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BrightLink® 675Wi+/685Wi+/695Wi+ User's Guide

Contents

BrightLink 675Wi+/685Wi+/695Wi+ User's Guide

Welcome to the BrightLink 675Wi+/685Wi+/695Wi+ *User's Guide*.

For a printable PDF copy of this guide, click here.

Introduction to Your Projector

Refer to these sections to learn more about your projector and this manual.

Projector Features

Notations Used in the Documentation

Where to Go for Additional Information

Projector Part Locations

Projector Features

The BrightLink 675Wi+/685Wi+/695Wi+ projectors include these special features:

Unique interactive functions

• Annotation with or without a computer

• Annotation with two pens at the same time

• Enhanced Easy Interactive toolbar for Windows and Mac

• BrightLink 695Wi+: Touch-based interactivity for as many as six users

Ultra short throw projection system

• Project a 99-inch (251-cm) image (WXGA) from just 11 inches (279 mm) away

• Easily mounted on a wall or table (with the optional table projection mount) for fast, low-cost installations

• Can be mounted vertically to create an interactive workspace directly on a table surface

• Reduced shadow interference and glare

Bright, high-resolution images

• BrightLink 675Wi+: Up to 3200 lumens of color brightness (color light output) and 3200 lumens of white brightness (white light output)

• BrightLink 685Wi+/695Wi+: Up to 3500 lumens of color brightness (color light output) and 3500 lumens of white brightness (white light output)

Note: Color brightness (color light output) and white brightness (white light output) will vary depending on usage conditions. Color light output measured in accordance with IDMS 15.4; white light output measured in accordance with ISO 21118.

- Native resolution of 1280 × 800 pixels (WXGA)

Flexible connectivity

- Three HDMI ports (one with MHL support) for computer or video device connection
- Plug-and-play 3-in-1 USB projection, audio, and mouse control for instant setup
- Wired network support for projection
- Projector monitoring and control via remote network computer
- Optional wireless network support, including video and audio transfer
- PC Free photo slide shows via connected USB memory devices or Epson document camera
- Dual VGA ports for connections by multiple presenters
- Port for connecting an external monitor
- Port for connecting a microphone
- Projection from iOS or Android devices with the wireless LAN module and free Epson iProjection app; visit webs.latin.epson.com/iProjection for more information

Innovative display and operation features

- Support for side-by-side projector mounting with continuous annotation
- Low total cost of ownership with long-life projector lamp and high-efficiency air filter
- High digital zoom ratio for larger images in shorter projection distances
- 14000:1 contrast ratio and Auto Iris control for sharp, detailed images
- Built-in closed captioning decoder
- Powerful 16 W speaker system with audio out port for connecting external speakers
- Epson's Instant Off and Direct Power On features for quick setup and shut down
- Support for Crestron RoomView network monitoring systems
- Network message broadcast system to project timely messages to all networked projectors

Product Box Contents
Additional Components
Additional Projector Software and Manuals
Optional Equipment and Replacement Parts
Warranty Information

Parent topic: Introduction to Your Projector

Related concepts

DCMS/Publications/Projectors/Source/Product_Info/Reference/PL670_BL695Wi/product_box_contents_bl685wi_695 wi.xml

Product Box Contents

Save all the packaging in case you need to ship the projector. Always use the original packaging (or equivalent) when shipping.

Make sure your projector boxes included all of these parts:

/DCMS/Publications/Projectors/Source/Images/Parts/PL670_BL695Wi/proj_box_contents_bl685wi_bl695wi_plus.jpg
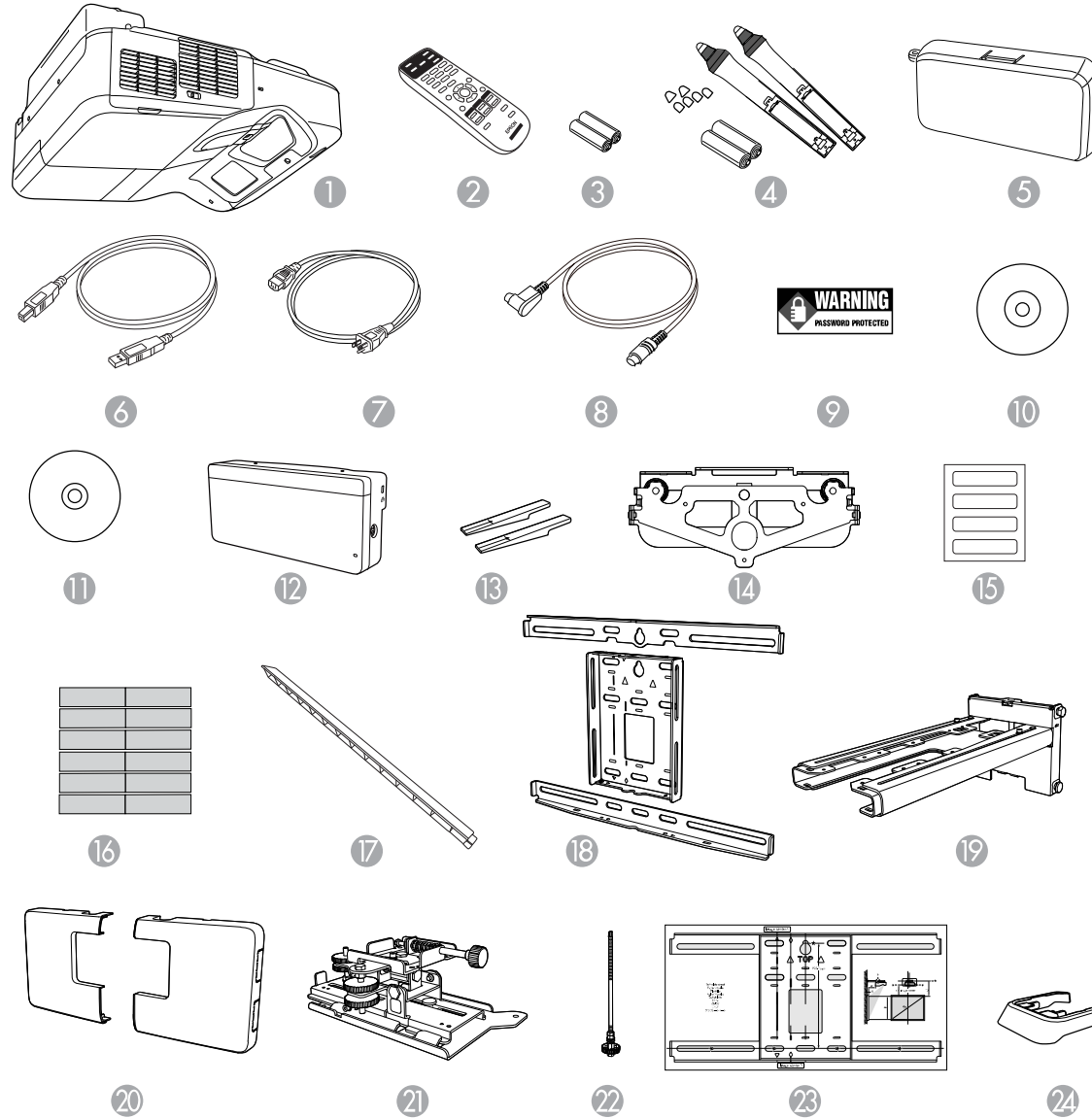
1	Projector
2	Remote control
3	Remote control batteries (two AA alkaline)
4	Pens, replacement pen tips (two hard tips and four soft tips), and batteries (one AA alkaline battery for each pen)
5	Pen tray
6	USB cable
7	Power cord
8	Touch Unit connection cable (BrightLink 695Wi+)
9	Password Protected sticker
10	Projector manuals and software download links CD
11	Projector software for Easy Interactive Function CD
12	Touch Unit (BrightLink 695Wi+)
13	Markers (x2) (BrightLink 695Wi+)
14	Touch Unit bracket
15	Labels (×4) (BrightLink 695Wi+)
16	Tape for securing markers (BrightLink 695Wi+)
17	Infrared deflectors (×8) (BrightLink 695Wi+)
18	Wall plate
19	Wall mount
20	Wall plate cover
21	3-axis adjustment unit and slide plate
22	Hexagonal shaft
23	Template sheet (for installing the wall plate)
24	End cap

Parent topic: Projector Features

Related concepts
Projector Part Locations

Additional Components

Depending on how you plan to use the projector, you may need to obtain additional components.

Note: To connect a Mac that does not include a compatible video output port, you need to obtain an adapter that allows you to connect to an input port on the projector. Contact Apple for compatible adapter options. To connect a smartphone or tablet, you may need to obtain an adapter that allows you to connect to the projector. This allows you to mirror your smartphone or tablet screens, watch movies, and more. Contact your device manufacturer for compatible adapter options.

Unless listed as available from Epson in this table, see your local computer or electronics dealer for purchase information.

Signal or connection type	Additional component necessary
Composite video	RCA-style video or A/V cable
Component video	D-sub, 15-pin, component-to-VGA video cable or adapter Available for purchase from an authorized Epson reseller.
HDMI	Compatible HDMI cable Available for purchase from an authorized Epson reseller. **Note:** Older Mac computers (2009 and earlier) may not support HDMI audio.
MHL	MHL-compatible device or device with an integrated MHL connector, MHL cable, or HDMI cable and MHL adapter compatible with your device Available for purchase from an authorized Epson reseller.
Audio from certain ports	Commercially available audio cable compatible with your device

Parent topic: Projector Features

Additional Projector Software and Manuals

After connecting and setting up the projector, install the projector software from the included software CD, or download the software and manuals as necessary.

You can install the projector software programs listed here and view their manuals for instructions on using them.

Projector software	Manual	Description
EasyMP Monitor (Windows only)	*EasyMP Monitor Operation Guide*	Lets you monitor and control your projector through the network. You can download the latest software and documentation from the Epson web site. Go to epson.com.jm/support and select your projector.
EasyMP Multi PC Projection	*EasyMP Multi PC Projection Operation Guide*	Lets you hold interactive meetings by projecting the computer screens of users over a network.
EasyMP Network Updater (Windows only)	*EasyMP Network Updater Operation Guide*	Lets you update firmware for a projector over a wired LAN. You can download the latest software and documentation from the Epson web site. Go to epson.com.jm/support and select your projector.
Epson iProjection app	Instructions are included with the app	Lets you project from an iOS device, Android device, or Chromebook if your projector is connected to a network that includes a wireless access point. Visit webs.latin.epson.com/iProjection for more information.
Easy Interactive Tools	*Easy Interactive Tools Operation Guide*	Lets you use your computer to interactively draw on projected images

Parent topic: Projector Features

DCMS/Publications/Projectors/Source/Product_Info/Reference/PL670_BL695Wi/options_and_parts_list_bl685_695wi.
xml

Optional Equipment and Replacement Parts

You can purchase screens, other optional accessories, and replacement parts from an Epson authorized reseller. To find the nearest reseller, go to epson.com.jm. Or you can contact your nearest sales office as described in "Where to Get Help".

Note: Availability of accessories varies by country.

Epson offers the following optional accessories and replacement parts for your projector:

Option or part	Part number
Genuine Epson replacement lamp (ELPLP91)	V13H010L91
Replacement air filter (ELPAF49)	V13H134A49
Wireless LAN module (ELPAP10)	V12H731P02
Additional interactive pen A (ELPPN05A) (orange)	V12H773010
Additional interactive pen B (ELPPN05B) (blue)	V12H774010
Replacement set of hard pen tips (ELPPS03)	V12H775010
Replacement set of soft pen tips (ELPPS04)	V12H776020
Ultra-short throw wall mount (ELPMB46)	V12H777020
Table projection mount (ELPMB29)	V12H516020

Parent topic: Projector Features

DCMS/Publications/Projectors/Source/Product_Info/Concepts/warranty_info_latin.xml
Warranty Information

Your projector comes with a basic warranty that lets you project with confidence. For details, see your product warranty.

Parent topic: Projector Features

DCMS/Publications/Projectors/Source/Product_Info/Concepts/warning_caution_note.xml
Notations Used in the Documentation

Follow the guidelines in these notations as you read your documentation:

- **Warnings** must be followed carefully to avoid bodily injury.
- **Cautions** must be observed to avoid damage to your equipment.
- **Notes** contain important information about your projector.
- **Tips** contain additional projection information.

Parent topic: Introduction to Your Projector

Where to Go for Additional Information

Need quick help on using your projector? Here's where to look for help:

- Built-in help system

  Press the **Home** button on the remote control or projector, select **Help**, and press **Enter** to get quick solutions to common problems.

- epson.com.jm/support

  View FAQs (frequently asked questions) and e-mail your questions to Epson technical support 24 hours a day.

- If you still need help after checking this manual and any other sources listed here, see "Where to Get Help".

Parent topic: Introduction to Your Projector

Related references

Where to Get Help

Projector Part Locations

Check the projector part illustrations to learn about the parts on your projector.

Projector Parts - Front/Top
Projector Parts - Side
Projector Parts - Interface Panel
Projector Parts - Base
Projector Parts - Control Panel
Projector Parts - Interactive Pens and Pen Tray
Projector Parts - Remote Control
Projector Parts - Touch Unit

Parent topic: Introduction to Your Projector

Projector Parts - Front/Top
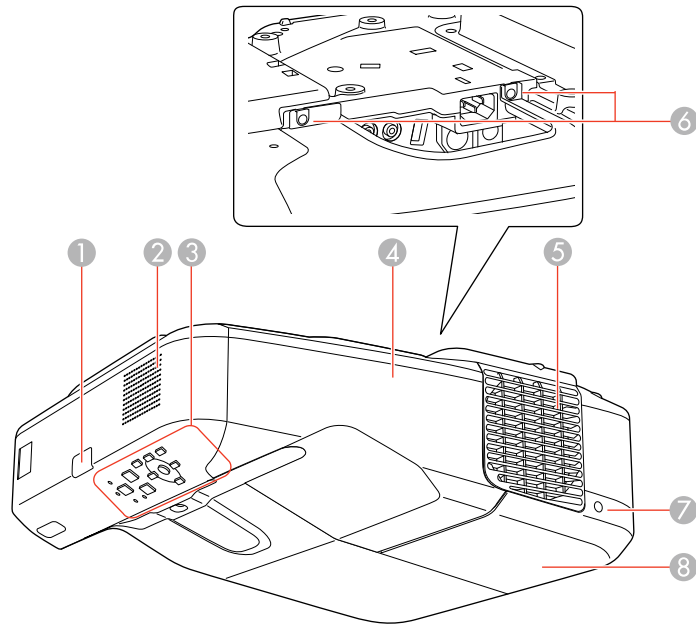
1	Remote control receiver
2	Speaker
3	Control panel
4	Cable cover
5	Exhaust vent
6	Lamp screws
7	Lamp cover screw
8	Lamp cover

Parent topic: Projector Part Locations

Projector Parts - Side

/DCMS/Publications/Projectors/Source/Images/Parts/PL670_BL695Wi/proj_top_side_bl695w.jpg
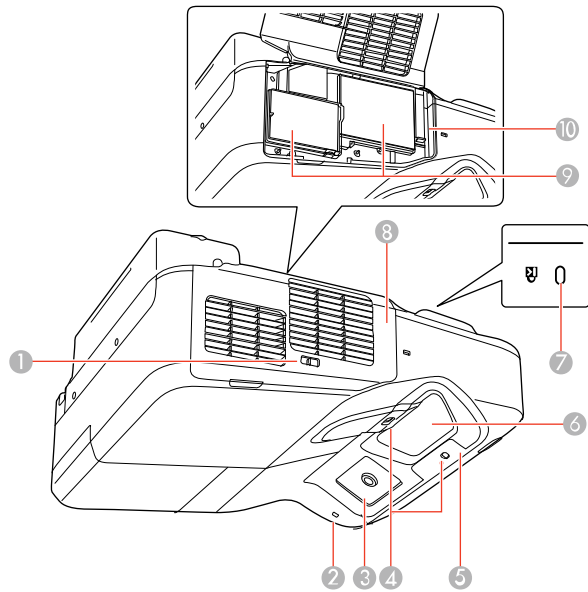
1	Air filter cover switch
2	Wireless LAN light
3	Interactive pen receiver
4	Obstacle sensors
5	Remote receiver
6	Projection window
7	Security lock port
8	Air filter cover
9	Air intake vents (air filter)
10	Focus lever

DCMS/Publications/Projectors/Source/Product_Info/Reference/PL670_BL695Wi/projector_parts_interface_pl670_bl69
5wi.xml

Projector Parts - Interface Panel

/DCMS/Publications/Projectors/Source/Images/Parts/PL670_BL695Wi/proj_interface_bl695wi.jpg
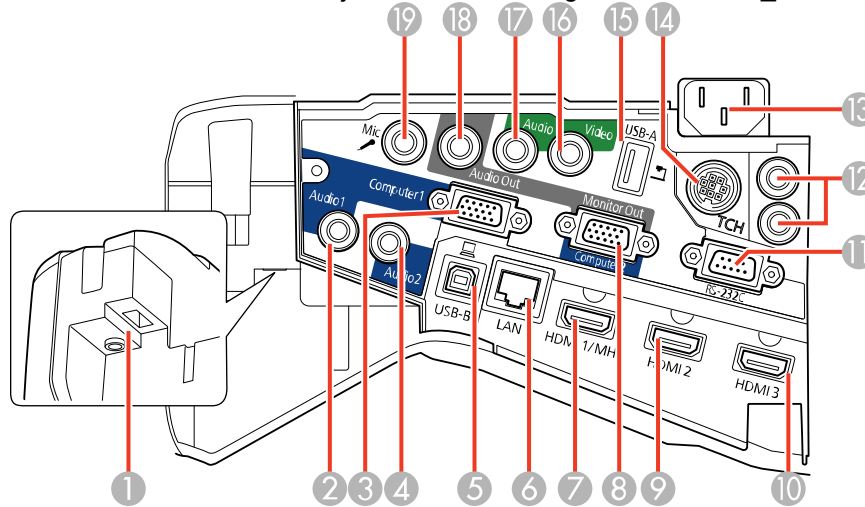
1	Optional wireless LAN module slot
2	**Audio1** port
3	**Computer1** port
4	**Audio2** port
5	**USB-B** port
6	Network (**LAN**) port
7	**HDMI 1/MHL** port
8	**Monitor Out**/**Computer2** port
9	**HDMI 2** port
10	**HDMI 3** port
11	**RS-232C** port

12	**SYNC In/Out** ports
13	Power inlet
14	Touch unit (**TCH**) port (BrightLink 695Wi+)
15	**USB-A** port
16	**Video** port
17	**Audio** port
18	**Audio Out** port
19	**Mic** (microphone) port

Parent topic: Projector Part Locations

Related references
Projector Light Status

Projector Parts - Base
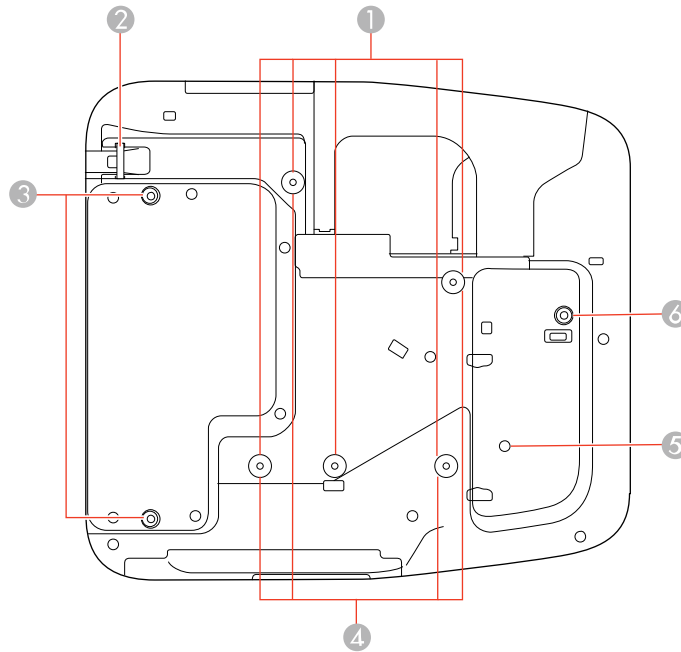
1	Ceiling mount holes (5)
2	Security cable attachment point
3	Rear foot holes
4	Wall mount plate holes (4)
5	Illumination sensor
6	Front foot hole

Parent topic: Projector Part Locations

Projector Parts - Control Panel

/DCMS/Publications/Projectors/Source/Images/Parts/PL670_BL695Wi/control_panel_pl685w_bl695wi.jpg
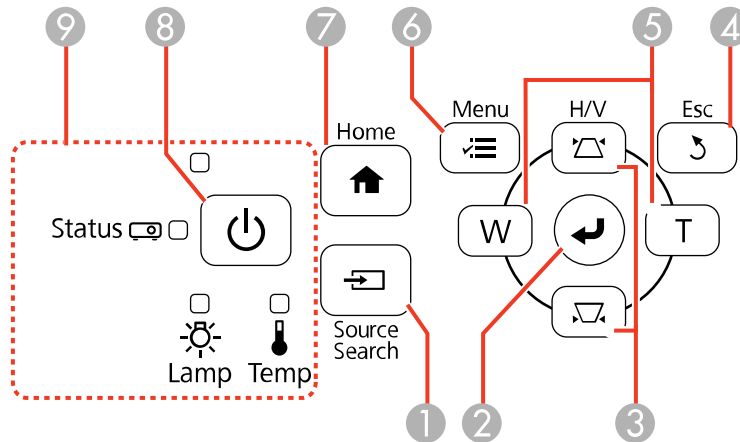
1	**Source Search** button (searches for connected video sources)
2	**Enter** button (selects options)
3	Horizontal/Vertical keystone adjustment buttons (display the adjustment screen and adjust screen shape) and arrow buttons
4	**Esc** button (cancels/exits functions)
5	**W/T** buttons (Wide/Tele; adjust projected image size) and arrow buttons
6	**Menu** button (accesses projector menu system)
7	**Home** button (displays home screen)
8	Power button
9	Projector status lights (power, Status, Lamp, and Temp)

Parent topic: Projector Part Locations

Projector Parts - Interactive Pens and Pen Tray

/DCMS/Publications/Projectors/Source/Images/Interactive/BL695Wi_696Ui/pen_parts_bl695wi.jpg
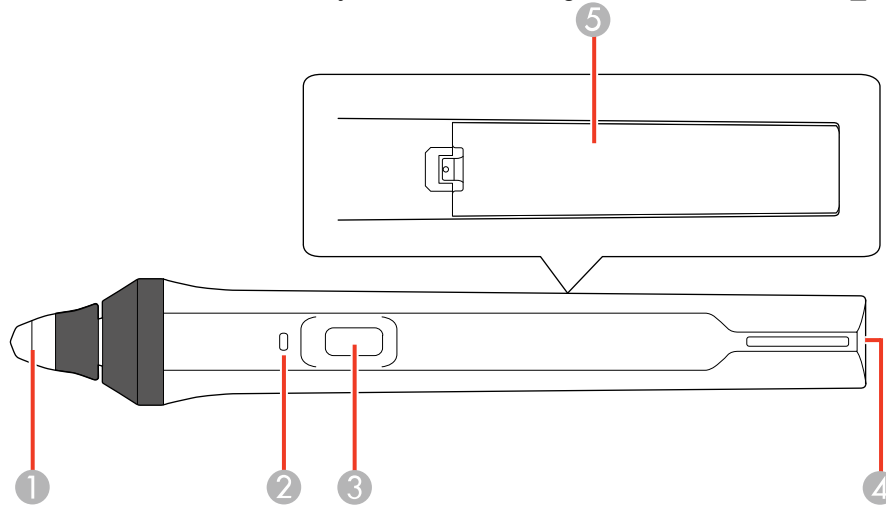
1	Pen tip
2	Battery light
3	Function button
4	Attachment for optional strap or cord

5   Battery cover

/DCMS/Publications/Projectors/Source/Images/Parts/BL575Wi_585Wi_595Wi/parts_interactive_pen_tray_bl575wi_bl595wi.jpg
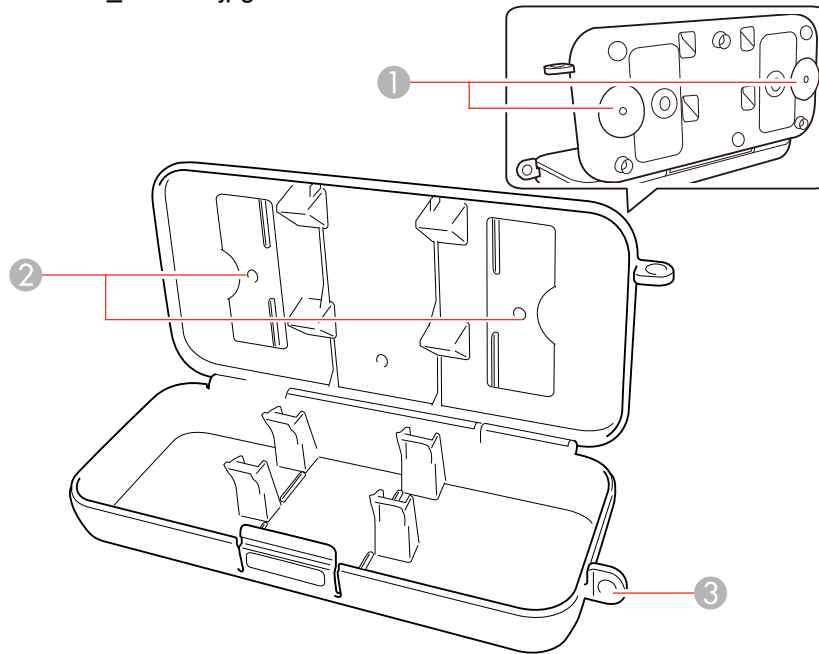
1   Installation magnets

2   Mounting holes

3   Security lock hole

Parent topic: Projector Part Locations

Projector Parts - Remote Control

/DCMS/Publications/Projectors/Source/Images/Parts/PL670_BL695Wi/projector_parts_remote_bl695wi.jpg
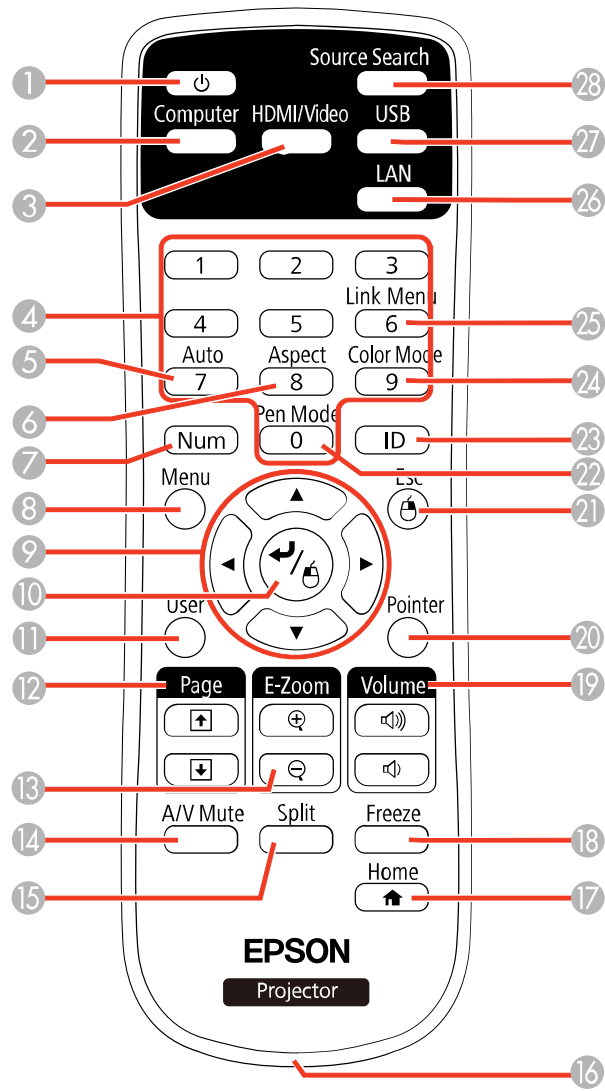
1   Power button

2   **Computer** button (cycles through connected computer sources)

3   **HDMI/Video** button (cycles through connected HDMI/video sources)

4   Numeric buttons (enter numbers)

5   **Auto** button (automatically adjusts position, tracking, and sync settings)

6   **Aspect** button (selects the image aspect ratio)

7   **Num** button (when held down, switches numeric buttons to number function)

8   **Menu** button (accesses projector menu system)

9   Arrow buttons (move through on-screen options and control wireless mouse functions)

10   Enter button (selects options and controls wireless mouse functions)

11   **User** button (customizable for different functions)

12   **Page** up/down buttons (control presentation slides)

13   **E-Zoom +/–** buttons (zoom into and out of the image)

14   **A/V Mute** button (turns off picture and sound)

15   **Split** button (splits the screen between two image sources)

16   Strap attachment point

17   **Home** button (accesses source selection, projector help information, and other features)

18   **Freeze** button (stops video action)

19   **Volume** up/down buttons (adjust speaker volume)

20   **Pointer** button (activates on-screen pointer)

21   **Esc** button (cancels/exits functions and controls wireless mouse functions)

22   **Pen Mode** button (switches between annotation and computer interactive modes)

23   **ID** button (selects which projector you want to control)

24   **Color Mode** button (selects display modes)

25   **Link Menu** button (displays the main menu of the connected HDMI device)

26   **LAN** button

27   **USB** button (cycles through connected USB sources)

28   **Source Search** button (searches for connected sources)

Parent topic: Projector Part Locations

Projector Parts - Touch Unit

The Touch Unit comes with the BrightLink 695Wi+ projector only.

Front (Cover On)

/DCMS/Publications/Projectors/Source/Images/Parts/BL696Ui/parts_touch_unit_bl695wi.jpg
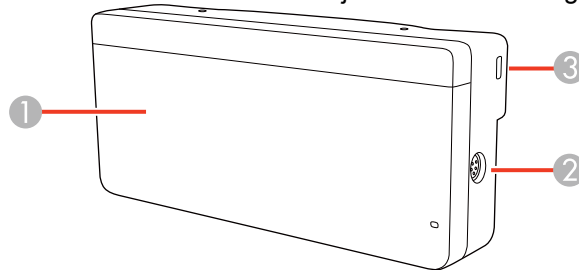
Front (Cover Off)

/DCMS/Publications/Projectors/Source/Images/Parts/BL696Ui/parts_touch_unit_remove_cover_bl695wi.jpg
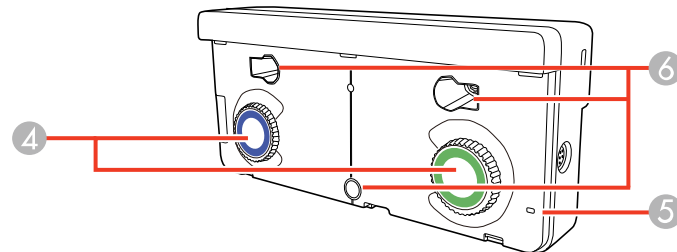
1   Dial cover
2   Touch unit (TCH) port
3   Security cable installation slot

4	Adjustment dials
5	Power light
6	Mounting holes

Rear

/DCMS/Publications/Projectors/Source/Images/Parts/BL696Ui/parts_touch_unit_back_bl695wi.jpg
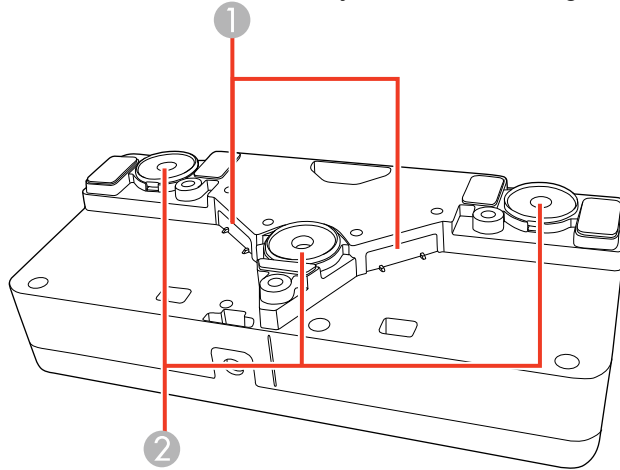
| 1 | Laser diffusion ports |
| 2 | Installation magnets |

Parent topic: Projector Part Locations

Setting Up the Projector

Follow the instructions in these sections to set up your projector for use.

Projector Placement

Removing and Attaching the Cable Cover

Projector Connections

Installing Batteries in the Remote Control

Installing Batteries in the Pens

Projector Placement

Your ultra-short throw projector is designed to be installed on a wall (with a wall mount) or vertically on a table (with a table mount) to create an interactive tabletop workspace.

You can also place the projector on a flat surface such as a desk or table to project in a portable setup.

Note: Finger touch (BrightLink 695Wi+) is available only if the projector is installed on a wall (with a wall mount) or vertically on a table (with a table mount).

Keep these considerations in mind as you select a projector location:

- Follow the instructions in the *Installation Guide* provided with your mounting hardware to install the projector using the included mounting equipment.

- Leave plenty of space around and under the projector for ventilation, and do not place it on top of or next to anything that could block the vents.

- Position the projector within reach of a grounded electrical outlet or extension cord.

- If installing vertically on a table, the table projection mount (V12H516020) is required.

- If installing on a wall, the wall mount (V12H777020) is required.

- If the projector is not mounted, place it on a sturdy, level surface.

- For finger touch (BrightLink 695Wi+), make sure the projection surface is flat, smooth, and unwarped with no more than 0.2 inch (5 mm) of unevenness in any direction.

Projector Setup and Installation Options

Projection Distance

DCMS/Publications/Projectors/Source/Setup/Reference/projector_setup_install_wall_ust.xml

Projector Setup and Installation Options

You can set up or install your projector in the following ways:

Mounted on the wall or ceiling

/DCMS/Publications/Projectors/Source/Images/Setup/PL470_BL485wi/place_proj_wall_pl470_bl485wi.jpg
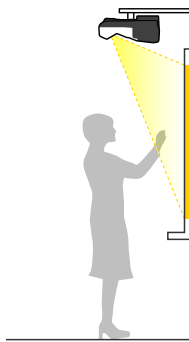
Mounted vertically on a table to create an interactive workspace

/DCMS/Publications/Projectors/Source/Images/Setup/PL470_BL485wi/place_proj_table_bl475wi_485wi.jpg
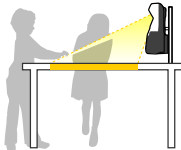
Front projection from a table or portable cart (BrightLink 675Wi+/685Wi+)

/DCMS/Publications/Projectors/Source/Images/Setup/PL470_BL485wi/place_proj_front_pl470_bl485wi.jpg
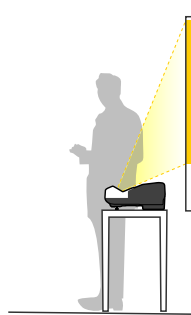
Wherever you set up the projector, make sure to position it squarely in front of the screen, not at an angle.

If you project from a table or portable cart, be sure to select the correct **Projection** option in the projector's menu system.

Parent topic: Projector Placement

Related references

Projector Setup Settings - Extended Menu

DCMS/Publications/Projectors/Source/Setup/Reference/projection_distance_pl670_685w.xml

Projection Distance

The distance at which you place the projector from the screen determines the approximate size of the image. The image size increases the farther the projector is from the screen, but can vary depending on the zoom factor, aspect ratio, and other settings.

Refer to the tables in the *Installation Guide* included with your mount to determine approximately how far to place the projector from the screen based on the size of the projected image. (Conversion figures may have been rounded up or down.) You can also use the Projection Distance Calculator here .

Parent topic: Projector Placement

DCMS/Publications/Projectors/Source/Setup/Tasks/removing_attaching_cable_cover.xml

Removing and Attaching the Cable Cover

Before you can connect equipment to your projector, you need to remove the cable cover.

1. Use a screwdriver to remove both of the cable cover screws.
2. Slide off the cable cover.

/DCMS/Publications/Projectors/Source/Images/Connections/PL670_BL695Wi/cable_cover_remove_screw_bl695wi.jpg
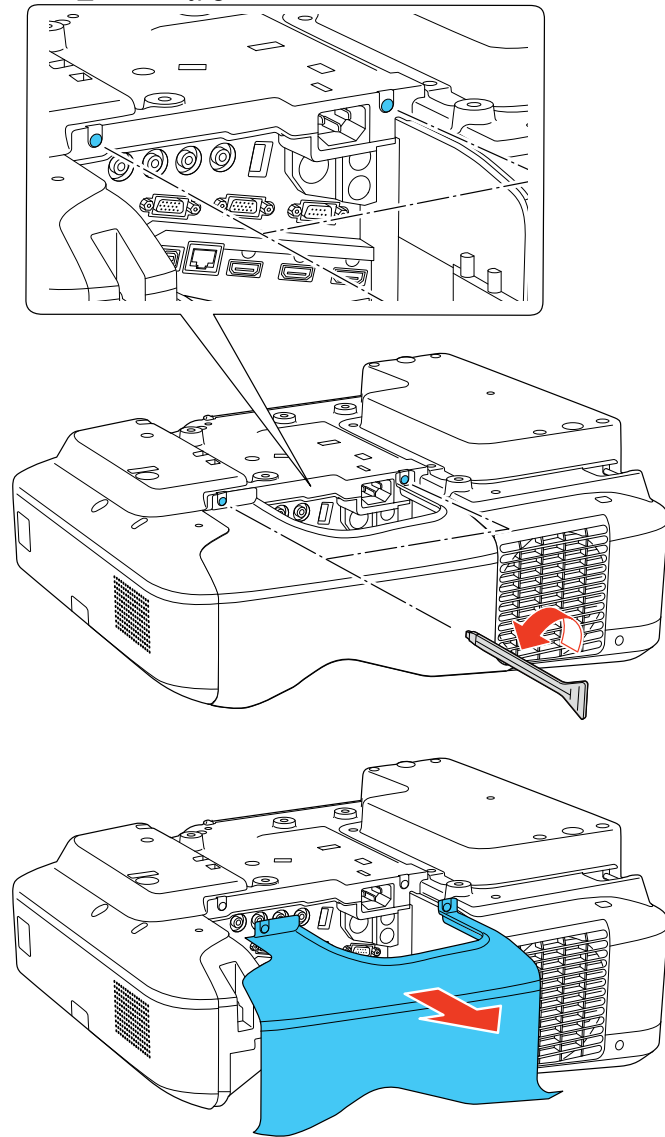
To attach the cable cover, slide it into position and tighten the screws with a screwdriver.

Parent topic: Setting Up the Projector

Projector Connections

See these sections to connect the projector to a variety of projection sources.

Caution: If you will use the projector at altitudes above 4921 feet (1500 m), turn on **High Altitude Mode** to ensure the projector's internal temperature is regulated properly.

Connecting to Computer Sources
Connecting to Video Sources
Connecting to an External Computer Monitor
Connecting to External Speakers
Connecting a Microphone
Connecting to External USB Devices
Connecting to a Document Camera
Connecting Multiple Projectors of the Same Model

Parent topic: Setting Up the Projector

Related references

Projector Setup Settings - Extended Menu
Product Box Contents

Connecting to Computer Sources

Follow the instructions in these sections to connect a computer to the projector.

Connecting to a Computer for USB Video and Audio
Connecting to a Computer for VGA Video
Connecting to a Computer for HDMI Video and Audio
Connecting to a Computer for USB Mouse Control
Connecting to a Computer for Sound

Parent topic: Projector Connections

Connecting to a Computer for USB Video and Audio

If your computer meets the system requirements, you can send video and audio output to the projector through the computer's USB port (preferably USB 2.0). Connect the projector to your computer using a USB cable.

Note: This also lets you use the interactive pens with your computer. You need to change the **USB Type B** setting in the projector's Extended menu before you can project through the USB port. Note that using USB Display will slow interactive pen function. For the best performance, VGA or HDMI connections are recommended.

Note: A USB connection may cause a delay for content requiring high bandwidth, such as movies. An HDMI connection is recommended for projecting movies, video games, and other home entertainment content.

1. Turn on your computer.

2. Connect the cable to your projector's **USB-B** port.

    /DCMS/Publications/Projectors/Source/Images/Connections/PL670_BL695Wi/connect_computer_usb_bl695wi.jpg
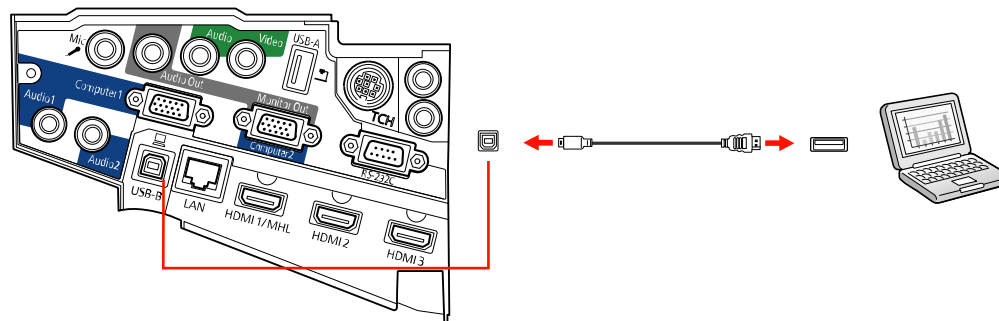
3. Connect the other end to any available USB port on your computer.

4. To use USB Display, do one of the following:

    • **Windows 10/Windows 8.x**: Click **EPSON_PJ_UD** in the upper right-corner, then select **Run EMP_UDSE.exe** in the dialog box that appears to install the Epson USB Display software.

- **Windows 7/Windows Vista**: Select **Run EMP_UDSE.exe** in the dialog box that appears to install the Epson USB Display software.

- **Mac**: The USB Display setup folder appears on your screen. Select **USB Display Installer** and follow the on-screen instructions to install the Epson USB Display software.

Follow any on-screen instructions. You need to install this software only the first time you connect the projector to the computer.

The projector displays the image from your computer's desktop and outputs sound, if your presentation contains audio.

Parent topic: Connecting to Computer Sources

DCMS/Publications/Projectors/Source/Setup/Tasks/connecting_computer_vga.xml
Connecting to a Computer for VGA Video

You can connect the projector to your computer using a VGA computer cable.

Note: To connect a Mac that includes only a Mini DisplayPort, Thunderbolt port, or Mini-DVI port for video output, you need to obtain an adapter that allows you to connect to the projector's VGA video port. Contact Apple for compatible adapter options.

1. If necessary, disconnect your computer's monitor cable.

2. Connect the VGA computer cable to your computer's monitor port.

3. Connect the other end to a **Computer** port on the projector.

   Note: If you choose the **Computer2** port, you may need to change the **Monitor Out Port** setting in the projector's Extended menu.

   /DCMS/Publications/Projectors/Source/Images/Connections/PL670_BL695Wi/connect_computer_vga_bl695wi.jpg
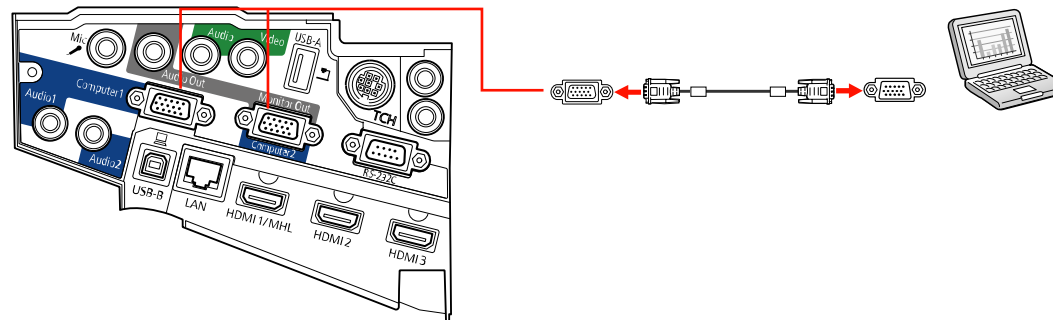
4. Tighten the screws on the VGA connector.

Parent topic: Connecting to Computer Sources

DCMS/Publications/Projectors/Source/Setup/Tasks/connecting_computer_hdmi.xml
Connecting to a Computer for HDMI Video and Audio

If your computer has an HDMI port, you can connect it to the projector using an optional HDMI cable.

Note: To connect a Mac that includes only a Mini DisplayPort, Thunderbolt port, or Mini-DVI port for video output, you need to obtain an adapter that allows you to connect to the projector's **HDMI** port. Contact Apple for compatible adapter options. Older Mac computers (2009 and earlier) may not support audio through the **HDMI** port.

1. Connect the HDMI cable to your computer's HDMI output port.

2. Connect the other end to one of the projector's HDMI ports.

/DCMS/Publications/Projectors/Source/Images/Connections/PL670_BL695Wi/connect_computer_hdmi_bl695wi.jpg
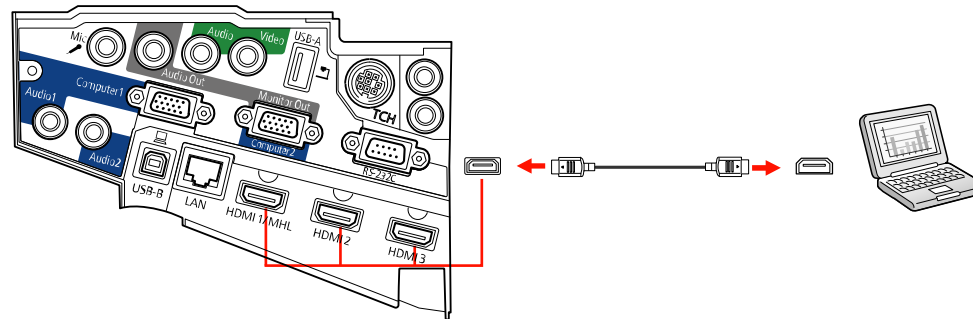
Note: The projector converts the digital audio signal sent from your computer into a mono analog signal for the internal speaker or a stereo analog signal if you are connecting to external speakers.

Parent topic:

DCMS/Publications/Projectors/Source/Setup/Tasks/connecting_computer_usb_mouse_all_ports.xml
Connecting to a Computer for USB Mouse Control

If you connected your computer to a **Computer**, **USB-B**, or **HDMI** port on the projector, you can set up the remote control to act as a wireless mouse. This lets you control projection at a distance from your computer. To do this, connect the projector to your computer using a USB cable, if it is not connected already.

1. Set the **USB Type B** setting to **Wireless Mouse/USB Display** in the Extended menu.

2. Connect the USB cable to your projector's **USB-B** port.

/DCMS/Publications/Projectors/Source/Images/Connections/PL670_BL695Wi/connect_computer_usb_bl695wi.jpg
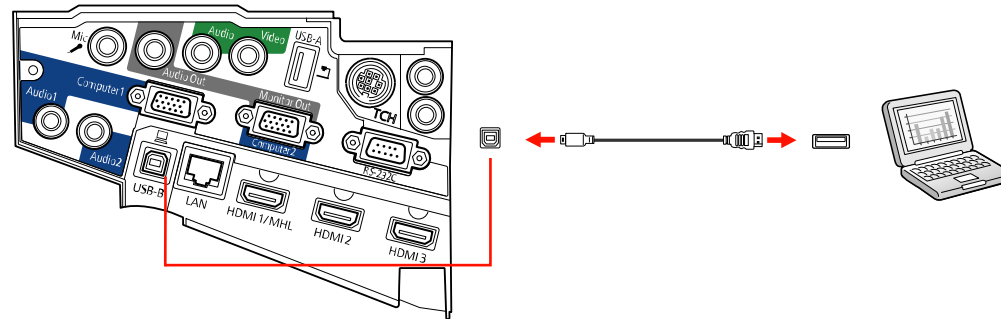
3. Connect the other end to any available USB port on your computer.

4. If necessary, configure your computer to work with an external USB mouse. See your computer documentation for details.

Parent topic: Connecting to Computer Sources

Related references

Projector Setup Settings - Extended Menu

Projector Parts - Remote Control

Related tasks

Using the Remote Control as a Wireless Mouse

DCMS/Publications/Projectors/Source/Setup/Tasks/connecting_computer_sound.xml

Connecting to a Computer for Sound

If your computer presentation includes sound and you did not connect it to the projector's **USB-B** or **HDMI** port, you can still play sound through the projector's speaker system. Just connect an optional 3.5 mm stereo mini-jack audio cable as described here.

1. Connect the audio cable to your laptop's headphone or audio-out jack, or your desktop's speaker or audio-out port.

2. Connect the other end to the **Audio** port that corresponds to the **Computer** port you are using.

/DCMS/Publications/Projectors/Source/Images/Connections/PL670_BL695Wi/connect_computer_audio_bl695wi.jpg
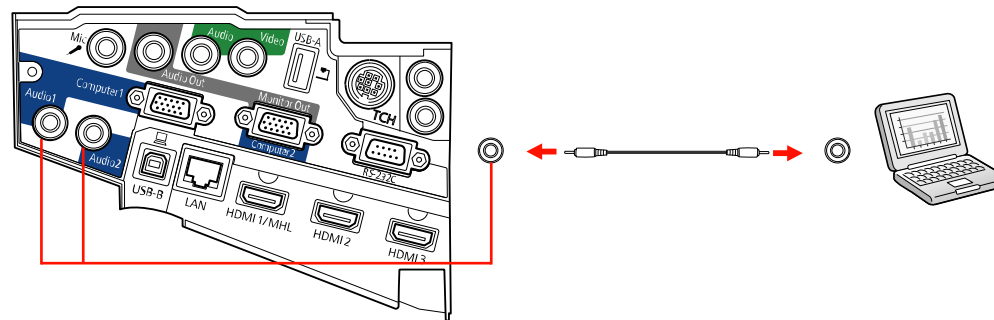
Parent topic: Connecting to Computer Sources

DCMS/Publications/Projectors/Source/Setup/Container_Topics/connect_video_container.xml

Connecting to Video Sources

Follow the instructions in these sections to connect video devices to the projector.

Connecting to an HDMI Video Source

Connecting to an MHL-Compatible Device

Connecting to a Component Video Source

Connecting to a Composite Video Source

Connecting to a Video Source for Sound

Parent topic: Projector Connections

DCMS/Publications/Projectors/Source/Setup/Tasks/connecting_video_hdmi.xml

Connecting to an HDMI Video Source

If your video source has an HDMI port, you can connect it to the projector using an optional HDMI cable. The HDMI connection provides the best image quality.

1. Connect the HDMI cable to your video source's HDMI output port.

2. Connect the other end to one of the projector's HDMI ports.

/DCMS/Publications/Projectors/Source/Images/Connections/PL670_BL695Wi/connect_video_hdmi_bl695
wi.jpg
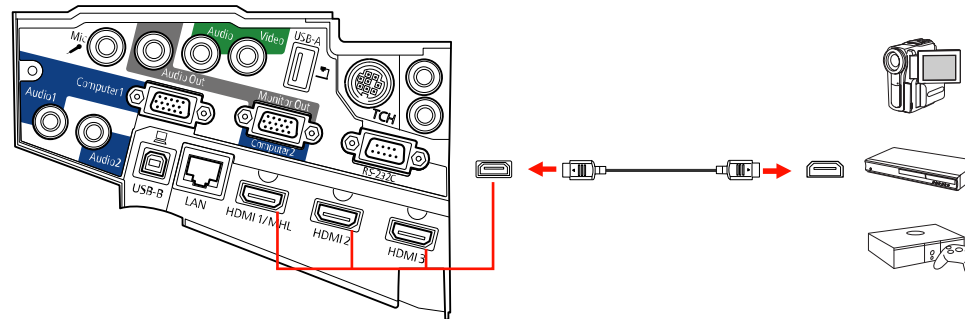
Note: The projector converts the digital audio signal sent from your video source into a mono analog signal for the internal speaker or a stereo analog signal if you are connecting to external speakers.

Parent topic: Connecting to Video Sources

DCMS/Publications/Projectors/Source/Setup/Tasks/connecting_video_mhl.xml
Connecting to an MHL-Compatible Device

If you have an MHL-compatible smartphone or tablet, you can connect it to the projector using either an MHL cable or an HDMI cable with a device-compatible MHL adapter. If you have a device with a built-in MHL connector, plug it directly into the **HDMI 1/MHL** port.

Note: Some connected devices may not charge when using an MHL adapter.

1. Connect the MHL cable or adapter to your device's Micro-USB port.

2. If you are using an MHL adapter, connect it to an MHL-compatible HDMI cable.

3. Connect the other end of the cable to the projector's **HDMI 1/MHL** port.

/DCMS/Publications/Projectors/Source/Images/Connections/PL670_BL695Wi/connect_video_mhl_bl695
wi.jpg
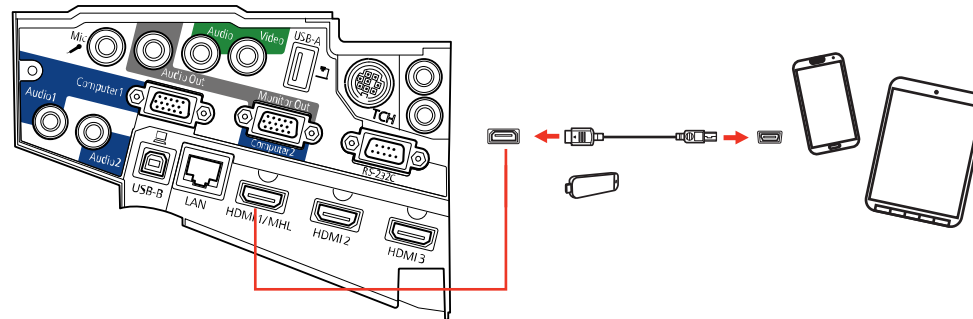
Note: The projector converts the digital audio signal sent from your video source into a mono analog signal for the internal speaker or a stereo analog signal if you are connecting to external speakers.

Parent topic: Connecting to Video Sources

DCMS/Publications/Projectors/Source/Setup/Tasks/connecting_video_component_vga.xml
Connecting to a Component Video Source

If your video source has component video ports, you can connect it to the projector using an optional component-to-VGA video cable. Depending on your component ports, you may need to use an adapter cable along with a component video cable.

1. Connect the component connectors to your video source's color-coded component video output ports, usually labeled **Y**, **Pb**, **Pr** or **Y**, **Cb**, **Cr**. If you are using an adapter, connect these connectors to your component video cable.

2. Connect the VGA connector to a **Computer** port on the projector.

/DCMS/Publications/Projectors/Source/Images/Connections/PL670_BL695Wi/connect_video_component
_bl695wi.jpg
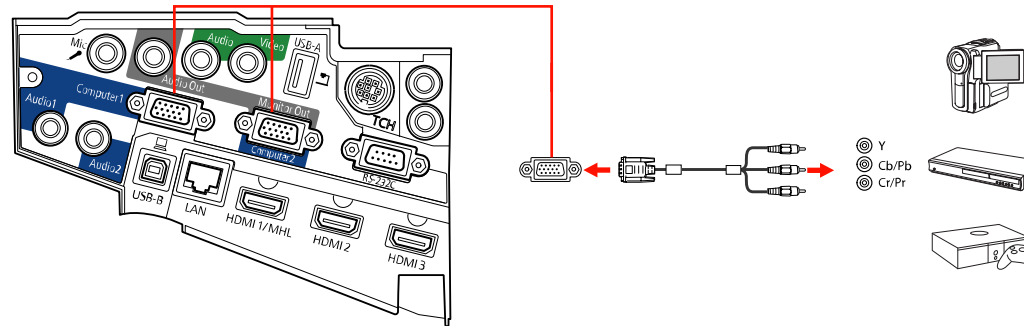
Note: If you choose the **Computer2** port, you may need to change the **Monitor Out Port** setting in the projector's Extended menu.

3. Tighten the screws on the VGA connector.

If your image colors appear incorrect, you may need to change the **Input Signal** setting in the projector's Signal menu.

Parent topic: Connecting to Video Sources

Related references

Input Signal Settings - Signal Menu

DCMS/Publications/Projectors/Source/Setup/Tasks/connecting_video_composite.xml
Connecting to a Composite Video Source

If your video source has a composite video port, you can connect it to the projector using an optional RCA-style video or A/V cable.

1. Connect the cable with the yellow connector to your video source's yellow video output port.

2. Connect the other end to the projector's **Video** port.

/DCMS/Publications/Projectors/Source/Images/Connections/PL670_BL695Wi/connect_video_composite_
bl685w.jpg
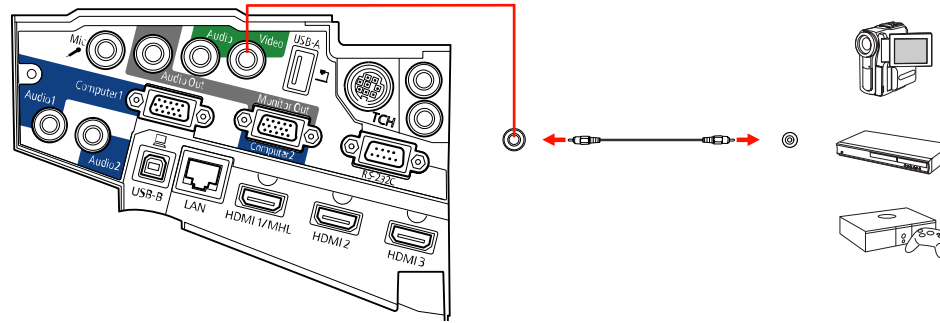
Parent topic: Connecting to Video Sources

Connecting to a Video Source for Sound

You can play sound through the projector's speaker system if your video source has audio output ports. If you are projecting video using the **Video** or a **Computer** port, connect the projector to the video source using an optional stereo mini-jack audio cable.

Note: If you connected your video source to the projector using an HDMI cable, the audio signal is transferred with the video signal; you do not need an additional cable for sound.

1. Connect the audio cable to your video source's audio-out ports.

2. Connect the other end of the cable to the projector's **Audio** port that corresponds to the port you are using for video.

/DCMS/Publications/Projectors/Source/Images/Connections/PL670_BL695Wi/connect_video_audio_bl695wi.jpg
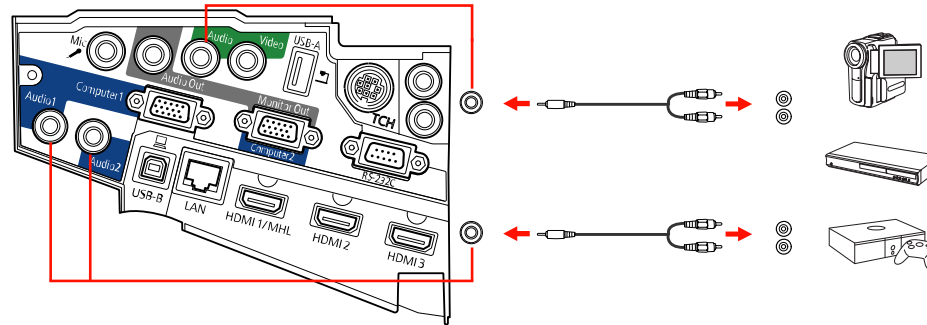
Parent topic: Connecting to Video Sources

Connecting to an External Computer Monitor

If you connected a computer to the projector's **Computer** port, you can also connect an external monitor to the projector. This lets you see your presentation on the external monitor even when the projected image is not visible.

If you want to output images to an external monitor when the projector is turned off, you need to select **Communication On** as the **Standby Mode** setting and **Always On** as the **A/V Output** setting in the projector's menu system.

Note: Monitors that use a refresh rate less than 60 Hz may not be able to display images correctly.

1. Make sure your computer is connected to the projector's **Computer** port. If there are two computer ports, make sure you use the **Computer1** port.

2. Connect the external monitor's cable to your projector's **Monitor Out/Computer 2** port.

/DCMS/Publications/Projectors/Source/Images/Connections/PL670_BL695Wi/connect_external_monitor_bl695wi.jpg
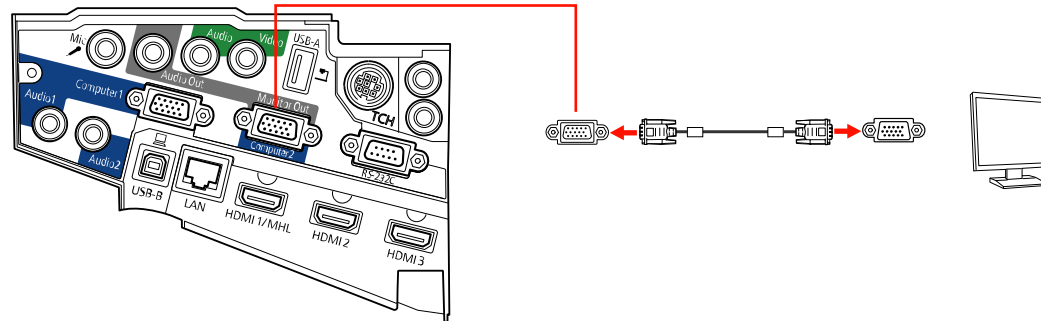
Note: You may need to change the **Monitor Out Port** setting in the projector's Extended menu and restart the computer.

Note: Content you draw using the interactive features is not displayed on an external monitor unless you draw it using Easy Interactive Tools.

Parent topic: Projector Connections

DCMS/Publications/Projectors/Source/Setup/Tasks/connecting_ext_speakers.xml
Connecting to External Speakers

To enhance the sound from your presentation, you can connect the projector to external self-powered speakers. You can control the volume using the projector's remote control.

You can also connect the projector to an amplifier with speakers.

If you want to output audio from the external speakers when the projector is turned off, you need to select **Communication On** as the **Standby Mode** setting and **Always On** as the **A/V Output** setting in the projector's menu system.

Note: The projector's built-in speaker system is disabled when you connect external speakers.

1. Make sure your computer or video source is connected to the projector with both audio and video cables as necessary.

2. Locate the appropriate cable to connect your external speakers, such as a stereo mini-jack-to-pin-jack cable, or another type of cable or adapter.

3. Connect one end of the cable to your external speakers as necessary.

4. Connect the stereo mini-jack end of the cable to your projector's **Audio Out** port.

/DCMS/Publications/Projectors/Source/Images/Connections/PL670_BL695Wi/connect_external_speakers_bl695wi.jpg
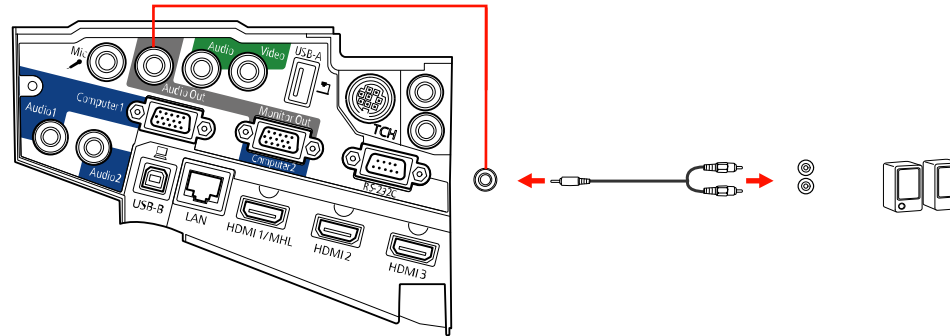
Parent topic: Projector Connections

Related references

Projector Setup Settings - Extended Menu

DCMS/Publications/Projectors/Source/Setup/Tasks/connecting_microphone.xml

Connecting a Microphone

You can connect a microphone to the projector's **Mic** port to provide audio support during presentations.

Note: If you want to output audio from the microphone when the projector is turned off, you need to select **Communication On** as the **Standby Mode** setting and **Always On** as the **A/V Output** setting in the projector's menu system.

1. Connect the microphone cable to the projector's **Mic** port.

/DCMS/Publications/Projectors/Source/Images/Connections/PL670_BL695Wi/connect_microphone_bl69
5wi.jpg
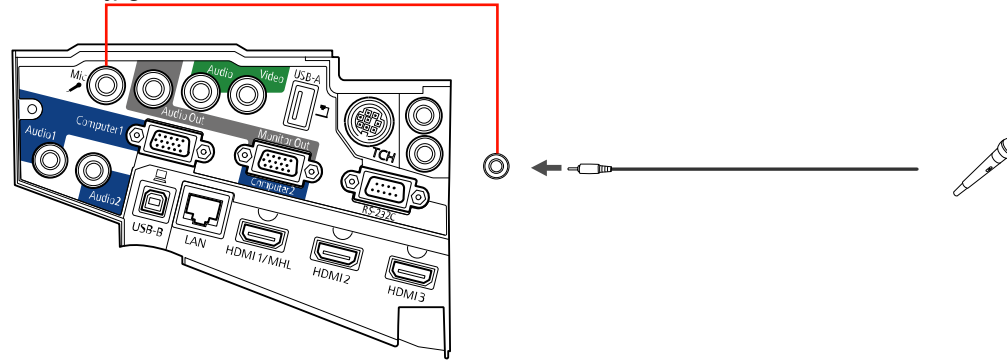
2. Turn on the microphone, if necessary.

3. If you hear a crackling noise or the volume is too high or low, adjust the **Mic Input Level** setting in the Settings menu.

Parent topic: Projector Connections

Related references

Projector Setup Settings - Extended Menu

DCMS/Publications/Projectors/Source/Setup/Container_Topics/connect_external_usb_container.xml

Connecting to External USB Devices

Follow the instructions in these sections to connect external USB devices to the projector.

USB Device Projection

Connecting a USB Device or Camera to the Projector

Selecting the Connected USB Source

Disconnecting a USB Device or Camera From the Projector

Parent topic: Projector Connections

DCMS/Publications/Projectors/Source/PCFree/Concepts/usb_projection_device.xml
USB Device Projection

You can project images and other content without using a computer or video device by connecting any of these devices to your projector:

• USB flash drive

• Digital camera or smartphone

• USB hard drive

• Multimedia storage viewer

Note: Digital cameras or smartphones must be USB-mounted devices, not TWAIN-compliant devices, and must be USB Mass Storage Class-compliant.

Note: USB hard drives must meet these requirements:

• USB Mass Storage Class-compliant (not all USB Mass Storage Class devices are supported)

• Formatted in FAT or FAT32

• Self-powered by their own AC power supplies (bus-powered hard drives are not recommended)

• Does not have multiple partitions

You can project slide shows from image files on a connected USB device.

Parent topic: Connecting to External USB Devices

Related topics

Projecting a PC Free Presentation

DCMS/Publications/Projectors/Source/PCFree/Tasks/pcfree_usb_connecting.xml
Connecting a USB Device or Camera to the Projector

You can connect your USB device or camera to the projector's **USB-A** port and use it to project images and other content.

1. If your USB device came with a power adapter, plug the device into an electrical outlet.

2. Connect the USB cable (or USB flash drive or USB memory card reader) to the projector's **USB-A** port.

/DCMS/Publications/Projectors/Source/Images/Connections/PL670_BL695Wi/connect_usb_external_bl695wi.jpg
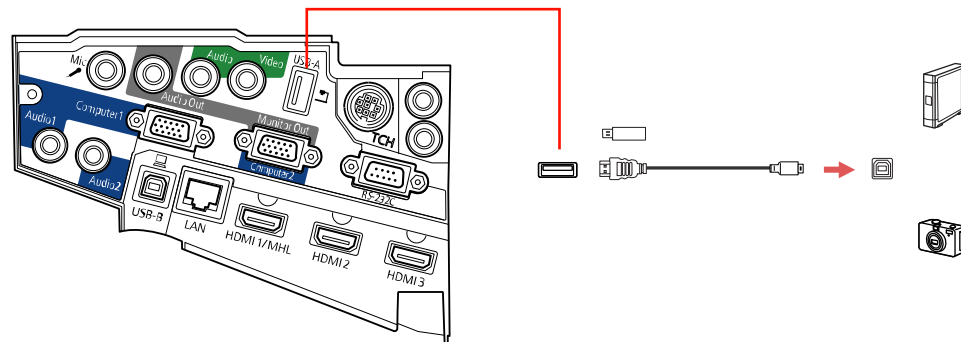
Note: Do not connect a USB hub or a USB cable longer than 10 feet (3 m), or the device may not operate correctly.

3. Connect the other end of the cable (if applicable) to your device.

Parent topic: Connecting to External USB Devices

Related topics

Projecting a PC Free Presentation

DCMS/Publications/Projectors/Source/PCFree/Tasks/selecting_usb_source.xml

Selecting the Connected USB Source

You can switch the projector's display to the source you connected to the **USB-A** port.

1. Make sure the connected USB source is turned on, if necessary.

2. Press the **USB** button on the remote control.

3. Press the button again to cycle through other USB sources, if available.

Parent topic: Connecting to External USB Devices

DCMS/Publications/Projectors/Source/PCFree/Tasks/pcfree_usb_disconnecting.xml

Disconnecting a USB Device or Camera From the Projector

When you finish presenting with a connected USB device or camera, you must prepare to disconnect the device from the projector.

1. If the device has a power button, turn off and unplug the device.

2. Disconnect the USB device or camera from the projector.

Parent topic: Connecting to External USB Devices

DCMS/Publications/Projectors/Source/Setup/Tasks/connecting_document_camera_all.xml

Connecting to a Document Camera

You can connect a document camera to your projector to project images viewed by the camera.

Depending on your Epson document camera model, do one of the following to connect the document camera to your projector:

- For the Epson DC-21 document camera, connect it to the projector's **HDMI**, **Computer**, or **Video** port and to the corresponding port on the document camera. See the document camera manual for details.

/DCMS/Publications/Projectors/Source/Images/Connections/PL670_BL695Wi/connect_doc_camera_bl695wi.jpg
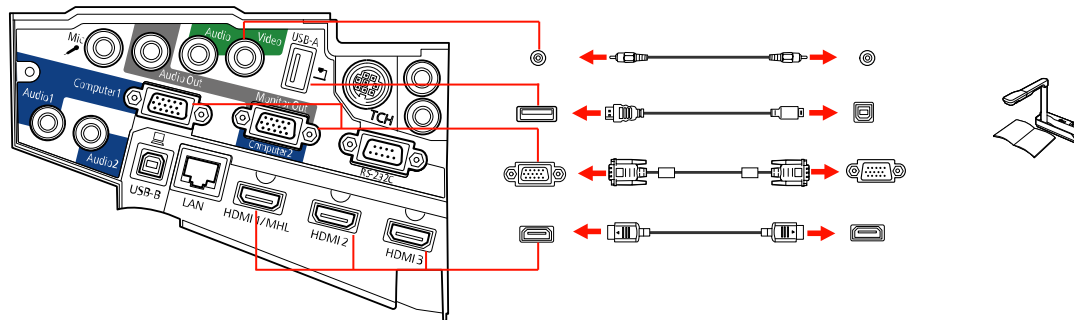
Note: For additional features supported by software, connect your document camera to your computer instead of the projector. See the document camera manual for details.

Parent topic: Projector Connections

Related references

Optional Equipment and Replacement Parts

Connecting Multiple Projectors of the Same Model

If you use the interactive features of multiple projectors of the same model in the same room, you need to synchronize the projectors. To do this, connect a stereo mini cable to the **SYNC** port on each projector.

1. Connect one end of the cable to the **SYNC In** port on one projector, and connect the other end to the **SYNC Out** port on the other projector.

/DCMS/Publications/Projectors/Source/Images/Connections/PL670_BL695Wi/connect_multiple_projectors_bl695wi.jpg
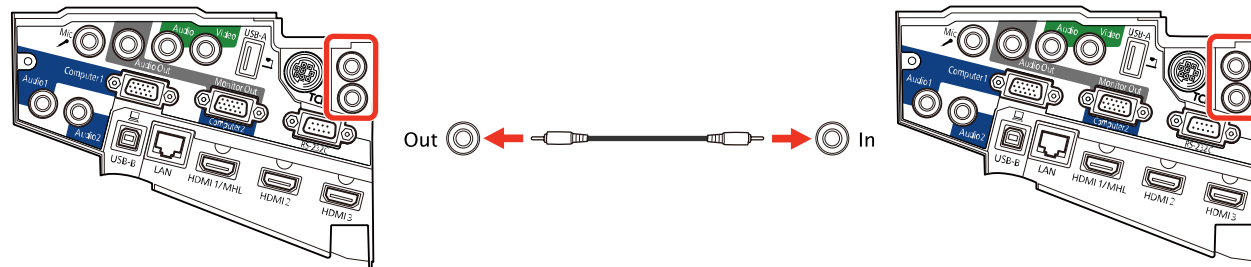
Note: If you are connecting three or more projectors, connect the projectors in a chain as shown.

/DCMS/Publications/Projectors/Source/Images/Connections/PL670_BL695Wi/connect_multiple_projectors_note_bl695wi.jpg
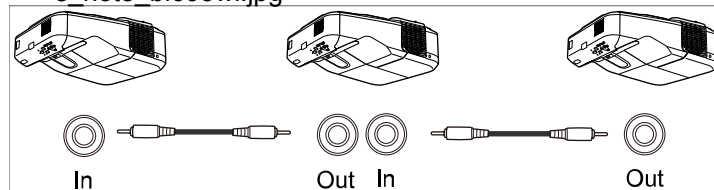
2. In the Extended menu of each projector, set the **Sync of Projectors** setting to **Wired**.

Note: If you are syncing multiple projectors with a combination of wired and infrared connections, set the **Wired Sync Mode** setting to **Mode 2** in each projector's Extended menu. If you are syncing using an infrared connection and the projectors are more than 6.6 feet (2 m) apart, set the **Distance of Projectors** setting to **Mode 1** in each projector's Extended menu.

Parent topic:

DCMS/Publications/Projectors/Source/Setup/Tasks/installing_remote_batteries_typeab.xml

Installing Batteries in the Remote Control

The remote control uses the two AA batteries that came with the projector.

Caution: Use only the type of batteries specified in this manual. Do not install batteries of different types, or mix new and old batteries.

1. Remove the battery cover.

/DCMS/Publications/Projectors/Source/Images/Setup/battery_cover_open_typeab.jpg
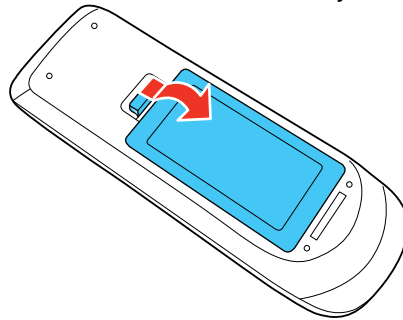
2. Insert the batteries with the **+** and **–** ends facing as shown.

/DCMS/Publications/Projectors/Source/Images/Remote_Controls/TypeAB/battery_insertion_ex7230_plw2
8p.jpg

3. Replace the battery cover and press it down until it clicks into place.

/DCMS/Publications/Projectors/Source/Images/Setup/battery_cover_close_typeab.jpg

Warning: Dispose of used batteries according to local regulations. Do not expose batteries to heat or flame. Keep batteries out of the reach of children; they are choking hazards and are very dangerous if swallowed.

Parent topic: Setting Up the Projector

Installing Batteries in the Pens

Each pen uses one AA battery.

1. Remove the battery cover as shown.

/DCMS/Publications/Projectors/Source/Images/Setup/BL696Ui/pen_cover_open_bl695wi.jpg
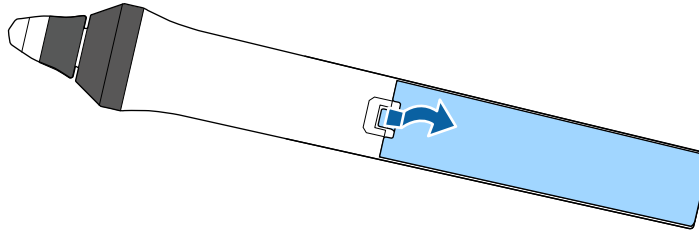
2. Insert the battery with the **+** and **–** ends facing as shown.

/DCMS/Publications/Projectors/Source/Images/Setup/BL696Ui/pen_battery_install_bl695wi.jpg
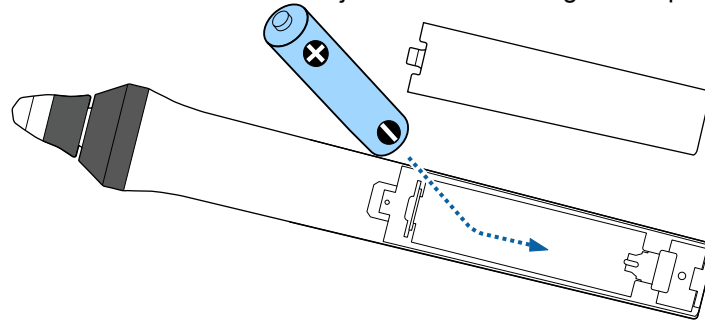
3. Replace the battery cover and press it down until it clicks into place.

/DCMS/Publications/Projectors/Source/Images/Setup/BL696Ui/pen_cover_close_bl695wi.jpg
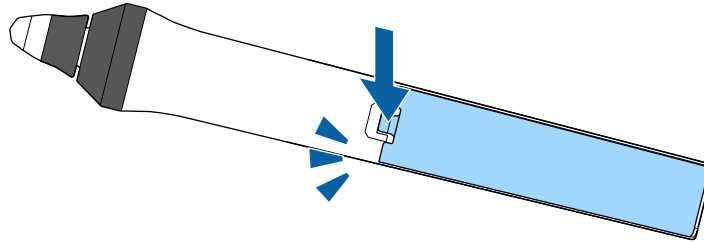
Warning: Dispose of used batteries according to local regulations. Do not expose batteries to heat or flame. Keep batteries out of the reach of children; they are choking hazards and are very dangerous if swallowed.

Parent topic: Setting Up the Projector

Using the Projector on a Network

Follow the instructions in these sections to set up your projector for use on a network.

Note: The interactive features may be slower over a network connection than over a USB connection.

Wired Network Projection
Wireless Network Projection
Setting Up Projector Network E-Mail Alerts
Setting Up Monitoring Using SNMP
Controlling a Networked Projector Using a Web Browser
Crestron RoomView Support

Wired Network Projection

You can project through a wired network. To do this, you connect the projector to your network, and then set up your projector and computer for network projection.

After connecting and setting up the projector as described here, install the network software from the included CD or download the software and manuals as necessary.

Note: If your projector is connected via a LAN cable to a network that includes a wireless access point, you can connect to the projector wirelessly through the access point using the Epson network software.

Connecting to a Wired Network
Selecting Wired Network Settings

Parent topic: Using the Projector on a Network

Related references

Additional Projector Software and Manuals
Projector Network Settings - Network Menu

Connecting to a Wired Network

To connect the projector to a wired local area network (LAN), use a 100Base-TX or 10Base-T network cable. To ensure proper data transmission, use a Category 5 shielded cable or better.

1. Connect one end of the network cable to your network hub, switch, or router.
2. Connect the other end of the cable to the projector's **LAN** port.

/DCMS/Publications/Projectors/Source/Images/Connections/PL670_BL695Wi/connect_lan_bl695wi.jpg
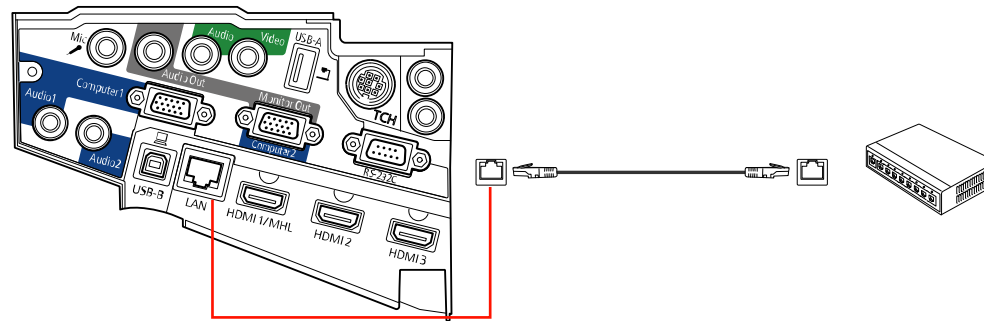
Parent topic: Wired Network Projection

Selecting Wired Network Settings

Before you can project from computers on your network, you must select the network settings for the projector using its menu system.

Note: Make sure you already connected the projector to your wired network using the **LAN** port.

1. Turn on the projector.
2. Press the **Menu** button.

3. Select the **Network** menu and press **Enter**.

/DCMS/Publications/Projectors/Source/Images/Menus/BL695Wi/menu_network_bl695wi.jpg

Image	Return
Signal	Wireless Mode Wireless L...
	Net. Info. – Wireless LAN
Settings	Net. Info. – Wired LAN
	Display the QR Code
Extended	Printer Settings
	Network Configuration
Network	
ECO	
Info	
Reset	

4. Select **Network Configuration** and press **Enter**.
5. Select the **Basic** menu and press **Enter**.

/DCMS/Publications/Projectors/Source/Images/Menus/PL670_685W/menu_network_basic_pl685w.jpg

Basic	Return
Wireless LAN	Projector Name
	PJLink Password
Wired LAN	Remote Password
	Web Control Password
Notifications	Moderator Password
	Projector Keyword Off
Others	Display LAN Info. Text & QR Co...
Reset	
Complete	

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6. Select the following basic options as necessary:

- **Projector Name** lets you enter a name up to 16 alphanumeric characters long to identify the projector over the network.

- **PJLink Password** lets you enter a password up to 32 alphanumeric characters long for using the PJLink protocol for projector control.

- **Remote Password** lets you enter a password up to 8 alphanumeric characters long for accessing the Remote or Basic Control screen in Epson Web Control. (Default user name is **EPSONREMOTE**; default password is **guest**.)

- **Web Control Password** lets you enter a password up to 8 alphanumeric characters long for accessing the projector over the web. (Default user name is **EPSONWEB**; default password is **admin**.)

- **Moderator Password** lets you enter a password up to 4 numbers long for accessing the projector as a moderator using EasyMP Multi PC Projection or the Epson iProjection app. (No default password.)

- **Projector Keyword** lets you turn on a security password to prevent access to the projector by anyone not in the room with it. You must enter a displayed, randomized keyword from a computer using the EasyMP Multi PC Projection software to access the projector.

- **Display LAN Info** lets you select how the projector displays network information. You can select an option to display a QR code that lets you quickly connect your iOS or Android devices using the Epson iProjection app.

Note: Use the displayed keyboard to enter the name, passwords, and keyword. Press the arrow buttons on the remote control to highlight characters and press **Enter** to select them.

7. Select the **Wired LAN** menu and press **Enter**.

/DCMS/Publications/Projectors/Source/Images/Menus/PL670_685W/menu_network_wiredlan_pl685w.jpg
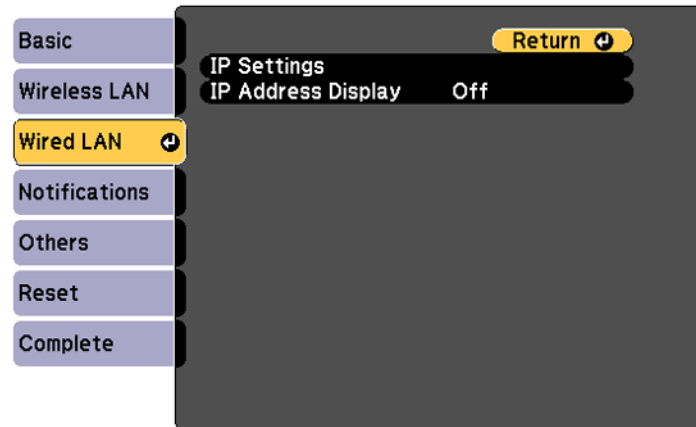
8. If necessary, select **IP Settings** and press **Enter**.

9. Select your IP Settings as necessary:

   • If your network assigns addresses automatically, turn on the **DHCP** setting.

   • If you must set addresses manually, turn off **DHCP** and enter the projector's **IP Address**, **Subnet Mask**, and **Gateway Address** as needed.

   Note: To highlight the numbers you want from the displayed keyboard, press the arrow buttons on the remote control. To select a highlighted number, press **Enter**. Or, press and hold the **Num** button on the remote control while entering the desired numbers.

10. To prevent display of the IP address on the standby screen, turn off **IP Address Display**.

11. When you finish selecting settings, select **Complete** and follow the on-screen instructions to save your settings and exit the menus.

Parent topic: Wired Network Projection

Related references

Projector Network Settings - Network Menu

Wireless Network Projection

You can project over a wireless network. To do this, you must set up your projector and computer for wireless projection.

There are two ways to connect to your projector wirelessly:

• Creating a Quick Wireless Connection USB Key (Windows only) using the Easy MP Multi PC Projection software

• Configuring the connection manually using the projector's Network menus

After setting up the projector as described here, install the network software from the included CD or download the software and manuals as necessary.

Note: If your projector is connected via a LAN cable to a network that includes a wireless access point, you can connect to the projector wirelessly through the access point using the Epson network software.

Installing the Wireless LAN Module
Using Quick Wireless Connection (Windows)
Selecting Wireless Network Settings Manually
Selecting Wireless Network Settings in Windows
Selecting Wireless Network Settings on Mac
Setting Up Wireless Network Security
Connecting Directly to a Smartphone or Tablet

Parent topic: Using the Projector on a Network

Related references

Projector Network Settings - Network Menu
Additional Projector Software and Manuals
Projector Network Settings - Network Menu

Installing the Wireless LAN Module

To use the projector over a wireless network, install the Epson 802.11b/g/n wireless module in the projector. Do not install any other type of wireless module.

Caution: Never remove the module while its indicator light is blue or flashing, or while you are projecting wirelessly. You may damage the module or lose data.

Note: The wireless LAN module is not included with your projector.

1. Turn off the projector and unplug the power cord.

2. Unscrew and remove the cable cover if it is attached (screwdriver not included).

/DCMS/Publications/Projectors/Source/Images/Connections/PL670_BL695Wi/cable_cover_remove_screw_bl695wi.jpg
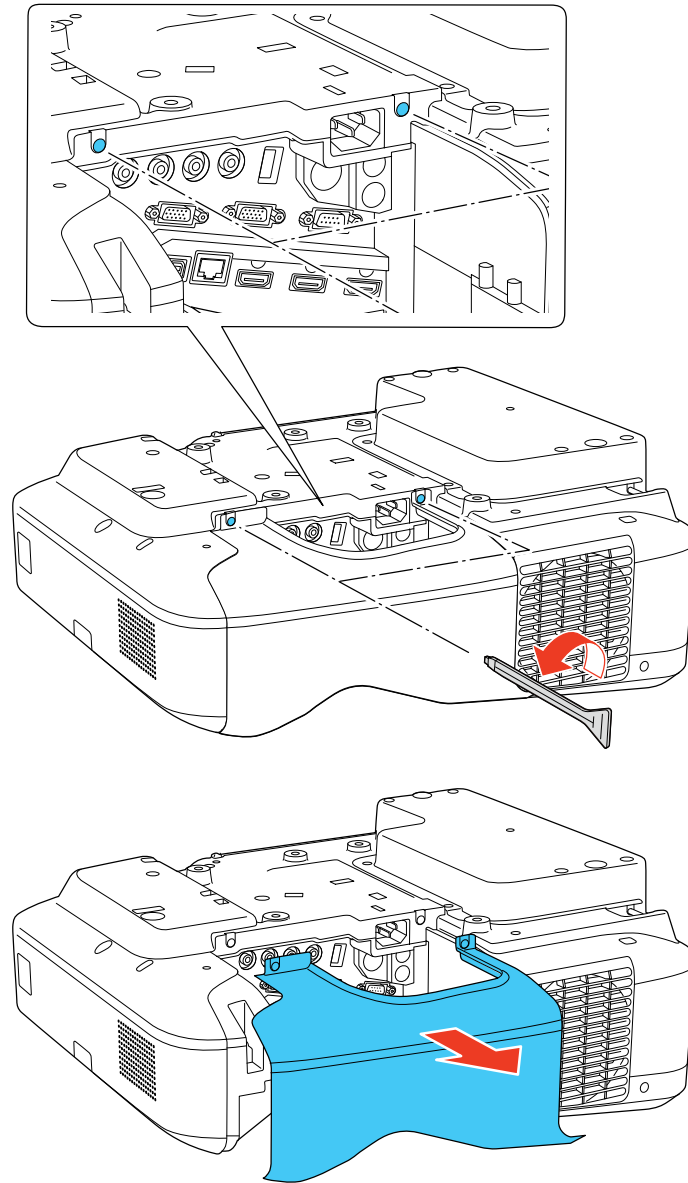
3. Insert the wireless LAN module into the port shown here.

/DCMS/Publications/Projectors/Source/Images/Connections/PL670_BL695Wi/lan_unit_install_bl695wi.jpg
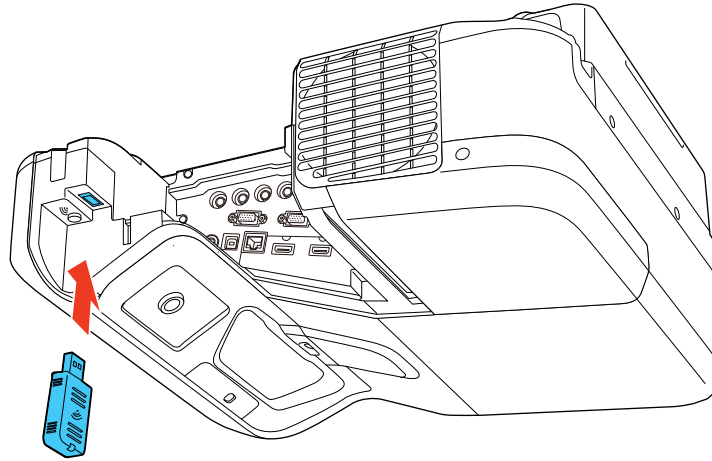
4. Replace the cable cover and tighten the screws.

5. Plug in and turn on the projector.

Parent topic: Wireless Network Projection

DCMS/Publications/Projectors/Source/Network/Tasks/using_quick_wireless_connection_user_created.xml

Using Quick Wireless Connection (Windows)

You can create a Quick Wireless Connection USB Key to quickly connect the projector to a Windows computer wirelessly. Then you can project your presentation and remove the key when you are done.

Note: A USB flash drive is not included with your projector.

1. Create a Quick Wireless Connection USB Key with a USB flash drive and the EasyMP Multi PC Projection software.

Note: See the *EasyMP Multi PC Projection Operation Guide* for instructions.

2. Turn on the projector.

3. Insert the USB key into the projector's **USB-A** port.

/DCMS/Publications/Projectors/Source/Images/Connections/PL670_BL695Wi/connect_usb_quick_wireless_bl695w.jpg
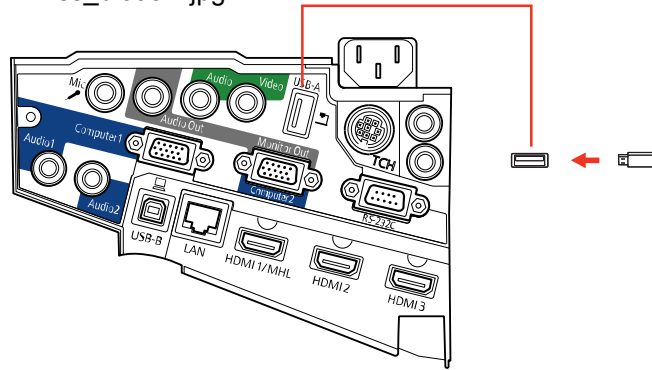
You see a projected message that the network information update is complete.

4. Remove the USB key.

5. Insert the USB key into a USB port on your computer.

   Note: In Windows Vista, if you see the AutoPlay window, select **Run MPPLaunch.exe**, then select **Allow** on the next screen.

6. Follow the on-screen instructions to install the EasyMP Multi PC Projection software.

   Note: If you see a Windows Firewall message, click **Yes** to disable the firewall. You need administrator authority to install the software. If it is not installed automatically, double-click **MPPLaunch.exe** in the USB key.

   After a few minutes, your computer image is displayed by the projector. If it does not appear, press the **LAN** or **Source Search** button on your remote control or restart your computer.

7. Run your presentation as necessary.

8. When you finish projecting wirelessly, select the **Safely Remove Hardware** option in the Windows taskbar, then remove the USB key from your computer.

   Note: You can share the USB key with other computers without disconnecting your computer. You may need to restart your computer to reactivate your wireless LAN connection.

Parent topic:

DCMS/Publications/Projectors/Source/Network/Tasks/selecting_wireless_network_settings_1775w.xml
Selecting Wireless Network Settings Manually
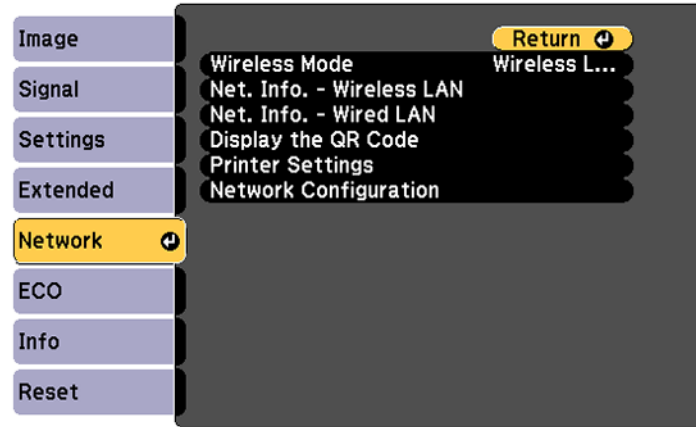
Before you can project from your wireless network, you must select the network settings for the projector using its menu system.
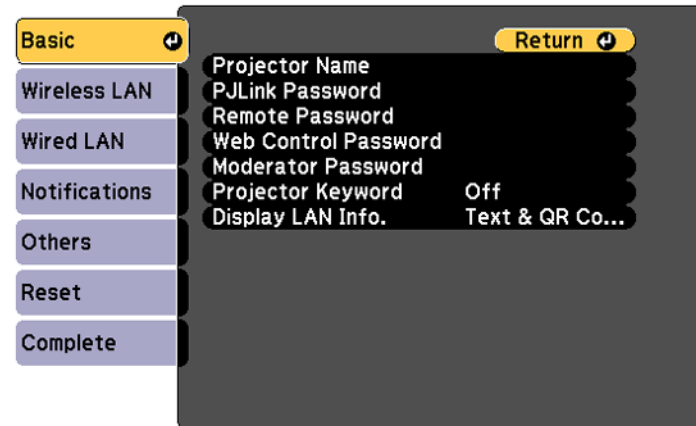
1. Turn on the projector.

2. Press the **Menu** button.

3. Select the **Network** menu and press **Enter**.

/DCMS/Publications/Projectors/Source/Images/Menus/BL695Wi/menu_network_bl695wi.jpg
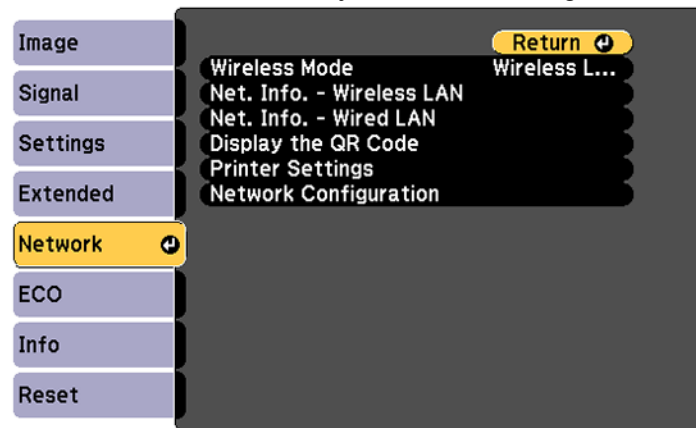
4. Make sure the **Wireless Mode** setting is set to **Wireless LAN On**.

5. Select **Network Configuration** and press **Enter**.

6. Select the **Basic** menu and press **Enter**.

/DCMS/Publications/Projectors/Source/Images/Menus/PL670_685W/menu_network_basic_pl685w.jpg
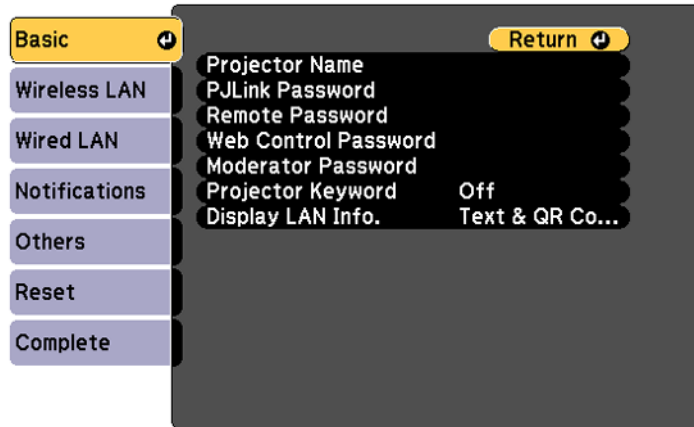
7. Select the following basic options as necessary:
   - **Projector Name** lets you enter a name up to 16 alphanumeric characters long to identify the projector over the network.
   - **PJLink Password** lets you enter a password up to 32 alphanumeric characters long for using the PJLink protocol for projector control.
   - **Remote Password** lets you enter a password up to 8 alphanumeric characters long for accessing the Remote or Basic Control screen in the Epson Web Control. (Default user name is **EPSONREMOTE**; default password is **guest**.)
   - **Web Control Password** lets you enter a password up to 8 alphanumeric characters long for accessing the projector over the web. (Default user name is **EPSONWEB**; default password is **admin**.)
   - **Moderator Password** lets you enter a password up to 4 numbers long for accessing the projector as a moderator with EasyMP Multi PC Projection or the Epson iProjection app.
   - **Projector Keyword** lets you turn on a security password to prevent access to the projector by anyone not in the room with it. The projector displays a random keyword that you must enter from a computer using the EasyMP Multi PC Projection software or an iOS or Android device using iProjection.

- **Display LAN Info** lets you select how the projector displays network information. You can select an option to display a QR code that lets you quickly connect your iOS or Android devices using the Epson iProjection app.

Note: Use the displayed keyboard to enter the name, passwords and keyword. Press the arrow buttons on the remote control to highlight characters and press **Enter** to select them.

8. Select the **Wireless LAN** menu and press **Enter**.

/DCMS/Publications/Projectors/Source/Images/Menus/PL670_685W/menu_network_wirelesslan_pl685w.jpg

Basic		Return ↵
Wireless LAN ↵	Connection Mode	Quick
	Search Access Point	
	SSID	
Wired LAN	Security	Open
	Passphrase	
Notifications	IP Settings	
	SSID Display	Off
Others	IP Address Display	Off
Reset		
Complete		
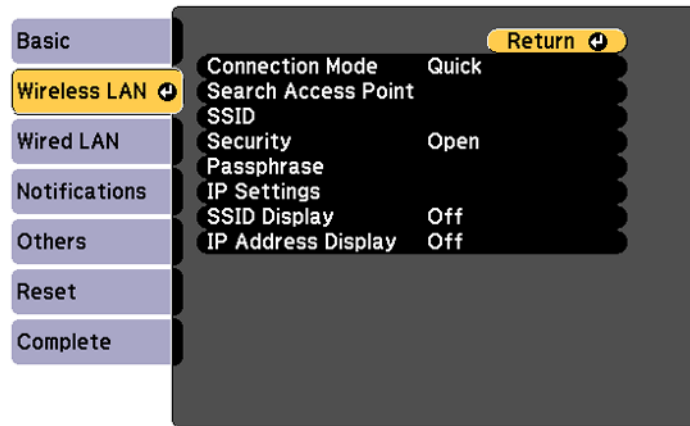
9. Select the settings on the **Wireless LAN** menu as necessary for your network.

10. When you finish selecting settings, select **Complete** and follow the on-screen instructions to save your settings and exit the menus.

After you complete the wireless settings for your projector, you need to select the wireless network on your computer, or iOS or Android device.

Wireless LAN Menu Settings

Parent topic: Wireless Network Projection

Wireless LAN Menu Settings

Setting	Options	Description
Connection Mode	**Quick** **Advanced**	Selects the type of wireless connection: **Quick**: lets you quickly connect to multiple computers or devices directly or use a Quick Wireless Connection USB Key to connect **Advanced**: lets you connect to multiple computers or devices via a wireless network access point
Search Access Point	**To Search View**	Search for available wireless network access points in **Advanced** connection mode
SSID	Up 32 alphanumeric characters	Sets the SSID (network name) of the wireless LAN system the projector is connecting to
Security	**Open** **WPA2-PSK** **WPA/WPA2-PSK**	Selects the type of wireless security used in the wireless network (some options are only available when the **Connection Mode** setting is set to **Advanced**)
Passphrase	Between 8 to 63 alphanumeric characters	Enter a paraphrase for the wireless network
IP Settings	**DHCP** (**On** or **Off**) **IP Address** **Subnet Mask** **Gateway Address**	Selects DHCP if your network assigns addresses automatically, or turns off DHCP so you can enter the network's IP address, subnet mask, and gateway address as needed
SSID Display	**On** **Off**	Selects whether to display the SSID on the network standby screen

Setting	Options	Description
IP Address Display	On Off	Selects whether to display the IP address on the network standby screen

Parent topic: Selecting Wireless Network Settings Manually

Selecting Wireless Network Settings in Windows

Before connecting to the projector, select the correct wireless network on your computer.

1. To access your wireless utility software, access the Desktop and double-click the network icon on the Windows taskbar.

2. Do one of the following:

   • If your projector is set up on an existing network (Advanced mode), select the network name (SSID).

   • If your projector is configured for Quick mode, select the projector's SSID.

3. Click **Connect**.

Parent topic: Wireless Network Projection

Selecting Wireless Network Settings on Mac

Before connecting to the projector, select the correct wireless network on your Mac.

1. Click the AirPort icon on the menu bar at the top of the screen.

2. Make sure AirPort is turned on, then do one of the following:

   • If your projector is set up on an existing network (Advanced mode), select the network name (SSID).

   • If your projector is configured for Quick mode, select the projector's SSID.

Parent topic: Wireless Network Projection

Setting Up Wireless Network Security

You can set up security for your projector to use on the wireless network. Set up one of the following security options to match the settings used on your network:

- WPA/WPA2-PSK security (Advanced connection mode)
- WPA2-PSK security (Advanced and Quick connection mode)

Check with your network administrator for guidance on entering the correct information.

1. Press the **Menu** button.
2. Select the **Network** menu and press **Enter**.
3. Select **Network Configuration** and press **Enter**.
4. Select the **Wireless LAN** menu and press **Enter**.

/DCMS/Publications/Projectors/Source/Images/Menus/PL670_685W/menu_network_wirelesslan_pl685w.jpg
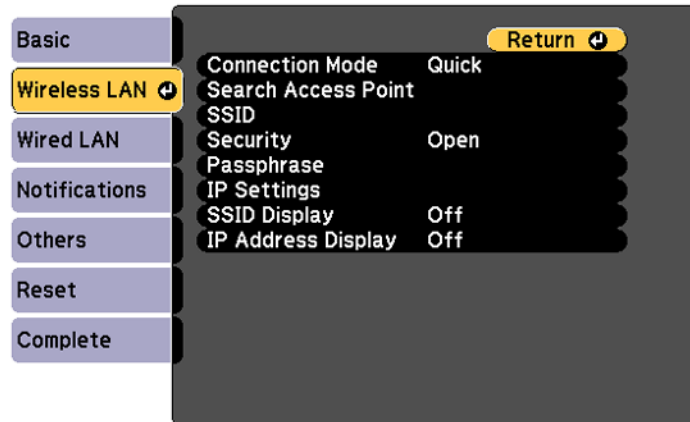
5. Select the **Security** setting and press **Enter**.
6. Select the security settings for your network.
7. When you finish selecting settings, select **Complete** and follow the on-screen instructions to save your settings and exit the menus.

Parent topic: Wireless Network Projection

Connecting Directly to a Smartphone or Tablet

You can display a QR code on the screen and use it to connect a single smartphone or tablet to your projector with the Epson iProjection app.

1. Download the latest version of Epson iProjection from the App Store or Google Play and install it on your smartphone or tablet.

2. Press the **Menu** button on the projector or the remote control.

3. Select the **Network** menu and press **Enter**.

/DCMS/Publications/Projectors/Source/Images/Menus/BL695Wi/menu_network_bl695wi.jpg
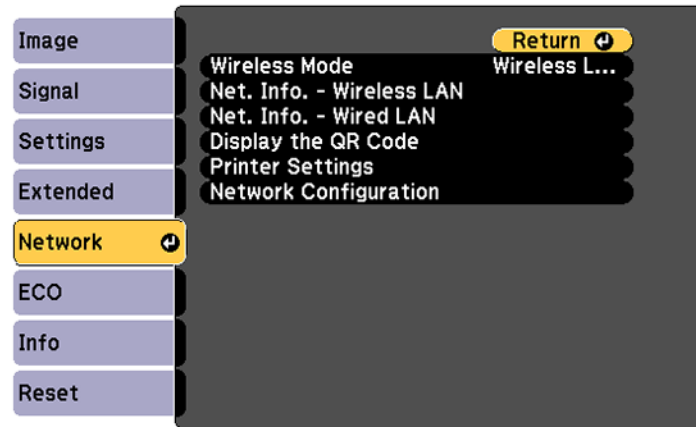
4. Select **Network Configuration** and press **Enter**.

5. Select the **Wireless LAN** menu and press **Enter**.

/DCMS/Publications/Projectors/Source/Images/Menus/PL670_685W/menu_network_wirelesslan_pl685w.
jpg
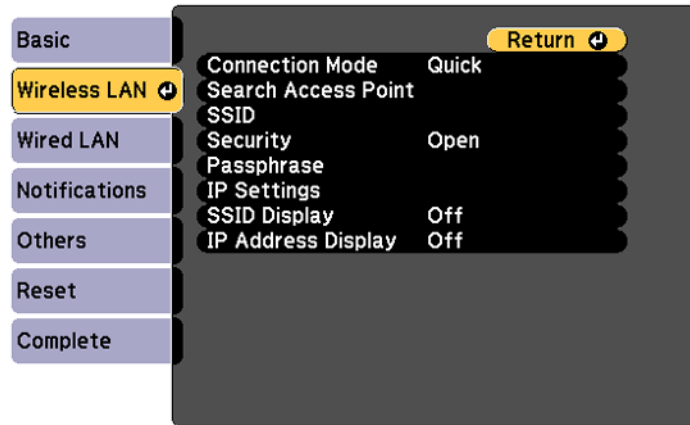
6. Select **Connection Mode** and press **Enter**.

7. Select **Quick** and press **Enter**, then press **Enter** again.

8. When you finish selecting settings, select **Complete** and follow the on-screen instructions to save
your settings and exit the menus.

9. Press the **Home** button on the projector or the remote control.

/DCMS/Publications/Projectors/Source/Images/Menus/PL670_685W/menu_home_pl685w_bl695wi.jpg

10. Select the QR code icon ⬚ and press **Enter**.

    Your projector displays a QR code on the projection surface.

11. Open Epson iProjection on your smartphone or tablet.

12. Use the QR code reader feature to read the QR code and connect your device to the projector.

    Your smartphone or tablet is now connected to your projector. Visit webs.latin.epson.com/iProjection for information on controlling your projector with the Epson iProjection app.

    Parent topic: Wireless Network Projection

DCMS/Publications/Projectors/Source/Network/Tasks/selecting_network_email_alerts_pg7000w.xml

Setting Up Projector Network E-Mail Alerts

You can set up the projector to send you an e-mail alert over the network if there is a problem with the projector.

1. Press the **Menu** button.

2. Select the **Network** menu and press **Enter**.

3. Select **Network Configuration** and press **Enter**.

4. Select the **Notifications** menu and press **Enter**.

/DCMS/Publications/Projectors/Source/Images/Menus/PL670_685W/menu_network_notifications_pl685w
.jpg
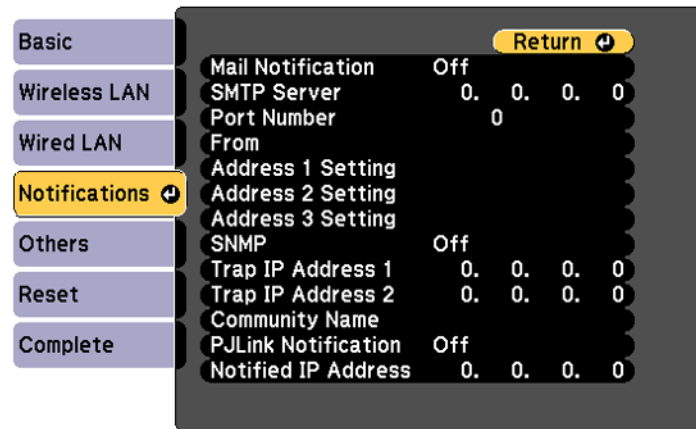
5. Turn on **Mail Notification**.

6. Enter the IP address for the **SMTP Server** setting.

   Note: To enter the IP address using the numeric keys on the remote control, press and hold the
   Num button. Do not use these addresses: 127.x.x.x or 224.0.0.0 through 255.255.255.255 (where x
   is a number from 0 to 255).

7. Select a number for the SMTP server **Port Number** setting, from 1 to 65535 (default is 25).

8. Enter the sender's email address as the **From** setting.

9. Choose an **Address** field, enter the e-mail address, and select the alerts you want to receive there.
   Repeat for up to three addresses. Your e-mail address can be up to 32 alphanumeric characters
   long.

10. If you are using the PJLink protocol for projector control, turn on the **PJLink Notification** setting and
    enter the IP address where you want to receive PJLink notifications as the **Notified IP Address**
    setting.

11. When you finish selecting settings, select **Complete** and follow the on-screen instructions to save
    your settings and exit the menus.

Note: If a critical problem causes a projector to shut down, you may not receive an e-mail alert.

Network Projector E-mail Alert Messages

Parent topic: Using the Projector on a Network

Network Projector E-mail Alert Messages

When a problem occurs with a networked projector, and you selected to receive e-mail alerts, you receive an e-mail containing the following information:

• The email address entered as the **From** setting

• **Epson Projector** on the subject line

• The name of the projector experiencing a problem

• The IP address of the affected projector

• Detailed information about the problem

Note: If a critical problem causes a projector to shut down, you may not receive an e-mail alert.

Parent topic: Setting Up Projector Network E-Mail Alerts

Setting Up Monitoring Using SNMP

Network administrators can install SNMP (Simple Network Management Protocol) software on network computers so they can monitor projectors. If your network uses this software, you can set up the projector for SNMP monitoring.

1. Press the **Menu** button.

2. Select the **Network** menu and press **Enter**.

3. Select **Network Configuration** and press **Enter**.

4. Select the **Notifications** menu and press **Enter**.

/DCMS/Publications/Projectors/Source/Images/Menus/PL670_685W/menu_network_notifications_pl685w
.jpg

Basic		Return ⏎
	Mail Notification	Off
Wireless LAN	SMTP Server	0. 0. 0. 0
	Port Number	0
Wired LAN	From	
	Address 1 Setting	
Notifications ⏎	Address 2 Setting	
	Address 3 Setting	
Others	SNMP	Off
	Trap IP Address 1	0. 0. 0. 0
Reset	Trap IP Address 2	0. 0. 0. 0
	Community Name	
Complete	PJLink Notification	Off
	Notified IP Address	0. 0. 0. 0
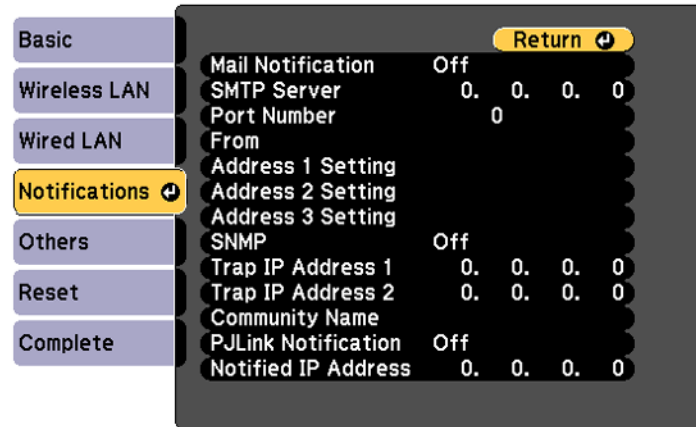
5. Turn on the **SNMP** setting.

6. Enter up to two IP addresses to receive SNMP notifications as the **Trap IP Address** setting, using 0 to 255 for each address field.

Note: To enter the IP address using the numeric keys on the remote control, press and hold the **Num** button. Do not use these addresses: 127.x.x.x or 224.0.0.0 through 255.255.255.255 (where x is a number from 0 to 255).

7. Select the **Others** menu and press **Enter**.

/DCMS/Publications/Projectors/Source/Images/Menus/PL670_685W/menu_network_others_pl685w.jpg

Basic	Return ↵
Wireless LAN	Priority Gateway — Wired LAN
	AMX Device Discovery — Off
Wired LAN	Crestron RoomView — Off
	Control4 SDDP — Off
Notifications	Message Broadcasting — Off
Others ↵	
Reset	
Complete	

8. If available, select the **Priority Gateway** setting for your network.

9. If your network environment uses an AMX controller, turn on the **AMX Device Discovery** setting to allow the projector to be detected.

10. If your network environment uses a Crestron RoomView controller, turn on the **Crestron RoomView** setting to allow the projector to be detected.

11. If you are using the projector with a Control 4 Simple Device Discovery Protocol (SDDP) automation system, turn on the **Control4 SDDP** setting.

12. If you want this projector to receive broadcast messages over the network, turn on the **Message Broadcasting** setting. Administrators can broadcast messages over the network using the Message Broadcasting plug-in for EasyMP Monitor (Windows only).

13. When you finish selecting settings, select **Complete** and follow the on-screen instructions to save your settings and exit the menus.

Parent topic: Using the Projector on a Network

DCMS/Publications/Projectors/Source/Network/Tasks/controlling_web_browser.xml
Controlling a Networked Projector Using a Web Browser

Once you have connected your projector to your network, you can select projector settings and control projection using a compatible web browser. This lets you access the projector remotely.

Note: The web setup and control features support Microsoft Internet Explorer 9.0 or later, and Safari on networks that do not use a proxy server for connection. You cannot select all of the projector menu settings or control all projector functions using a web browser.

Note: If you set Standby Mode to **Communication On**, you can use a web browser to select settings and control projection even if the projector is in standby mode.

1. Make sure the projector is turned on.

2. Start your web browser on a computer or device connected to the network.

3. Type the projector's IP address into the browser's address box and press the computer's **Enter** key.

4. Select the [icon] icon.

   Note: You may need to log in before you see the Web Control screen. If you see a log in window, enter your user name and password. (The default user name is **EPSONWEB** and the default password is **admin**.)

   You see the Web Control screen.

5. To select projector menu settings, select the name of the menu and follow the on-screen instructions.

6. To control projection remotely, select the **Web Remote** option.

You see a screen like this:

/DCMS/Publications/Projectors/Source/Images/Miscellaneous/web_remote_screen_pl675w_bl695wi.jpg
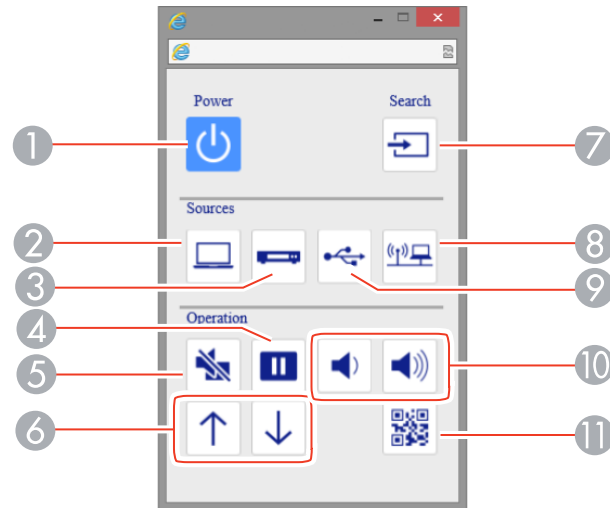
1	Power button control
2	Selects the **Computer** port source
3	Selects **Video** and **HDMI** port sources
4	**Freeze** button control
5	**A/V Mute** button control
6	**Page** up and **Page** down button controls
7	Searches for sources
8	Selects the network source
9	Selects the USB Display or USB device source
10	**Volume** button controls
11	Displays a QR code for connecting with iOS or Android devices using the Epson iProjection app

7. Select the icon corresponding to the projector function you want to control.

Parent topic: Using the Projector on a Network

Related references

Projector Setup Settings - Extended Menu

Crestron RoomView Support

If you are using the Crestron RoomView network monitoring and control system, you can set up your projector for use on the system. Crestron RoomView lets you control and monitor your projector using a web browser.

Note: You cannot use the Epson Web Control feature or the Message Broadcasting plug-in for EasyMP Monitor when you use Crestron RoomView.

For additional information on Crestron RoomView, contact Crestron.

Setting Up Crestron RoomView Support

Controlling a Networked Projector Using Crestron RoomView

Parent topic: Using the Projector on a Network

Setting Up Crestron RoomView Support

To set up your projector for monitoring and control using a Crestron RoomView system, make sure your computer and projector are connected to the network. If you are connecting wirelessly, set up the projector using the Advanced network connection mode.

Note: If you want to use the Crestron RoomView system when the projector is turned off, you need to adjust the **Standby Mode** setting in the ECO menu.

1. Press the **Menu** button.

2. Select the **Network** menu and press **Enter**.

3. Select **Network Configuration** and press **Enter**.

4. Select the **Others** menu and press **Enter**.

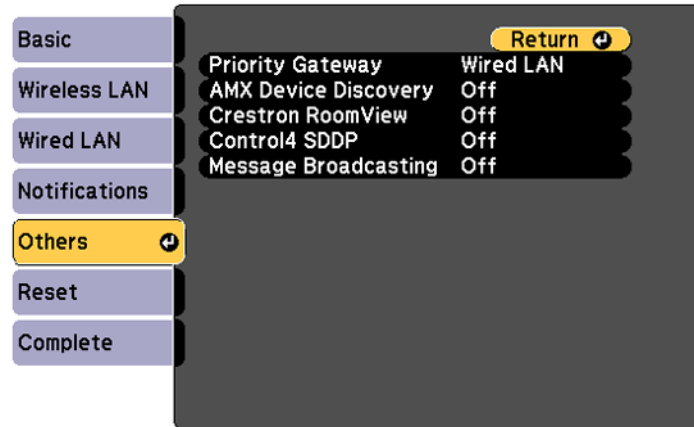/DCMS/Publications/Projectors/Source/Images/Menus/PL670_685W/menu_network_others_pl685w.jpg

Basic	Return ⏎
	Priority Gateway — Wired LAN
Wireless LAN	AMX Device Discovery — Off
	Crestron RoomView — Off
Wired LAN	Control4 SDDP — Off
	Message Broadcasting — Off
Notifications	
Others ⏎	
Reset	
Complete	
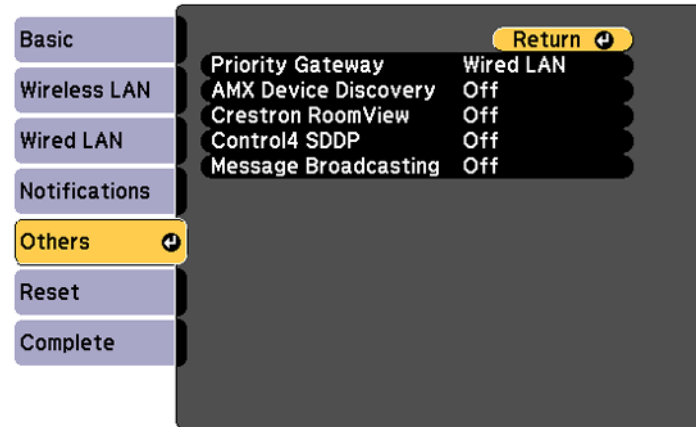
5. Set the **Crestron RoomView** setting to **On** to allow the projector to be detected.

   Note: Enabling Crestron RoomView disables the Epson Message Broadcasting feature in the EasyMP Monitor software.

6. When you finish selecting settings, select **Complete** and follow the on-screen instructions to save your settings and exit the menus.

7. Turn off the projector, then turn it on again to enable the setting.

Parent topic: Crestron RoomView Support

Related references

Projector Setup Settings - Extended Menu

DCMS/Publications/Projectors/Source/Network/Tasks/controlling_crestron.xml

Controlling a Networked Projector Using Crestron RoomView

Once you have set up your projector to use Crestron RoomView, you can control and monitor projection using a compatible web browser.

1. Start your web browser on a computer connected to the network.

2. Type the projector's IP address into the browser's address box and press the computer's **Enter** key.

You see this screen:

/DCMS/Publications/Projectors/Source/Images/Miscellaneous/crestron_controls.jpg
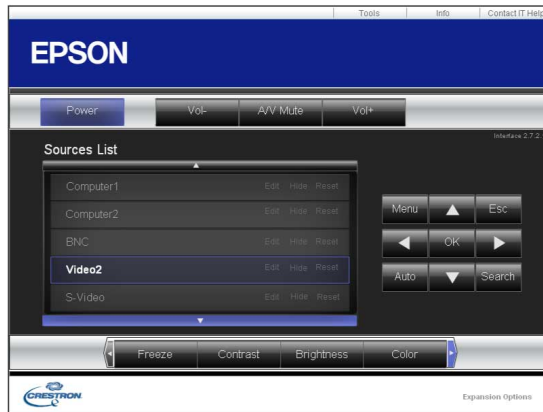
3. Select the input source that you want to control in the Sources List box. You can scroll through available sources using the up and down arrows in the box.

4. To control projection remotely, click the on-screen buttons that correspond to the projector's remote control buttons. You can scroll through button options at the bottom of the screen.

    Note: These on-screen buttons do not directly correspond to the projector's remote control buttons:

    *   **OK** acts as the **Enter** button
    *   **Menu** displays the projector's menu

5. To view information about the projector, click the **Info** tab.

6. To change projector, Crestron, and password settings, click the **Tools** tab, select settings on the displayed screen, and click **Send**.

7. When you finish selecting settings, click **Exit** to exit the program.

Parent topic: Crestron RoomView Support

Using Basic Projector Features

Follow the instructions in these sections to use your projector's basic features.

Turning On the Projector

Turning Off the Projector

Selecting the Language for the Projector Menus

Image Shape

Resizing the Image with the Wide and Tele Buttons

Adjusting the Image Position

Focusing the Image

Remote Control Operation

Selecting an Image Source

Projection Modes

Image Aspect Ratio

Color Mode

Controlling the Volume with the Volume Buttons

Projecting a PC Free Presentation

Turning On the Projector

Turn on the computer or video equipment you want to use before you turn on the projector so it can display the image source.

1. Connect the power cord to the projector's power inlet.

   /DCMS/Publications/Projectors/Source/Images/Adjustments/PL670_BL695Wi/plug_in_projector_pl695wi.jpg
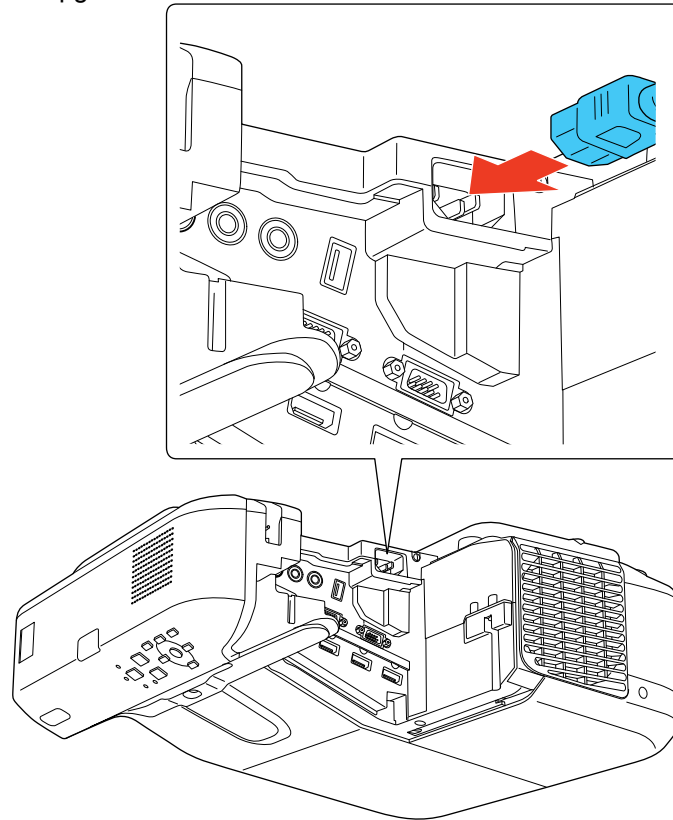
2. Plug the power cord into an electrical outlet.

   Note: With **Direct Power On** turned on, the projector turns on as soon as you plug it in.

   The projector's power light turns blue. This indicates that the projector is receiving power.

3. Press the power button on the projector or the remote control to turn on the projector.

   The projector beeps and the Status light flashes blue as the projector warms up. Once the projector is warmed up, the Status light stops flashing and turns blue.

Warning: Never look into the projector lens when the lamp is on. This can damage your eyes and is especially dangerous for children.

If you do not see a projected image right away, try the following:

• Turn on the connected computer or video device.

• Insert a DVD or other video media and press the play button, if necessary.

• Press the **Source Search** button on the projector or remote control to detect the video source.

• If the Home screen is displayed, select the source you want to project.

Parent topic: Using Basic Projector Features

Related references

Projector Setup Settings - Extended Menu

DCMS/Publications/Projectors/Source/Basic_Use/Tasks/projector_turn_off_blue_power_light.xml

Turning Off the Projector

Before turning off the projector, shut down any computer connected to it so you can see the computer display during shutdown.

Note: Turn off this product when not in use to prolong the life of the projector. Lamp life will vary depending upon mode selected, environmental conditions, and usage. Brightness decreases over time.

Note: When using the A/V Mute feature, the projector lamp is still on. To turn off the lamp, turn off the projector.

1. Press the power button on the projector or the remote control.

The projector displays a shutdown confirmation screen.

/DCMS/Publications/Projectors/Source/Images/Miscellaneous/power_off_message_blue_white_button.jpg

```
Power Off?

Yes: Press (⏻) button
No : Press any other button
```

2. Press the power button again. (To leave it on, press any other button.)

   The projector beeps twice, the lamp turns off, and the Status light turns off.

   Note: With Epson's Instant Off technology, there is no cool-down period so you can pack up the projector for transport right away (if necessary).

3. To transport or store the projector, make sure Status light is off, then unplug the power cord.

   Caution: To avoid damaging the projector or lamp, never unplug the power cord when the Status light is on or flashing.

Parent topic: Using Basic Projector Features

Related references

Projector Setup Settings - Extended Menu

DCMS/Publications/Projectors/Source/Basic_Use/Tasks/menu_language_selecting.xml

Selecting the Language for the Projector Menus

If you want to view the projector's menus and messages in another language, you can change the Language setting.

1. Turn on the projector.
2. Press the **Menu** button.

3. Select the **Extended** menu and press **Enter**.

/DCMS/Publications/Projectors/Source/Images/Menus/BL695Wi/menu_extended_bl695wi.jpg

Image		Return ↵
	Easy Interactive Function	
Signal	Home Screen	
	Display	
Settings	Closed Caption	Off
	User's Logo	
Extended ↵	Projection	Front
	Operation	
Network	A/V Settings	
	USB Type B	USB Display
ECO	Multi-Projection	
	Language 🌐	English
Info	Reset	
Reset		
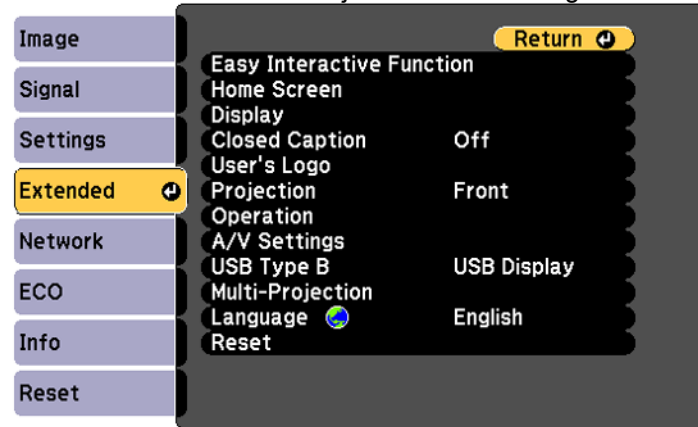
4. Select the **Language** setting and press **Enter**.

5. Select the language you want to use and press **Enter**.

6. Press **Menu** or **Esc** to exit the menus.

Parent topic: Using Basic Projector Features

Related references

Projector Setup Settings - Extended Menu

DCMS/Publications/Projectors/Source/Basic_Use/Concepts/image_shape_no_auto_pl470_bl485wi.xml

Image Shape

You can project an evenly rectangular image by placing the projector directly in front of the center of the screen and keeping it level. If you place the projector at an angle to the screen, or tilted up or down, or off to the side, you may need to correct the image shape for the best display quality.

Note: For interactive use, the image must be evenly rectangular, without distortion.

Correcting Image Shape with the Keystone Buttons
Correcting Image Shape with Quick Corner
Correcting Image Shape with Arc Correction

Parent topic:

Correcting Image Shape with the Keystone Buttons

You can use the projector's keystone correction buttons to correct the shape of an image that is unevenly rectangular on the sides.

Note: You can use the keystone buttons to correct the image up to ± 3° horizontally or vertically.

Note: Using the keystone correction buttons may affect interactive pen and finger touch calibration.

1. Turn on the projector and display an image.

   Note: You can display a pattern to aid in adjusting the projected image using the Settings menu.

2. Press one of these keystone buttons on the control panel to display the Keystone adjustment screen.

   /DCMS/Publications/Projectors/Source/Images/Adjustments/PL670_BL695Wi/control_panel_keystone_pl685wi_bl695wi.jpg

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3. Press a keystone button on the projector's control panel to adjust the image shape.

/DCMS/Publications/Projectors/Source/Images/Adjustments/PL670_BL695Wi/keystone_vert_buttons_pl6
85w_bl695wi.jpg
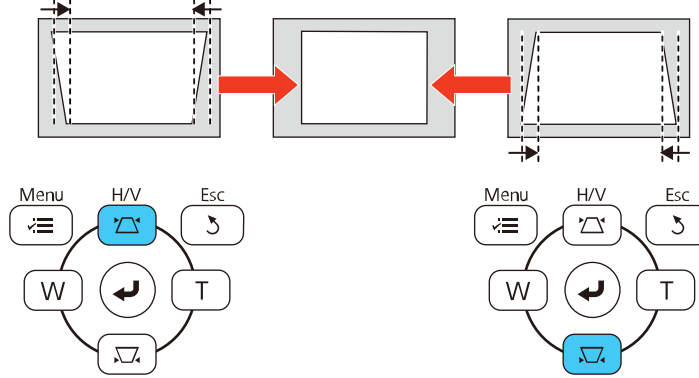
/DCMS/Publications/Projectors/Source/Images/Adjustments/PL670_BL695Wi/keystone_horiz_buttons_pl
685w_bl695wi.jpg
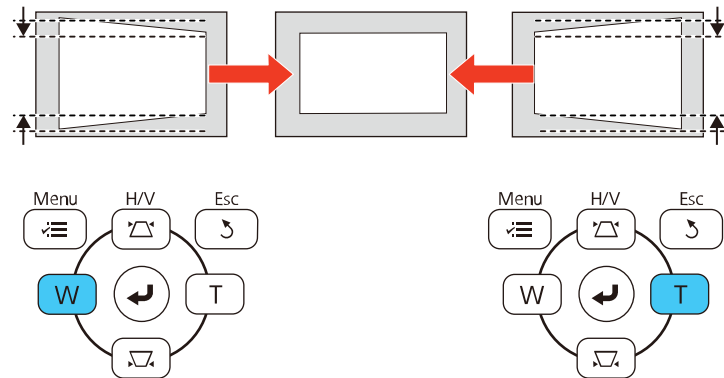
Note: The horizontal keystone adjustment buttons are labeled **W** and **T**.

After correction, your image is slightly smaller.

Note: If the projector is installed out of reach, you can also correct the image shape with the remote control using the **H/V-Keystone** settings in the projector menus.

Parent topic: Image Shape

Related references

Projector Feature Settings - Settings Menu

DCMS/Publications/Projectors/Source/Basic_Use/Tasks/image_shape_quick_corner.xml
Correcting Image Shape with Quick Corner

You can use the projector's Quick Corner setting to correct the shape and size of an image that is unevenly rectangular on all sides.

/DCMS/Publications/Projectors/Source/Images/Adjustments/image_adjustment_example_quick_corner.jpg
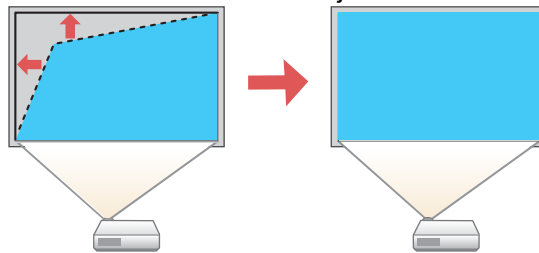
Note: Adjusting the Quick Corner setting may affect interactive pen and finger touch calibration.

1. Turn on the projector and display an image.

   Note: You can display a pattern to aid in adjusting the projected image using the Settings menu.

2. Press the **Menu** button.

3. Select the **Settings** menu and press **Enter**.

/DCMS/Publications/Projectors/Source/Images/Menus/PL670_685W/menu_settings_pl685w.jpg

Image		**Return** ↵
Signal	Geometry Correction	H/V-Keystone
	Split Screen	
Settings ↵	Zoom	
	Image Shift	
Extended	Volume	0
	HDMI Link	
Network	Lock Setting	
	Pointer Shape	Pointer 1
ECO	Mic Input Level	0
	Remote Receiver	Front/Rear
Info	User Button	Power Consum...
	Pattern	
Reset	Installation Guide	
	Reset	
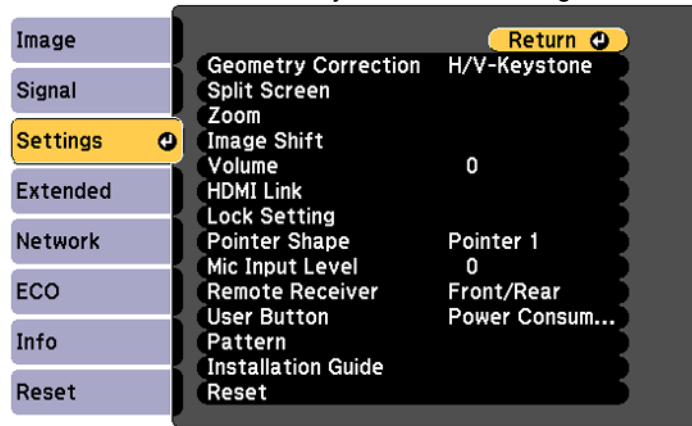
4. Select the **Geometry Correction** setting and press **Enter**.

5. Select the **Quick Corner** setting and press **Enter**. Then press **Enter** again.

You see the Quick Corner adjustment screen:

/DCMS/Publications/Projectors/Source/Images/Miscellaneous/quick_corner_adj_screen.jpg

[Quick Corner]

Select the area.

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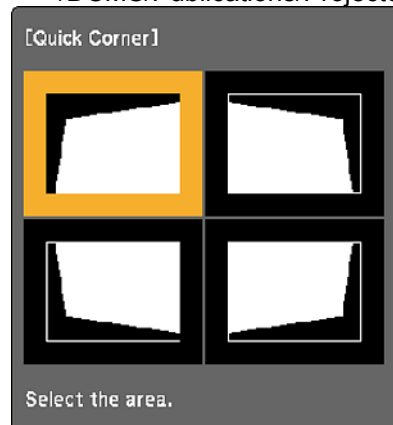
Note: To reset your adjustments, press and hold the **Esc** button for at least 2 seconds to display a reset screen. Then select **Yes**.

6. Use the arrow buttons on the projector or the remote control to select the corner of the image you want to adjust. Then press **Enter**.

7. Press the arrow buttons to adjust the image shape as necessary. Press **Enter** to return to the area selection screen.

8. When you are finished, press **Esc**.

Parent topic: Image Shape

Related references

Projector Feature Settings - Settings Menu

Correcting Image Shape with Arc Correction

You can use the projector's Arc Correction setting to adjust the curve or arc of the sides of your image.

Note: Adjusting the Arc Correction setting may affect interactive pen and finger touch calibration.

1. Turn on the projector and display an image.

    Note: You can display a pattern to aid in adjusting the projected image using the Settings menu.

2. Press the **Menu** button.

3. Select the **Settings** menu and press **Enter**.

/DCMS/Publications/Projectors/Source/Images/Menus/PL670_685W/menu_settings_pl685w.jpg

Image	
Signal	Geometry Correction H/V-Keystone
	Split Screen
Settings ⏎	Zoom
	Image Shift
Extended	Volume 0
	HDMI Link
Network	Lock Setting
	Pointer Shape Pointer 1
ECO	Mic Input Level 0
	Remote Receiver Front/Rear
	User Button Power Consum...
Info	Pattern
	Installation Guide
Reset	Reset

Return ⏎

4. Select the **Geometry Correction** setting and press **Enter**.

5. Select the **Arc Correction** setting and press **Enter**. Then press **Enter** again.

   You see the Arc Correction adjustment screen:

/DCMS/Publications/Projectors/Source/Images/Miscellaneous/arc_correction_adj_screen.jpg

[Arc Correction]
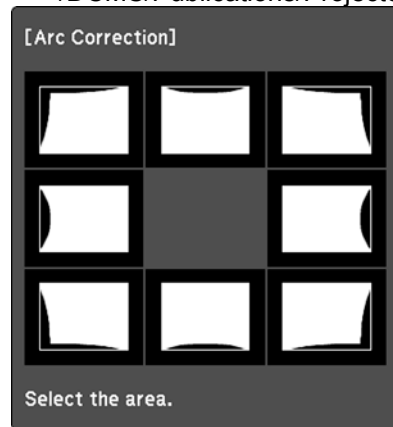
Select the area.

6. Use the arrow buttons on the projector or the remote control to select the corner or side of the image you want to adjust. Then press **Enter**.

7. Press the arrow buttons to adjust the image shape as necessary.

8. When you are finished, press **Esc**.

Parent topic: Image Shape

Related references

Projector Feature Settings - Settings Menu

Resizing the Image with the Wide and Tele Buttons

1. Turn on the projector and display an image.

2. To enlarge the image size, press the **W** (Wide) button on the projector's control panel.

3. To reduce the image size, press the **T** (Tele) button.

/DCMS/Publications/Projectors/Source/Images/Adjustments/PL670_BL695Wi/zoom_tele_wide_pl685w_bl695wi.jpg
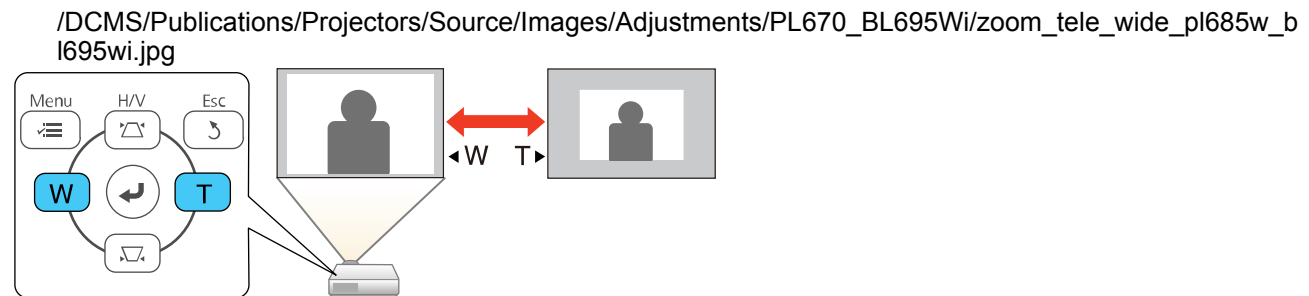
After you adjust the image size, the Image Shift screen is displayed automatically for adjusting the image position.

Note: If the projector is installed out of reach, you can also adjust the image size with the remote control using the **Zoom** setting in the projector menus.

Parent topic: Using Basic Projector Features

Related references

Projector Feature Settings - Settings Menu

Related tasks

DCMS/Publications/Projectors/Source/Basic_Use/Tasks/image_adjusting_position.xml

Adjusting the Image Position

You can use the Image Shift feature to adjust the image position without moving the projector.

/DCMS/Publications/Projectors/Source/Images/Adjustments/PL470_BL485wi/image_shift_pl470_bl485wi.jpg
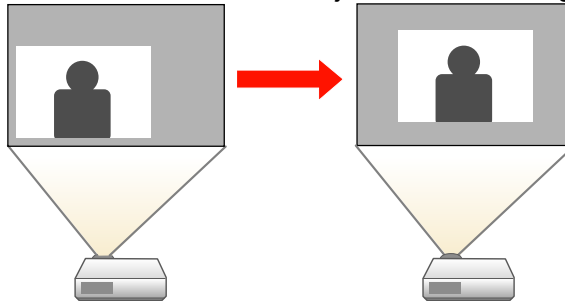
Note: This feature is not available if the **Zoom** option is set to the widest setting.

1. Turn on the projector and display an image.

2. Adjust the image size using the **W** (Wide) and **T** (Tele) buttons.

   After you adjust the image size, the Image Shift screen is displayed automatically.

/DCMS/Publications/Projectors/Source/Images/Miscellaneous/image_shift_blp1410wi.jpg
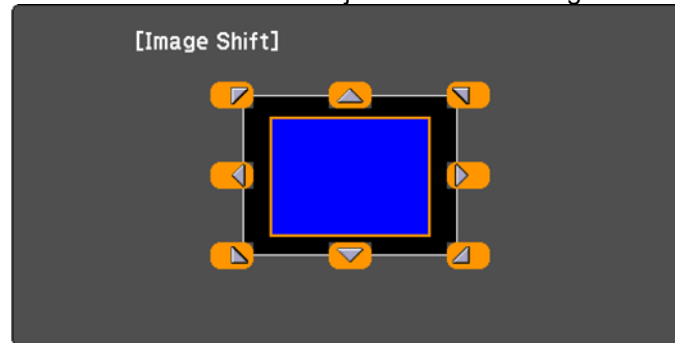
3. Use the arrow buttons on the projector or remote control to adjust the image position.

   Note: You can also use the Settings menu to adjust the **Image Shift** setting.

Parent topic: Using Basic Projector Features

Related references

Projector Feature Settings - Settings Menu

DCMS/Publications/Projectors/Source/Basic_Use/Tasks/image_focusing_pl470_bl485wi.xml
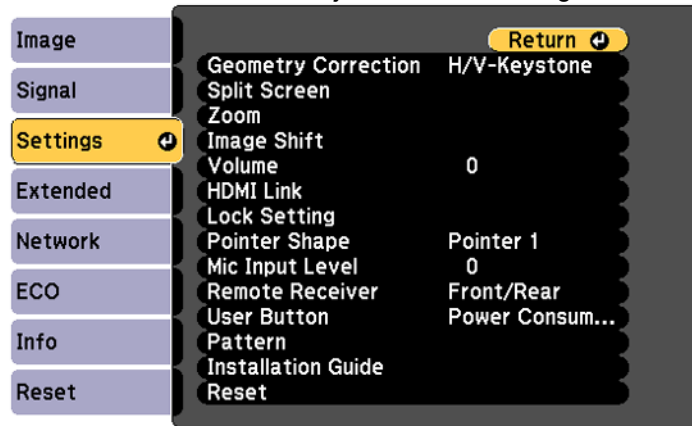
Focusing the Image

1. Turn on the projector and display an image.

   Note: You can display a pattern to aid in adjusting the projected image using the Settings menu.

2. Slide the air filter cover latch and open the air filter cover.

   /DCMS/Publications/Projectors/Source/Images/Adjustments/PL670_BL695Wi/focusing_cover_open_pl685w_bl695wi.jpg
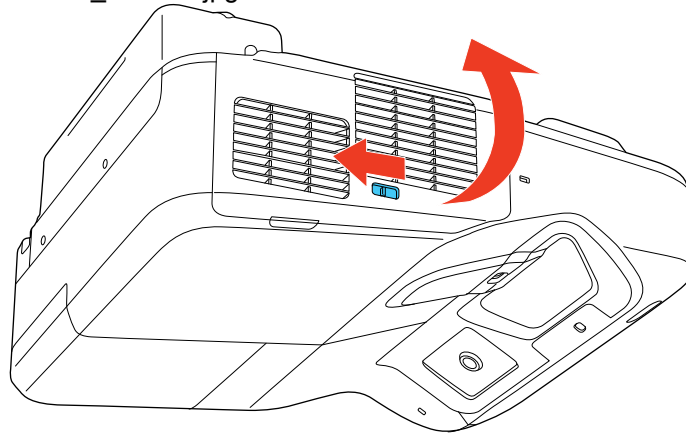
3. Raise or lower the focus lever to sharpen the image.

/DCMS/Publications/Projectors/Source/Images/Adjustments/PL670_BL695Wi/focusing_pl685w_bl695wi.jpg
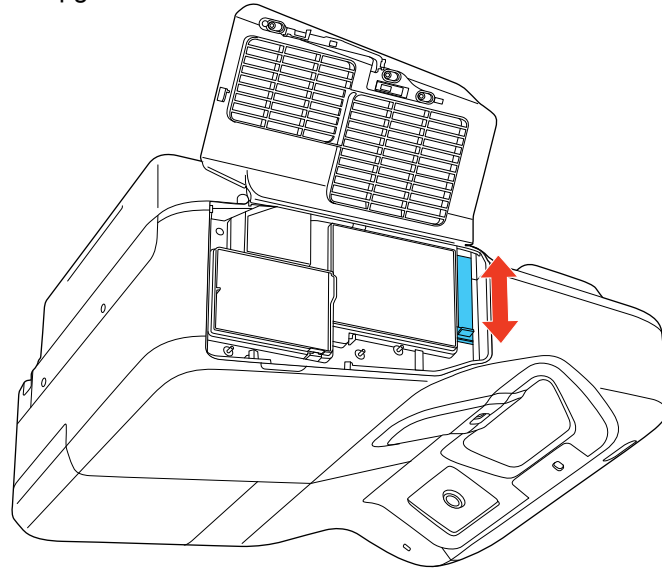
Parent topic: Using Basic Projector Features

Related references

Projector Feature Settings - Settings Menu

DCMS/Publications/Projectors/Source/Basic_Use/Reference/remote_control_operation_pl470_bl485wi.xml

Remote Control Operation

The remote control lets you control the projector from almost anywhere in the room, up to 19.7 feet (6 m) away. You can point it at the screen or board, or the front or back of the projector.

Make sure that you aim the remote control at the projector's receivers within the angles listed here.

/DCMS/Publications/Projectors/Source/Images/Remote_Controls/PL470_BL475Wi/remote_control_angles_pl470_bl485wi.jpg
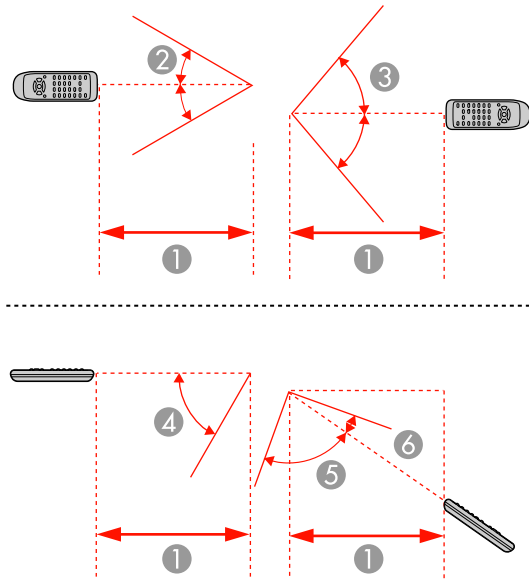
1   19.7 feet (6 m)

2   ± 30°

3   ± 55°

4   60°

5   75°

6   15°

Note: Avoid using the remote control in conditions with bright fluorescent lights or in direct sunlight, or the projector may not respond to commands. If you will not use the remote control for a long time, remove the batteries.

Using the Remote Control as a Wireless Mouse
Using the Remote Control as a Pointer

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Parent topic:

Using the Remote Control as a Wireless Mouse

You can use the projector's remote control as a wireless mouse so you can control projection at a distance from the computer. The computer must be running Windows Vista or later, OS X 10.7 or later, or macOS 10.12.x

Note: You cannot use this feature at the same time as the interactive pens. If you want to use the remote control as a wireless mouse, you need to change the **USB Type B** setting in the projector's Extended menu.

1. Connect the projector to a computer using the projector's **USB-B**, **Computer**, or **HDMI** port to display video.

   Note: You cannot use the wireless mouse feature with an MHL connection.

2. If you connected your computer to a port other than the projector's **USB-B** port, also connect a USB cable to the projector's **USB-B** port and to a USB port on your computer (for wireless mouse support).

3. Start your presentation.

4. Use the following buttons on the remote control to control your presentation:

   • To move through slides or pages, press the up or down **Page** buttons.

   /DCMS/Publications/Projectors/Source/Images/Remote_Controls/TypeAB/remote_control_wireless_mouse_typeab.jpg

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- To move the cursor on the screen, use the arrow buttons.

- To left-click, press the ↵ button once (press it twice to double-click).

- To right-click, press the **Esc** button.

- To drag-and-drop, hold the ↵ button as you move the cursor with the arrow buttons, then release the ↵ button at the destination.

Parent topic: Remote Control Operation

Related tasks

Connecting to a Computer for USB Mouse Control

DCMS/Publications/Projectors/Source/Basic_Use/Tasks/remote_using_as_pointer.xml

Using the Remote Control as a Pointer

You can use the projector's remote control as a pointer to help you call out important information on the screen. The default pointer shape is an arrow, but you can select an alternative shape using the Settings menu.

1. Press the **Pointer** button on the remote control.

/DCMS/Publications/Projectors/Source/Images/Remote_Controls/TypeAB/remote_control_pointer_typeab.jpg
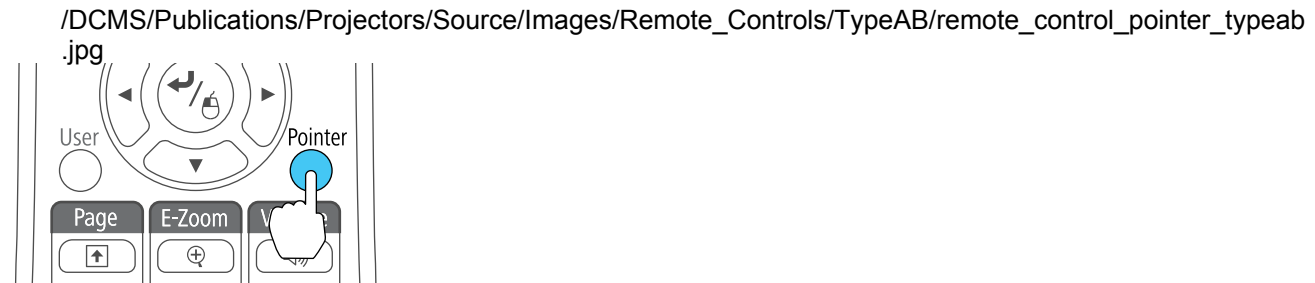
2. Use the arrow buttons on the remote control to move the pointer on the screen.

/DCMS/Publications/Projectors/Source/Images/Miscellaneous/pointer_movement_graphic.jpg

3. Press **Esc** to clear the pointer from the screen.

Parent topic: Remote Control Operation

Related references

Projector Feature Settings - Settings Menu

Selecting an Image Source

If you connected multiple image sources to the projector, such as a computer and DVD player, you may want to switch from one image source to the other.

Note: If you turned on the **Auto Source Search** setting in the Extended menu, the projector automatically switches to another detected image source if the signal to the current image source is lost.

1. Make sure the connected image source you want to use is turned on.

2. For video image sources, insert a DVD or other video media and press its play button, if necessary.

3. Do one of the following:

   • Press the **Source Search** button on the projector or remote control until you see the image from the source you want.

   /DCMS/Publications/Projectors/Source/Images/Adjustments/PL670_BL695Wi/remote_control_panel_source_search_pl685w_bl695wi.jpg
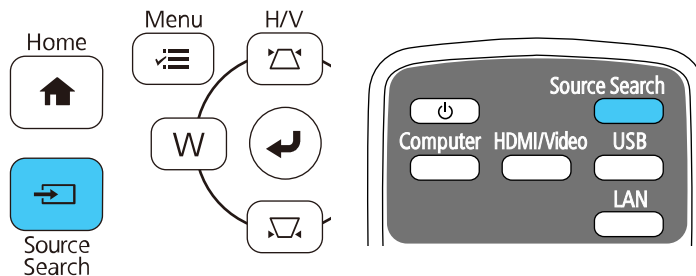
- Press the button for the source you want on the remote control. If there is more than one port for that source, press the button again to cycle through the sources.

/DCMS/Publications/Projectors/Source/Images/Adjustments/PL670_BL695Wi/remote_control_source_pl685w_bl695wi.jpg
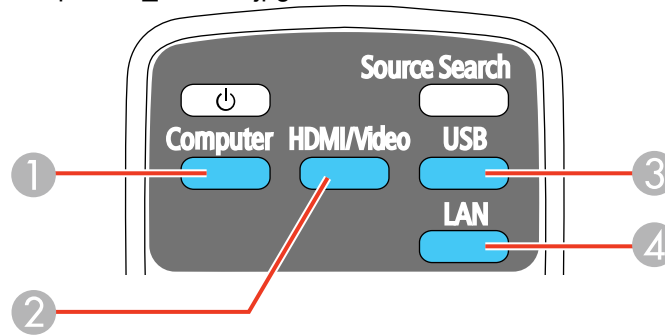
1	Computer port sources
2	Video, HDMI, and MHL sources
3	USB port sources (computer display and external devices)
4	Network source (LAN)

- Press the **Home** button on the remote control and select your image source.

/DCMS/Publications/Projectors/Source/Images/Menus/PL670_685W/menu_home_pl685w_bl695wi.jpg

Parent topic: Using Basic Projector Features

DCMS/Publications/Projectors/Source/Basic_Use/Concepts/projection_modes_upside_down.xml

Projection Modes

Depending on how you positioned the projector, you may need to change the projection mode so your images project correctly.

- **Front** lets you project from a table in front of the screen.
- **Front/Upside Down** (default setting) flips the image over top-to-bottom to project upside-down from a wall or ceiling mount. Also use this mode when you mount the projector vertically on a table to create an interactive work surface.
- **Rear** flips the image horizontally to project from behind a translucent screen.
- **Rear/Upside Down** flips the image over top-to-bottom and horizontally to project from the wall or ceiling and behind a translucent screen.

Note: The two Rear projection modes cannot be used with the interactive features.

You can change the projection mode using the remote control or by changing the **Projection** setting in the **Extended** menu.

Changing the Projection Mode Using the Remote Control

Changing the Projection Mode Using the Menus

Parent topic: Using Basic Projector Features

Related references

Projector Setup Settings - Extended Menu

DCMS/Publications/Projectors/Source/Basic_Use/Tasks/projection_mode_changing_remote.xml

Changing the Projection Mode Using the Remote Control

You can change the projection mode to flip the image over top-to-bottom.

1. Turn on the projector and display an image.

2. Hold down the **A/V Mute** button on the remote control for five seconds.

/DCMS/Publications/Projectors/Source/Images/Adjustments/PL670_BL695Wi/remote_control_av_mute_pl685w_bl695wi.jpg

The image disappears briefly and reappears flipped top-to-bottom.

3. To change projection back to the original mode, hold down the **A/V Mute** button for five seconds again.

Parent topic: Projection Modes

DCMS/Publications/Projectors/Source/Basic_Use/Tasks/projection_mode_changing_menu.xml

Changing the Projection Mode Using the Menus

You can change the projection mode to flip the image over top-to-bottom and/or left-to-right using the projector menus.

1. Turn on the projector and display an image.

2. Press the **Menu** button.

3. Select the **Extended** menu and press **Enter**.

Image		
Signal		
Settings	Return ↵	
	Easy Interactive Function	
Extended ↵	Home Screen	
	Display	
Network	Closed Caption	Off
	User's Logo	
ECO	Projection	Front
	Operation	
Info	A/V Settings	
	USB Type B	USB Display
Reset	Multi-Projection	
	Language 🌐	English
	Reset	
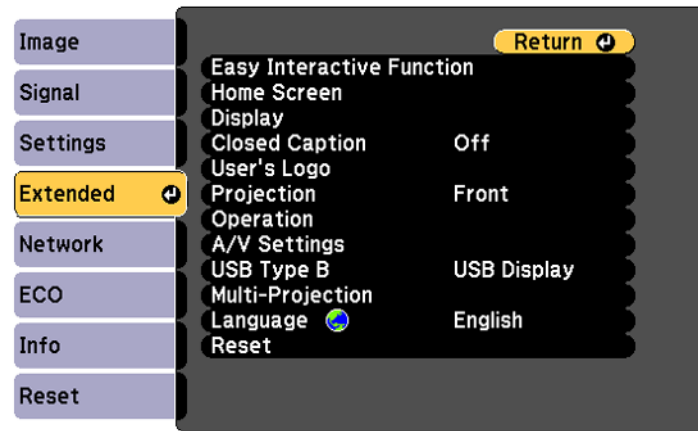
4. Select the **Projection** setting and press **Enter**.

5. Select a projection mode and press **Enter**.

6. Press **Menu** or **Esc** to exit the menus.

Parent topic: Projection Modes

Related references

Projector Setup Settings - Extended Menu

DCMS/Publications/Projectors/Source/Basic_Use/Concepts/image_aspect_ratio.xml

Image Aspect Ratio

The projector can display images in different width-to-height ratios called aspect ratios. Normally the input signal from your video source determines the image's aspect ratio. However, for certain images you can change the aspect ratio to fit your screen by pressing a button on the remote control.

If you always want to use a particular aspect ratio for a certain video input source, you can select it using the projector's menus.

Changing the Image Aspect Ratio

Available Image Aspect Ratios

Parent topic: Using Basic Projector Features

Changing the Image Aspect Ratio

You can change the aspect ratio of the displayed image to resize it.

1. Turn on the projector and switch to the image source you want to use.

2. Press the **Aspect** button on the remote control.

/DCMS/Publications/Projectors/Source/Images/Adjustments/PL670_BL695Wi/remote_control_aspect_pl6
85w_bl695wi.jpg

The shape and size of the displayed image changes, and the name of the aspect ratio appears briefly on the screen.

3. To cycle through the available aspect ratios for your input signal, press the **Aspect** button repeatedly.

Parent topic: Image Aspect Ratio

Available Image Aspect Ratios

You can select the following image aspect ratios, depending on the input signal from your image source.

Note: Black bands and cropped images may project in certain aspect ratios, depending on the aspect ratio and resolution of your input signal.

Aspect ratio setting	Description
Auto	Automatically sets the aspect ratio according to the input signal and the **Resolution** setting.

Aspect ratio setting	Description
Normal	Displays images using the full projection area and maintains the aspect ratio of the image.
16:9	Converts the aspect ratio of the image to 16:9.
Full	Displays images using the full width of the projection area, but does not maintain the aspect ratio.
Zoom	Displays images using the full width of the projection area and maintains the aspect ratio of the image.
Native	Displays images as is (aspect ratio and resolution are maintained).

Note: The **Auto** aspect ratio setting is available only for HDMI image sources.

Parent topic: Image Aspect Ratio

DCMS/Publications/Projectors/Source/Basic_Use/Concepts/color_mode.xml

Color Mode

The projector offers different Color Modes to provide optimum brightness, contrast, and color for a variety of viewing environments and image types. You can select a mode designed to match your image and environment, or experiment with the available modes.

If you always want to use a particular color mode for a certain video input source, you can select it using the projector menus.

Changing the Color Mode
Available Color Modes
Turning On Auto Iris

Parent topic: Using Basic Projector Features

DCMS/Publications/Projectors/Source/Basic_Use/Tasks/color_mode_changing.xml

Changing the Color Mode

You can change the projector's Color Mode using the remote control to optimize the image for your viewing environment.

1. Turn on the projector and switch to the image source you want to use.

2. If you are projecting from a DVD player or other video source, insert a disc or other video media and press the play button, if necessary.

3. Press the **Color Mode** button on the remote control to change the Color Mode.

/DCMS/Publications/Projectors/Source/Images/Adjustments/PL670_BL695Wi/remote_control_colormode_pl685w_bl695wi.jpg

The image appearance changes and the name of the Color Mode appears briefly on the screen.

4. To cycle through all the available Color Modes for your input signal, press the **Color Mode** button repeatedly.

Parent topic: Color Mode

DCMS/Publications/Projectors/Source/Basic_Use/Reference/PL670_BL695Wi/color_modes_available_pl670_bl695wi.xml

Available Color Modes

You can set the projector to use these Color Modes, depending on the input source you are using:

Color Mode	Description
Presentation	Best for color presentations in a bright room
Dynamic	Best for video games in a bright room
Cinema	Best for movies projected in a dark room
sRGB	Best for standard sRGB computer displays
Blackboard	Best for presentations onto a green chalkboard (adjusts the colors accordingly)

Parent topic: Color Mode

Related references
Image Quality Settings - Image Menu

Turning On Auto Iris

In certain color modes, you can turn on the Auto Iris setting to automatically optimize the image based on the brightness of the content you project.

1. Turn on the projector and switch to the image source you want to use.

2. Press the **Menu** button.

3. Select the **Image** menu and press **Enter**.

/DCMS/Publications/Projectors/Source/Images/Menus/PL670_685W/menu_image_pl685w.jpg

Image	Return
Signal	Color Mode Dynamic
	Brightness 0
	Contrast 0
Settings	Color Saturation 0
	Tint 0
Extended	Sharpness 0
	Color Temp.
Network	Image Enhancement
	Advanced
ECO	Auto Iris Off
	Reset
Info	
Reset	
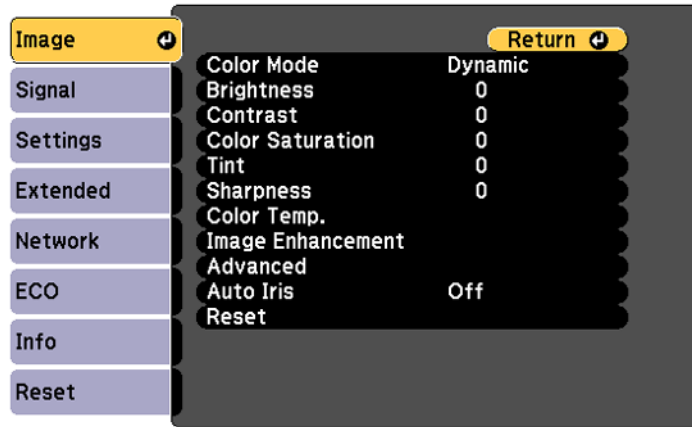
4. Select the **Auto Iris** setting and choose one of the following:

   - **High Speed** to adjust brightness as soon as the scene changes.

   - **Normal** for standard brightness adjustment.

   Note: You can set **Auto Iris** for each Color Mode that supports the feature. You cannot change the **Auto Iris** setting when you are using a **Closed Caption** setting.

5. Press **Menu** or **Esc** to exit the menus.

Parent topic: Color Mode

Controlling the Volume with the Volume Buttons

You can use the **Volume** buttons on the remote control to adjust the volume as you project a presentation with audio. The volume buttons control the projector's internal speaker system or any external speakers you connected to the projector.

You must adjust the volume separately for each connected input source.

1. Turn on the projector and start a presentation that includes audio.

2. To lower or raise the volume, press the **Volume** buttons on the remote control.

/DCMS/Publications/Projectors/Source/Images/Adjustments/PL670_BL695Wi/remote_control_volume_buttons_pl685w_bl695wi.jpg

A volume gauge appears on the screen.

3. To set the volume to a specific level for an input source, use the projector menus.

Parent topic: Using Basic Projector Features

Related references

Projector Feature Settings - Settings Menu

Projecting a PC Free Presentation

You can use your projector's PC Free feature whenever you connect a USB device that contains compatible files. This lets you quickly and easily display the contents of the files and control their display using the projector's remote control.

Supported PC Free File Types
Starting a PC Free Slide Show
Starting a PC Free Movie Presentation
PC Free Display Options

Parent topic: Using Basic Projector Features

Related tasks

Connecting a USB Device or Camera to the Projector

Supported PC Free File Types

You can project these types of files using the projector's PC Free feature.

Note: For best results, place your files on media that is formatted in FAT16/32. If you have trouble projecting from media formatted for non-Windows file systems, try formatting the media for Windows instead. You may not be able to use the security features on certain USB storage devices with PC Free features. When connecting a USB-compatible hard drive, connect the AC adapter supplied with the drive.

File type and extension	Details
Image (.jpg)	Make sure the file is not: • CMYK format • Progressive format • Highly compressed • Above 8192 × 8192 resolution
Image (.bmp)	Make sure the file resolution is not above 1280 × 800
Image (.gif)	Make sure the file is not: • Above 1280 × 800 resolution • Animated
Image (.png)	Make sure the file resolution is not above 1280 × 800
Movie (.avi)	Make sure the file is not: • Saved with an audio codec other than PCM or ADPCM • Above 1280 × 720 resolution • Larger than 2GB

Parent topic: Projecting a PC Free Presentation

Starting a PC Free Slide Show

After connecting a USB device or digital camera to the projector, you can switch to the USB input source and start your slide show.

Note: You can change the PC Free operation options or add special effects by highlighting **Option** at the bottom of the screen and pressing **Enter**.

Note: You can also use the interactive pen or your finger (BrightLink 695Wi+) to operate the slide show.

1. Press the **USB** button on the projector remote control.

   The PC Free screen appears.

   /DCMS/Publications/Projectors/Source/Images/Miscellaneous/PCFreemovie.jpg

2. Do the following as necessary to locate your files:

   • If you need to display files inside a subfolder on your device, press the arrow buttons to highlight the folder and press the **Enter** button.

   • To move back up a folder level on your device, highlight **Back to Top** and press **Enter**.

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- To view additional files in a folder, highlight **Next page** or **Previous page** and press **Enter**. (You can also press the **Page** up or down buttons on the remote control.)

3. Do one of the following:

   - To display an individual image, press the arrow buttons to highlight the image and press **Enter**. (Press the **Esc** button to return to the file list screen.)

   - To display a slide show of all the images in a folder, press the arrow buttons to highlight the **Slideshow** option at the bottom of the screen and press **Enter**.

   Note: If any file names are longer than 8 characters or include unsupported symbols, the file names may be shortened or changed only in the screen display.

4. While projecting, use the following commands to control the display as necessary:

   - To rotate a displayed image, press the up or down arrow button. You can also rotate the image by flicking it with the interactive pen or your finger.

   - To move to the next or previous image, press the left or right arrow button. You can also move between images by flicking the image with the interactive pen or your finger.

5. To stop the display, follow the on-screen instructions or press the **Esc** button.

Parent topic: Projecting a PC Free Presentation

DCMS/Publications/Projectors/Source/PCFree/Tasks/projecting_movie_files_pcfree.xml

Starting a PC Free Movie Presentation

After connecting a USB device or digital camera to the projector, you can switch to the USB input source and start your movie.

Note: You can change the PC Free operation options by highlighting **Option** at the bottom of the screen and pressing **Enter**.

1. Press the **USB** button on the projector remote control.

The PC Free screen appears.

/DCMS/Publications/Projectors/Source/Images/Miscellaneous/PCFreemovie.jpg

2. Do the following as necessary to locate your files:

- If you need to display files inside a subfolder on your device, press the arrow buttons to highlight the folder and press the **Enter** button.

- To move back up a folder level on your device, highlight **Back to Top** and press **Enter**.

- To view additional files in a folder, highlight **Next page** or **Previous page** and press **Enter**.

3. To play back a movie, press the arrow buttons to highlight the file and press **Enter**.

   Note: If any file names are longer than 8 characters or include unsupported symbols, the file names may be shortened or changed only in the screen display. If you want to play back all the movies in a folder in sequence, select the **Slideshow** option at the bottom of the screen.

4. To stop movie playback, press the **Esc** button, highlight **Exit**, and press **Enter**.

Parent topic: Projecting a PC Free Presentation

PC Free Display Options

You can select these display options when using the projector's PC Free feature.

/DCMS/Publications/Projectors/Source/Images/Miscellaneous/slideshow_options_screen_typeab.jpg
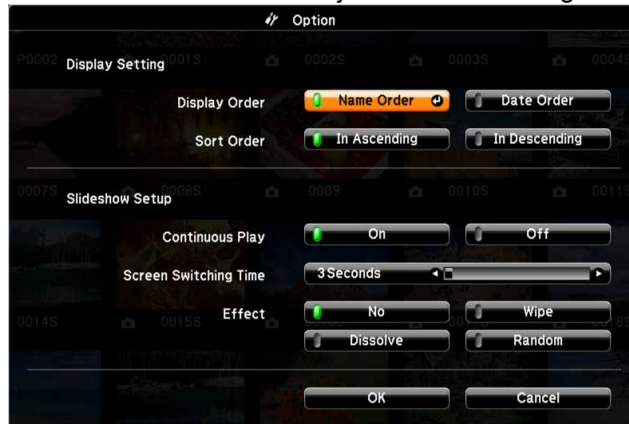
Setting	Options	Description
Display Order	Name Order	Displays files in name order
	Date Order	Displays files in date order
Sort Order	In Ascending	Sorts files in first-to-last order
	In Descending	Sorts files in last-to-first order
Continuous Play	On	Displays a slide show continuously
	Off	Displays a slide show one time through
Screen Switching Time	No	Does not display the next file automatically
	1 Second to 60 Seconds	Displays files for the selected time and switches to the next file automatically; high resolution images may switch at a slightly slower rate

Setting	Options	Description
Effect	**Wipe**	Transitions between images with a wipe effect
	Dissolve	Transitions between images with a dissolve effect
	Random	Transitions between images using a random variety of effects

Parent topic: Projecting a PC Free Presentation

Adjusting Projector Features

Follow the instructions in these sections to use your projector's feature adjustments.

Projecting Two Images Simultaneously

Using Multiple Projectors (DuoLink)

Shutting Off the Picture and Sound Temporarily

Stopping Video Action Temporarily

Zooming Into and Out of Images

Projector Security Features

Creating a User Pattern to Display

Copying Menu Settings Between Projectors

Projecting Two Images Simultaneously

You can use the split screen feature to simultaneously project two images from different image sources next to each other. You can control the split screen feature using the remote control, the projector menus, or the interactive function.

/DCMS/Publications/Projectors/Source/Images/Adjustments/PL1780W_1795F/adjustments_split_screen_pl1780w_1795f.jpg
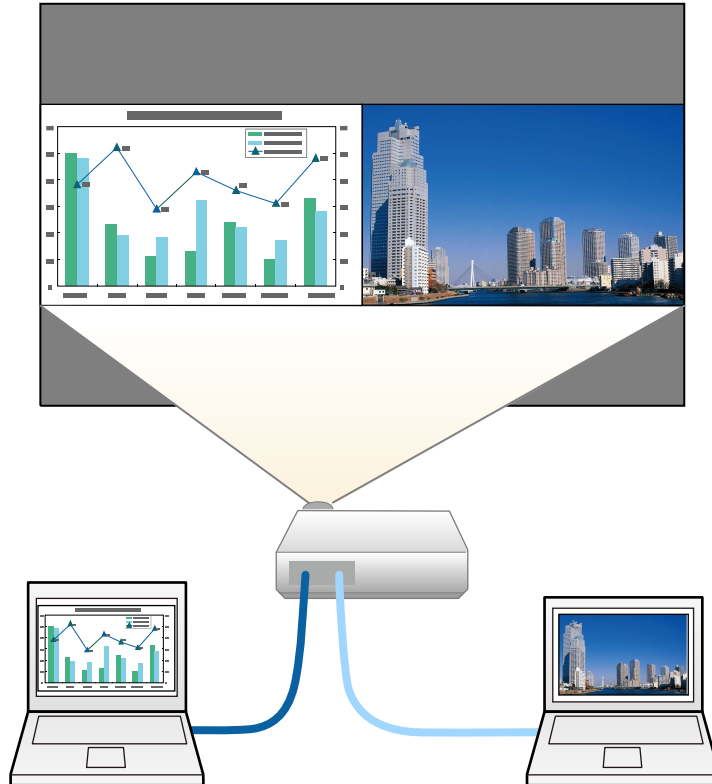
Note: While you use the split screen feature, other projector features may not be available and some settings may be automatically applied to both images.

Note: You cannot project from the same input source onto both sides (left and right) of the screen. You also cannot use split screen with certain input source combinations.

1. Press the **Split** button on the remote control.

/DCMS/Publications/Projectors/Source/Images/Adjustments/PL670_BL695Wi/remote_control_split_pl685w_bl695wi.jpg
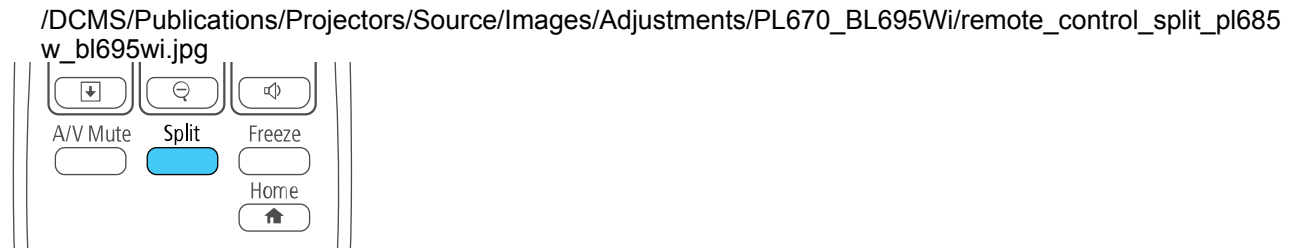
The currently selected input source moves to the left side of the screen.

2. Press the **Menu** button.

   You see this screen:

/DCMS/Publications/Projectors/Source/Images/Menus/PL670_685W/menu_split_bl695wi.jpg
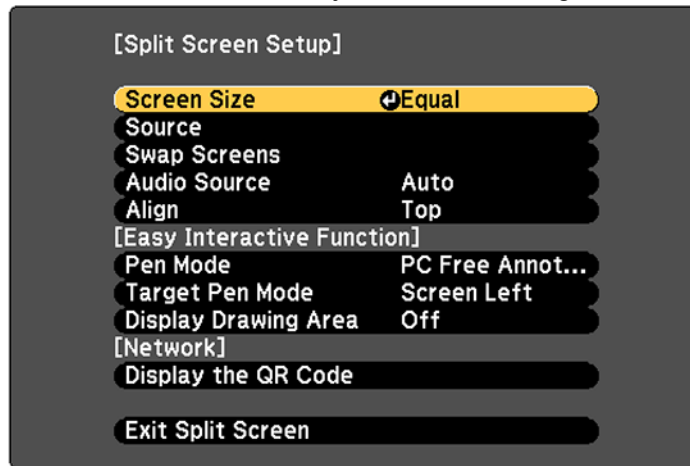
3. To select an input source for the other image, select the **Source** setting, press **Enter**, select the input source, select **Execute**, and press **Enter**. (You can also change image sources, if necessary.)
4. To switch the images, select the **Swap Screens** setting and press **Enter**.

5. To change the image sizes, select the **Screen Size** setting, press **Enter**, select a sizing option, press **Enter**, and press **Menu** to exit.

   Note: Depending on the video input signals, the images may not appear at the same size even if you choose the **Equal** setting.

6. To choose the audio you want to hear, select the **Audio Source** setting, press **Enter**, select an audio option, press **Enter**, and press **Menu** to exit.

7. To exit the split screen feature, press the **Split** or **Esc** button.

Input Sources for Split Screen Projection

Parent topic: Adjusting Projector Features

Related tasks

Splitting the Screen

DCMS/Publications/Projectors/Source/Adjustments/Reference/PL670_BL695Wi/split_screen_combinations_pl685w.xml

Input Sources for Split Screen Projection

You can choose from the input source combinations listed here for split screen projection.

Left Screen	Right Screen								
	HDMI1/ MHL	HDMI2	HDMI3	Computer1	Computer2	Video	USB Display	USB	LAN
HDMI1/MHL	—	✓	✓	✓	✓	✓	✓	✓	✓
HDMI2	✓	—	✓	✓	✓	✓	✓	✓	✓
HDMI3	✓	✓	—	✓	✓	✓	✓	✓	✓
Computer1	✓	✓	✓	—	—	—	✓	✓	✓
Computer2	✓	✓	✓	—	—	—	✓	✓	✓
Video	✓	✓	✓	—	—	—	✓	✓	✓
USB Display	✓	✓	✓	✓	✓	✓	—	—	—
USB	✓	✓	✓	✓	✓	✓	—	—	—
LAN	✓	✓	✓	✓	✓	✓	—	—	—

Parent topic: Projecting Two Images Simultaneously

Using Multiple Projectors (DuoLink)

You can combine the projected images from two or more projectors to create one large image. Follow the instructions in these sections to setup and project from multiple projectors.

Projector Identification System for Multiple Projector Control

Setting the Projector ID

Setting the Remote Control ID

Adjusting Color Uniformity

Adjusting the Lamp's Brightness

Matching the Image Colors

Adjusting RGBCMY

Parent topic: Adjusting Projector Features

Projector Identification System for Multiple Projector Control

You can operate multiple projectors using one remote control for more elaborate presentations. To do this, you assign an identification number to each projector and to the remote control. Then you can operate all the projectors at once or individually.

Note: In some cases, the brightness and color tone from different projectors may not match completely even after color correction. If the brightness and color tone differences become more noticeable over time, repeat the adjustments.

**Parent topic:** Using Multiple Projectors (DuoLink)

Setting the Projector ID

If you want to control multiple projectors from a remote control, give each projector a unique ID.

1. Press the **Menu** button.

2. Select the **Extended** menu and press **Enter**.

3. Select the **Multi-Projection** setting and press **Enter**.

4. Select **Projector ID** and press **Enter**.

/DCMS/Publications/Projectors/Source/Images/Adjustments/proj_id_menu.jpg

[Projector ID]   Return ↵

Off
1
2
3
4
5
6
7
8
9
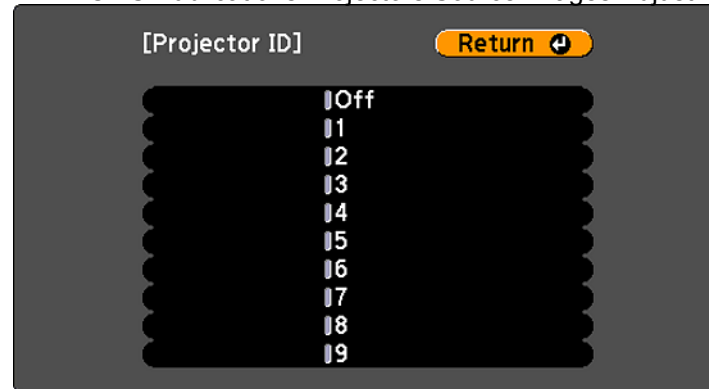
5. Press the arrow buttons on the remote control to select the identification number you want to use for the projector. Then press **Enter**.

Repeat these steps for all the other projectors you want to operate from one remote control.

Note: If you don't know the projector's ID, aim the remote control at the projector and press the **ID** button to temporarily display the projector's ID on the screen.

Parent topic: Using Multiple Projectors (DuoLink)

Related references

Projector Setup Settings - Extended Menu

DCMS/Publications/Projectors/Source/Adjustments/Tasks/Multi_Projector_Tasks/multi_projector_setting_remote_id. xml

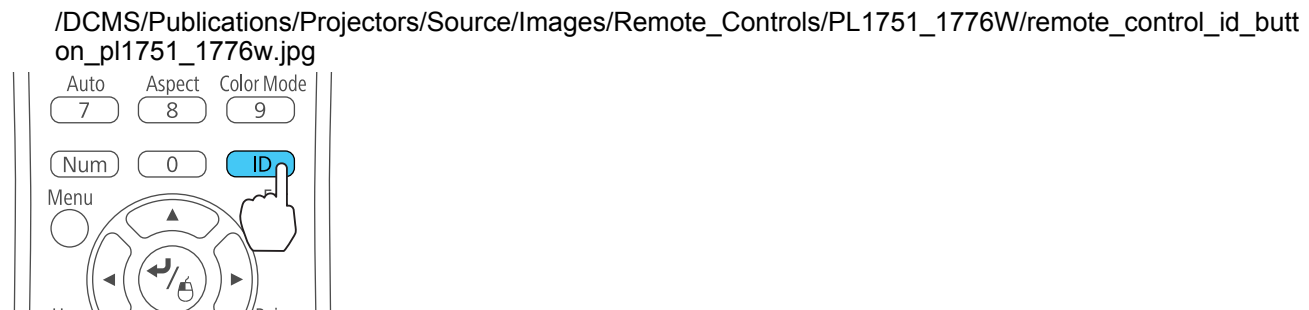# Setting the Remote Control ID

The remote control's ID is set to zero by default so it can operate any compatible projector. If you want to set the remote control to operate only a particular projector, you need to set the remote control's ID to match the projector's ID.

Note: You must set the remote control ID to match the projector ID each time you turn on the projector you have set it to control.

1. Turn on the projector you want the remote control to operate with exclusively.

2. Make sure you know the projector's ID number as set in the Extended menu **Projector ID** setting.

   Note: If you have forgotten the projector's ID, aim the remote control at the projector and press the **ID** button to temporarily display the projector's ID on the screen. If you turn off the **Projector ID** setting, the remote control will operate the projector regardless of the ID selected on the remote.

3. Aim the remote control at that projector.

4. Hold down the **ID** button on the remote control while you press the numeric button that matches the projector's ID. Then release the buttons.

   /DCMS/Publications/Projectors/Source/Images/Remote_Controls/PL1751_1776W/remote_control_id_butt on_pl1751_1776w.jpg

5. Press the **ID** button on the remote control to check if the ID-setting process worked.

   You see a message displayed by the projector.

   • If the remote control is listed as **On**, the remote control ID is set to operate only the listed projector.

   • If the remote control is listed as **Off**, the remote control ID is not set properly. Repeat the steps above to set the ID to match the projector you want to control.

   Parent topic: Using Multiple Projectors (DuoLink)

   Related references
   Projector Setup Settings - Extended Menu

DCMS/Publications/Projectors/Source/Adjustments/Tasks/Multi_Projector_Tasks/multi_projector_interactive_color_u niformity.xml
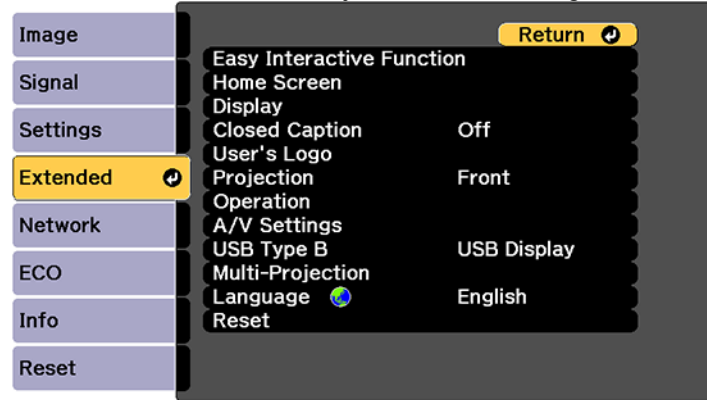# Adjusting Color Uniformity

If the color tone is uneven on each screen, adjust the color tone balance in the Extended menu of each projector. (The color tone may not be uniform even after performing color uniformity.)

Note: If you cannot adjust color uniformity, make sure the **Color Mode** setting is not set to **Dynamic**.
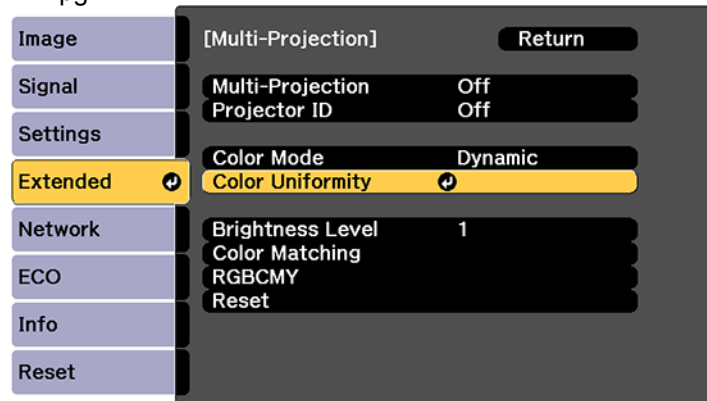
1. Press the **Menu** button on the remote or control panel, select the **Extended** menu, and press **Enter**.

    /DCMS/Publications/Projectors/Source/Images/Menus/BL696Ui/menu_extended_bl696ui.jpg

Image		
	Return	
Signal	Easy Interactive Function	
	Home Screen	
Settings	Display	
	Closed Caption	Off
Extended	User's Logo	
	Projection	Front
Network	Operation	
	A/V Settings	
ECO	USB Type B	USB Display
	Multi-Projection	
Info	Language 🌐	English
	Reset	
Reset		

2. Select the **Multi-Projection** setting and press **Enter**.
3. Select the **Color Uniformity** setting and press **Enter**.

    /DCMS/Publications/Projectors/Source/Images/Menus/BL696Ui/menu_extended_color_uniform_bl696ui.jpg

Image	[Multi-Projection]	Return
Signal	Multi-Projection	Off
	Projector ID	Off
Settings		
	Color Mode	Dynamic
Extended	Color Uniformity	
Network	Brightness Level	1
	Color Matching	
ECO	RGBCMY	
	Reset	
Info		
Reset		

4. Select **On** as the **Color Uniformity** setting and press **Enter**, then press **Esc**.

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5. Select **Adjustment Level** and press **Enter**.

6. Select an adjustment level and press **Esc**.

7. Select **Start Adjustments** and press **Enter**.

8. Select the area you want to adjust and press **Enter**.

/DCMS/Publications/Projectors/Source/Images/Menus/BL696Ui/menu_color_uniformity_bl696ui.jpg

[Color Uniformity]   Return

Top Left
Top
Top Right
Right
Bottom Right
Bottom
Bottom Left
Left
All

9. Select **Red**, **Green**, or **Blue** and press the left arrow button to weaken the color tone or the right arrow button to strengthen the color tone.

   Note: The adjustment screen changes each time you press **Enter**.

   /DCMS/Publications/Projectors/Source/Images/Menus/BL696Ui/menu_color_uniformity_adjust_bl696ui.jpg

   [Color Uniformity]   All   Return
   Adjustment Level
   Red   0
   Green   0
   Blue   0
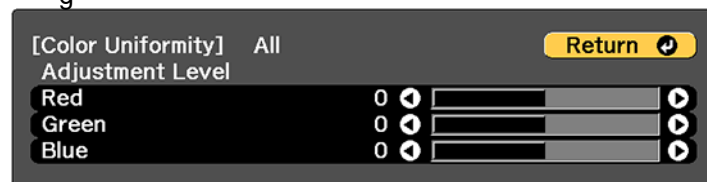
10. Press **Esc** to return to the area selection screen.

11. Repeat steps 8 through 10 for each area, then select **All** to adjust the entire screen.

12. Press **Esc** to exit the menus.

Parent topic: Using Multiple Projectors (DuoLink)
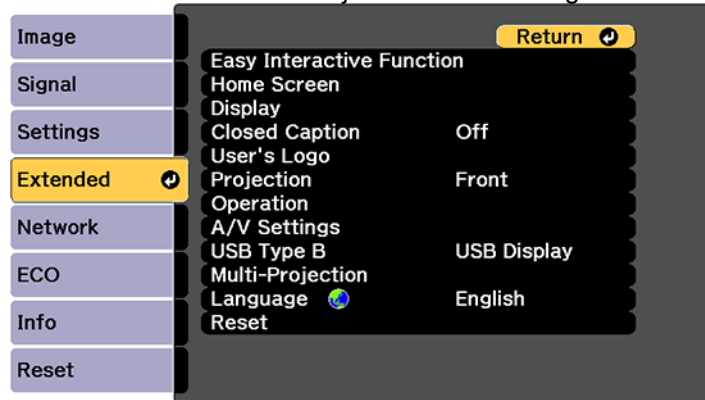
130

Related references

DCMS/Publications/Projectors/Source/Adjustments/Tasks/Multi_Projector_Tasks/multi_projector_interactive_brightn ess_adjust.xml

Adjusting the Lamp's Brightness

When projecting with multiple projectors, you must adjust the brightness setting so that all projectors are as bright as the darkest lamp. (Even after adjusting the brightness levels, the brightness of each lamp may not match exactly.)
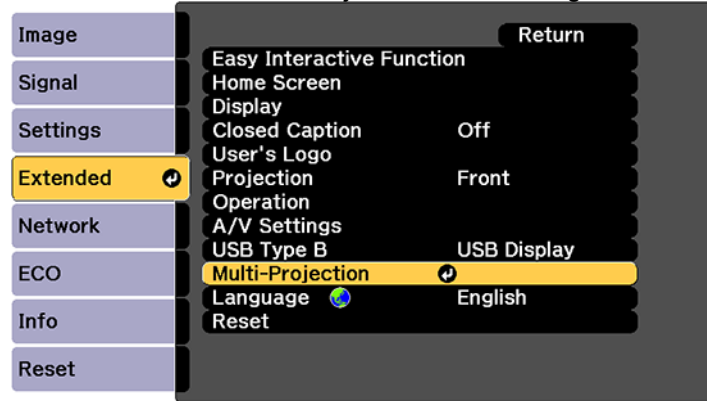
1. Turn on all the projectors and display the same image.

2. Press the **Menu** button.

3. Select the **ECO** menu and press **Enter**.

4. Select **Normal** for the **Power Consumption** setting and press **Esc**.

5. Select the **Extended** menu and press **Enter**.

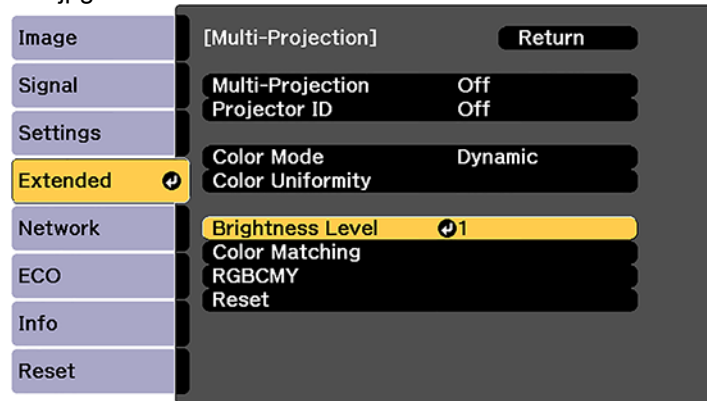/DCMS/Publications/Projectors/Source/Images/Menus/BL696Ui/menu_extended_bl696ui.jpg

6. Select the **Multi-Projection** setting and press **Enter**.

/DCMS/Publications/Projectors/Source/Images/Menus/BL696Ui/menu_extended_multiproject_bl696ui.jpg

Image		Return
	Easy Interactive Function	
Signal	Home Screen	
	Display	
Settings	Closed Caption	Off
	User's Logo	
Extended ⦿	Projection	Front
	Operation	
Network	A/V Settings	
	USB Type B	USB Display
ECO	**Multi-Projection** ⦿	
	Language 🌐	English
Info	Reset	
Reset		

7. Select the **Brightness Level** setting and press **Enter**.

/DCMS/Publications/Projectors/Source/Images/Menus/BL696Ui/menu_extended_mp_brightness_bl696ui.jpg

Image	[Multi-Projection]	Return
Signal	Multi-Projection	Off
	Projector ID	Off
Settings		
	Color Mode	Dynamic
Extended ⦿	Color Uniformity	
Network	**Brightness Level** ⦿1	
	Color Matching	
ECO	RGBCMY	
	Reset	
Info		
Reset		

8. Select a brightness level and press **Enter**.

9. Press **Esc** to return to the previous screen.

Parent topic: Using Multiple Projectors (DuoLink)
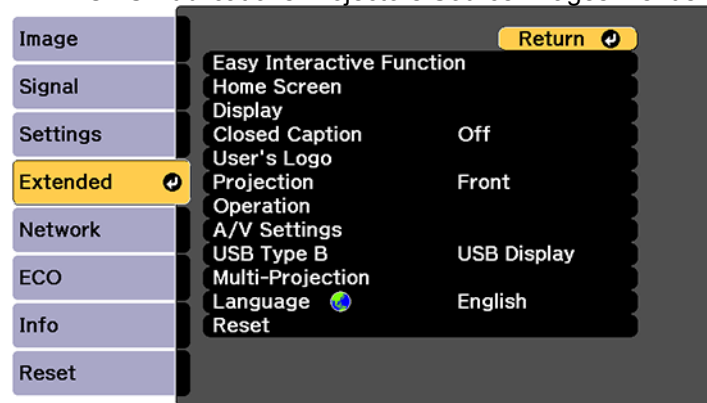
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Related references

DCMS/Publications/Projectors/Source/Adjustments/Tasks/Multi_Projector_Tasks/multi_projector_matching_colors_ manually_bl696ui.xml

Matching the Image Colors

You can match the display quality of multiple projectors that will project next to one another.
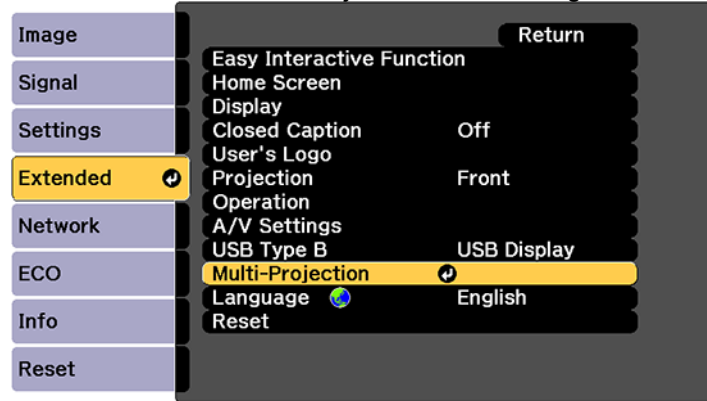
1. Press the **Menu** button.

2. Select the **Extended** menu and press **Enter**.

/DCMS/Publications/Projectors/Source/Images/Menus/BL696Ui/menu_extended_bl696ui.jpg

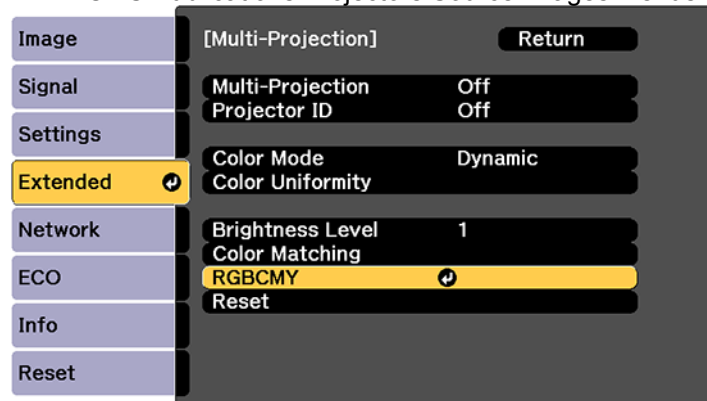| Image		Return ↵
Signal	Easy Interactive Function	
	Home Screen	
Settings	Display	
	Closed Caption	Off
Extended ↵	User's Logo	
	Projection	Front
Network	Operation	
	A/V Settings	
ECO	USB Type B	USB Display
	Multi-Projection	
Info	Language 🌐	English
	Reset	
Reset		

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3. Select the **Multi-Projection** setting and press **Enter**.

/DCMS/Publications/Projectors/Source/Images/Menus/BL696Ui/menu_extended_multiproject_bl696ui.jpg

Image		Return
	Easy Interactive Function	
Signal	Home Screen	
	Display	
Settings	Closed Caption	Off
	User's Logo	
Extended	Projection	Front
	Operation	
Network	A/V Settings	
	USB Type B	USB Display
ECO	Multi-Projection	
	Language	English
Info	Reset	
Reset		

4. Select the **Color Matching** setting and press **Enter**.

5. Select the **Adjustment Level** setting and press **Enter**.

   You see this screen:

/DCMS/Publications/Projectors/Source/Images/Menus/PL1000U_1505U/menu_color_matching_pl1000u_1500u.jpg

[Color Matching]		Return
Adjustment Level	0	
Red	0	
Green	0	
Blue	0	
Brightness		− +

6. Press the left or right arrow buttons to select a value for the **Adjustment Level** setting.

   Note: There are six adjustment levels ranging from white to black and you can adjust each level individually.

7. Press the left or right arrow buttons to adjust the color tone for the **Red**, **Green**, and **Blue** settings.

8. Press the left or right arrow buttons to adjust the **Brightness** setting.

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9. Repeat the previous three steps as necessary to adjust each adjustment level.

Parent topic: Using Multiple Projectors (DuoLink)

Related references

Projector Setup Settings - Extended Menu

DCMS/Publications/Projectors/Source/Adjustments/Tasks/Multi_Projector_Tasks/multi_projector_interactive_adjusti ng_rgbcmy_bl696ui.xml

Adjusting RGBCMY

You can adjust the **Hue**, **Saturation**, and **Brightness** settings for R (red), G (green), B (blue), C (cyan), M (magenta), and Y (yellow) color components.

Turn on all the projectors and select the RGBCMY setting in each projector's Extended menu so that the color tone on the combined screen becomes entirely even.

1. Press the **Menu** button.

2. Select the **Extended** menu and press **Enter**.

/DCMS/Publications/Projectors/Source/Images/Menus/BL696Ui/menu_extended_bl696ui.jpg

Image	Return ↵
	Easy Interactive Function
Signal	Home Screen
	Display
Settings	Closed Caption Off
	User's Logo
Extended ↵	Projection Front
	Operation
Network	A/V Settings
	USB Type B USB Display
ECO	Multi-Projection
	Language 🌐 English
Info	Reset
Reset	

3. Select the **Multi-Projection** setting and press **Enter**.

/DCMS/Publications/Projectors/Source/Images/Menus/BL696Ui/menu_extended_multiproject_bl696ui.jpg

Image		Return
Signal	Easy Interactive Function	
	Home Screen	
	Display	
Settings	Closed Caption	Off
	User's Logo	
Extended	Projection	Front
	Operation	
Network	A/V Settings	
	USB Type B	USB Display
ECO	Multi-Projection	
	Language	English
Info	Reset	
Reset		
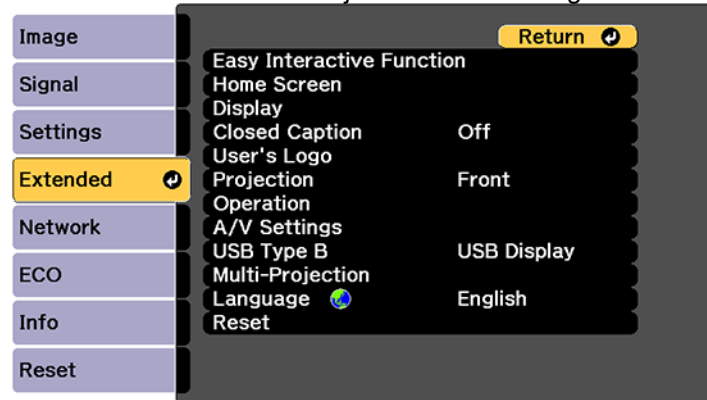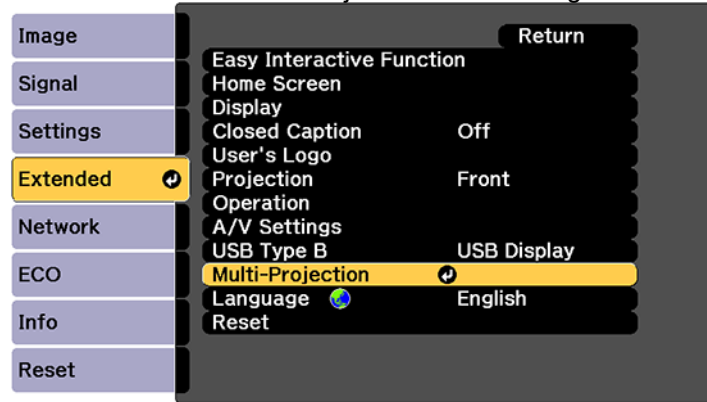
4. Select the **RGBCMY** setting and press **Enter**.

/DCMS/Publications/Projectors/Source/Images/Menus/BL696Ui/menu_extended_mp_rgbcmy_bl696ui.jpg

Image	[Multi-Projection]	Return
Signal	Multi-Projection	Off
	Projector ID	Off
Settings		
	Color Mode	Dynamic
Extended	Color Uniformity	
Network	Brightness Level	1
	Color Matching	
ECO	RGBCMY	
	Reset	
Info		
Reset		

5. Select the color you want to adjust and press **Enter**.

You see this screen:

/DCMS/Publications/Projectors/Source/Images/Menus/BL696Ui/menu_rgbcmy_hsb_bl696ui.jpg
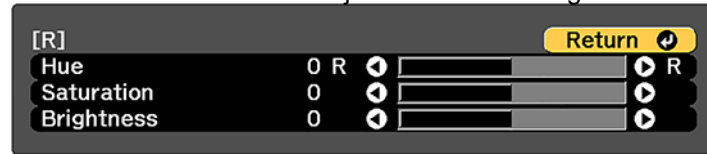
- To adjust the overall hue of the color, adjust the **Hue** setting.
- To adjust the overall vividness of the color, adjust the **Saturation** setting.
- To adjust the overall brightness of the color, adjust the **Brightness** setting.

6. Press the left or right arrow buttons to adjust the **Hue**, **Saturation**, and **Brightness** settings.

7. Repeat the previous three steps as necessary to adjust each color.

8. Press **Menu** or **Esc** to exit the menus.

Parent topic: Using Multiple Projectors (DuoLink)

Related references
Projector Setup Settings - Extended Menu

DCMS/Publications/Projectors/Source/Adjustments/Tasks/av_mute_using_sound_no_sliding_lens_cover.xml
Shutting Off the Picture and Sound Temporarily

You can temporarily turn off the projected picture and sound if you want to redirect your audience's attention during a presentation. Any sound or video action continues to run, however, so you cannot resume projection at the point that you stopped it.

If you want to display an image such as a company logo or picture when the presentation is stopped, you can set up this feature using the projector's menus.

1. Press the **A/V Mute** button on the remote control to temporarily stop projection and mute any sound.
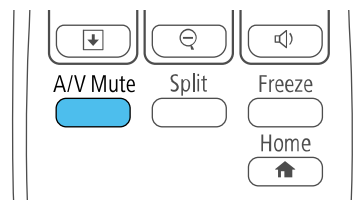
2. To turn the picture and sound back on, press **A/V Mute** again.

Parent topic: Adjusting Projector Features

DCMS/Publications/Projectors/Source/Adjustments/Tasks/freeze_using_sound.xml

Stopping Video Action Temporarily

You can temporarily stop the action in a video or computer presentation and keep the current image on the screen. Any sound or video action continues to run, however, so you cannot resume projection at the point that you stopped it.

Note: You can also stop video action using the interactive pens.

1. Press the **Freeze** button on the remote control to stop the video action.

/DCMS/Publications/Projectors/Source/Images/Adjustments/PL670_BL695Wi/remote_control_freeze_pl685w_bl695wi.jpg

2. To restart the video action in progress, press **Freeze** again.

Parent topic: Adjusting Projector Features

Zooming Into and Out of Images

You can draw attention to parts of a presentation by zooming into a portion of the image and enlarging it on the screen.

/DCMS/Publications/Projectors/Source/Images/Adjustments/PL1000U_1505U/adjustments_example_ezoom_pl1000u_1500u.jpg
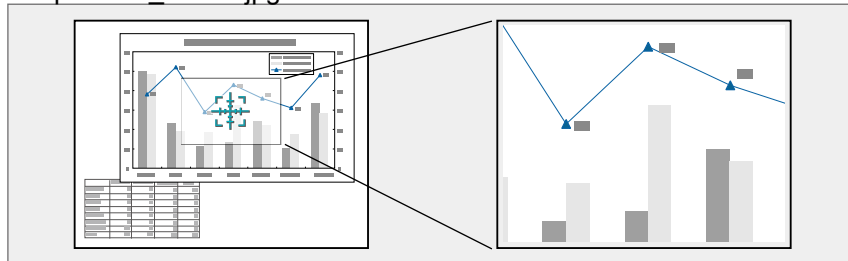
Note: You can also zoom into your image using the interactive pens.

1. Press the **E-Zoom +** button on the remote control.

/DCMS/Publications/Projectors/Source/Images/Adjustments/PL670_BL695Wi/remote_control_ezoom_pl685w_bl695wi.jpg
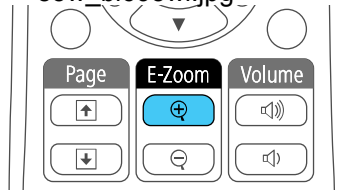
You see a crosshair on the screen indicating the center of the zoom area.

2. Use the following buttons on the remote control to adjust the zoomed image:

   • Use the arrow buttons to position the crosshair in the image area you want to zoom into.

   • Press the **E-Zoom +** button repeatedly to zoom into the image area, enlarging it as necessary. Press and hold the **E-Zoom +** button to zoom in more quickly.

   • To pan around the zoomed image area, use the arrow buttons.

   • To zoom out of the image, press the **E-Zoom –** button as necessary.

- To return to the original image size, press **Esc**.

Parent topic: Adjusting Projector Features

Projector Security Features

You can secure your projector to deter theft or prevent unintended use by setting up the following security features:

- Password security to prevent the projector from being turned on, and prevent changes to the startup screen and other settings.

- Button lock security to block operation of the projector using the buttons on the control panel.

- Security cabling to physically cable the projector in place.

Password Security Types
Locking the Projector's Buttons
Installing a Security Cable

Parent topic: Adjusting Projector Features

Password Security Types

You can set up these types of password security using one shared password:

- **Power On Protection** password prevents anyone from using the projector without first entering a password.

- **User's Logo Protection** password prevents anyone from changing the custom screen the projector can display when it turns on or when you use the A/V Mute feature. The presence of the custom screen discourages theft by identifying the projector's owner.

- **Network Protection** password prevents anyone from changing the network settings in the projector menus.

Setting a Password
Selecting Password Security Types
Entering a Password to Use the Projector
Saving a User's Logo Image to Display

Parent topic: Projector Security Features

Setting a Password

To use password security, you must set a password.

1. Hold down the **Freeze** button on the remote control for about five seconds or until you see this menu.

/DCMS/Publications/Projectors/Source/Images/Menus/PL585W_BL595Wi_Plus/password_protection_pl585w_bl595wi.jpg

[Password Protection]

Power On Protection   Off
User's Logo Protection   Off
Network Protection   Off
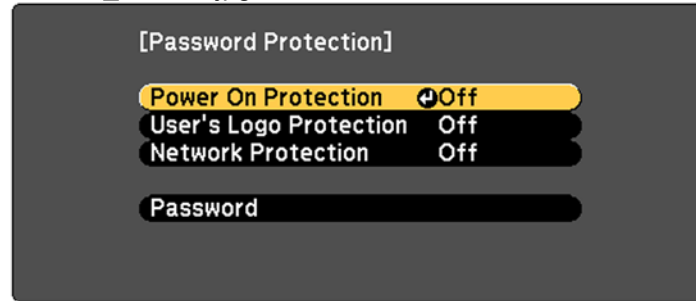
Password

2. Press the down arrow to select **Password** and press **Enter**.

You see the prompt "Change the password?".

3. Select **Yes** and press **Enter**.

4. Press and hold down the **Num** button on the remote control and use the numeric buttons to set a four-digit password.

/DCMS/Publications/Projectors/Source/Images/Adjustments/PL670_BL695Wi/remote_control_number_pl685w_bl695wi.jpg
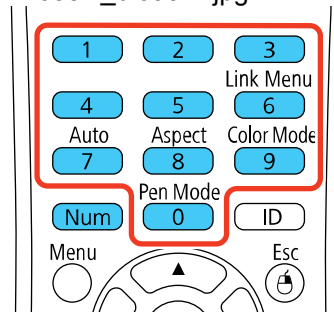
The password displays as **** as you enter it. Then you see the confirmation prompt.

5. Enter the password again.

    You see the message "Password accepted."

6. Press **Esc** to return to the menu.

7. Make a note of the password and keep it in a safe place in case you forget it.

Parent topic: Password Security Types

DCMS/Publications/Projectors/Source/Adjustments/Tasks/security_selecting_password_type_network.xml
Selecting Password Security Types

After setting a password, you see this menu, allowing you to select the password security types you want to use.

/DCMS/Publications/Projectors/Source/Images/Menus/PL585W_BL595Wi_Plus/password_protection_pl585w _bl595wi.jpg
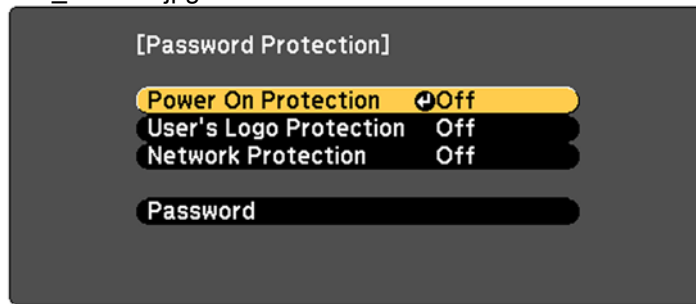
If you do not see this menu, hold down the **Freeze** button on the remote control for about five seconds or until the menu appears.

1. To prevent unauthorized use of the projector, select **Power On Protection**, press **Enter**, select **On**, press **Enter** again, and press **Esc**.

2. To prevent changes to the User's Logo screen or related display settings, select **User's Logo Protection**, press **Enter**, select **On**, press **Enter** again, and press **Esc**.

3. To prevent changes to network settings, select **Network Protection**, press **Enter**, select **On**, press **Enter** again, and press **Esc**.

You can attach the Password Protect sticker to the projector as an additional theft deterrent.

Note: Be sure to keep the remote control in a safe place; if you lose it, you will not be able to enter the password required to use the projector.

Parent topic: Password Security Types

Related references

Projector Feature Settings - Settings Menu

Projector Network Settings - Network Menu

Related tasks

Turning On the Projector

Saving a User's Logo Image to Display

DCMS/Publications/Projectors/Source/Adjustments/Tasks/security_entering_password.xml
Entering a Password to Use the Projector

If a password is set up and a **Power On Protection** password is enabled, you see a prompt to enter a password whenever you turn on the projector.

/DCMS/Publications/Projectors/Source/Images/Adjustments/password_enter_screen.jpg

```
[Password]

Enter the password.




See your documentation for more information.
```

`[0-9] :Enter`
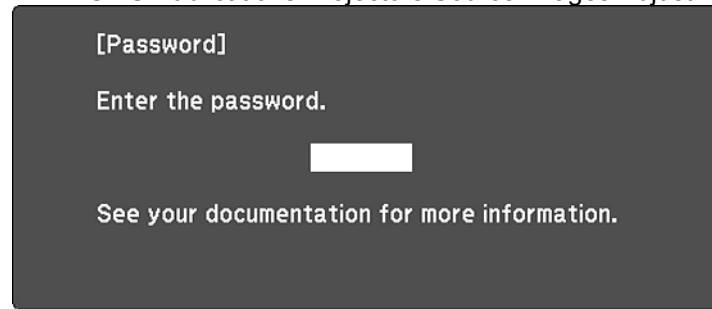
You must enter the correct password to use the projector.

1. Press and hold down the **Num** button on the remote control while you enter the password using the numeric buttons.

/DCMS/Publications/Projectors/Source/Images/Adjustments/PL670_BL695Wi/remote_control_number_pl
685w_bl695wi.jpg
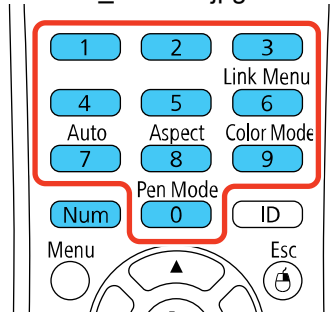
The password screen closes.

2. If the password is incorrect, the following may happen:

• You see a "wrong password" message and a prompt to try again. Enter the correct password to proceed.

• If you enter an incorrect password three times in succession, you see a message telling you that the projector is locked. After the message is displayed for 5 minutes, the projector enters standby mode. Unplug the projector, plug in the power cord, and turn on the projector. You see a prompt to enter the password.

• If you continue to enter an incorrect password many times in succession, the projector displays a request code and a message to contact Epson Support. Do not attempt to enter the password again. When you contact Epson Support, provide the displayed request code and proof of ownership for assistance in unlocking the projector.

Parent topic: Password Security Types

Related tasks

Selecting Password Security Types

DCMS/Publications/Projectors/Source/Adjustments/Tasks/security_creating_user_logo_screen.xml
Saving a User's Logo Image to Display

You can transfer an image to the projector and then display it whenever the projector turns on. You can also display the image when the projector is not receiving an input signal or when you temporarily stop projection (using the A/V Mute feature). This transferred image is called the User's Logo screen.

The image you select as the User's Logo can be a photo, graphic, or company logo, which is useful in identifying the projector's owner to help deter theft. You can prevent changes to the User's Logo by setting up password protection for it.

1. Display the image you want to project as the User's Logo.

2. Press the **Menu** button, select the **Extended** menu, and press **Enter**.

/DCMS/Publications/Projectors/Source/Images/Menus/BL695Wi/menu_extended_bl695wi.jpg
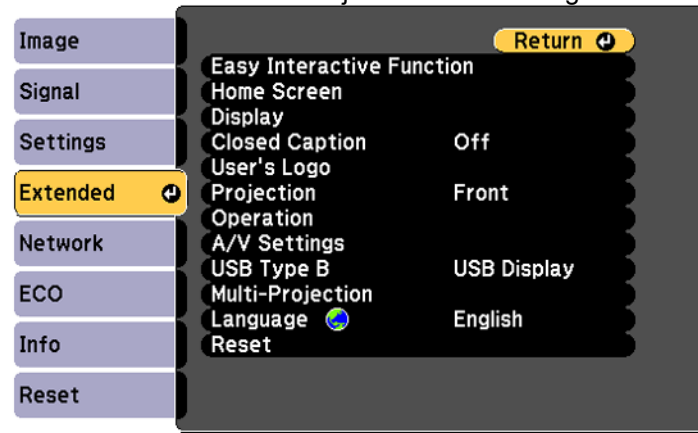
3. Select the **User's Logo** setting and press **Enter**.

   You see a prompt asking if you want to use the displayed image as a user's logo.

4. Select **Yes** and press **Enter**.

   You see a selection box overlaying your image.

5. Use the arrow buttons on the remote control to surround the image area you want to use as the User's Logo and press **Enter**.

   You see a prompt asking if you want to select this image area.

6. Select **Yes** and press **Enter**. (If you want to change the selected area, select **No**, press **Enter**, and repeat the last step.)

You see the User's Logo zoom factor menu.

/DCMS/Publications/Projectors/Source/Images/Adjustments/user_logo_zoom_screen.jpg

```
[User's Logo]

Set the zoom factor.

Zoom factor:


      ‖100%  ↵
      ‖200%
      ‖300%
```
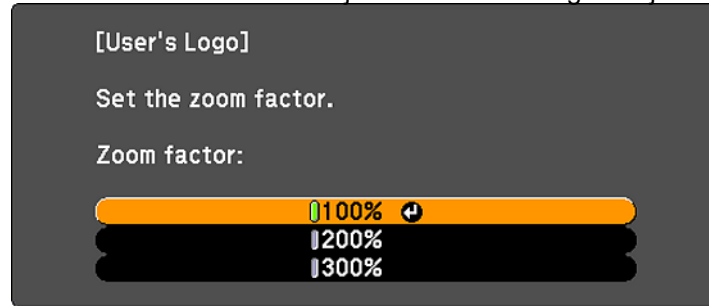
7. Select a zoom percentage and press **Enter**.

   You see a prompt asking if you want to save the image as the User's Logo.

8. Select **Yes** and press **Enter**.

   You see a completion message.

9. Press **Esc** to exit the message screen.

10. Select the **Extended** menu and press **Enter**.

11. Select **Display** and press **Enter**.

12. Select when you want to display the User's Logo screen:

    • To display it whenever there is no input signal, select **Display Background** and set it to **Logo**.

    • To display it whenever you turn the projector on, select **Startup Screen** and set it to **On**.

    • To display it whenever you press the **A/V Mute** button, select **A/V Mute** and set it to **Logo**.

To prevent anyone from changing the User's Logo settings without first entering a password, set a password and enable User's Logo security.

Parent topic: Password Security Types

Related tasks
Setting a Password

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Locking the Projector's Buttons

You can lock the buttons on the projector's control panel to prevent anyone from using the projector. You can lock all the buttons or all the buttons except the power button.

1. Press the **Menu** button.

2. Select the **Settings** menu and press **Enter**.

/DCMS/Publications/Projectors/Source/Images/Menus/PL670_685W/menu_settings_pl685w.jpg

Image	Return ⏎
	Geometry Correction H/V-Keystone
Signal	Split Screen
	Zoom
Settings ⏎	Image Shift
	Volume 0
Extended	HDMI Link
	Lock Setting
Network	Pointer Shape Pointer 1
	Mic Input Level 0
ECO	Remote Receiver Front/Rear
	User Button Power Consum...
Info	Pattern
	Installation Guide
Reset	Reset
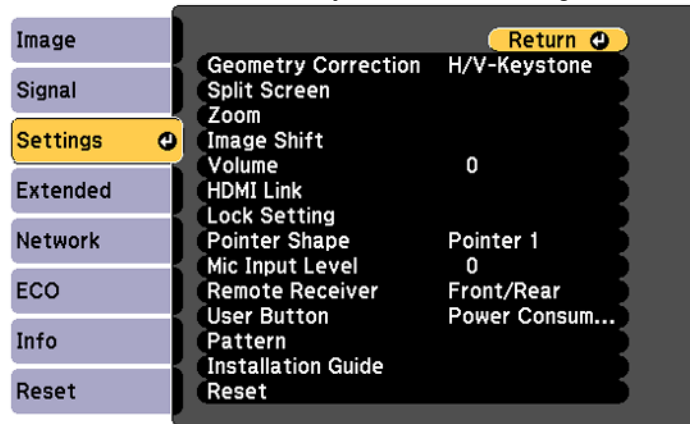
3. Select **Lock Setting** and press **Enter**.

4. Select the **Control Panel Lock** setting and press **Enter**.

5. Select one of these lock types and press **Enter**:

   - To lock all of the projector's buttons, select **Full Lock**.

   - To lock all buttons except the power button, select **Partial Lock**.

   You see a confirmation prompt.

6. Select **Yes** and press **Enter**.

Unlocking the Projector's Buttons

Parent topic: Projector Security Features

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Unlocking the Projector's Buttons

If the projector's buttons have been locked, hold the **Enter** button on the projector's control panel for seven seconds to unlock them.

Parent topic: Locking the Projector's Buttons

Installing a Security Cable

You can install two types of security cables on the projector to deter theft.

• Use the security slot on the projector to attach a Kensington lock. See your local computer or electronics dealer for purchase information.

• Use the security cable attachment point on the projector to attach a wire cable and secure it to a room fixture or heavy furniture.

/DCMS/Publications/Projectors/Source/Images/Adjustments/PL670_BL695Wi/security_point_pl685w_bl695wi.jpg
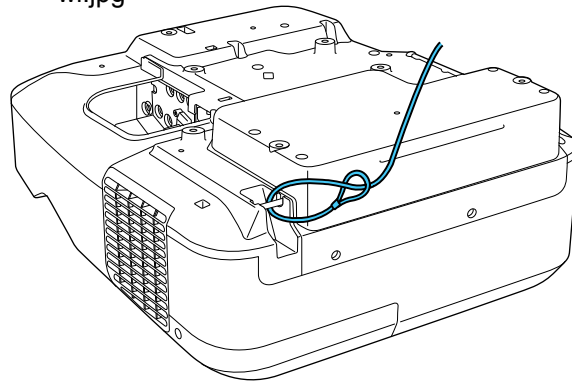
Note: Do not pass drop-prevention cables through the security cable attachment point when mounting the projector on a wall or ceiling.

Parent topic: Projector Security Features

Creating a User Pattern to Display

You can transfer an image to the projector and then display it as a pattern to aid in presentations when you use the Pattern Display feature. This transferred image is called the User Pattern.

Note: Once you save a user pattern, you cannot restore the default pattern.

1. Display the image you want to project as the User Pattern from a connected computer or video source.

2. Press the **Menu** button, select the **Settings** menu, and press **Enter**.

/DCMS/Publications/Projectors/Source/Images/Menus/PL670_685W/menu_settings_pl685w.jpg
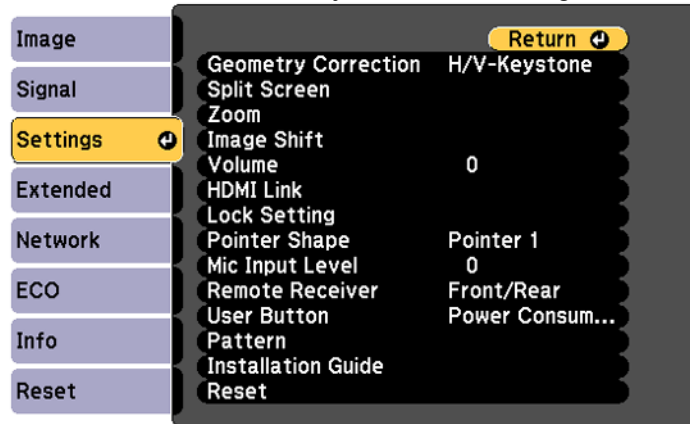
3. Select the **Pattern** setting and press **Enter**.

4. Select the **User Pattern** setting and press **Enter**.

   You see a prompt asking if you want to use the displayed image as a User Pattern.

5. Select **Yes** and press **Enter**.

   Note: It takes a few moments for the projector to save the image; do not use the projector, its remote control, or any connected equipment until it is finished.

   You see a completion message.

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6. Press **Esc** to exit the message screen.

Parent topic:

DCMS/Publications/Projectors/Source/Adjustments/Container_Topics/batch_settings_copy_container.xml

Copying Menu Settings Between Projectors

After you select menu settings for your projector, you can transfer them to another projector of the same model.

Note: Copy the projector's settings before you adjust the projected image using the projector's Geometry Correction settings. Any saved User's Logo setting on the projector will transfer to the other projector.

Caution: If the copy process fails due to a power failure, communication error, or for any other reason, Epson will not be responsible for any repair costs incurred.

The following settings will not transfer between projectors:

• Info menu items

• Network menu settings other than those in the Notifications and Others menus

Note: In addition to the methods covered this section, you can also copy and transfer settings to multiple projectors over a network using the EasyMP Network Updater software. See the *EasyMP Network Updater Operation Guide* for instructions. You can download the latest software and documentation from the Epson web site.

Parent topic:

DCMS/Publications/Projectors/Source/Adjustments/Tasks/batch_settings_save_usb.xml

Saving Settings to a USB Flash Drive

You can save the projector settings you want to transfer to a USB flash drive.

Note: Use an empty flash drive. If the drive contains other files, the transfer may not complete correctly. The flash drive must use the FAT format and cannot have any security features.

1. Turn off the projector and unplug the power cord from the projector's power inlet.

2. Insert the flash drive into the **USB-A** port.

/DCMS/Publications/Projectors/Source/Images/Connections/PL670_BL695Wi/connect_usb_quick_wireless_bl695w.jpg
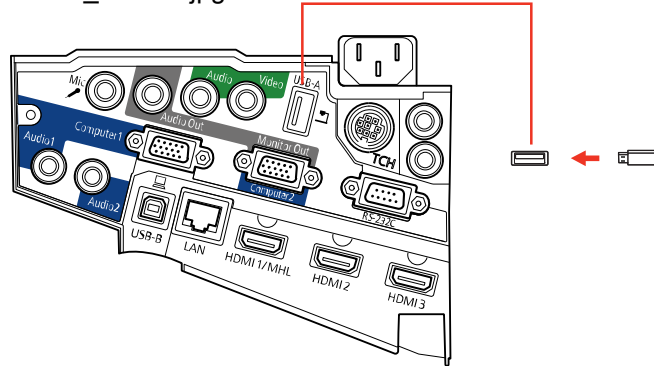
Note: Connect the flash drive directly to the projector. Do not use a hub or your settings may not be saved correctly.

3. Press and hold the **Esc** button on the control panel or remote control as you connect the power cord to the projector's power inlet.

4. When the power, Status, Lamp, and Temp lights turn on, release the **Esc** button.

   The lights flash to indicate that settings are transferring to the flash drive. When the lights stop flashing, the power light turns blue and the projector enters standby mode.

   Caution: Do not unplug the power cord or remove the flash drive while the lights are flashing. This could damage the projector.

5. Once the projector enters standby mode, remove the flash drive.

Parent topic: Copying Menu Settings Between Projectors

DCMS/Publications/Projectors/Source/Adjustments/Tasks/batch_settings_transfer_usb.xml

Transferring Settings from a USB Flash Drive

After saving projector settings to a USB flash drive, you can transfer them to another projector of the same model.

Note: Make sure the USB flash drive contains only a single settings transfer from another projector of the same model. The settings are contained in a file called **pjconfdata.bin**. If the drive contains other files, the transfer may not complete correctly.

Do not adjust image settings on a projector until after you transfer settings to it. Otherwise, you may have to repeat your adjustments.

1. Turn off the projector and unplug the power cord from the projector's power inlet.
2. Insert the flash drive into the **USB-A** port.

/DCMS/Publications/Projectors/Source/Images/Connections/PL670_BL695Wi/connect_usb_quick_wireless_bl695wi.jpg
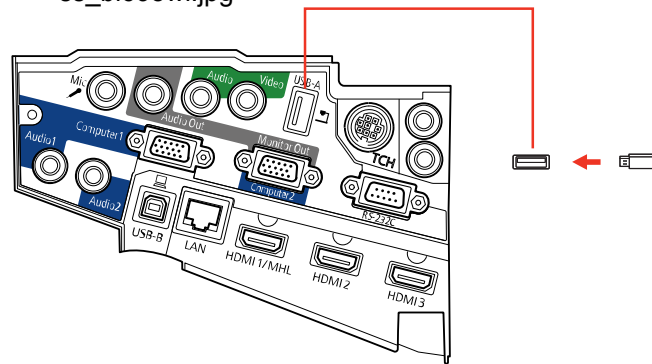
Note: Connect the flash drive directly to the projector. Do not use a hub or your settings may not be saved correctly.

3. Press and hold the **Menu** button on the control panel or remote control as you connect the power cord to the projector's power inlet.
4. When the power and Status lights turn blue and the Lamp and Temp lights turn orange, release the **Menu** button.

   The lights flash to indicate that settings are transferring to the projector. When the lights stop flashing, the power light turns blue and the projector enters standby mode.

   Caution: Do not unplug the power cord or remove the flash drive while the lights are flashing. This could damage the projector.

5. Once the projector enters standby mode, remove the flash drive.

DCMS/Publications/Projectors/Source/Adjustments/Tasks/batch_settings_save_computer.xml
Saving Settings to a Computer

You can save the projector settings you want to transfer to a computer.

Your computer must be running one of the following operating systems:

• Windows Vista

• Windows 7

• Windows 8.x

• Windows 10

• OS X 10.7.x

• OS X 10.8.x

• OS X 10.9.x

• OS X 10.10.x

• OS X 10.11.x

• macOS 10.12.x

1. Turn off the projector and unplug the power cord from the projector's power inlet.

2. Connect a USB cable to your projector's **USB-B** port.

/DCMS/Publications/Projectors/Source/Images/Connections/PL670_BL695Wi/connect_computer_usb_pl685w.jpg
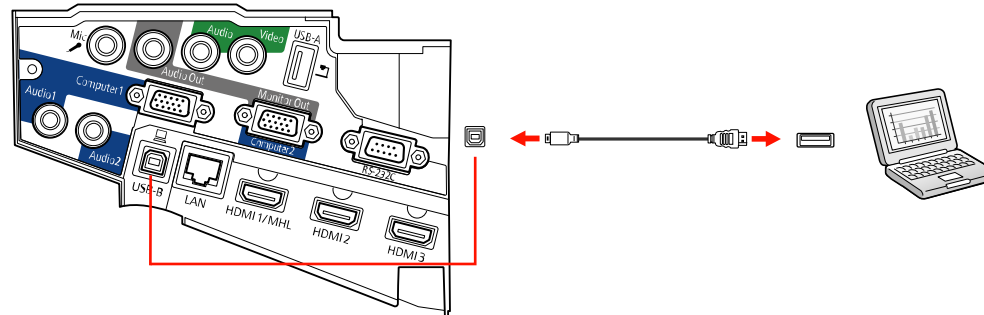
3. Connect the other end to any available USB port on your computer.

4. Press and hold the **Esc** button on the control panel or remote control as you connect the power cord to the projector's power inlet.

5. When the power, Status, Lamp, and Temp lights turn on, release the **Esc** button.

    The projector shows up as a removable disk on your computer.

6. Open the removable disk and copy the **pjconfdata.bin** file to your computer.

7. Once the file has copied, do one of the following:

    • **Windows:** Open the **My Computer**, **Computer**, or **Windows Explorer** utility. Right-click the name of your projector (listed as a removable disk) and select **Eject**.

    • **Mac:** Drag the removable disk icon for your projector from the desktop into the trash.

    The projector enters standby mode.

Parent topic: Copying Menu Settings Between Projectors

Transferring Settings from a Computer

After saving projector settings to a computer, you can transfer them to another projector of the same model.

Your computer must be running one of the following operating systems:

• Windows Vista

• Windows 7

• Windows 8.x

• Windows 10

• OS X 10.7.x

• OS X 10.8.x

• OS X 10.9.x

• OS X 10.10.x

• OS X 10.11.x

Do not adjust image settings on a projector until after you transfer settings to it. Otherwise, you may have to repeat your adjustments.

1. Turn off the projector and unplug the power cord from the projector's power inlet.

2. Connect a USB cable to your projector's **USB-B** port.

3. Connect the other end to any available USB port on your computer.

4. Press and hold the **Menu** button on the control panel or remote control as you connect the power cord to the projector's power inlet.

5. When the power, Status, Lamp, and Temp lights turn on, release the **Menu** button.

   The projector shows up as a removable disk on your computer.

6. Copy the **pjconfdata.bin** file from your computer to the removable disk.

   Note: Do not copy any other files to the removable disk.

7. Once the file has copied, do one of the following:

   • **Windows:** Open the **My Computer**, **Computer**, or **Windows Explorer** utility. Right-click the name of your projector (listed as a removable disk) and select **Eject**.

   • **Mac:** Drag the removable disk icon for your projector from the desktop into the trash.

   The power, Status, Lamp, and Temp lights start flashing to indicate that the projector's settings are being updated. When the lights stop flashing, the power light turns blue and the projector enters standby mode.

   Caution: Do not unplug the power cord while the lights are flashing. This could damage the projector.

Parent topic: Copying Menu Settings Between Projectors

Using the Interactive Features

Follow the instructions in these sections to use your projector's interactive features.

Interactive Modes
Using the Interactive Pens
Using Finger Touch Interactivity
Using BrightLink with a Computer
Windows Pen Input and Ink Tools
Using BrightLink Without a Computer

Interactive Modes

The BrightLink interactive features turn any wall into an interactive whiteboard, either with or without a computer. These interactive modes are available:

• In built-in whiteboard mode, you can use one or both interactive pens or your finger (BrightLink 695Wi+) to write on the projected "whiteboard". You can split the screen and interact with the whiteboard and another source. You can insert images from a USB drive and save or print your whiteboard without connecting a computer.

• In built-in annotation mode (PC Free Annotation), you can annotate over content projected from a computer, tablet, document camera, or other source. You can capture your annotated pages, and save or print them. You can even split the screen and annotate on two images at the same time, using one or both pens.

• In PC Interactive mode, you can use the interactive pen or your finger (BrightLink 695Wi+) as a mouse to navigate, select, and scroll through content from your computer. You can split the screen and interact with two projected images at the same time.

Note: You can also use the Easy Interactive Tools software to provide additional interactive features, such as saving your annotations and printing them. See the online *Easy Interactive Tools Operation Guide* for detailed instructions.

Using the Projected Screen as a Whiteboard (Built-in Whiteboard Mode)
Drawing on a Projected Image (Built-in Annotation Mode)
Controlling Computer Features from a Projected Screen (PC Interactive Mode)

Parent topic: Using the Interactive Features

Related concepts

Using BrightLink with a Computer

Using BrightLink Without a Computer

DCMS/Publications/Projectors/Source/Interactive/Tasks/whiteboard_mode_using_touch.xml

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 projector control toolbar on the bottom of the screen:

   /DCMS/Publications/Projectors/Source/Images/Interactive/BL695Wi_696Ui/interactive_whiteboard_mode
   _screen_bl695wi.jpg
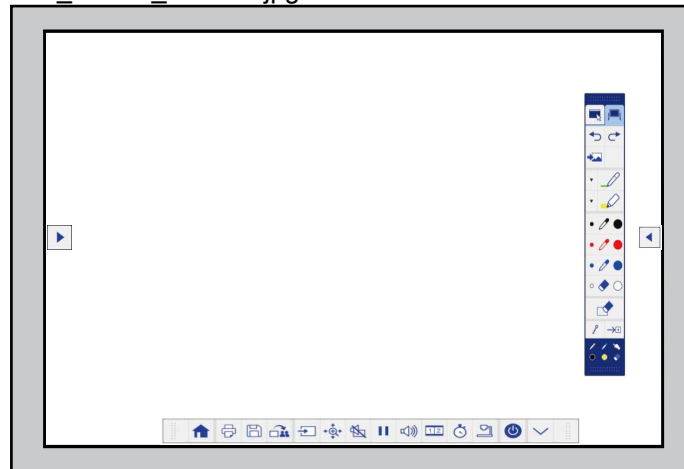
2. To move the main toolbar to the other side of the screen, tap the [◀] arrow on the opposite side of the screen.

    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] icon at the bottom of the toolbar.

4. To show or hide the projector control toolbar, select the [∨] or [∧] arrow.

    Note: You can also show or hide the projector control toolbar by setting the **Extended > Display > Projector Control** setting to **On** or **Off**.

    Parent topic: Interactive Modes

DCMS/Publications/Projectors/Source/Interactive/Tasks/annotation_mode_using_touch.xml
Drawing on a Projected Image (Built-in Annotation Mode)

You can project from a computer, tablet, video device, or other source and annotate over 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 [icon] built-in annotation mode icon on the toolbar.

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

/DCMS/Publications/Projectors/Source/Images/Interactive/BL695Wi_696Ui/annotation_mode_screen_bl695wi_bl696ui.jpg
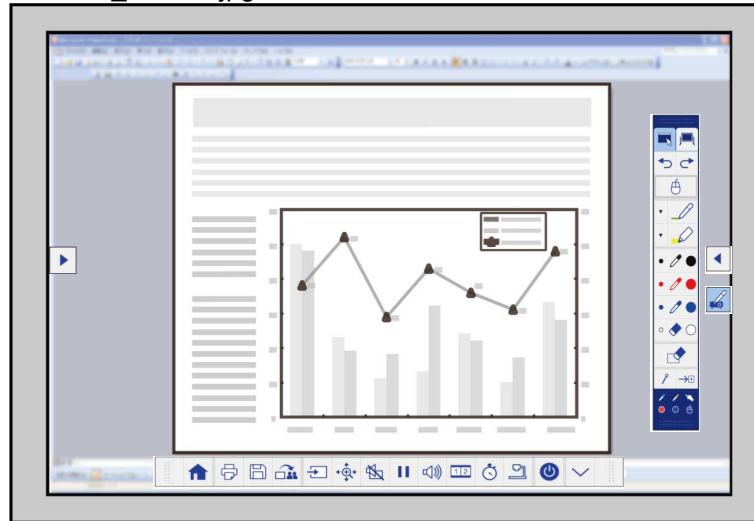
3. To move the main toolbar to the other side of the screen, tap the ◀ arrow on the opposite side of the screen.

   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.

5. 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.

6. To show or hide the projector control toolbar, select the ⌄ or ⌃ arrow.

   Note: You can also show or hide the projector control toolbar by setting the **Extended > Display > Projector Control** setting to **On** or **Off**.

   Parent topic: Interactive Modes

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

You can navigate, select, and interact with your computer programs from the projected screen using the interactive pens or your finger (BrightLink 695Wi+) just as you would a mouse.

Note: Mac users need to install the Easy Interactive Driver before using PC Interactive mode. Go to epson.com.jm/support and select your projector.

1. Connect the projector to your computer using a USB cable.
2. Turn on your projector and project your computer screen.

3. Press the **Menu** button on the remote control, select the **Extended** menu, and press the **Enter** button.

/DCMS/Publications/Projectors/Source/Images/Menus/BL695Wi/menu_extended_bl695wi.jpg

Image	Return ⏎
Signal	Easy Interactive Function
	Home Screen
Settings	Display
	Closed Caption Off
Extended ⏎	User's Logo
	Projection Front
Network	Operation
	A/V Settings
ECO	USB Type B USB Display
	Multi-Projection
Info	Language 🌐 English
	Reset
Reset	
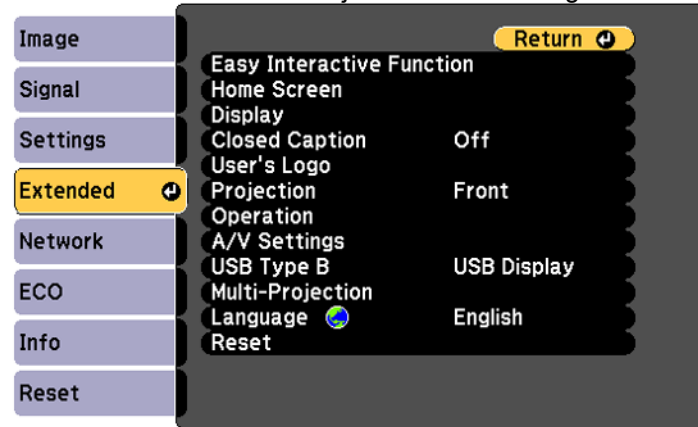
4. Select the **USB Type B** setting and press the **Enter** button.

/DCMS/Publications/Projectors/Source/Images/Menus/BL696Ui/menu_extended_usbtypeb_bl696ui.jpg

Image	Return
Signal	Easy Interactive Function
	Home Screen
Settings	Display
	Closed Caption Off
Extended ⏎	User's Logo
	Projection Front
Network	Operation
	A/V Settings
ECO	USB Type B ⏎USB Display
	Multi-Projection
Info	Language 🌐 English
	Reset
Reset	
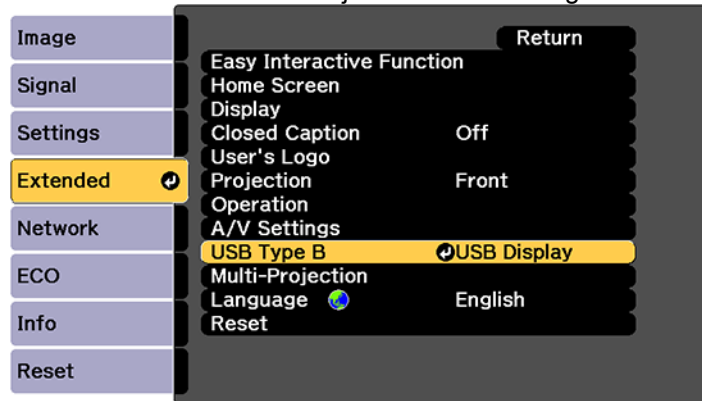
5. Select one of the following:

- **Easy Interactive Function** to use PC Interactive mode.
- **USB Display/Easy Interactive Function** to use PC Interactive mode and USB Display.

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- **Wireless Mouse/USB Display** to use the remote control as a mouse and USB Display.

6. Press the **Esc** button to exit the USB Type B menu.

7. Select the **Easy Interactive Function** setting and press the **Enter** button.

/DCMS/Publications/Projectors/Source/Images/Menus/BL695Wi/menu_extended_interactive_bl695wi.jpg

Image	[Easy Interactive Function] **Return** ⏎
Signal	[General]
	Auto Calibration
Settings	Manual Calibration
	Touch Unit Setup
Extended ⏎	Pen Mode PC Free Annot...
	Hovering Off
Network	Advanced
ECO	[PC Interactive]
	Pen Operation Mode Windows/Mac M...
Info	Enable Right Click Off
	Advanced
Reset	
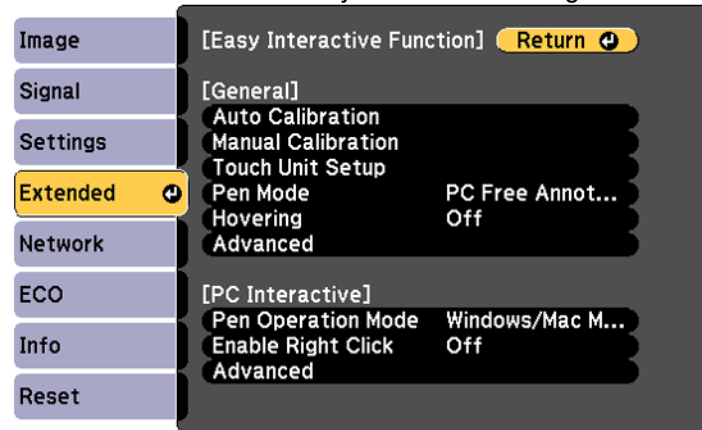
8. Select one of the following as the **Pen Operation Mode** depending on the operating system your computer is using:

- **Windows/Mac Mode**: Windows or Mac

- **Ubuntu Mode**: Ubuntu

9. Press the **Enter** button and press the **Menu** button to exit the Extended menu.

10. Hover near or tap on the board or the projected image with the interactive pen or your finger (BrightLink 695Wi+).

The ⬚ icon is displayed on the projected screen.

11. Select the ⬚ icon, then select the ⬚ icon.

You can now operate the computer using the interactive pens or your finger (BrightLink 695Wi+).

PC Interactive Mode System Requirements

Parent topic: Interactive Modes

PC Interactive Mode System Requirements

Your computer system must meet the system requirements here to use PC Interactive mode and Easy Interactive Tools.

Note: Easy Interactive Driver must be installed and running to use Easy Interactive Tools on a Mac.

Requirement	Windows	Mac
Operating system	Windows Vista SP2 Ultimate, Enterprise, Business, Home Premium, and Home Basic (32-bit)	OS X 10.7.x, 10.8.x, 10.9.x, 10.10.x, 10.11.x; macOS 10.12.x (QuickTime 7.7 or later required)
	Windows 8.x, Pro, Enterprise, Windows 7 SP1 Ultimate, Enterprise, Professional, Home Premium (32- and 64-bit)	
	Windows 10 Home and Pro (32- and 64bit)	
CPU	Core2 Duo 1.2 GHz or faster (Core i3 or faster recommended)	Core2 Duo 1.2 GHz or faster (Core i5 or faster recommended)
Memory	1GB or more (2GB or more recommended)	
Hard disk space	100MB or more	
Display	Resolution between 1024 × 768 and 1920 × 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 strip at the end of the pen. You can use either pen, or both pens at the same time (one of each color) in built-in whiteboard or annotation mode.

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.

/DCMS/Publications/Projectors/Source/Images/Interactive/BL695Wi_696Ui/pen_parts_bl695wi.jpg
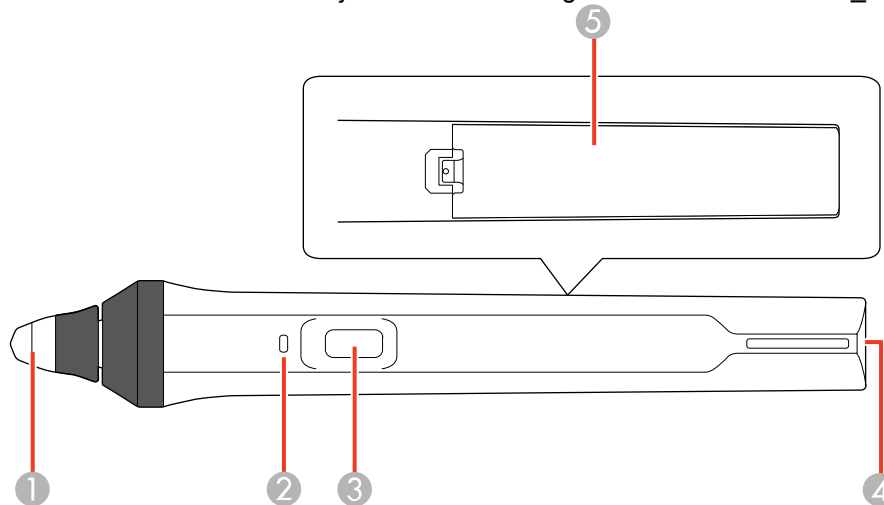
1   Pen tip

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.

  /DCMS/Publications/Projectors/Source/Images/Interactive/BL695Wi_696Ui/pen_angle_bl695wi.jpg
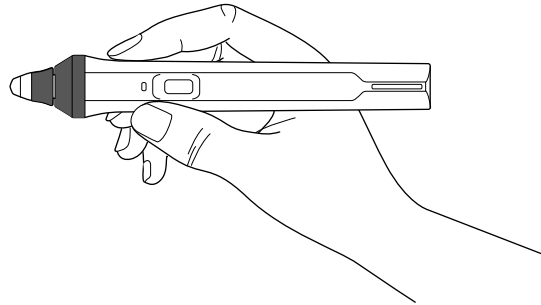
• To write or draw on the projection surface in built-in annotation mode or built-in whiteboard mode, do the following:

  /DCMS/Publications/Projectors/Source/Images/Interactive/BL695Wi_696Ui/pen_using_bl695wi.jpg
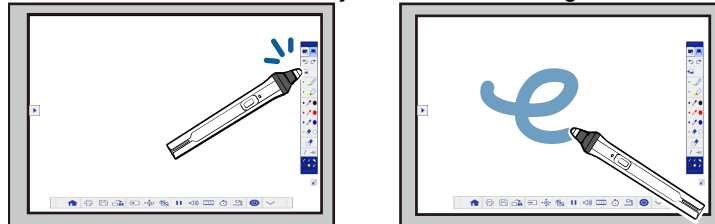
  • To select a projected item, such as an icon, tap the projection surface with the pen tip.

  • 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.

• To use the pen as a mouse in PC Interactive mode, do the following:

/DCMS/Publications/Projectors/Source/Images/Interactive/BL695Wi_696Ui/pen_using_as_mouse_bl695wi.jpg

• To left-click, tap the board with the pen tip.
• To double-click, tap twice.
• To right-click, press the button on the side or press and hold the pen on the screen (Windows).
• To click and drag, tap and drag with the pen.
• To move the cursor, hover over the board without touching it.

Note: You can turn off the hovering feature using the **Hovering** setting in the projector's Easy Interactive Function menu.

Note: To make a long press of the pen act as a right-click on a Mac, set the **Pen Operation Mode** setting to **Ubuntu Mode** and turn on the **Enable Right Click** setting.

Parent topic: Using the Interactive Pens

Related references
Projector Setup Settings - Extended Menu

Related tasks
Installing Batteries in the Pens

Pen Calibration

Calibration coordinates the position of the pen with the location of your cursor. You only need to calibrate the first time you use your projector's interactive features. Calibration results remain until you calibrate again.

Be sure to calibrate the pen before performing finger touch calibration (BrightLink 695Wi+).

If you notice positioning discrepancies after doing any of the following, calibrate again:

• Performing Geometry Correction

• Adjusting the image size

• Using the Image Shift feature

• Moving the projector

Note: Move any pen you are not using away from the projection screen while calibrating.

Calibrating Automatically

Calibrating Manually

Parent topic: Using the Interactive Pens

Calibrating Automatically

You do not need the pens or a computer for Auto Calibration.

Note: You can start Auto Calibration by pressing the **User** button on the remote control or by pressing the **Menu** button on the remote control as described here.

1. Press the **Menu** button, select the **Extended** menu, and press **Enter**.

/DCMS/Publications/Projectors/Source/Images/Menus/BL696Ui/menu_extended_bl696ui.jpg

Image	Return ↵
Signal	Easy Interactive Function
	Home Screen
Settings	Display
	Closed Caption Off
Extended ↵	User's Logo
	Projection Front
Network	Operation
	A/V Settings
ECO	USB Type B USB Display
	Multi-Projection
Info	Language 🌐 English
	Reset
Reset	
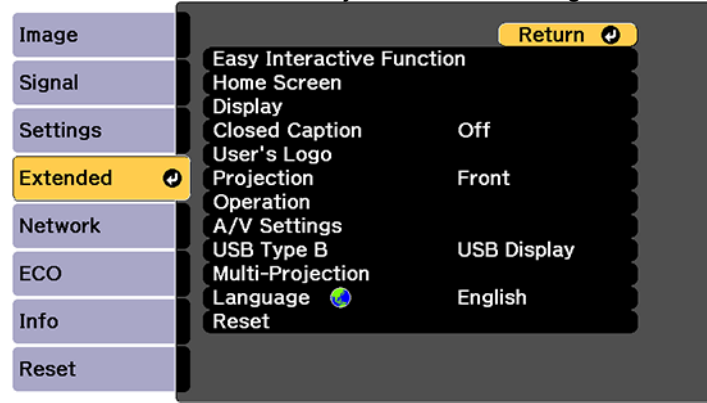
2. Select the **Easy Interactive Function** setting and press **Enter**.

/DCMS/Publications/Projectors/Source/Images/Menus/BL696Ui/menu_extended_autocal_bl696ui.jpg

Image	[Easy Interactive Function] Return
Signal	[General]
	Auto Calibration ↵
Settings	Manual Calibration
	Touch Unit Setup
Extended ↵	Pen Mode PC Free Annot...
	Hovering Off
Network	Advanced
ECO	[PC Interactive]
	Pen Operation Mode Windows/Mac...
Info	Enable Right Click Off
	Advanced
Reset	

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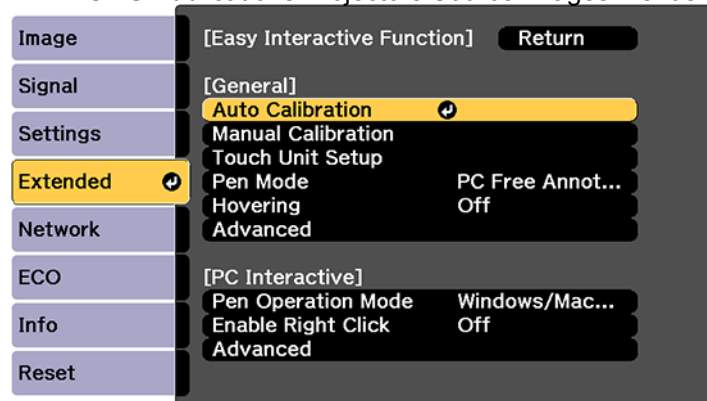
3. Select **Auto Calibration** and press **Enter**.

/DCMS/Publications/Projectors/Source/Images/Menus/PL470_BL485wi/calibration_auto_bl475wi_485wi.jpg

[Auto Calibration]

Adjust the focus so that the characters are displayed clearly.

Setup the projector so that the patterned image fits within the frame of the screen.

Calibration starts when preparations are complete. Do you want to continue?

Yes ↵   No
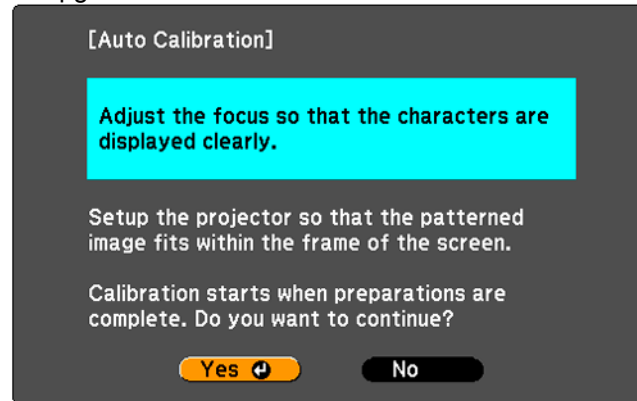
4. Adjust the image focus, if necessary.

5. Press **Enter** to select **Yes**.

A pattern appears then disappears, and the system is calibrated. If you see a message that calibration failed, you need to calibrate manually.

The cursor location and pen position should match after calibration. If not, you may need to calibrate manually.

Parent topic: Pen Calibration

Related tasks

Calibrating Manually

Focusing the Image

DCMS/Publications/Projectors/Source/Interactive/Tasks/pen_calibrating_manual_bl575wi_595wi.xml
Calibrating Manually

If the cursor location and pen position do not match after auto calibration, you can calibrate manually.

1. Press the **Menu** button, select the **Extended** menu, and press **Enter**.

/DCMS/Publications/Projectors/Source/Images/Menus/BL696Ui/menu_extended_bl696ui.jpg

Image		
Signal	**Return**	
	Easy Interactive Function	
	Home Screen	
Settings	Display	
	Closed Caption	Off
Extended	User's Logo	
	Projection	Front
Network	Operation	
	A/V Settings	
ECO	USB Type B	USB Display
	Multi-Projection	
Info	Language	English
	Reset	
Reset		
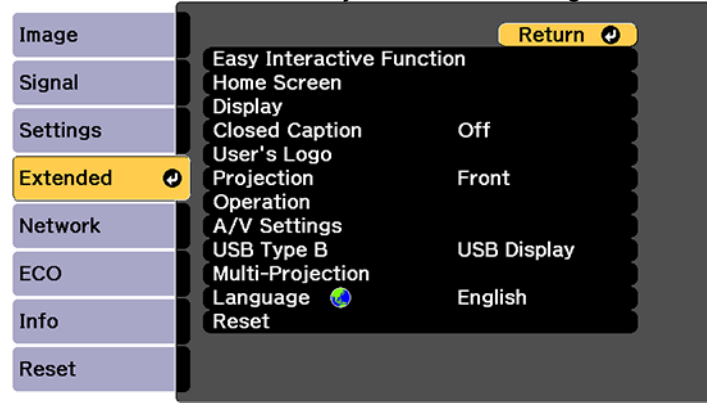
2. Select the **Easy Interactive Function** setting and press **Enter**.

/DCMS/Publications/Projectors/Source/Images/Menus/BL696Ui/menu_extended_eif_manual_bl696ui.jpg

Image	[Easy Interactive Function]	Return
Signal	[General]	
	Auto Calibration	
Settings	Manual Calibration	
	Touch Unit Setup	
Extended	Pen Mode	PC Free Annot...
	Hovering	Off
Network	Advanced	
ECO	[PC Interactive]	
	Pen Operation Mode	Windows/Mac...
Info	Enable Right Click	Off
	Advanced	
Reset		

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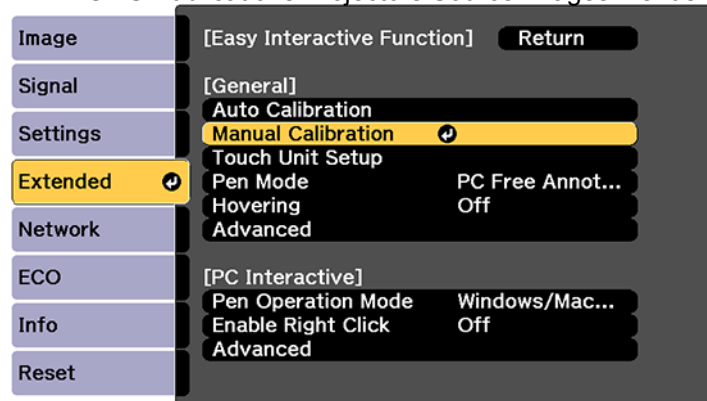
3. Select **Manual Calibration** and press **Enter**.

/DCMS/Publications/Projectors/Source/Images/Menus/PL470_BL485wi/calibration_manual_bl475wi_485wi.jpg
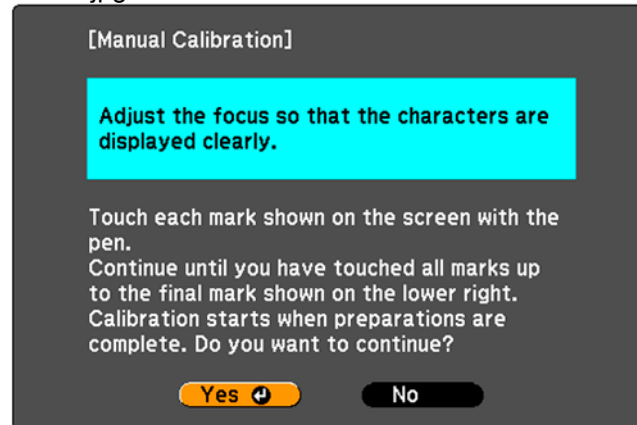
4. Adjust the image focus, if necessary.

5. Press **Enter** to select **Yes**.

A flashing green circle appears in the upper left corner of your projected image.

6. Touch the center of the circle with the tip of the pen.

The circle disappears, and you see another circle below the first one.

/DCMS/Publications/Projectors/Source/Images/Interactive/BL575Wi_585Wi_595Wi/calibrate_dot_start_position_bl575wi_595wi.jpg
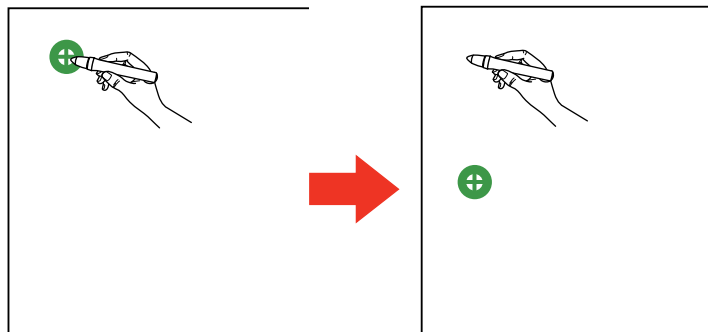
Note: For the most accurate calibration, make sure you touch the center of the circle.

/DCMS/Publications/Projectors/Source/Images/Interactive/BL575Wi_585Wi_595Wi/calibrate_dot_center_warning_bl575wi_bl595wi.jpg

Note: Make sure you are not blocking the signal between the pen and the interactive receiver (next to the projection window on the projector).

7. Touch the center of the next circle, then repeat. When you get to the bottom of the column, the next circle appears at the top of a new column.

/DCMS/Publications/Projectors/Source/Images/Icons/BL475wi_480i_485wi/calibrate_dot_up_down.jpg
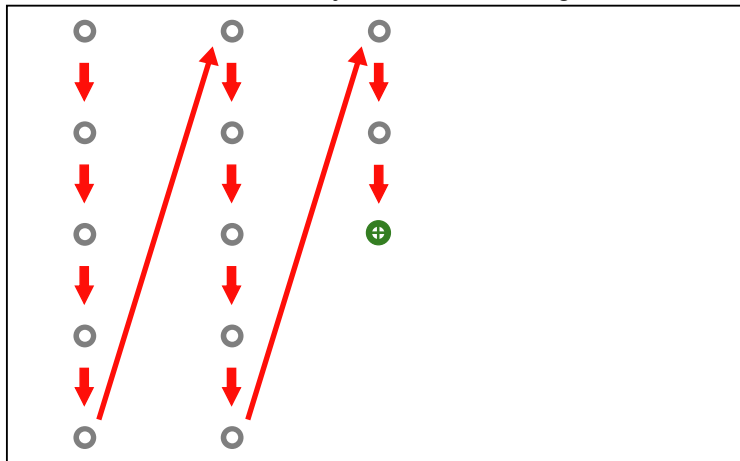
Note: If you make a mistake, press the **Esc** button on the remote control to go back to the previous circle. To restart the calibration process, press and hold the **Esc** button for 2 seconds.

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8. Continue until all of the circles disappear.

Parent topic: Pen Calibration

Related tasks

Focusing the Image

Calibrating Automatically

Using Finger Touch Interactivity

You can use your finger to perform the same functions as the interactive pens when you install the Touch Unit (BrightLink 695Wi+).

Note: See the *Touch Unit and Control Pad Installation Guide* for detailed instructions on installing the Touch Unit and calibrating for finger touch interactivity (BrightLink 695Wi+).

Touch Unit Safety Instructions

Calibrating for Finger Touch Interactivity

Using Finger Touch Operations

Parent topic: Using the Interactive Features

Touch Unit Safety Instructions

The Touch Unit enables finger touch interactivity with your projector (BrightLink 695Wi+). Do not connect it to any other projectors or devices.

A built-in, high-power laser is emitted from the laser diffusion ports on the back of the Touch Unit.

/DCMS/Publications/Projectors/Source/Images/Interactive/BL575Wi_585Wi_595Wi/touch_unit_laser.jpg
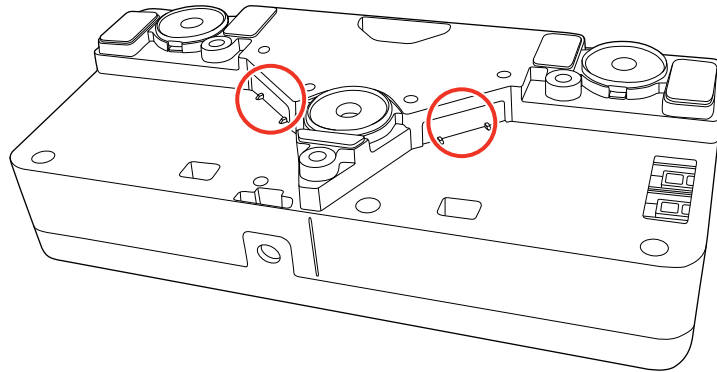
Follow these precautions when using the Touch Unit and finger touch interactivity:

• Children using finger touch interactivity should always be accompanied by an adult.

• Never disassemble or modify the Touch Unit. Never open any cases on the projector or Touch Unit. Electrical voltages inside the projector can cause severe injury.

• Do not look into the laser diffusion ports on the back of the Touch Unit. The laser can damage your eyes. Extra care should be taken when children are present.

• Do not allow the laser light from the Touch Unit to pass through or be reflected by any optical devices, such as a magnifying glass or mirror. This could cause personal injury or fire.

• Do not view the laser light from the Touch Unit using an optical device such as an eye loupe, magnifying glass, or microscope, especially within 2.75 inches (70 mm) of the laser diffusion ports. This could damage your eyes.

• Unplug the projector from the electrical outlet and refer all repairs to qualified service personnel if any problems occur with the Touch Unit. Continued use of the Touch Unit may result in fire or accidents, and can also damage your eyes.

The Touch Unit is a Class 1 laser product that complies with IEC/EN60825-1:2007. The labels indicating the Class 1 laser product and warnings are located in the following areas on the Touch Unit:

/DCMS/Publications/Projectors/Source/Images/Interactive/BL575Wi_585Wi_595Wi/touch_unit_warning_label 1.jpg
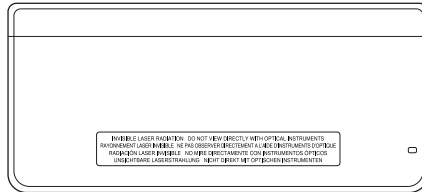
/DCMS/Publications/Projectors/Source/Images/Interactive/BL575Wi_585Wi_595Wi/touch_unit_warning_label 2.jpg
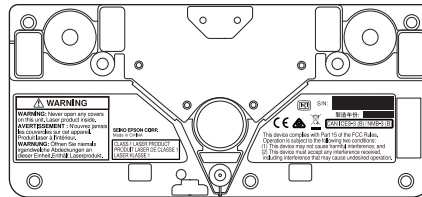
/DCMS/Publications/Projectors/Source/Images/Interactive/BL575Wi_585Wi_595Wi/touch_unit_warning_label 3.jpg

Parent topic: Using Finger Touch Interactivity

Calibrating for Finger Touch Interactivity

Finger touch calibration coordinates the positioning of your finger with the location of the cursor (BrightLink 695Wi+).

Note: Make sure you have calibrated the pens, installed the Touch Unit, performed angle adjustment, and turned it on before calibrating for finger touch interactivity.

1. Press the **Menu** button, select the **Extended** menu, and press **Enter**.

/DCMS/Publications/Projectors/Source/Images/Menus/BL696Ui/menu_extended_bl696ui.jpg

Image	Return ↵
Signal	Easy Interactive Function
	Home Screen
Settings	Display
	Closed Caption Off
Extended ↵	User's Logo
	Projection Front
Network	Operation
	A/V Settings
ECO	USB Type B USB Display
	Multi-Projection
Info	Language 🌐 English
	Reset
Reset	
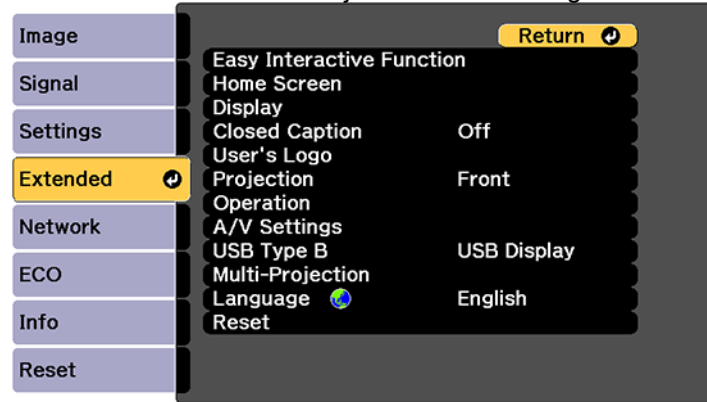
2. Select the **Easy Interactive Function** setting and press **Enter**.

/DCMS/Publications/Projectors/Source/Images/Menus/BL696Ui/menu_extended_eif_touch_bl696ui.jpg

Image	[Easy Interactive Function] Return
Signal	[General]
	Auto Calibration
Settings	Manual Calibration
	Touch Unit Setup ↵
Extended ↵	Pen Mode PC Free Annot...
	Hovering Off
Network	Advanced
ECO	[PC Interactive]
	Pen Operation Mode Windows/Mac...
Info	Enable Right Click Off
	Advanced
Reset	

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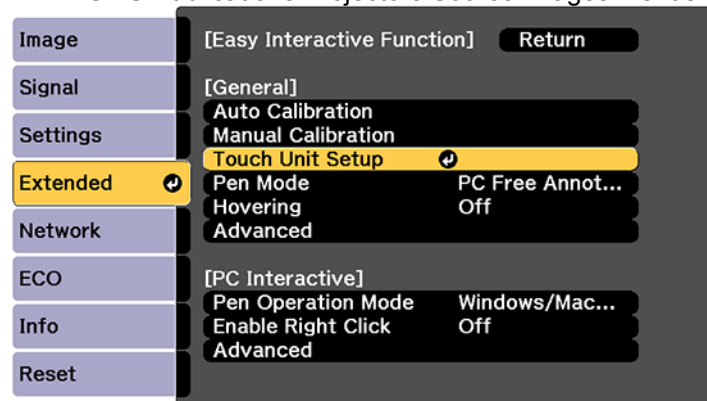
3. Select **Touch Unit Setup** and press **Enter**.

/DCMS/Publications/Projectors/Source/Images/Menus/BLP1420Wi_1430Wi/menu_extended_eif_touch_calib.jpg
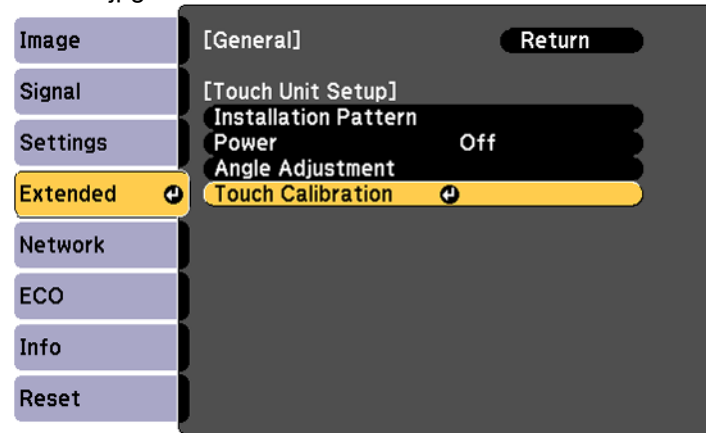
4. Select **Touch Calibration** and press **Enter**.

The following screen appears:

/DCMS/Publications/Projectors/Source/Images/Menus/BL575Wi_585Wi_595Wi/lcd_touch_calibration_bl595wi_plus.jpg
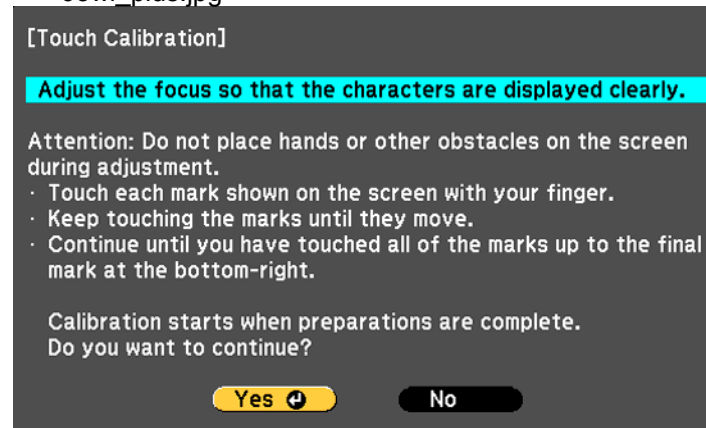
5. Adjust the image focus, if necessary.

6. Press **Enter** to select **Yes**.

   A flashing green circle appears in the upper left corner of your projected image.

7. Touch and hold the center of the circle with your finger until the circle disappears and another circle appears, then release it.

   The circle disappears, and you see another circle below the first one.

   /DCMS/Publications/Projectors/Source/Images/Interactive/BL575Wi_585Wi_595Wi/finger_calibrate_dot_start_position.jpg
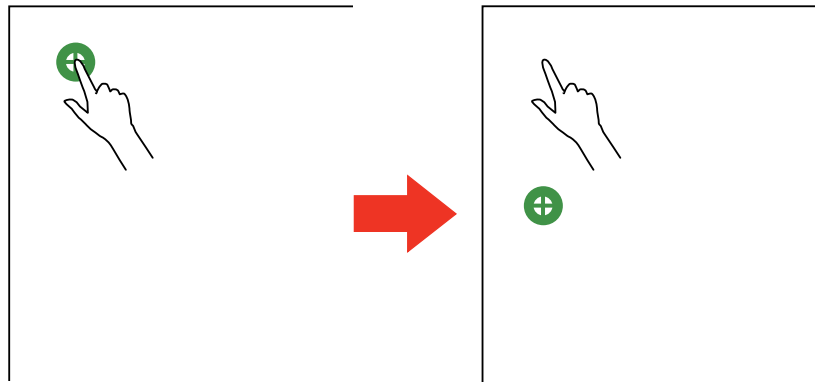
Note: For the most accurate calibration, make sure you touch the center of the circle with the tip of your finger.

/DCMS/Publications/Projectors/Source/Images/Interactive/BL575Wi_585Wi_595Wi/finger_calibrate_dot_center_warning.jpg
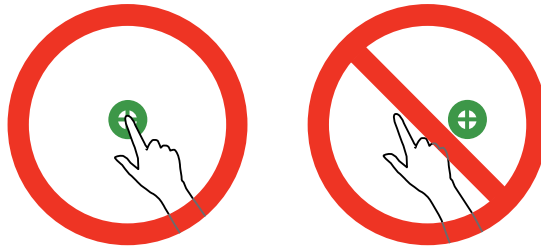
Note: Make sure you are not blocking the signal between your finger and the interactive receiver (next to the projection window on the projector).

8. Touch the center of the next circle with your finger and continue until all of the circles disappear.

   When you get to the bottom of a column, the next circle appears at the top of a new column.

   /DCMS/Publications/Projectors/Source/Images/Interactive/BLP1420Wi_1430Wi/EIF_004.jpg
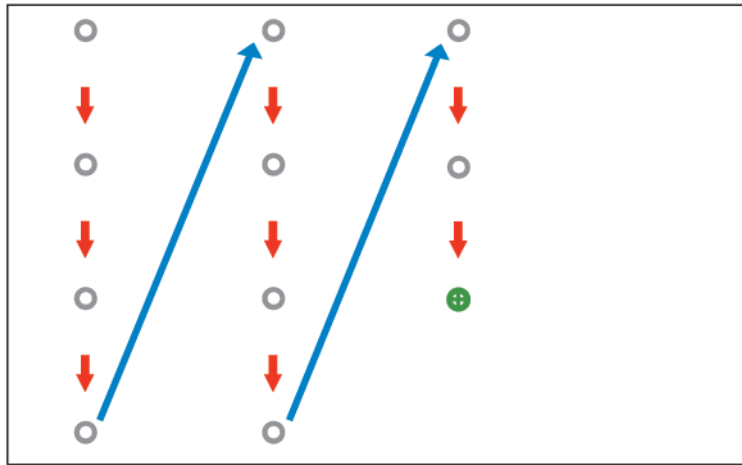
Note: If you make a mistake, press the **Esc** button on the remote control to go back to the previous circle. To restart the calibration process, press and hold the **Esc** button for 2 seconds.

9. If the cursor location and your finger position do not match, repeat these steps to calibrate again.

Parent topic: Using Finger Touch Interactivity

Related tasks
Focusing the Image
Calibrating Automatically
Calibrating Manually

DCMS/Publications/Projectors/Source/Interactive/Tasks/finger_touch_using_bl595wi_plus.xml
Using Finger Touch Operations

You can use your finger to interact with the projected screen, just as you would use an interactive pen (BrightLink 695Wi+). You can use either a pen or your finger, or use both at the same time.

When performing touch operations with your finger, you can use two fingers in built-in annotation mode and up to six fingers in built-in whiteboard mode.

1. Install the Touch Unit as described in the *Touch Unit and Control Pad Installation Guide*.

2. Turn on your projector. This automatically turns on the Touch Unit also.

   The blue light on the Touch Unit remains lit.

   /DCMS/Publications/Projectors/Source/Images/Interactive/BL695Wi_696Ui/touch_unit_on_bl695wi.jpg
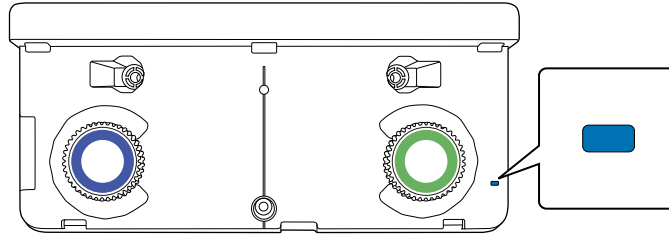
3. Calibrate the pens.

4. Adjust the angle of the Touch Unit as described in the *Touch Unit and Control Pad Installation Guide*.

5. Calibrate for finger touch interactivity.

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

   /DCMS/Publications/Projectors/Source/Images/Interactive/BL695Wi_696Ui/finger_using_bl695wi.jpg
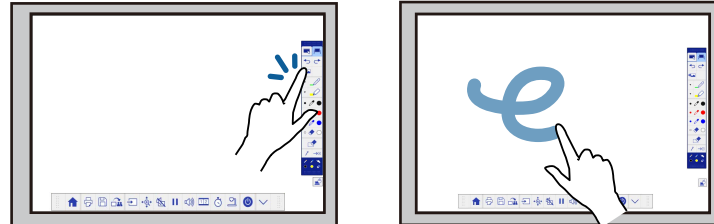
   • To select a projected item, such as an icon, tap the projection surface with your finger.

   • To draw on the projected screen, tap the projection surface with your finger and drag it as necessary.

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7. To use your finger as a mouse in PC Interactive mode, do the following:

   • To left-click, tap the board with your finger.

   • To double-click, tap twice with your finger.

   • To right-click, press the board with your finger for about 3 seconds.

   • To click and drag, press on and drag an item with your finger.

   • To scroll, drag your finger on the screen.

   /DCMS/Publications/Projectors/Source/Images/Interactive/BL695Wi_696Ui/finger_using_as_mouse_bl695wi.jpg

8. If your operating system supports these functions, you can also do the following:

   • To zoom in or out, touch an item using two fingers and either move your fingers away from each other (zoom in) or toward each other (zoom out).

   • To rotate an image, touch the image with your fingers and rotate your hand.

   • To drag up or down on a page, or move backward or forward in a browser window, use swiping gestures or flicks.

Note: Finger touch operations may not work correctly with long or artificial nails, or fingers wearing bandages. If your fingers are too close together or crossed, or your sleeve or free hand touches the screen, finger touch may not be recognized. Some operating systems may not support gestures.

Parent topic: Using Finger Touch Interactivity

Related references

Touch Unit Safety Instructions

Related tasks

Calibrating for Finger Touch Interactivity

Calibrating Automatically

DCMS/Publications/Projectors/Source/Interactive/Concepts/using_brightlink_with_computer_touch.xml

Using BrightLink with a Computer

You can connect a computer to the projector and install the software from the Easy Interactive Function CD. You can then do the following:

• Use the pens or your finger (BrightLink 695Wi+) as a mouse to control your computer

• Use the Easy Interactive Tools software to annotate with both pens or a combination of pen and finger touch (BrightLink 695Wi+) at the same time

Note: See the online *Easy Interactive Tools Operation Guide* for detailed information.

• Save and print your annotations

• Use the Tablet PC input panel in Windows 10, Windows 8.x, Windows 7, or Windows Vista

• Use Ink Tools for annotation in Microsoft Office (2003 or later) applications

Adjusting the Pen Operation Area
Easy Interactive Tools

Parent topic: Using the Interactive Features

DCMS/Publications/Projectors/Source/Interactive/Tasks/pen_adjusting_area_bl475wi_485wi.xml

Adjusting the Pen Operation Area

If you connect a different computer or adjust the computer's resolution, the pen operation area is adjusted automatically to match your mouse pointer position. If you notice that the pen position is incorrect when using PC Interactive mode, you can adjust the pen area manually.

1. Project your computer's desktop.

2. Press the **Menu** button, select the **Extended** menu, and press **Enter**.

/DCMS/Publications/Projectors/Source/Images/Menus/BL695Wi/menu_extended_bl695wi.jpg

Image		Return ↵
Signal	Easy Interactive Function	
	Home Screen	
	Display	
Settings	Closed Caption	Off
	User's Logo	
Extended ↵	Projection	Front
	Operation	
Network	A/V Settings	
	USB Type B	USB Display
ECO	Multi-Projection	
	Language 🌐	English
Info	Reset	
Reset		

3. Select the **Easy Interactive Function** setting and press **Enter**.

/DCMS/Publications/Projectors/Source/Images/Menus/BL695Wi/menu_extended_interactive_bl695wi.jpg

Image	[Easy Interactive Function]	Return ↵
Signal	[General]	
	Auto Calibration	
Settings	Manual Calibration	
	Touch Unit Setup	
Extended ↵	Pen Mode	PC Free Annot...
	Hovering	Off
Network	Advanced	
ECO	[PC Interactive]	
	Pen Operation Mode	Windows/Mac M...
Info	Enable Right Click	Off
	Advanced	
Reset		

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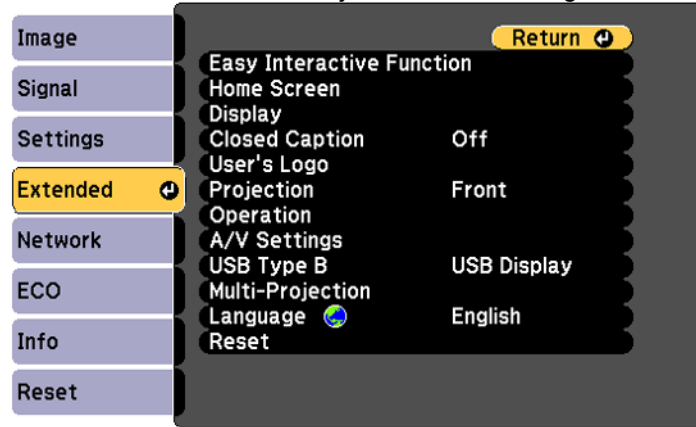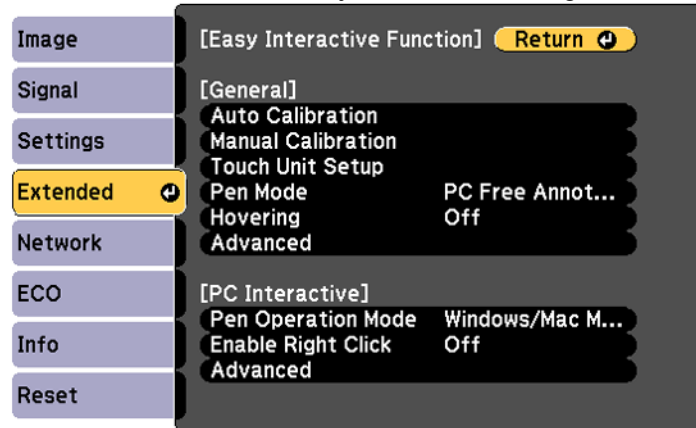
4. Select **Advanced** in the PC Interactive section and press **Enter**.

/DCMS/Publications/Projectors/Source/Images/Menus/BL695Wi/menu_interactive_advanced_bl695wi.jpg

Image	[PC Interactive]	Return ⏎
Signal	[Advanced]	
	Pen Tip Button	Left Click
Settings	Auto Adjust Pen Area	Off
	Manual Adj. Pen Area	
Extended ⏎		
Network		
ECO		
Info		
Reset		
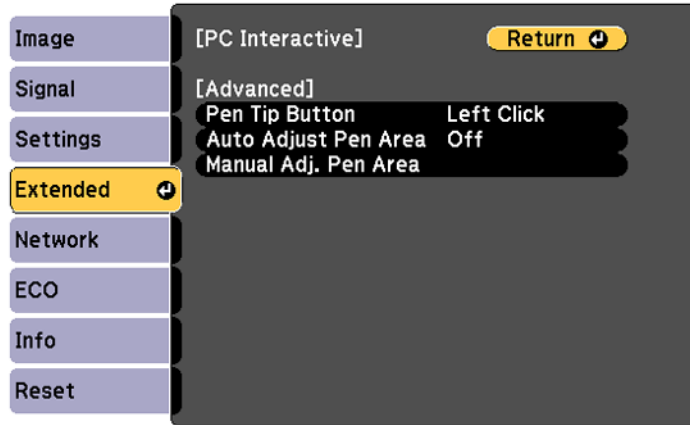
5. Select **Manual Adj. Pen Area** and press **Enter**.

   You see this screen:

   /DCMS/Publications/Projectors/Source/Images/Menus/PL470_BL485wi/manual_adj_pen_area_bl475wi_485wi.jpg

   [Manual Adj. Pen Area]

   Adjust the pen area to match the position of the pen to the mouse pointer.
   Do you want to continue?

   Yes ⏎   No
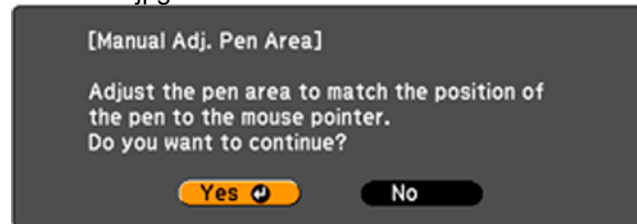
6. Press **Enter** to select **Yes**.

   The mouse pointer moves toward the top left corner.

7. When the mouse pointer stops at the top left corner of the image, touch the tip of the pointer with the interactive pen.

   The mouse pointer moves toward the bottom right corner.

8. When the mouse pointer stops at the bottom right corner of the image, touch the tip of the pointer with the interactive pen.

Parent topic: Using BrightLink with a Computer

Easy Interactive Tools

Your projector came with a CD containing the Easy Interactive Tools software for use with a computer. Easy Interactive Tools lets you use your interactive pen or finger (BrightLink 695Wi+) to draw, save, and interact with projected content from your computer.

These two modes are available:

- Annotation (PC interactive) mode displays the toolbar on the projected image and lets you use the pen or finger (BrightLink 695Wi+) as a mouse to open applications, access links, and operate scroll bars, for example. You can also annotate over whatever is displayed from your computer (using both pens at the same time).

- Whiteboard mode lets you project on one of 3 solid colors or 6 background patterns, and use the toolbar to write or draw on the background. You can also import images from your computer or a document camera. In full screen whiteboard mode, two people can use the pens at the same time. Finger touch is also available in whiteboard mode. (BrightLink 695Wi+)

Note: For detailed instructions on using the Easy Interactive Tools software, see the online *Easy Interactive Tools Operation Guide* or the online help.

Parent topic: Using BrightLink with a Computer

Windows Pen Input and Ink Tools

If you are using Windows 10, Windows 8.x, Windows 7, or Windows Vista, you can use the pen input and Ink tools to add input and annotations to your work. You can also use these features over a network when you set the interactive features to be available on your network. See the *EasyMP Multi PC Projection Operation Guide* for instructions on setting up your computer for network projection.

Enabling Windows Pen Input and Ink Tools

Using Windows Pen Input and Ink Tools

Parent topic: Using the Interactive Features

Enabling Windows Pen Input and Ink Tools

To use the pen input and Ink tools in Windows 10, Windows 8.x, Windows 7, or Windows Vista, you need to adjust the pen operation mode in your projector's menus.

1. Press the **Menu** button, select the **Extended** menu, and press **Enter**.

/DCMS/Publications/Projectors/Source/Images/Menus/BL695Wi/menu_extended_bl695wi.jpg
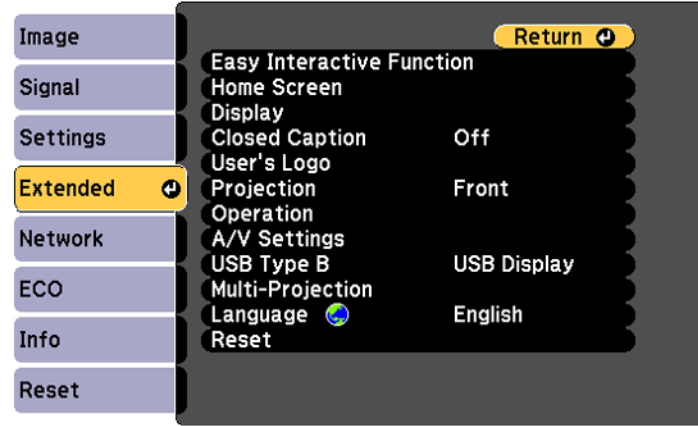
2. Select the **Easy Interactive Function** setting and press **Enter**.

/DCMS/Publications/Projectors/Source/Images/Menus/BL695Wi/menu_pc_interactive_bl695wi.jpg

186
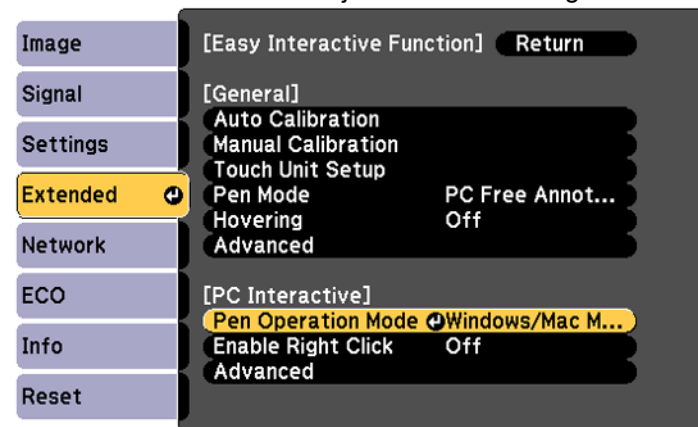
3. Select **Pen Operation Mode** and press **Enter**.

4. Select **Windows/Mac Mode** and press **Enter**.

Parent topic: Windows Pen Input and Ink Tools

Using Windows Pen Input and Ink Tools

If you are using Windows 10, Windows 8.x, Windows 7, or Windows Vista, you can add handwritten input to your work and convert it to text.

If you have Microsoft Office 2003 or later, you can also use the Ink function to add handwritten notes to a Word document, Excel spreadsheet, or PowerPoint presentation.

Note: Option names for the annotation functions may vary depending on your version of Microsoft Office.

• To open the Touch Keyboard in Windows 10, right-click or tap-and-hold on the Taskbar, and select **Show touch keyboard button**. Select the keyboard icon on the screen.

• To open the Touch Keyboard in Windows 8.x, right-click or tap-and-hold on the Taskbar, and select **Toolbars > Touch Keyboard**. Select the keyboard icon on the screen and select the pen icon.

• To open the Tablet PC input panel in Windows 7 or Windows Vista, select [icon] **> All Programs > Accessories > Tablet PC > Tablet PC Input Panel**.
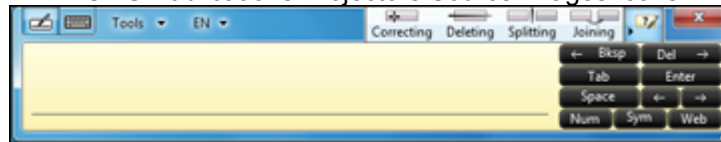
You can write in the box using the interactive pen or your finger (BrightLink 695Wi+), and select from a variety of options to edit and convert the text.

- To add Ink annotations in Microsoft Office applications, select the **Review** menu, and select **Start Inking**.

  Note: In Microsoft Word or Excel, select the **Insert** tab and select **Start Inking**.

  /DCMS/Publications/Projectors/Source/Images/Icons/BL475wi_480i_485wi/pen_start_inking_bl475wi_485wi.jpg
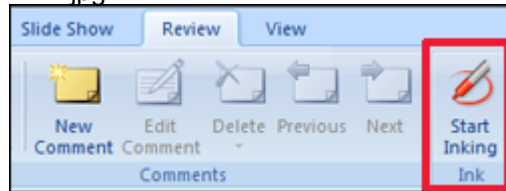
- To annotate your PowerPoint slides in Slideshow mode, press the button on the side of the interactive pen or press the projection surface with your finger (BrightLink 695Wi+) for about 3 seconds, and select **Pointer Options > Pen** from the pop-up menu.

  For more information about these features, see Windows Help.

  Parent topic: Windows Pen Input and Ink Tools

DCMS/Publications/Projectors/Source/Interactive/Concepts/pen_pc_free_annotation_bl436wi_421i.xml

Using BrightLink Without a Computer

You can use the pens or your finger (BrightLink 695Wi+) to write or draw on the projection surface simultaneously without connecting a computer (PC Free annotation). This lets you annotate images from a document camera, iPad, DVD player, or other source.

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

Parent topic: Using the Interactive Features

DCMS/Publications/Projectors/Source/Interactive/Tasks/pen_finger_using_built_in_toolbar_bl595wi_plus.xml

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 touch (BrightLink 695Wi+).

1. Select the source for the image you want to annotate. If you simply want to use a blank screen, select any 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 you do not use them. 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

DCMS/Publications/Projectors/Source/Interactive/Reference/pen_annotation_tools_bl695wi_bl696ui_table.xml

Built-in Tools for Use Without a Computer
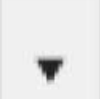
The built-in toolbar is embedded in the projector and allows you to draw and write on the projected screen.

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

/DCMS/Publications/Projectors/Source/Images/Icons/BL695Wi/interactive_whiteboard_annotation_toolbar_bl6
95wi.jpg
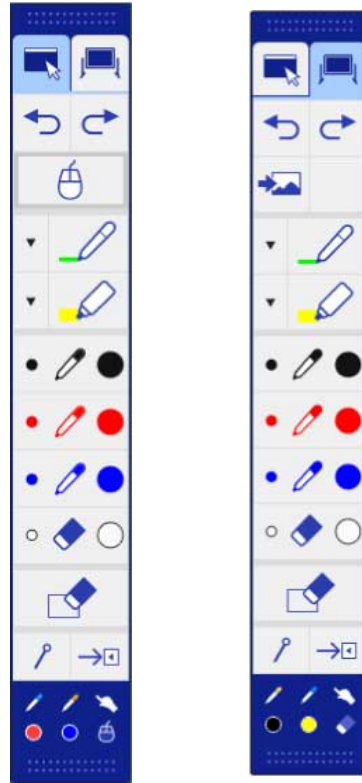
	Switch to built-in annotation mode
	Switch to built-in whiteboard mode

	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

DCMS/Publications/Projectors/Source/Interactive/Tasks/pen_selecting_background_bl475wi_485wi.xml

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 write, select one of the ✐ Pen tools.

- To highlight, select the ✐ Highlighter tool.

4. Do one of the following to clear all or part of the screen,

- To erase, select the ◆ Eraser tool.

- To clear the whole screen, select the ◳ Clear all tool.

Parent topic: Using BrightLink Without a Computer

DCMS/Publications/Projectors/Source/Interactive/Tasks/pen_changing_width_color_bl475wi_485wi.xml

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.

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

DCMS/Publications/Projectors/Source/Interactive/Reference/projector_control_tools_bl695wi_696ui_table.xml

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.

/DCMS/Publications/Projectors/Source/Images/Icons/BL695Wi/interactive_bottom_toolbar_bl695wi.jpg

	Displays the Home screen.
	Prints the projected image
	Saves the projected image to a connected USB storage device
	Shares the projected image using EasyMP Multi PC Projection or Epson iProjection
	Changes the image source using a displayed list.
	Zooms into and out of the image
	Turns off the picture and sound
	Pauses video action
	Increases or decreases the volume

	Projects two images from different image sources
	Sets the timer
	Displays the document camera control toolbar. (Not all settings may be available depending on your document camera model and connection type.) • **AF** : Automatically focus the document camera image; make sure you enable this setting before you zoom into or out of the document camera image • **II** : 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
	Turns off the projector.
	Closes the projector control toolbar

Parent topic: Using BrightLink Without a Computer

Related tasks

DCMS/Publications/Projectors/Source/Interactive/Tasks/network_device_display_bl695wi_bl696ui.xml

Selecting a Networked Device Source

You can project an image from up to 50 devices connected to the projector via a network. You can select the image source from computers running EasyMP Multi PC Projection or Epson iProjection, and smartphones or tablets running Epson iProjection.

1. Select the ⊡ Source Select icon on the projector control toolbar.

    You see an image source list:

    /DCMS/Publications/Projectors/Source/Images/Interactive/BL695Wi_696Ui/interactive_bottom_toolbar_se
    lect_source_screen2_bl695wi.jpg
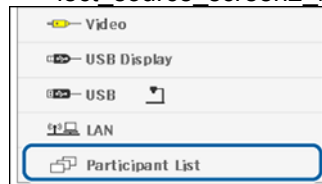
2. Select **Participant List**.

You see a list of available devices. The icon next to a user name indicates the currently selected source.

/DCMS/Publications/Projectors/Source/Images/Interactive/BL695Wi_696Ui/interactive_participant_list_scr
een_bl695wi.jpg
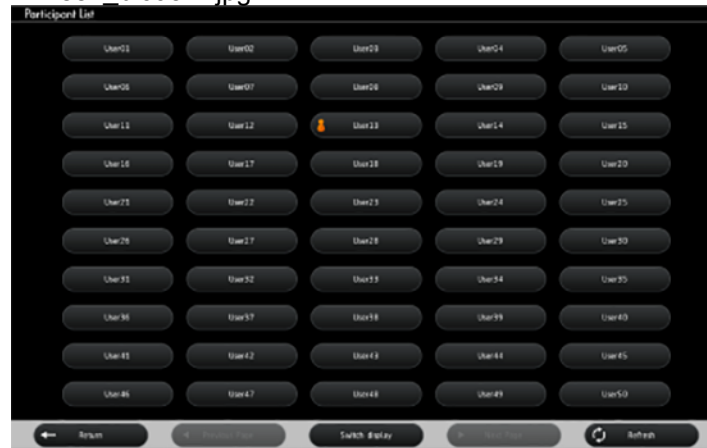
3. Select the user name for the device from which you want to project.

   Note: Select **Refresh** to update the user list.

4. Select **Return**.

   You see the screen image from the selected device.

While the user selection screen is displayed, you cannot do the following:

• Select a different image source

• Use other interactive features

• Control the projector from the bottom toolbar

• Connect to multiple projectors

• Hear sound from the projector

• Project an image using EasyMP Multi PC Projection or Epson iProjection

Parent topic: Using BrightLink Without a Computer

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Splitting the Screen

You can split the screen and project from two sources at the same time. You can annotate and interact with both sources.

1. Select the ⊡ Split tool on the bottom toolbar.

    You see a screen like this:

    /DCMS/Publications/Projectors/Source/Images/Menus/BLP1420Wi_1430Wi/split_screen_select_source.jpg
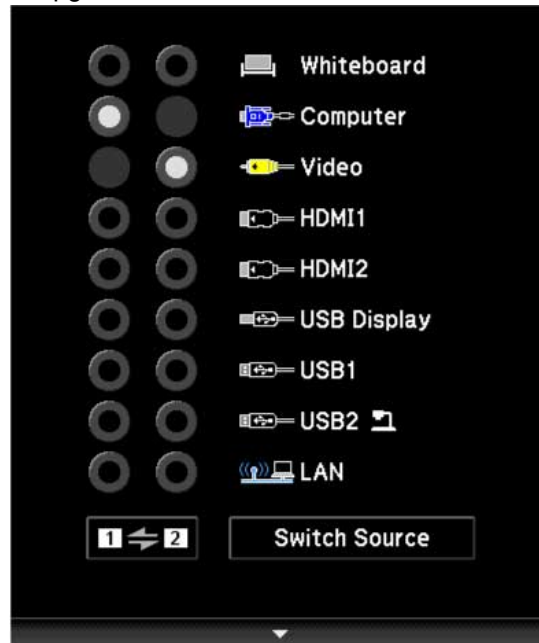
2. Select the two sources you want to display. (Not all combinations of sources are valid.)

    Note: If you want to write on a blank screen, select any unused source. Unused sources display the color selected in the **Display Background** setting. The **Logo** option will display a blue background.

3. Press the **Switch Source** button to display the two sources.

4. Do any of the following as necessary:

   • To change to a different source at any time, press the **Menu** button on the remote control and select **Source**, or press the ⊡ Split icon on the bottom toolbar.

   • To use PC interactive mode on the right screen, press the **Menu** button on the remote control, select **Target Pen Mode**, and select **Screen Right**. Set the **Pen Mode** setting to **PC Interactive**.

   Note: If you select **Video**, **USB1**, or **USB2** as a source, you cannot use PC interactive mode.

   • To reverse the left and right images, press the **Menu** button on the remote control and select **Swap Screens**.

   • To make one image larger, press the **Menu** button on the remote control, select **Screen Size**, and select **Larger Left** or **Larger Right**.

5. To return to displaying one image, press the **Esc** button on the remote control, or press the ⊡ Split Screen icon on the bottom toolbar.

The following operations cannot be performed during split screen projection:

• Menu settings

• E-Zoom

• Switching aspect mode

• Operations made by the **User** button on the remote control

• Auto Iris

• Light Optimizer

• Image Processing

• Freeze (if one screen is displaying the whiteboard)

Selecting Interactive Split Screen Settings

Parent topic: Using BrightLink Without a Computer

Related references
Input Sources for Split Screen Projection

Related tasks
Projecting Two Images Simultaneously

Selecting Interactive Split Screen Settings

You can select split screen projection settings using the projector control toolbar.

1. Select the ⬚ Split icon on the projector control toolbar.

2. Select the ⚙ tab.

   You see a screen like this:

   /DCMS/Publications/Projectors/Source/Images/Interactive/BL695Wi_696Ui/interactive_split_screen_settin
   gs_bl695wi.jpg
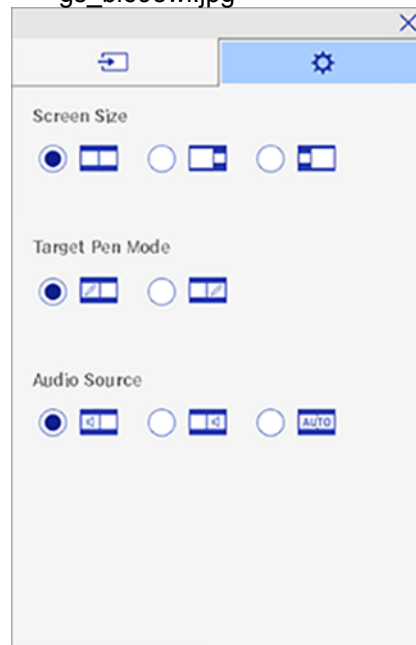
3. Do any of the following as necessary:

   • To make one image larger than the other, select a **Screen Size** setting.

   • To use the interactive pen as a mouse with a computer source, select a **Target Pen Mode** setting.

   • To select the audio from either screen, select an **Audio Source** setting. Select **Auto** to hear audio from the left screen or larger screen.

4. Select the ✕ icon to exit the settings screen.

Parent topic: Splitting the Screen

Using Interactive Features with Two Projectors

You can use your projector's interactive features while projecting with two projectors installed side by side. To get started, install the software from the Easy Interactive Function CD.

See the installation guide that came with your projector mount for instructions on installing multiple projectors and selecting settings for interactive features.

Note: You may not be able to write and draw across the border of the images.

Temporarily Using Interactive Features on One Projector

Parent topic: Using BrightLink Without a Computer

Temporarily Using Interactive Features on One Projector

When you use the interactive features on an image projected by two side-by-side projectors, you can temporarily limit the interactive features to one of the projectors.

1. Press the **Home** button on the remote control or projector or the 🏠 icon on the projector control toolbar.

You see a screen like this:

/DCMS/Publications/Projectors/Source/Images/Menus/PL670_685W/menu_home_pl685w_bl695wi.jpg

2. Press the ⚙ icon.

You see a screen like this:

/DCMS/Publications/Projectors/Source/Images/Menus/BL695Wi/home_screen_interactive_bl695wi_bl696
ui.jpg
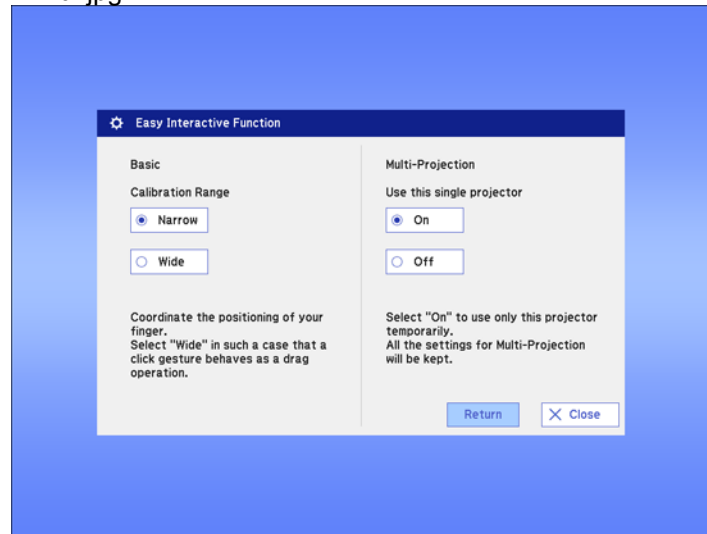
3. Set the **Use this single projector** setting to **On**.

You can now use the interactive features on the current projector only. When the projector turns off, the **Use this single projector** setting returns to **Off**.

Parent topic: Using Interactive Features with Two Projectors

Adjusting the Menu Settings

Follow the instructions in these sections to access the projector menu system and change projector settings.

Using the Projector's Menus

Image Quality Settings - Image Menu

Input Signal Settings - Signal Menu

Projector Feature Settings - Settings Menu

Projector Setup Settings - Extended Menu

Projector Network Settings - Network Menu

Projector Setup Settings - ECO Menu

Projector Information Display - Info Menu

Projector Reset Options - Reset Menu

Using the Projector's Menus

You can use the projector's menus to adjust the settings that control how your projector works. The projector displays the menus on the screen.

1. Press the **Menu** button on the control panel or remote control.

/DCMS/Publications/Projectors/Source/Images/Remote_Controls/PL670_BL695Wi/remote_control_panel _menu_pl685_bl695wi.jpg
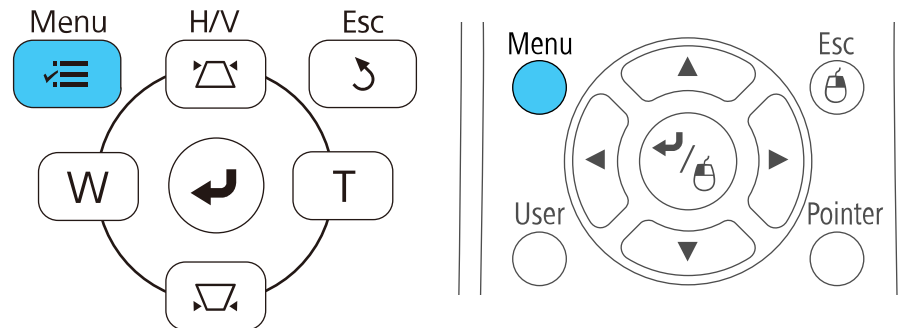
You see the menu screen displaying the Image menu settings.

/DCMS/Publications/Projectors/Source/Images/Menus/PL670_685W/menu_image_pl685w.jpg

Image	Return
Signal	Color Mode Dynamic
	Brightness 0
	Contrast 0
Settings	Color Saturation 0
	Tint 0
	Sharpness 0
Extended	Color Temp.
	Image Enhancement
Network	Advanced
	Auto Iris Off
ECO	Reset
Info	
Reset	
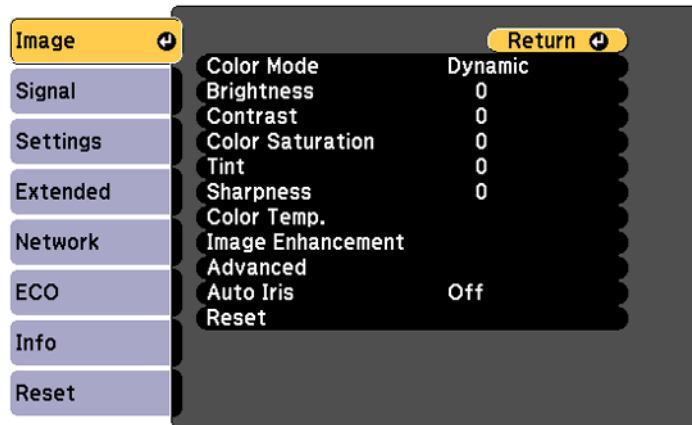
2. Press the up or down arrow button to move through the menus listed on the left. The settings for each menu are displayed on the right.

    Note: The available settings depend on the current input source.

3. To change settings in the displayed menu, press **Enter**.

4. Press the up or down arrow button to move through the settings.

5. Change the settings using the buttons listed on the bottom of the menu screens.

6. To return all the menu settings to their default values, select **Reset**.

7. When you finish changing settings on a menu, press **Esc**.

8. Press **Menu** or **Esc** to exit the menus.

Parent topic: Adjusting the Menu Settings

Image Quality Settings - Image Menu

Settings on the Image menu let you adjust the quality of your image for the input source you are currently using. The available settings depend on the currently selected input source.

/DCMS/Publications/Projectors/Source/Images/Menus/PL670_685W/menu_image_pl685w.jpg

Image	↵		Return ↵
		Color Mode	Dynamic
Signal		Brightness	0
		Contrast	0
Settings		Color Saturation	0
		Tint	0
Extended		Sharpness	0
		Color Temp.	
Network		Image Enhancement	
		Advanced	
ECO		Auto Iris	Off
		Reset	
Info			
Reset			
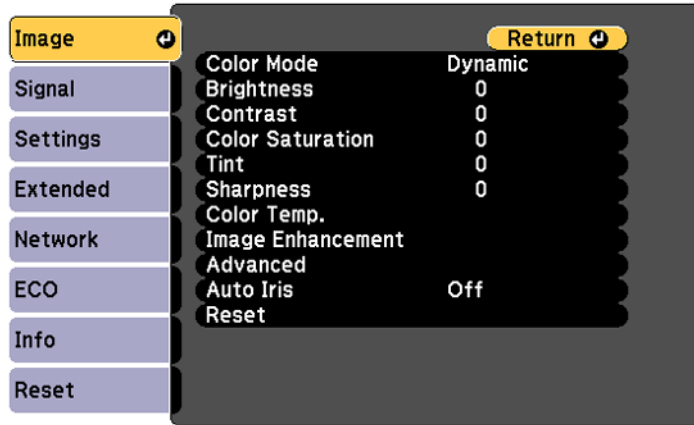
To change settings for an input source, make sure the source is connected and select that source.

Setting	Options	Description
Color Mode	See the list of available Color Modes	Adjusts the vividness of image colors for various image types and environments
Brightness	Varying levels available	Lightens or darkens the overall image
Contrast	Varying levels available	Adjusts the difference between light and dark areas of the image
Color Saturation	Varying levels available	Adjusts the intensity of the image colors
Tint	Varying levels available	Adjusts the balance of green to magenta tones in the image

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Setting	Options	Description
Sharpness	Varying levels available	Adjusts the sharpness or softness of image details
Color Temp. (color temperature)	**Color Temp.** **Customized**	**Color Temp.**: Sets the overall color tone. Lower values tint the image red, and higher values tint the image blue. **Customized**: Adjusts the intensity of individual hues in the image
Image Enhancement	**Noise Reduction**	Reduces flickering in analog images
Advanced	**Gamma** **RGBCMY** **Deinterlacing**	**Gamma**: adjusts the coloring by selecting one of the gamma correction values, referring to the projected image, or a gamma graph. **RGBCMY**: adjusts the hue, saturation, and brightness for each color **Deinterlacing**: sets whether to convert interlaced-to-progressive signals for certain video image types • **Off**: for fast-moving video images • **Video**: for most video images • **Film/Auto**: for movies, computer graphics, and animation
Auto Iris	**Off** **Normal** **High Speed**	Adjusts the projected luminance based on the image brightness when certain Color Modes are selected

Note: The **Brightness** setting does not affect lamp brightness. To change the lamp brightness mode, use the **Power Consumption** setting.

Parent topic: Adjusting the Menu Settings

Related references

Available Image Aspect Ratios

Available Color Modes

DCMS/Publications/Projectors/Source/Menus/Reference/PL670_BL695Wi/menu_signal_settings_pl670_bl695wi.xml

Input Signal Settings - Signal Menu

Normally the projector detects and optimizes the input signal settings automatically. If you need to customize the settings, you can use the Signal menu. The available settings depend on the currently selected input source.

/DCMS/Publications/Projectors/Source/Images/Menus/PL670_685W/menu_signal_pl685w.jpg

Image		Return ↵
Signal ↵	Resolution	Auto
	Aspect	4:3
Settings	Tracking	0
	Sync.	0
Extended	Position	
	Auto Setup	Off
Network	Advanced	
	Reset	
ECO		
Info		
Reset		
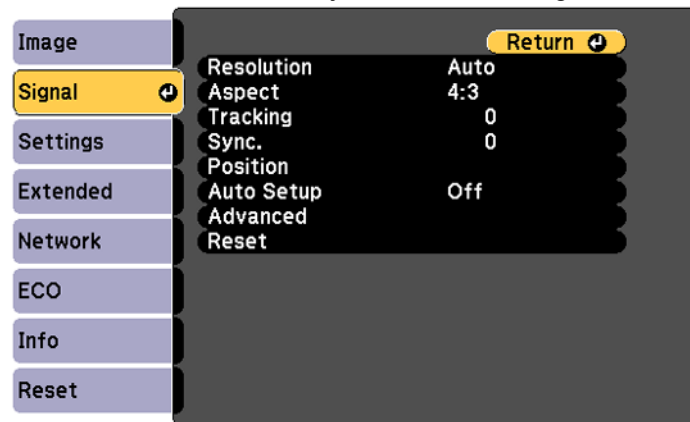
Note: You can restore the default settings of the **Position**, **Tracking**, and **Sync** settings by pressing the **Auto** button on the remote control.

To change settings for an input source, make sure the source is connected and select that source.

Setting	Options	Description
Resolution	**Auto** **Wide** **Normal**	Sets the input signal resolution if not detected automatically using the **Auto** option
Aspect	See the list of available aspect ratios	Sets the aspect ratio (width-to-height ratio) for the selected input source
Overscan	**Auto** **Off** **4%** **8%**	Changes the projected image ratio to make the edges visible by a selectable percentage or automatically
Tracking	Varying levels available	Adjusts signal to eliminate vertical stripes in computer images
Sync.	Varying levels available	Adjusts signal to eliminate fuzziness or flickering in computer images
Position	Up, down, left, right	Adjusts the image location on the screen
Auto Setup	**On** **Off**	Automatically optimizes computer image quality

Setting	Options	Description
Advanced	HDMI Video Range Input Signal Video Signal	**HDMI Video Range**: Sets the video range to match the setting of the device connected to the HDMI input port • **Auto**: detects the video range automatically • **Normal**: normally for images from a device other than a computer; can also be selected if the black areas of the image are too bright • **Expanded**: normally for images from a computer; can also be selected if the image is too dark **Input Signal**: Specifies the signal type from input sources connected to computer ports • **Auto**: detects signals automatically • **RGB**: corrects color for computer/RGB video inputs • **Component**: corrects color for component video inputs **Video Signal**: Specifies the signal type from the input sources connected to the video ports; select **Auto** to automatically detect the signal

Parent topic: Adjusting the Menu Settings

Projector Feature Settings - Settings Menu

Options on the Settings menu let you customize various projector features.

/DCMS/Publications/Projectors/Source/Images/Menus/PL670_685W/menu_settings_pl685w.jpg

Image	
Signal	
Settings	
Extended	
Network	
ECO	
Info	
Reset	

```
                              Return ↵
Geometry Correction    H/V-Keystone
Split Screen
Zoom
Image Shift
Volume                 0
HDMI Link
Lock Setting
Pointer Shape          Pointer 1
Mic Input Level        0
Remote Receiver        Front/Rear
User Button            Power Consum...
Pattern
Installation Guide
Reset
```

Setting	Options	Description
Geometry Correction	**H/V Keystone** **Quick Corner** **Arc Correction**	Adjusts image shape to rectangular (horizontally and vertically) **H/V Keystone**: lets you manually correct horizontal and vertical sides **Quick Corner**: select to correct image shape and alignment using an on-screen display **Arc Correction**: select to adjust the curve or arc of the horizontal and vertical sides

Setting	Options	Description
Split Screen	—	Divides the viewing area horizontally and displays two images side-by-side; while in Split Screen mode, press **Menu** to display the Split Screen options or **Esc** to cancel split screen display
Zoom	Varying levels available	Adjusts the size of the projected image
Image Shift	Varying positions available	Adjusts the position of the projected image
Volume	Varying levels available	Adjusts the volume of projector's speaker system or external speakers
HDMI Link	**Device Connections** **HDMI Link** **Power On Link** **Power Off Link** **Link Buffer**	Adjusts the HDMI Link options that allow the projector remote to control HDMI-connected devices that support the CEC standard **Device Connections**: lists the devices connected to the HDMI1 and HDMI2 ports **HDMI Link**: enables or disables the HDMI Link function **Power On Link**: controls what happens when you turn on the projector or a linked device **Power Off Link**: controls whether linked devices are turned off when the projector is turned off **Link Buffer**: improves the performance of operations when the HDMI Link is not functioning correctly

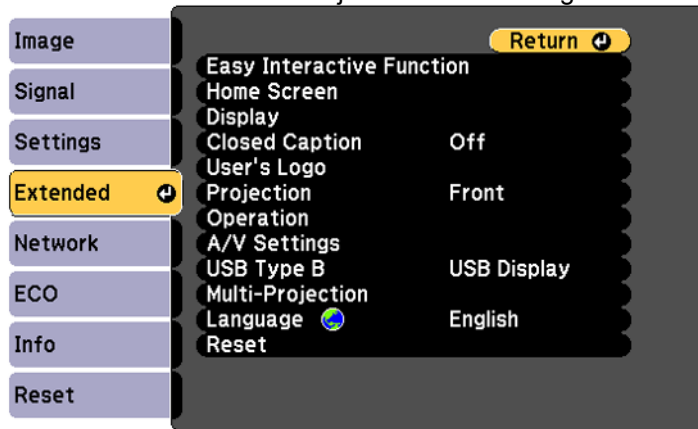| Setting	Options	Description
Lock Setting	**Control Panel Lock**	Controls projector button locking to secure the projector
		Full Lock: locks all buttons
		Partial Lock: locks all buttons except the power button
		Off: no buttons locked
Pointer Shape	Three shapes available	Changes the shape of the remote control pointer feature
Mic Input Level	Varying levels available	Adjusts the volume of the projector's speaker system when you use a connected microphone
Remote Receiver	**Front/Rear** **Front** **Rear** **Off**	Limits reception of remote control signals by the selected receiver; **Off** turns off all receivers
User Button	**Power Consumption** **Info** **Deinterlacing** **Closed Caption** **Resolution** **Mic Input Level** **Pattern Display** **Auto Calibration** **Display the QR Code** **Installation Guide**	Assigns a menu option to the **User** button on the remote control for one-touch access

Setting	Options	Description
Pattern	**Pattern Display** **Pattern Type** **User Pattern** **Test Pattern**	Selects various pattern display options **Pattern Display**: lets you display the selected pattern type on the screen to aid in presentation **Pattern Type**: selects the type of grid or line pattern to display **User Pattern**: captures a projected screen and saves it as a pattern for display **Test Pattern**: displays a test pattern to assist in focusing and zooming the image and correcting image shape
Installation Guide	—	Displays a test pattern for installing and positioning the projector.

Parent topic: Adjusting the Menu Settings

Projector Setup Settings - Extended Menu

Settings on the Extended menu let you customize various projector setup features that control its operation.

/DCMS/Publications/Projectors/Source/Images/Menus/BL695Wi/menu_extended_bl695wi.jpg

Easy Interactive Function Settings

Setting	Options	Description
General Easy Interactive Function settings		
Auto Calibration **Manual Calibration**	—	Start calibration for the interactive pens

Setting	Options	Description
Touch Unit Setup (BrightLink 695Wi+)	**Installation Pattern** **Power** **Angle Adjustment** **Touch Calibration**	Select settings for the Touch Unit **Installation Pattern**: displays reference points to help you determine the installation position of the Touch Unit **Power**: turns on the Touch Unit power **Angle Adjustment**: performs angle adjustment for laser diffusion **Touch Calibration**: performs calibration for finger touch operations
Pen Mode	**PC Free Annotation** **PC Interactive**	Selects the mode for the interactive pens **PC Free Annotation**: draws on the projected screen without software or PC required **PC Interactive**: operates a mouse or interactive device from the projected screen using the interactive pen or your finger (BrightLink 695Wi+)
Hovering	**On** **Off**	Turns the pen hovering feature on and off; when set to **On**, the pointer follows the pen tip as you hover it over the screen and move it around

Setting	Options	Description
Advanced	Distance of Projectors Sync of Projectors Multi-Projection Wired Sync Mode Preset Pen Thickness Eraser Size Color Palette Pen Button Function Default Touch Action Confirm Clear Screen	Selects various settings for interactive features **Distance of Projectors**, **Sync of Projectors**, **Multi-Projection**, and **Wired Sync Mode**: let you adjust features for using multiple projectors of the same model in the same room **Preset Pen Thickness**: lets you select the default pen thickness when using the drawing tools **Eraser Size**: lets you select the default eraser size when selecting the eraser tool **Color Palette**: lets you choose a different palette if certain colors are difficult to see **Pen Button Function**: selects the function of the button on the interactive pen in annotation mode **Default Touch Action**: selects the default action when performing touch operations in annotation mode (BrightLink 695Wi+) **Confirm Clear Screen**: lets you display a confirmation screen before clearing all of the content
PC Interactive Easy Interactive Function settings		
Pen Operation Mode (BrightLink 695Wi+)	Windows/Mac Mode Ubuntu mode	Sets the correct operating system for the interactive pen features

Setting	Options	Description
Enable Right Click	On Off	Lets you use a long pen press or finger press (BrightLink 695Wi+) as a right-click operation when using mouse mode
Advanced	Pen Tip Button Auto Adjust Pen Area Manual Adj. Pen Area	Select pen operation and adjustment options **Pen Tip Button**: assign either **Right Click** or **Left Click** to the pen tip button Select either **Auto Adjust Pen Area** or **Manual Adj. Pen Area** as the pen area adjustment option

Other Extended Settings

Setting	Options	Description
Home Screen	Home Screen Auto Disp. Custom Function 1 Custom Function 2	Adjust settings on the Home Screen **Home Screen Auto Disp.**: controls whether the Home screen displays automatically when the projector is turned on **Custom Function 1/Custom Function 2**: let you customize the options displayed on the Home screen and save your settings as a preset

Setting	Options	Description
Display	**Messages** **Display Background** **Startup Screen** **A/V Mute** **Color Uniformity** **Toolbars** **Pen Mode Icon** **Projector Control**	Selects various display options **Messages**: controls whether messages are displayed on the screen **Display Background**: selects the screen color or logo to display when no signal is received **Startup Screen**: controls whether a special screen appears when the projector starts up **A/V Mute**: selects the screen color or logo to display when A/V Mute is turned on **Color Uniformity**: adjusts the color tone balance **Toolbars**: controls whether the drawing toolbar is always displayed when in annotation mode **Pen Mode Icon**: controls the display and position of the pen icon in interactive computer mode **Projector Control**: controls where the projector control toolbar is displayed on the screen
Closed Caption	**Off** **CC1** **CC2**	Controls use of closed captions and selects the closed caption type (closed captions are only visible for NTSC signals connected through the **S-Video** or **Video** ports)

Setting	Options	Description
User's Logo	——	Creates a screen that the projector displays to identify itself and enhance security
Projection	Front Front/Upside Down Rear Rear Upside Down	Selects the way the projector faces the screen so the image is oriented correctly

Setting	Options	Description
Operation	**Direct Power On**	Selects various operation options
	High Altitude Mode	**Direct Power On**: lets you turn on the projector without pressing the power button
	Auto Source Search	**High Altitude Mode**: regulates the projector's operating temperature at altitudes above 4921 feet (1500 m)
	Auto Power On	
	Monitor Out Port	
	Connect ELPCB02	**Auto Source Search**: automatically detects the image signal that is input when the projector is turned on
	Date & Time	
		Auto Power On: automatically turns the projector on when it detects an input signal from the selected port
		Monitor Out Port: specifies the function of the Monitor Out/Computer2 port
		Connect ELPCB02: allows you to switch between the **HDMI2** and **HDMI3** sources when you press the **HDMI2** button on the optional PowerLite Pilot 2 control box
		Date & Time: adjusts the projector's date and time settings
		• **Daylight Savings Time**: enables daylight savings time
		• **Internet Time**: updates the time automatically via an online time server

Setting	Options	Description
A/V Settings	A/V Output Audio Output HDMI1 Audio Output HDMI2 Audio Output HDMI3 Audio Output	Selects the following when the projector is in standby mode (turned off): A/V Output: the Always On setting indicates that the projector output audio and video signals even while it is standby mode; only available when Standby Mode is set to Communication On Audio Output: selects the audio input port when projecting images from the Computer1, Computer2, Video, and USB-A ports HDMI1 Audio Output, HDMI2 Audio Output, and HDMI3 Audio Output: selects which Audio port provides audio when viewing images from the HDMI1, HDMI2, and HDMI3 ports

Setting	Options	Description
USB Type B	**Easy Interactive Function** **USB Display/Easy Interactive Function** **Wireless Mouse/USB Display**	Selects what happens when you connect your computer to the projector's **USB-B** port **Easy Interactive Function**: lets you use the interactive pens or your finger (BrightLink 695Wi+) with your computer **USB Display/Easy Interactive Function**: lets you display your computer's image through the USB port and use the interactive pens or your finger (BrightLink 695Wi+) with your computer **Wireless Mouse/USB Display**: lets you use the wireless mouse feature and display your computer's image through the USB port (interactivity not available)

Setting	Options	Description
Multi-Projection	**Multi-Projection** **Projector ID** **Color Mode** **Color Uniformity** **Brightness Level** **Color Matching** **RGBCMY** **Reset**	Selects the following when you use multiple projectors: **Multi-Projection**: matches the display settings of multiple projectors **Projector ID**: assigns an ID for the projector when you use multiple projectors **Color Mode**: adjusts the vividness of image colors for various image types and environments **Color Uniformity**: adjusts the color tone balance **Brightness Level**: lightens or darkens the overall image **Color Matching**: corrects the difference in tint and brightness for each projected image **RGBCMY**: adjusts the hue, saturation, and brightness for each color **Reset**: resets all of the Multi-Projection settings to their default values
Language	Various languages available	Selects the language for projector menu and message displays (not changed by **Reset** option)

Parent topic: Adjusting the Menu Settings

Related tasks
Calibrating Automatically
Calibrating Manually

DCMS/Publications/Projectors/Source/Menus/Reference/PL670_BL695Wi/menu_network_settings_pl670_bl695wi.xml

Projector Network Settings - Network Menu

Settings on the Network menu let you view network information and set up the projector for monitoring and control over a network.

/DCMS/Publications/Projectors/Source/Images/Menus/BL695Wi/menu_network_bl695wi.jpg
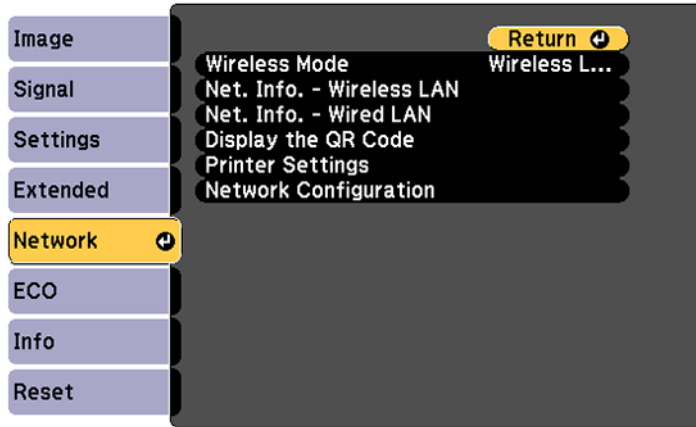
Setting	Options	Description
Wireless Mode	**Wireless LAN On** **Off**	Enable or disable wireless communication

Setting	Options	Description
Net. Info - Wireless LAN	Connection mode Wireless LAN Sys. Antenna level Projector Name SSID DHCP IP Address Subnet Mask Gateway Address MAC Address Region Code	Displays wireless network status and details
Net. Info - Wired LAN	Projector Name DHCP IP Address Subnet Mask Gateway Address MAC Address	Displays wired network status and details
Display the QR Code	—	Displays the QR code for quick connection to a mobile device
Printer Settings	IP Address Quality Paper Size	Configures the settings for printing images with the interactive function
Network Configuration	Accesses additional network menus	Configures your network settings

Parent topic: Adjusting the Menu Settings

Related concepts

Wired Network Projection

Wireless Network Projection

Projector Setup Settings - ECO Menu

Settings on the ECO menu let you customize projector functions to save power. When you select a power-saving setting, a leaf icon appears next to the menu item.

/DCMS/Publications/Projectors/Source/Images/Menus/PL670_685W/menu_eco_pl685w.jpg

Setting	Options	Description
Power Consumption	**Auto** **Normal** **ECO** **ECO2** (BrightLink 685Wi+/695Wi+ only)	Selects the brightness mode of the projector lamp **Auto**: allows the projector to sense the optimum lamp brightness and adjust the lamp brightness accordingly **Normal**: sets maximum lamp brightness **ECO**: reduces lamp brightness and fan noise, and saves power and lamp life **ECO2**: reduces fan noise less than **ECO**
Light Optimizer	**On** **Off**	When **Power Consumption** is set to **Normal**, the lamp brightness is adjusted based on the projected image; you can set this option for each color mode
Sleep Mode	**On** **Off**	Automatically places the projector in standby mode after an interval of inactivity
Sleep Mode Timer	1 to 30 minutes	Sets the interval for Sleep Mode
A/V Mute Timer	**On** **Off**	Automatically turns off the projector after 30 minutes if **A/V Mute** is enabled
Standby Mode	**Communication On** **Communication Off**	Enable this setting to allow the following operations to occur when the projector is in standby mode: • Monitor and control the projector over a network • Output audio and video to an external device (A/V Output must be set to **Always On**)

Setting	Options	Description
ECO Display	On Off	Displays a leaf icon in the bottom left corner of the projected screen to indicate the power-saving status when the lamp brightness changes

Note: The **Power Consumption** setting is disabled if you turn on the **Multi-Projection** setting in the Extended menu.

Parent topic: Adjusting the Menu Settings

DCMS/Publications/Projectors/Source/Menus/Reference/menu_info_display_network_submenus.xml

Projector Information Display - Info Menu

You can display information about the projector and input sources by viewing the Info menu. However, you cannot change any settings in the menu.

/DCMS/Publications/Projectors/Source/Images/Menus/BLP1420Wi_1430Wi/menu_info_blp1420wi_1430wi.jpg
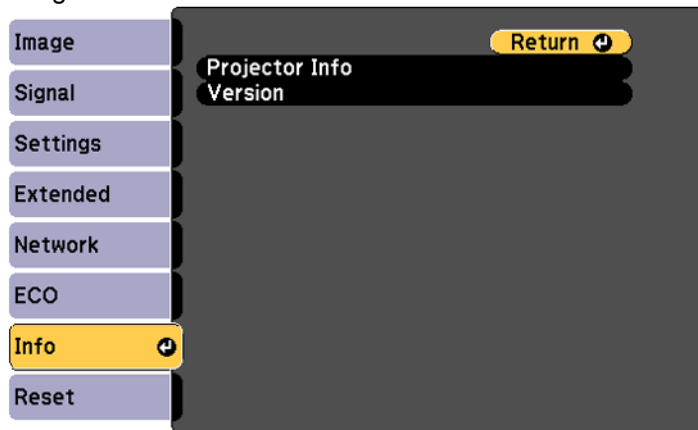
Select **Version** to display the projector's firmware version. Select **Projector Info** to display the settings described below.

Note: Available settings depend on the current input source. The lamp usage timer does not register any hours until you have used the lamp for at least 10 hours.

Information item	Description
Lamp Hours	Displays the number of hours (**H**) the lamp has been used in **Normal** and **ECO** Power Consumption modes; if the information is displayed in yellow, obtain a genuine Epson replacement lamp soon
Source	Displays the name of the port to which the current input source is connected
Input Signal	Displays the input signal setting of the current input source
Resolution	Displays the resolution of the current input source
Video Signal	Displays the video signal format of the current input source
Refresh Rate	Displays the refresh rate of the current input source
Sync Info	Displays information that may be needed by a service technician
Status	Displays information about projector problems that may be needed by a service technician
Serial Number	Displays the projector's serial number
Event ID	Displays the Event ID number corresponding to a specific projector problem; see the list of Event ID codes

Event ID Code List

Parent topic: Adjusting the Menu Settings

Related references

Optional Equipment and Replacement Parts

Projector Lamp Specifications

DCMS/Publications/Projectors/Source/Menus/Reference/PL670_BL695Wi/menu_event_id_codes_pl670_bl695wi.xml

Event ID Code List

If the **Event ID** option on the Info menu displays a code number, check this list of Event ID codes for the solution to the projector problem associated with the code.

Event ID code	Cause and solution
0432	The network software did not start. Turn the projector off and then on again.
0435	
0434	Unstable network communication. Check the network communication status, wait a few moments, and try connecting to the network again.
0481	
0482	
0485	
0433	Cannot display the transferred images. Restart the network software.
0483	The network software quit unexpectedly. Check the network communication status, then turn the projector off and then on again.
04FE	
0484	Communication with computer was disconnected. Restart the network software.
0479	A projector system error has occurred. Turn the projector off and then on again.
04FF	
0891	Cannot find the SSID (network name). Make sure your computer and projector are connected to your access point's current SSID.
0892	The WPA/WPA2 authentication type does not match. Make sure the wireless network security settings are correct.
0893	The TKIP/AES encryption type does not match. Make sure the wireless network security settings are correct.
0894	Communication with unauthorized access point was disconnected. Contact your network administrator.
0898	Failed to acquire DHCP address. Make sure the DHCP server is operating correctly. If you are not using DHCP, turn off the **DHCP** setting in the Network menus.
0899	A communication error has occurred. Try restarting the network software and restarting your projector. If that does not solve the problem, contact Epson for help.

Parent topic: Projector Information Display - Info Menu

Projector Reset Options - Reset Menu

You can reset most of the projector settings to their default values using the **Reset All Config** option on the Reset menu.

You can also reset the projector's lamp usage timer to zero when you replace the lamp using the **Reset Lamp Hours** option.

/DCMS/Publications/Projectors/Source/Images/Menus/PL670_685W/menu_reset_pl685w_bl695wi.jpg
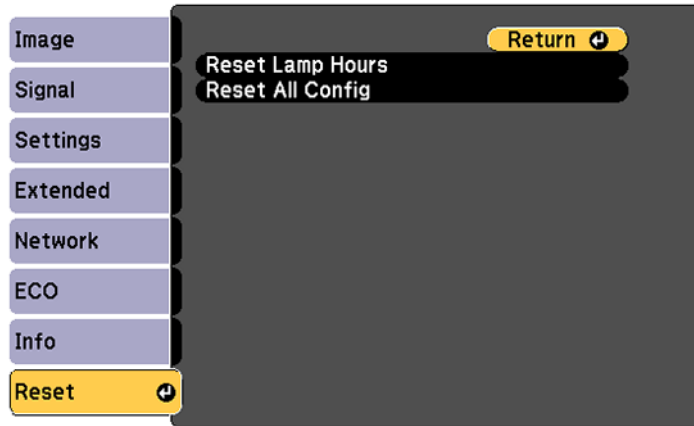
You cannot reset the following settings using the **Reset All Config** option:

- Input Signal
- User's Logo
- Language
- Network menu items
- Lamp Hours
- Password
- Zoom
- Image Shift
- Date & Time
- Color Uniformity

- Color Matching

Parent topic: Adjusting the Menu Settings

Maintaining and Transporting the Projector

Follow the instructions in these sections to maintain your projector and transport it from place to place.

Projector Maintenance

Transporting the Projector

Projector Maintenance

Your projector needs little maintenance to keep working at its best.

You may need to clean the projection window and obstacle sensor periodically, and clean the air filter and air vents to prevent the projector from overheating due to blocked ventilation.

The only parts you should replace are the lamp, air filter, pen batteries and tips, and remote control batteries. If any other part needs replacing, contact Epson or an authorized Epson servicer.

Warning: Before cleaning any part of the projector, turn it off and unplug the power cord. Never open any cover on the projector, except as specifically explained in this manual. Dangerous electrical voltages in the projector can injure you severely.

Warning: Do not try to service this product yourself, except as specifically explained in this manual. Refer all other servicing to qualified servicers.

Cleaning the Projection Window

Cleaning the Obstacle Sensor

Cleaning the Projector Case

Air Filter and Vent Maintenance

Projector Lamp Maintenance

Replacing the Remote Control Batteries

Replacing the Soft Pen Tips

Replacing the Hard Pen Tips

Parent topic: Maintaining and Transporting the Projector

Cleaning the Projection Window

Clean the projection window periodically, or whenever you notice dust or smudges on the surface.

• To remove dust or smudges, gently wipe the projection window with lens-cleaning paper.

• To remove stubborn smudges, moisten a soft, lint-free cloth with lens cleaner and gently wipe the projection window.

Warning: Do not use a lens cleaner that contains flammable gas. The high heat generated by the projector lamp may cause a fire.

Caution: Do not use canned air, or the gases may leave a flammable residue.

Parent topic: Projector Maintenance

Cleaning the Obstacle Sensor

Clean the projector's obstacle sensor glass (circled in red) periodically, or if you see a message telling you to remove any obstacles that are interfering with the projection area.

/DCMS/Publications/Projectors/Source/Images/Maintenance/PL670_BL695Wi/sensor_clean_bl695wi.jpg
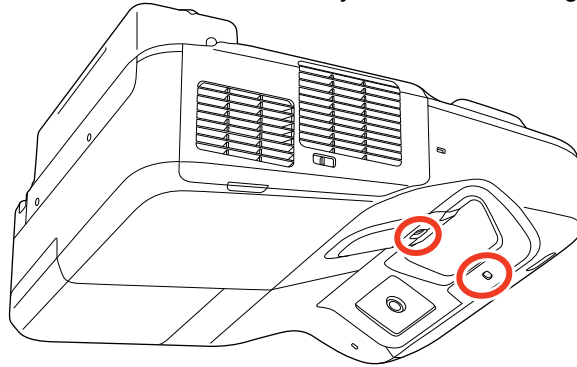
• To remove dust or smudges, gently wipe the obstacle sensor glass with lens-cleaning paper.

- To remove stubborn smudges, moisten a soft, lint-free cloth with lens cleaner and gently wipe the obstacle sensor glass.

  Warning: Do not use a lens cleaner that contains flammable gas. The high heat generated by the projector lamp may cause a fire.

  Caution: Do not use canned air, or the gases may leave a flammable residue.

  Parent topic: Projector Maintenance

DCMS/Publications/Projectors/Source/Maintenance/Tasks/cleaning_projector.xml

Cleaning the Projector Case

Before cleaning the projector case, turn off the projector and unplug the power cord.

- To remove dust or dirt, use a soft, dry, lint-free cloth.

- To remove stubborn dirt, use a soft cloth moistened with water and mild soap. Do not spray liquid directly on the projector.

  Caution: Do not use wax, alcohol, benzine, paint thinner, or other chemicals to clean the projector case. These can damage the case. Do not use canned air, or the gases may leave a residue.

  Parent topic: Projector Maintenance

DCMS/Publications/Projectors/Source/Maintenance/Concepts/maint_filter_vent.xml

Air Filter and Vent Maintenance

Regular filter maintenance is important to maintaining your projector. Your Epson projector is designed with an easily accessible, user-replaceable filter to protect your projector and make regular maintenance simple. Filter maintenance intervals will depend on the environment.

If regular maintenance is not performed, your Epson projector will notify you when the temperature inside the projector has reached a high level. Do not wait until this warning appears to maintain your projector filter as prolonged exposure to high temperatures may reduce the life of your projector or lamp.

Damage due to the failure to properly maintain the projector or its filter may not be covered by the projector or lamp Limited Warranties.

Cleaning the Air Filter and Vents

Replacing the Air Filter

Parent topic: Projector Maintenance

Cleaning the Air Filter and Vents

Clean the projector's air filter or vents if they get dusty, or if you see a message telling you to clean them.

Caution: Do not use water or any detergent to clean the air filter. Do not use canned air, or the gases may leave a flammable residue.
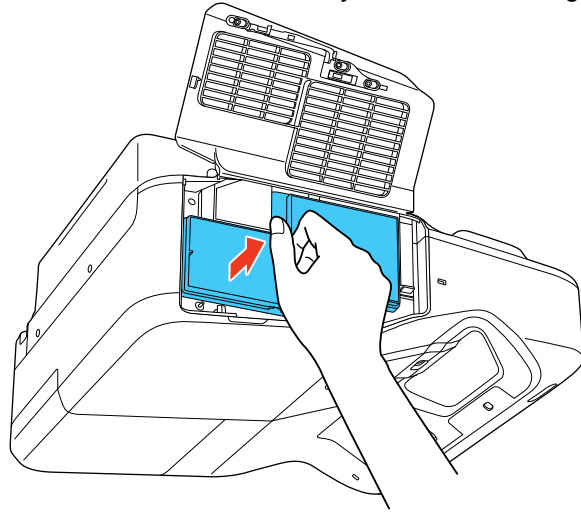
1. Turn off the projector and unplug the power cord.

2. Slide the air filter cover latch and open the air filter cover.

/DCMS/Publications/Projectors/Source/Images/Maintenance/PL670_BL695Wi/filter_cover_open_bl695wi.
jpg
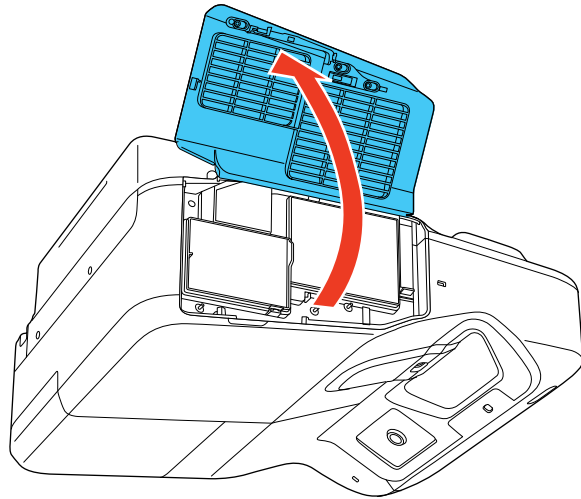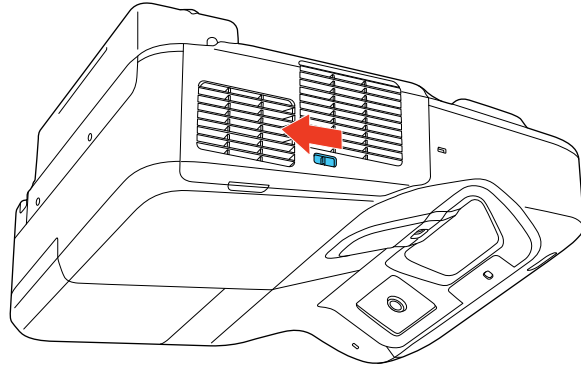
3. Pull the air filter out of the projector.

/DCMS/Publications/Projectors/Source/Images/Maintenance/PL670_BL695Wi/filter_remove_bl695wi.jpg
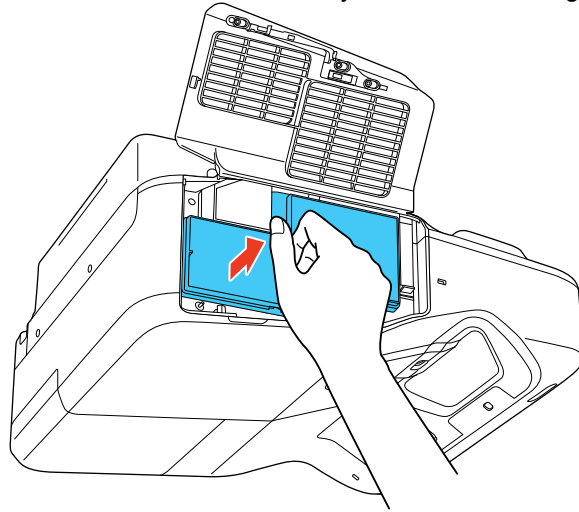
4. Vacuum the front of the air filter (the side with the tabs) to remove any remaining dust.

/DCMS/Publications/Projectors/Source/Images/Maintenance/BL575Wi_585Wi_595Wi/filter_vacum_bl575 wi_585wi_595wi.jpg
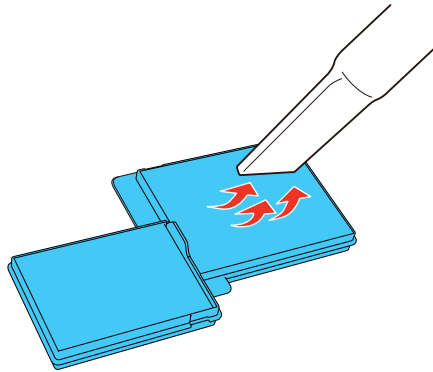
Note: If dust is difficult to remove or the air filter is damaged, replace the air filter.

5. Place the air filter back in the projector as shown.

/DCMS/Publications/Projectors/Source/Images/Maintenance/PL670_BL695Wi/filter_install_bl695wi.jpg
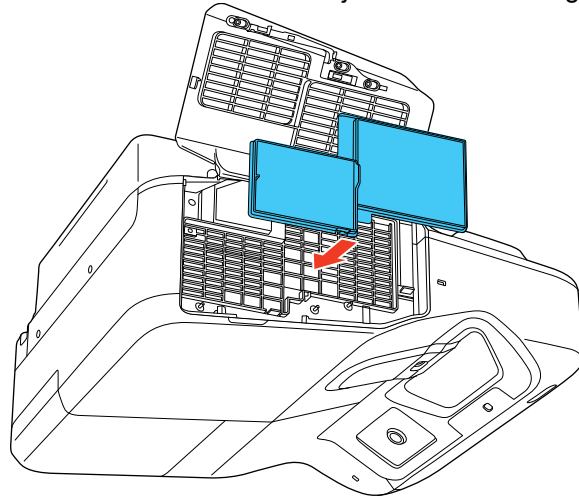
6. Close the air filter cover and slide the latch.

/DCMS/Publications/Projectors/Source/Images/Maintenance/PL670_BL695Wi/filter_cover_close_bl695wi.jpg
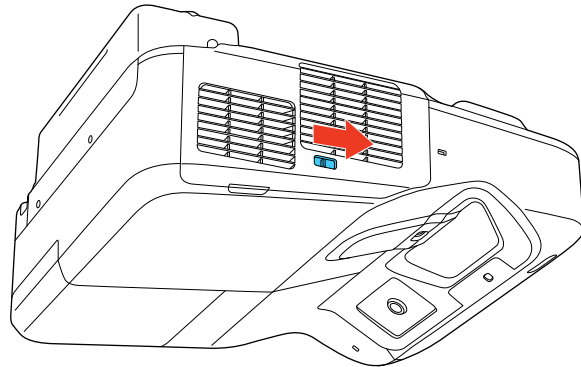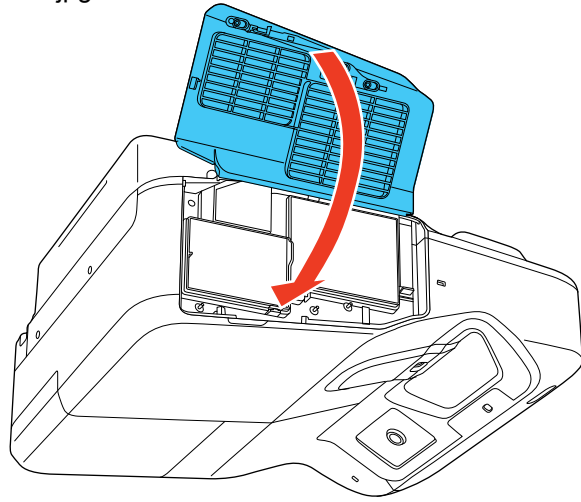
Parent topic: Air Filter and Vent Maintenance

DCMS/Publications/Projectors/Source/Maintenance/Tasks/replacing_air_filter_with_cover_on_wall.xml
Replacing the Air Filter

You need to replace the air filter in the following situations:

- After cleaning the air filter, you see a message telling you to clean or replace it

- The air filter is torn or damaged

You can replace the air filter while the projector is mounted on the wall or ceiling.

1. Turn off the projector and unplug the power cord.

2. Slide the air filter cover latch and open the air filter cover.

/DCMS/Publications/Projectors/Source/Images/Maintenance/PL670_BL695Wi/filter_cover_open_bl695wi.
jpg
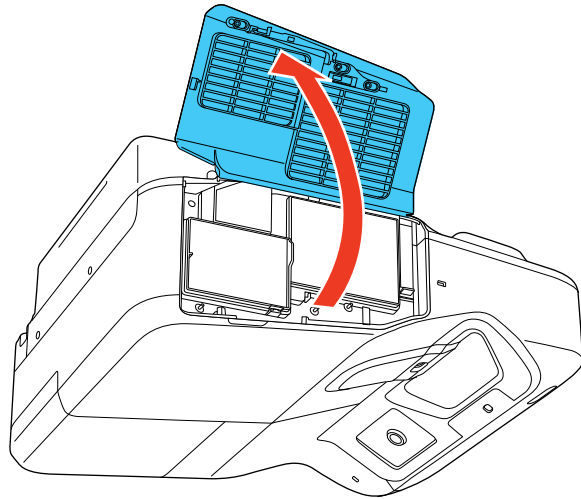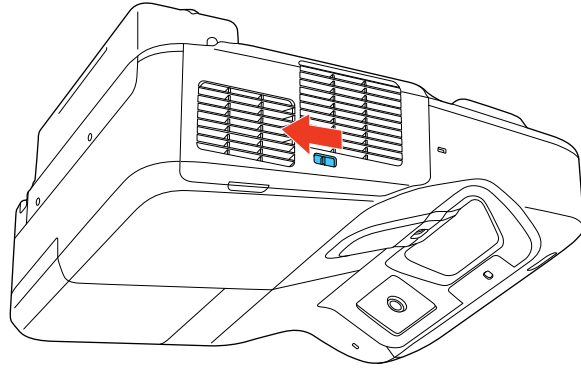
3. Pull the air filter out of the projector.

/DCMS/Publications/Projectors/Source/Images/Maintenance/PL670_BL695Wi/filter_remove_bl695wi.jpg

Note: Air filters contain polypropylene. Dispose of used air filters according to local regulations.

4. Place the new air filter in the projector as shown.

/DCMS/Publications/Projectors/Source/Images/Maintenance/PL670_BL695Wi/filter_install_bl695wi.jpg
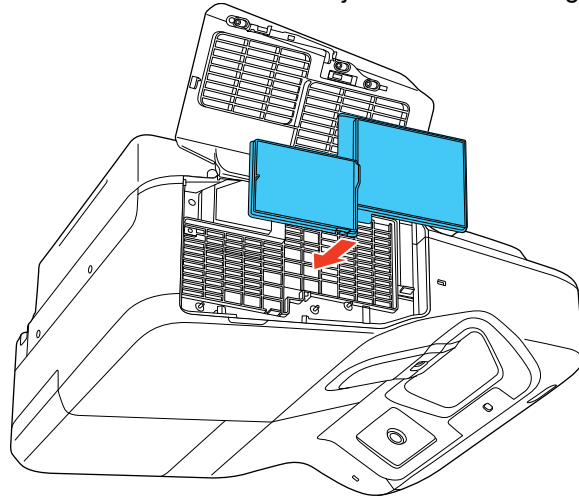
5. Close the air filter cover and slide the latch.

/DCMS/Publications/Projectors/Source/Images/Maintenance/PL670_BL695Wi/filter_cover_close_bl695wi.jpg
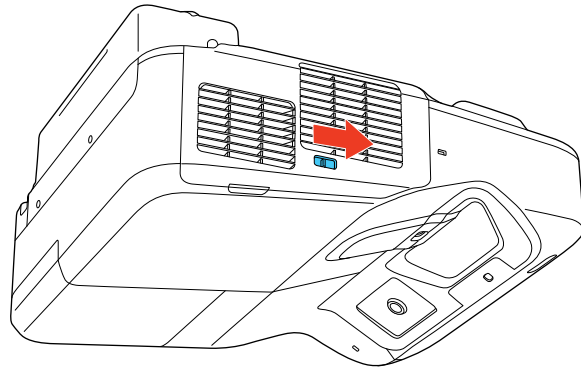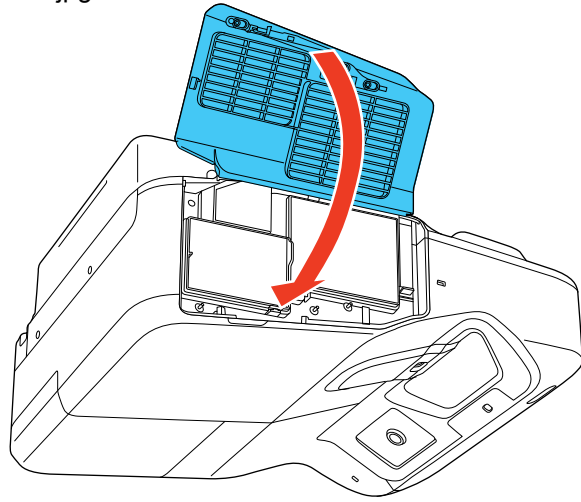
Parent topic: Air Filter and Vent Maintenance

Projector Lamp Maintenance

The projector keeps track of the number of hours the lamp is used and displays this information in the projector's menu system.

Replace the lamp as soon as possible when the following occurs:

- The projected image gets darker or starts to deteriorate
- A message appears when you turn on the projector telling you to replace the lamp
- The projector's Lamp light is flashing orange and its power light is flashing blue

Replacing the Lamp
Resetting the Lamp Timer

Parent topic: Projector Maintenance

Related references

Optional Equipment and Replacement Parts
Projector Lamp Specifications
Projector Information Display - Info Menu

Replacing the Lamp

Before you replace the lamp, let the projector cool down for at least one hour so the lamp will not be hot.

Warning: Let the lamp fully cool before replacing it to avoid injury.

You can replace the lamp while the projector is mounted on the wall or ceiling.

1. Turn off the projector and unplug the power cord.
2. Allow the projector lamp to cool down for at least one hour.

   Warning: If the lamp is broken, glass fragments may be loose inside the lamp chamber. Be careful removing any broken glass to avoid injury. If the projector is mounted on the wall or ceiling, stand to the side in case the lamp is broken.

3. Use the screwdriver included with the replacement lamp to loosen the screw securing the lamp cover.

/DCMS/Publications/Projectors/Source/Images/Maintenance/PL670_BL695Wi/lamp_cover_screw_remove_bl695wi.jpg
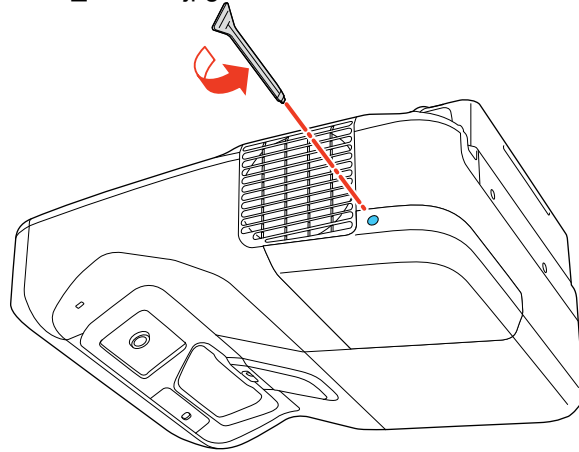
4. Slide off the lamp cover.

/DCMS/Publications/Projectors/Source/Images/Maintenance/PL670_BL695Wi/lamp_cover_remove_bl695wi-01.jpg
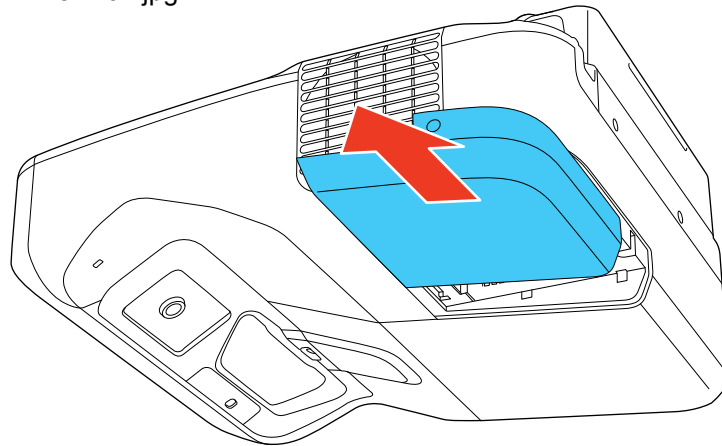
5. Loosen the screws securing the lamp to the projector. The screws do not come all the way out.

/DCMS/Publications/Projectors/Source/Images/Maintenance/PL670_BL695Wi/lamp_screw_remove_bl695wi.jpg
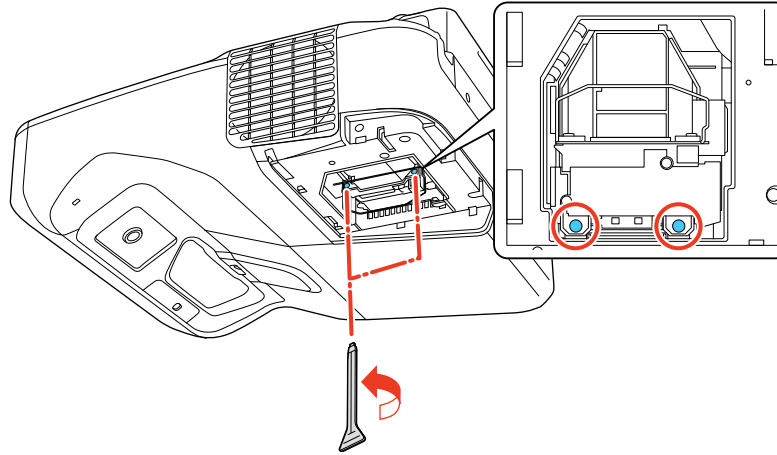
6. Lift up the lamp handle and gently pull the lamp out of the projector.

/DCMS/Publications/Projectors/Source/Images/Maintenance/PL670_BL695Wi/lamp_handle_remove_pl685w_bl695wi.jpg
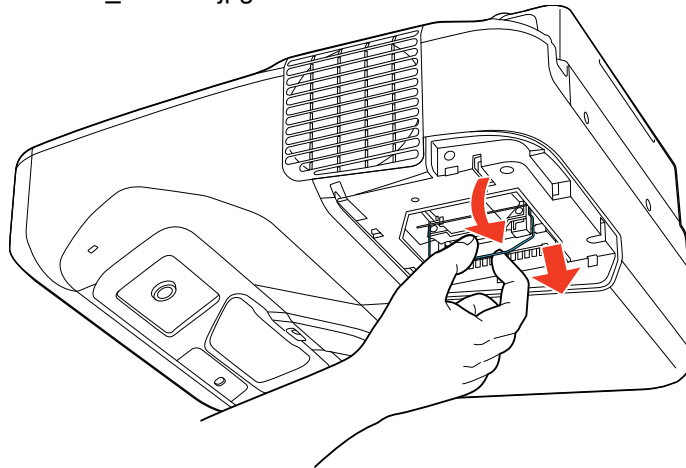
Note: (Hg) The lamp(s) in this product contain mercury. Please consult your state and local regulations regarding disposal or recycling. Do not put in the trash.

7. Gently insert the new lamp into the projector along the guide rail. If it does not fit easily, make sure it is facing the right way. Press the handle down.

   Caution: Do not touch any glass on the lamp assembly to avoid premature lamp failure.

   /DCMS/Publications/Projectors/Source/Images/Maintenance/PL670_BL695Wi/lamp_handle_install_bl695 wi.jpg
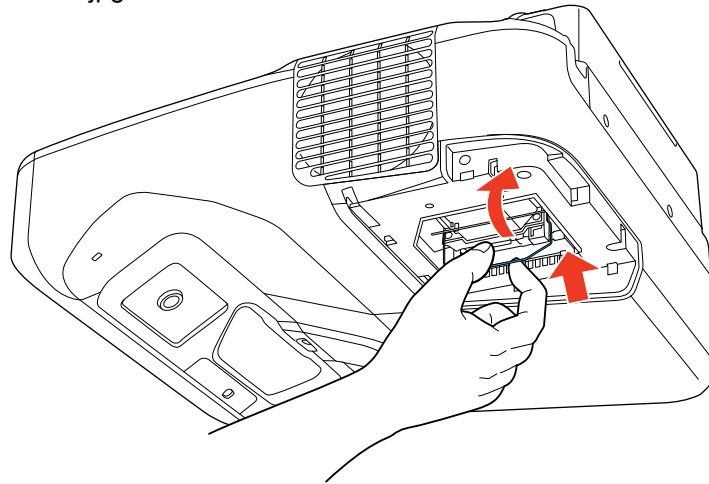
8. Tighten the screws to secure the lamp.

/DCMS/Publications/Projectors/Source/Images/Maintenance/PL670_BL695Wi/lamp_screw_install_bl695
wi-01.jpg
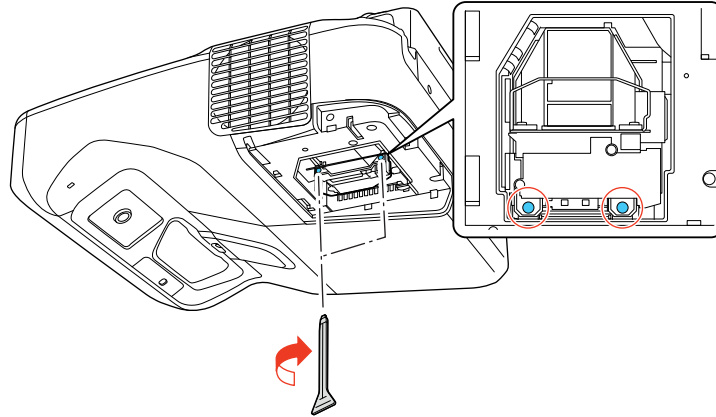
9. Replace the lamp cover and tighten the screw to secure it.

/DCMS/Publications/Projectors/Source/Images/Maintenance/PL670_BL695Wi/lamp_cover_close_screw_
bl695wi.jpg
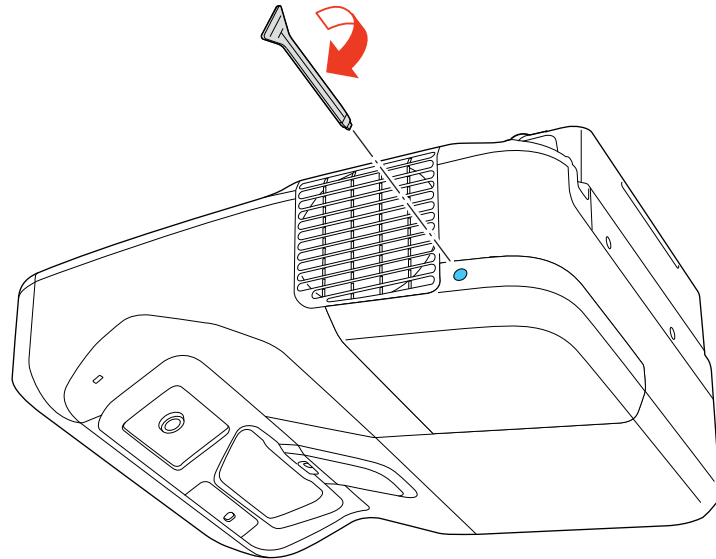
Note: Be sure the lamp cover is securely installed or the lamp will not come on.

Reset the lamp timer to zero to keep track of the new lamp's usage.

Parent topic: Projector Lamp Maintenance

Related tasks

Resetting the Lamp Timer

DCMS/Publications/Projectors/Source/Maintenance/Tasks/resetting_lamp_timer.xml

Resetting the Lamp Timer

You must reset the lamp timer after replacing the projector's lamp to clear the lamp replacement message and to keep track of lamp usage correctly.

Note: Do not reset the lamp timer if you have not replaced the lamp to avoid inaccurate lamp usage information.

1. Turn on the projector.

2. Press the **Menu** button.

3. Select the **Reset** menu and press **Enter**.

/DCMS/Publications/Projectors/Source/Images/Menus/PL670_685W/menu_reset_pl685w_bl695wi.jpg
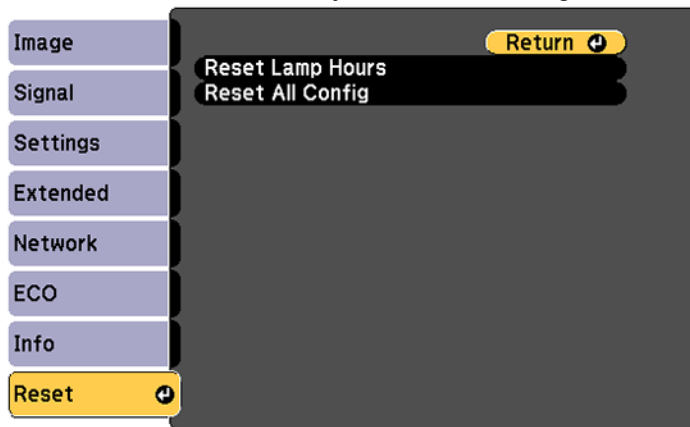
4. Select **Reset Lamp Hours** and press **Enter**.

You see a prompt asking if you want to reset the lamp hours.

5. Select **Yes** and press **Enter**.

6. Press **Menu** or **Esc** to exit the menus.

Parent topic: Projector Lamp Maintenance

Related tasks
Replacing the Lamp

DCMS/Publications/Projectors/Source/Maintenance/Tasks/replacing_remote_batteries_typeab.xml
Replacing the Remote Control Batteries

The remote control uses two AA manganese or alkaline batteries. Replace the batteries as soon as they run out.

Caution: Use only the type of batteries specified in this manual. Do not install batteries of different types, or mix new and old batteries.

1. Remove the battery cover as shown.

/DCMS/Publications/Projectors/Source/Images/Setup/battery_cover_open_typeab.jpg
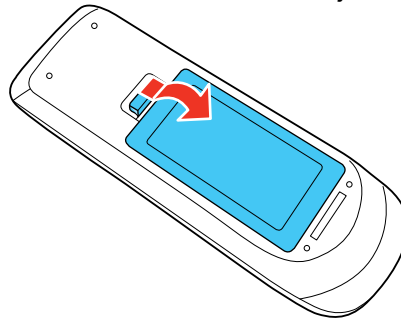
2. Remove the old batteries.

Warning: If the battery fluid has leaked, wipe it away with a soft cloth and avoid getting the fluid on your hands. If it gets on your hands, wash them immediately to avoid injury.

3. Insert the batteries with the **+** and **–** ends facing as shown.

/DCMS/Publications/Projectors/Source/Images/Remote_Controls/TypeAB/battery_insertion_ex7230_plw28p.jpg

4. Replace the battery cover and press it down until it clicks into place.

/DCMS/Publications/Projectors/Source/Images/Setup/battery_cover_close_typeab.jpg

Warning: Dispose of used batteries according to local regulations. Do not expose batteries to heat or flame. Keep batteries out of the reach of children; they are choking hazards and are very dangerous if swallowed.

Parent topic: Projector Maintenance

Replacing the Soft Pen Tips

If the pen tips become damaged or no longer work correctly, you can replace them.

1. Twist off the tip of the pen to remove it.
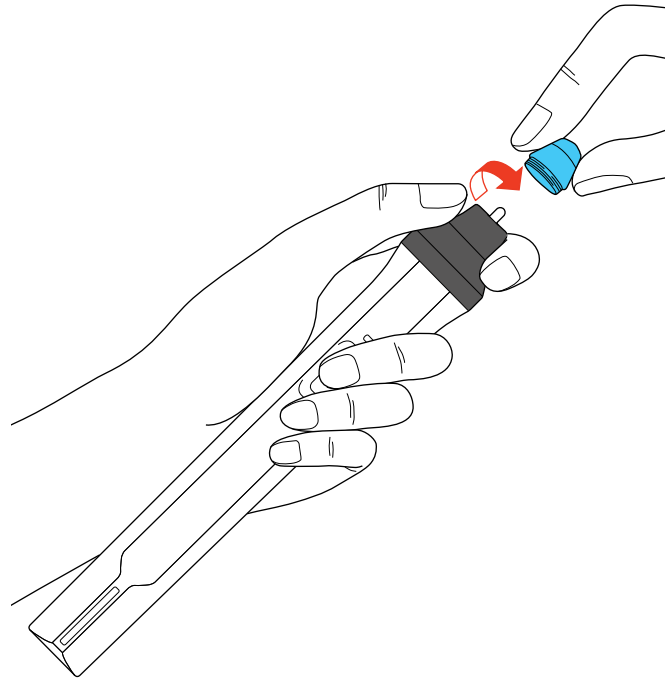
2. Remove the soft tip.
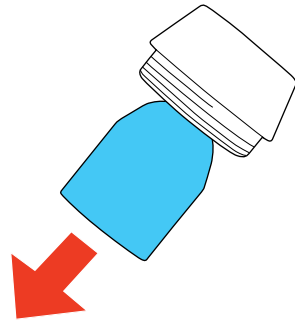
3. Insert the new tip.
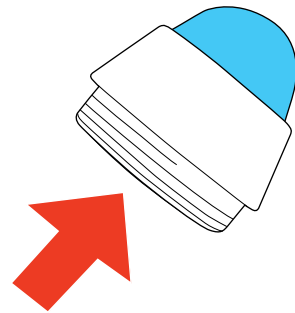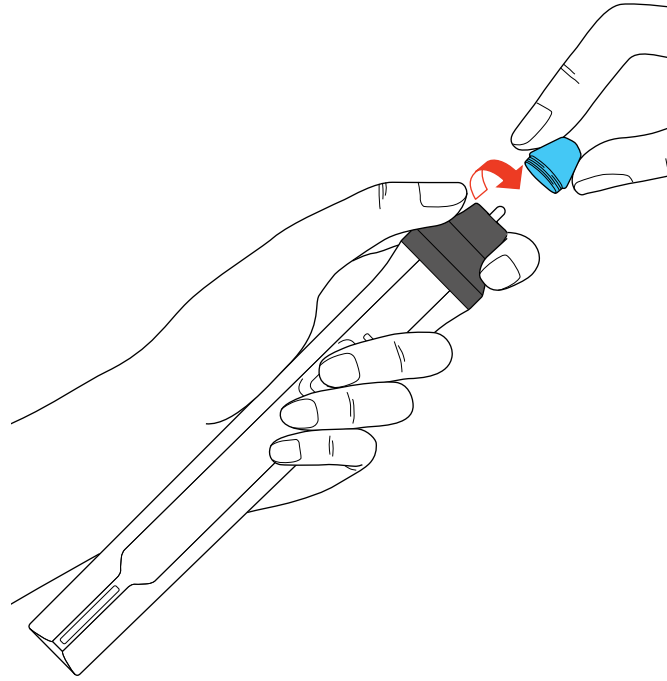
4. Twist on the pen tip.
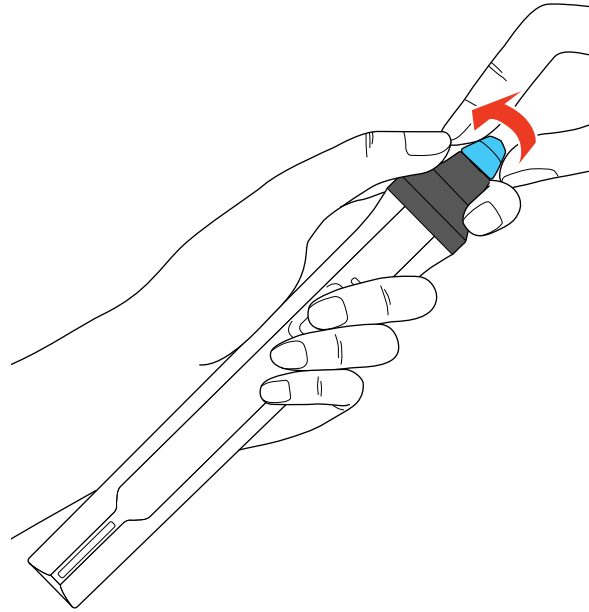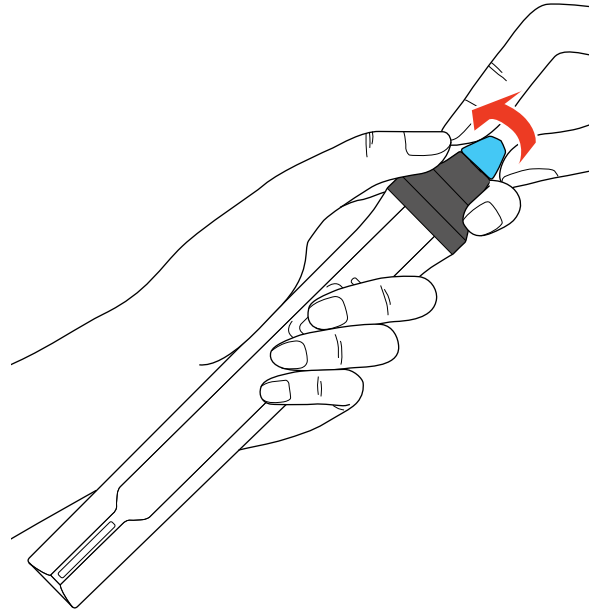
Parent topic: Projector Maintenance

DCMS/Publications/Projectors/Source/Maintenance/Tasks/replacing_pen_tips_hard_bl685wi_blp1460ui.xml
Replacing the Hard Pen Tips

If the pen tips become damaged or no longer work correctly, you can replace them.

1. Twist off the tip of the pen to remove it.

2. Twist on the new tip.

Parent topic:

Transporting the Projector

The projector contains precision parts, some of which are glass. Follow these guidelines to transport, ship, or store the projector safely:

• Remove any equipment connected to the projector.

• When transporting the projector a long distance or as checked luggage, pack it in a firm box with cushioning around it and mark the box "Fragile."

• When shipping the projector for repairs, place it in its original packing materials, if possible, or use equivalent materials with cushioning around the projector. Mark the box "Fragile."

Note: Epson shall not be liable for any damages incurred during transportation.

Parent topic: Maintaining and Transporting the Projector

Solving Problems

Check the solutions in these sections if you have any problems using the projector.

Projection Problem Tips

Projector Light Status

Using the Projector Help Displays

Solving Image or Sound Problems

Solving Projector or Remote Control Operation Problems

Solving Interactive Problems

Solving Network Problems

Where to Get Help

DCMS/Publications/Projectors/Source/Troubleshooting/Concepts/problem_solving_tips.xml

Projection Problem Tips

If the projector is not working properly, try turning it off and unplugging it. Then plug it back in and turn it on.

If this does not solve the problem, check the following:

• The lights on the projector may indicate what the problem is.

• The Help option on the Home screen can display information about common problems, if the projector is operating.

• The solutions in this manual can help you solve many problems.

If none of these solutions help, you can contact Epson for technical support.

Parent topic: Solving Problems

Projector Light Status

The lights on the projector indicate the projector status and let you know when a problem occurs. Check the status and color of the lights and look for a solution in the table here.
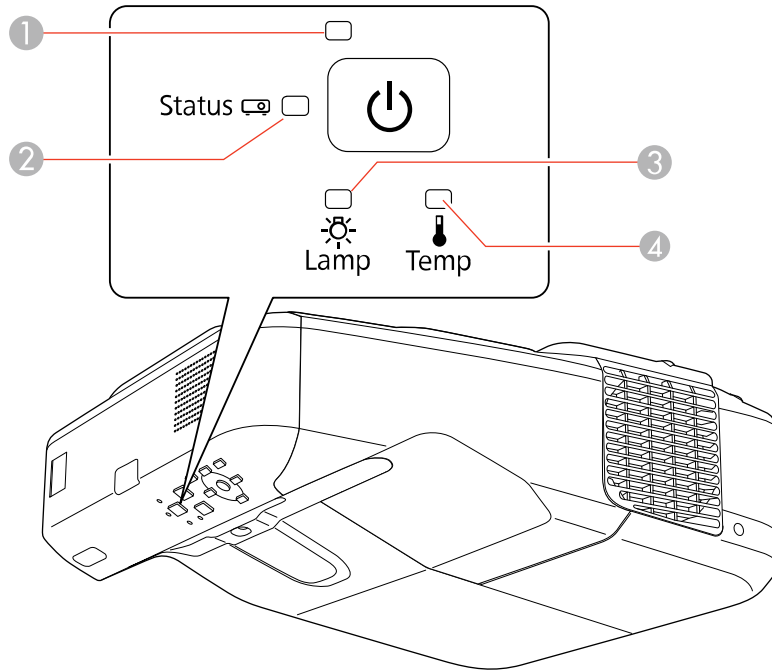
1	Power light
2	Status light
3	Lamp light
4	Temp (temperature) light

Power light	Status light	Lamp light	Temp light	Status and solution
Blue	Blue	Off	Off	Normal operation.

Power light	Status light	Lamp light	Temp light	Status and solution
Blue	Flashing blue	Off	Off	Warming up. Wait for an image to appear.
Blue	Off	Off	Off	Standby or sleep mode.
Blue	Flashing blue	Off	Off	Shutting down. (When the Status light stops flashing, you can unplug the projector.)
Blue	Varies	Off	Flashing orange	Projector is too hot. • Make sure that the vents and air filter are not clogged with dust or obstructed by nearby objects. • Clean or replace the air filter. • Make sure the environmental temperature is not too hot.
Off	Flashing blue	Off	Orange	Projector has overheated and turned off. Leave it turned off to cool down. After about five minutes, do the following: • Make sure that the vents and air filter are not clogged with dust or obstructed by nearby objects. • Clean or replace the air filter. • If operating the projector at high altitude, turn on **High Altitude Mode**. • If the problem persists, unplug the projector and contact Epson for help.

Power light	Status light	Lamp light	Temp light	Status and solution
Off	Flashing blue	Orange	Off	Lamp has a problem. • Check to see if the lamp is burned out, broken, or installed incorrectly. Reseat or replace the lamp as necessary. • Clean or replace the air filter. • If operating the projector at high altitude, turn on **High Altitude Mode**. • If the problem persists, unplug the projector and contact Epson for help.
Flashing blue	Varies	Flashing orange	Varies	Replace the lamp soon to avoid damage. Do not continue using the projector.
Off	Flashing blue	Off	Flashing orange	A fan or sensor has a problem. Turn the projector off, unplug it, and contact Epson for help.
Off	Flashing blue	Flashing orange	Flashing orange	Auto Iris error. Turn the projector off, unplug it, and contact Epson for help.
Off	Flashing blue	Orange	Orange	Power error. Turn the projector off, unplug it, and contact Epson for help.
Off	Flashing blue	Flashing orange	Off	Internal projector error. Turn the projector off, unplug it, and contact Epson for help.

Note: If the lights display a pattern not listed in the table above, turn the projector off, unplug it, and contact Epson for help.

Parent topic: Solving Problems

Related references

Projector Feature Settings - Settings Menu

Projector Setup Settings - Extended Menu

Related tasks

DCMS/Publications/Projectors/Source/Troubleshooting/Tasks/problem_help_using_home_screen.xml

Using the Projector Help Displays

You can display information to help you solve common problems using the projector's Help system.

1. Turn on the projector.

2. Press the **Home** button on the projector or the remote control.

3. Press the arrow buttons to select the ![?] Help icon and press Enter.

4. Press **Enter**.

   You see the Help menu.

5. Press the up and down arrow buttons to highlight the problem you want to solve.

6. Press **Enter** to view the solutions.

7. When you are finished, do one of the following:

   • To select another problem to solve, press **Esc**.

   • To exit the help system, press **Home**.

Parent topic:

DCMS/Publications/Projectors/Source/Troubleshooting/Container_Topics/solving_image_sound_problems_container.xml

Solving Image or Sound Problems

Check the solutions in these sections if you have any problems with projected images or sound.

Parent topic: Solving Problems

DCMS/Publications/Projectors/Source/Troubleshooting/Reference/problem_no_image.xml

Solutions When No Image Appears

If no image appears, try the following solutions:

• Press the **A/V Mute** button on the remote control to see if the image was temporarily turned off.

• Make sure all necessary cables are securely connected and the power is on for the projector and connected video sources.

• If you connected your video source to the **Monitor Out/Computer2** port, make sure you set the **Monitor Out Port** setting to **Computer2**.

• Press the projector's power button to wake it from standby or sleep mode. Also see if your connected computer is in sleep mode or displaying a blank screen saver.

• Press the **Menu** button. If the projector menu is able to display, there may be a problem with the connected video source, cable connection, or port.

• Check the settings on the Signal menu to make sure they are correct for the current video source.

• Adjust the **Brightness** setting or select the **Normal** Power Consumption setting.

• Check the **Display** setting to make sure **Messages** is set to **On**.

• If the projector does not respond when you press the control panel buttons, the buttons may be locked. Unlock the buttons.

• If the projector does not respond when you press buttons on the remote control, make sure the remote receivers are turned on.

• For images projected with Windows Media Center, reduce the screen size from full screen mode.

• For images projected from applications using Windows DirectX, turn off DirectX functions.

• If the other solutions do not solve the problem, reset all of the projector settings using the options on the **Reset** menu.

• The projector may not be able to project copyrighted videos that you play back on a computer. For details, see the manual supplied with your computer.

Parent topic: Solving Image or Sound Problems

Related references

Projector Setup Settings - Extended Menu

Projector Feature Settings - Settings Menu

Input Signal Settings - Signal Menu

Image Quality Settings - Image Menu

Related tasks

Unlocking the Projector's Buttons

DCMS/Publications/Projectors/Source/Troubleshooting/Reference/problem_image_usb_display.xml

Solutions When Image is Incorrect Using the USB Display Function

If no image appears or if the image appears incorrectly using the USB Display function, try the following solutions:

- Press the **USB** button on the remote control.

- Make sure the USB Display software has installed correctly. Install it manually if necessary.

- Make sure the **USB Type B** setting in the Extended menu is set to one of the **USB Display** options.

- On a Mac, select the **USB Display** icon in the Dock or from the **Applications** folder.

- For images projected with Windows Media Center, reduce the screen size from full screen mode.

- For images projected from applications using Windows DirectX, turn off DirectX functions.

- If the mouse cursor flickers, select **Make the movement of the mouse pointer smooth** in the Epson USB Display Settings program on your computer.

- Turn off the **Transfer layered window** setting in the Epson USB Display Settings program on your computer.

- Make sure you are using the most recent version of the USB Display software. You can download the latest version from the Epson web site. Go to epson.com.jm/support and select your projector.

Parent topic: Solving Image or Sound Problems

DCMS/Publications/Projectors/Source/Troubleshooting/Reference/problem_no_signal_message.xml

Solutions When "No Signal" Message Appears

If the "No Signal" message appears, try the following solutions:

- Press the **Source Search** button and wait a few seconds for an image to appear.

- Press the **Home** button on the remote control to select from a list of available sources (shown in black text).

- Turn on the connected computer or video source, and press its play button to begin your presentation, if necessary.

- Check the connection from the projector to your video sources.

- If you are projecting from a laptop computer, make sure it is set up to display on an external monitor.

- If necessary, turn the projector and the connected computer or video source off and then on again.

- If the other solutions do not solve the problem, reset all of the projector settings using the options on the **Reset** menu.

Displaying From a PC Laptop

Displaying From a Mac Laptop

Parent topic: Solving Image or Sound Problems

DCMS/Publications/Projectors/Source/Troubleshooting/Tasks/problem_displaying_pc_laptop.xml
Displaying From a PC Laptop

If you see the "No Signal" message when you display from a PC laptop, you need to set up the laptop to display on an external monitor.

1. Hold down the laptop's **Fn** key and press the key labeled with a monitor icon or **CRT/LCD**. (See your laptop manual for details.) Wait a few seconds for an image to appear. To display on both the laptop's monitor and the projector, try pressing the same keys again.

   Note: On Windows 7 or later, hold down the Windows key and press **P** at the same time, then click **Duplicate**.

2. If the same image is not displayed by the laptop and projector, check the Windows **Display** utility to make sure the external monitor port is enabled and extended desktop mode is disabled. (See your computer or Windows manual for instructions.)

3. If necessary, check your video card settings and set the multiple display option to **Mirror** or **Duplicate**.

Parent topic: Solutions When "No Signal" Message Appears

DCMS/Publications/Projectors/Source/Troubleshooting/Tasks/problem_displaying_mac_laptop.xml
Displaying From a Mac Laptop

If you see the "No Signal" message when you display from a Mac laptop, you need to set up the laptop for mirrored display. (See your laptop manual for details.)

1. Open the **System Preferences** utility and select **Displays**, **Display**, or **Color LCD**.

2. Click the **Arrange** or **Arrangement** tab.

3. Select the **Mirror Displays** checkbox.

Parent topic: Solutions When "No Signal" Message Appears

DCMS/Publications/Projectors/Source/Troubleshooting/Reference/problem_not_supported_message.xml

Solutions When "Not Supported" Message Appears

If the "Not Supported" message appears, try the following solutions:

- Make sure the correct input signal is selected on the Signal menu.

- Make sure the computer's display resolution does not exceed the projector's resolution and frequency limit. If necessary, select a different display resolution for your computer. (See your computer manual for details.)

- As a test, try setting the computer's display resolution to the lowest possible setting, and then gradually increase it as necessary.

Parent topic: Solving Image or Sound Problems

Related references

Input Signal Settings - Signal Menu

Supported Video Display Formats

DCMS/Publications/Projectors/Source/Troubleshooting/Reference/problem_partial_image.xml

Solutions When Only a Partial Image Appears

If only a partial computer image appears, try the following solutions:

- Press the **Auto** button on the remote control to optimize the image signal.

- For VGA connections, press the **Auto** button on the remote control to optimize the image signal.

- Try adjusting the image position using the **Position** menu setting.

- Press the **Aspect** button on the remote control to select a different image aspect ratio.

- If you zoomed into or out of the image using the **E-Zoom** buttons, press the **Esc** button until the projector returns to a full display.

- Check your computer display settings to disable dual display and set the resolution within the projector's limits. (See your computer manual for details.)

- Check the resolution assigned to your presentation files to see if they are created for a different resolution than you are projecting in. (See your software help for details.)

- Make sure you selected the correct **Projection** setting.

- Try adjusting the image position using the **Image Shift** setting.

Parent topic: Solving Image or Sound Problems

Related references

Input Signal Settings - Signal Menu

Supported Video Display Formats

Solutions When the Image is Not Rectangular

If the projected image is not evenly rectangular, try the following solutions:

- If the projector is not mounted on the wall or ceiling, place it directly in front of the center of the screen, facing it squarely, if possible.

- Use the **Image Shift** setting to adjust the image position, rather than moving the projector.

- Adjust the image shape using the **Geometry Correction** menu settings.

  Note: Adjusting **Quick Corner**, **H/V-Keystone**, and **Arc Correction** settings may affect focus and pen calibration.

Parent topic: Solving Image or Sound Problems

Related references

Projector Feature Settings - Settings Menu

Related tasks

Correcting Image Shape with the Keystone Buttons

Correcting Image Shape with Quick Corner

Correcting Image Shape with Arc Correction

Adjusting the Image Position

Solutions When the Image Contains Noise or Static

If the projected image seems to contain electronic interference (noise) or static, try the following solutions:

- Check the cables connecting your computer or video source to the projector. They should be:

  - Separated from the power cord to prevent interference

- Securely connected at both ends

- Not connected to an extension cable

- No longer than 10 feet (3 m) for VGA/computer cables or 24 feet (7.3 m) for HDMI cables

- Check the settings on the projector's Signal menu to make sure they match the video source. If available for your video source, adjust the **Deinterlacing** and **Noise Reduction** settings.

- Select **Auto** as the Resolution setting in the Signal menu.

- Select a computer video resolution and refresh rate that are compatible with the projector.

- If you are projecting from a computer, press the **Auto** button on the remote control to automatically adjust the tracking and sync. If the problem remains, display a uniformly patterned image on the screen and manually adjust the **Tracking** and **Sync** settings.

- If you adjusted the image shape using the projector controls, try decreasing the **Sharpness** setting to improve image quality.

- If you are using the USB Display function, turn off the **Transfer layered window** setting in the Epson USB Display Settings program on your computer.

Parent topic: Solving Image or Sound Problems

Related references

Input Signal Settings - Signal Menu
Supported Video Display Formats

Related tasks

Displaying From a PC Laptop
Displaying From a Mac Laptop

DCMS/Publications/Projectors/Source/Troubleshooting/Reference/problem_image_blurry_no_auto_keystone.xml

Solutions When the Image is Fuzzy or Blurry

If the projected image is fuzzy or blurry, try the following solutions:

- Adjust the image focus.

- Clean the projection window.

  Note: To avoid condensation on the lens after bringing the projector in from a cold environment, let the projector warm up to room temperature before using it.

- Position the projector close enough to the screen, and directly in front of it.

- Position the projector so the keystone adjustment angle is not so wide that it distorts the image.

- Adjust the **Sharpness** setting to improve image quality.

- If you are projecting from a computer using a VGA cable, press the **Auto** button on the remote control to automatically adjust the tracking and sync. If any bands or overall blurriness remain, display a uniformly patterned image on the screen and manually adjust the **Tracking** and **Sync** settings.

- If you are projecting from a computer, use a lower resolution.

- Turn off any keystone correction, and disable the **Quick Corner** and **Arc Correction** settings.

Parent topic: Solving Image or Sound Problems

DCMS/Publications/Projectors/Source/Troubleshooting/Reference/problem_image_colors.xml

Solutions When the Image Brightness or Colors are Incorrect

If the projected image is too dark or light, or the colors are incorrect, try the following solutions:

- Press the **Color Mode** button on the remote control to try different color modes for the image and environment.

- Check your video source settings.

- Adjust the available settings on the Image menu for the current input source, such as **Brightness**, **Contrast**, **Tint**, **Color Temp.**, and/or **Color Saturation**.

- Make sure you selected the correct **Input Signal** or **Video Signal** setting on the Signal menu, if available for your image source.

- Make sure all the cables are securely connected to the projector and your video device. If you connected long cables, try connecting shorter cables.

- If you are using the **ECO** or **ECO2** Power Consumption setting, try selecting **Normal** in the projector's menus.

- Position the projector close enough to the screen.

- If the image has been progressively darkening, you may need to replace the projector lamp soon.

Parent topic: Solving Image or Sound Problems

Related concepts

Projector Lamp Maintenance

Related references

Input Signal Settings - Signal Menu

Projector Feature Settings - Settings Menu

Image Quality Settings - Image Menu

Solutions to Sound Problems

If there is no sound when you expect it or the volume is too low or high, try the following solutions:

- Adjust the projector's volume settings.

- Press the **A/V Mute** button on the remote control to resume video and audio if they were temporarily stopped.

- Press the **Source Search** button to switch to the correct input source, if necessary.

- Check your computer or video source to make sure the volume is turned up and the audio output is set for the correct source.

- Check the audio cable connections between the projector and your video source.

- If you do not hear sound from an HDMI source, set the connected device to PCM output.

- Make sure any connected audio cables are labeled "No Resistance".

- If you are using the USB Display function, turn on the **Output audio from the projector** setting in the Epson USB Display Settings program on your computer.

- If you are using a Mac and you do not hear sound from an HDMI source, make sure your Mac supports audio through the HDMI port. If not, you need to connect an audio cable.

- If you want to use a connected audio source when the projector is off, set the **Standby Mode** option to **Communication On** and the **A/V Output** option to **Always On**.

- Make sure the **Audio Output** option is set to the correct audio port for your video device.

- If you turn the projector on immediately after turning it off, the cooling fans may run at high speed momentarily and cause an unexpected noise. This is normal.

Parent topic: Solving Image or Sound Problems

Solutions to Microphone Problems

If there is no sound when you use a microphone connected to the projector, try the following solutions:

- Make sure the microphone is securely connected to the projector.

- Make sure you are using a dynamic microphone, not a condenser microphone.

- Adjust the **Mic Input Level** setting as necessary in the projector's menus.

- If you want to use the microphone when the projector is off, set the **Standby Mode** option to **Communication On**.

Parent topic: Solving Image or Sound Problems

Related references

Projector Setup Settings - Extended Menu

Projector Feature Settings - Settings Menu

Related tasks

Connecting a Microphone

DCMS/Publications/Projectors/Source/Troubleshooting/Container_Topics/solving_operation_problems_container.xml

Solving Projector or Remote Control Operation Problems

Check the solutions in these sections if you have problems operating the projector or remote control.

Solutions to Projector Power or Shut-Off Problems

Solutions to Problems with the Remote Control

Solutions to Password Problems

Parent topic: Solving Problems

DCMS/Publications/Projectors/Source/Troubleshooting/Reference/problem_power.xml

Solutions to Projector Power or Shut-Off Problems

If the projector does not come on when you press the power button or it shuts off unexpectedly, try the following solutions:

- Make sure the power cord is securely connected to the projector and to a working electrical outlet.

- The projector's buttons may be locked for security. Unlock the buttons or use the remote control to turn on the projector.

- If the projector's lamp shuts off unexpectedly, it may have entered standby mode after a period of inactivity. Press the power button to wake the projector and adjust the **Sleep Mode Timer** setting to change the sleep interval.

- If the projector's lamp shuts off and the power and Temp lights are red, the projector has overheated and shut off. Check the solutions for this light status.

- If the power button on the remote control does not turn on the projector, check its batteries and make sure the **Remote Receiver** setting is turned on in the projector's menu, if available.

- The power cord may be defective. Disconnect the cord and contact Epson.

Parent topic: Solving Projector or Remote Control Operation Problems

Related references

Projector Light Status

Projector Feature Settings - Settings Menu

Related tasks

Unlocking the Projector's Buttons

DCMS/Publications/Projectors/Source/Troubleshooting/Reference/problem_remote_control.xml

Solutions to Problems with the Remote Control

If the projector does not respond to remote control commands, try the following solutions:

- Check that the remote control batteries are installed correctly and have power. If necessary, replace the batteries.

- Make sure you are operating the remote control within the reception angle and range of the projector.

- Make sure the projector is not warming up or shutting down.

- Check to see if a button on the remote control is stuck down, causing it to enter sleep mode. Release the button to wake the remote control up.

- Strong fluorescent lighting, direct sunlight, or infrared device signals may be interfering with the projector's remote receivers. Dim the lights or move the projector away from the sun or interfering equipment.

- If available, turn off one of the remote receivers in the projector's menu system, or check if all the remote receivers were turned off.

- If you assigned an ID number to the remote control to operate multiple projectors, you may need to check or change the ID setting (feature not available with all projectors).

- If you lose the remote control, you can purchase another from an authorized Epson reseller.

Parent topic: Solving Projector or Remote Control Operation Problems

Related references

Projector Feature Settings - Settings Menu

Optional Equipment and Replacement Parts

Remote Control Operation

Solutions to Password Problems

If you cannot enter or remember a password, try the following solutions:

- You may have turned on password protection without first setting a password. Try entering **0000** using the remote control.

- If you have entered an incorrect password too many times and see a message displaying a request code, write down the code and contact Epson. Do not attempt to enter the password again. Provide the request code and proof of ownership for assistance in unlocking the projector.

- If you set a Web Control password and forgot the user ID or password, try entering the following:

  - User ID: **EPSONWEB**

  - Default password: **admin**

- If you set a Remote password (in Epson Web Control) and forgot the user ID or password, try entering the following:

  - User ID: **EPSONREMOTE**

  - Default password: **guest**

- If you lose the remote control, you cannot enter a password. Purchase a new one from an authorized Epson reseller.

Parent topic: Solving Projector or Remote Control Operation Problems

Solving Interactive Problems

Check the solutions in these sections if you have problems using the interactive system.

Solutions When "Error Occurred in the Easy Interactive Function" Message Appears

Solutions When the Interactive Pens Do Not Work

Solutions When the Interactive Pen Position Is Not Accurate

Solutions When Manual Calibration Does Not Work

Solutions When the Interactive Pens Are Slow or Difficult to Use

Solutions When the Interactive Pens Cause Interference or Unwanted Effects

Solutions When Finger Touch Interactivity Does Not Work

Parent topic: Solving Problems

Solutions When "Error Occurred in the Easy Interactive Function" Message Appears

If the "Error occurred in the Easy Interactive Function" message appears, contact Epson for help.

Parent topic: Solving Interactive Problems

Related references

Where to Get Help

Solutions When the Interactive Pens Do Not Work

If the interactive pens do not work, try the following solutions:

- The pens turn off automatically when not in use. Pick up the pen to turn it back on.

- Make sure you are not covering the black section near the tip of the pen.

- Make sure the pen tip is securely attached to the pen.

- If the pen tip is worn out, dirty, or damaged, you may need to replace it.

- Try replacing the soft pen tip with the hard pen tip.

- Make sure nothing is blocking the signal between the pen and the interactive pen receiver on the projector.

- Try holding the pen at a different angle so that your hand is not blocking the signal.

- Make sure the cable cover is in place to keep cables from blocking the signal.

- Make sure the pen battery has enough power. Press the button on the side of the pen to check remaining battery power. Try replacing the battery.

- If you are projecting from a computer, make sure the USB cable is connected to the computer and projector.

- Dim the room lights and turn off any fluorescent lights. Make sure the projection surface and pen receiver are not in direct sunlight or other sources of bright lighting.

- Remove any decorative lights from around the projector or projection surface.

- Make sure the interactive pen receiver on the projector is clean and free from dust.

- Make sure there is no interference from infrared remote controls, mice, or infrared microphones.

- Make sure the **USB Type B** option on the Extended menu is set to **Easy Interactive Function** or **USB Display/Easy Interactive Function**.

- Make sure you have calibrated the system. Try recalibrating.

- Make sure the **Pen Mode** and **Pen Operation Mode** settings are set correctly in the **Easy Interactive Function** options on the Extended menu.

- If you are using multiple interactive projectors in the same room, make sure you are using a sync cable between the projectors and that the **Easy Interactive Function** > **Advanced** > **Sync of Projectors** setting in the Extended menu is set to **Wired**.

Parent topic: Solving Interactive Problems

Solutions When the Interactive Pen Position Is Not Accurate

If the pen position is not the same as the mouse pointer, try the following solutions:

- Make sure you have calibrated the system. Try manual calibration.

- Make sure the cable cover is in place to keep cables from blocking the signal.

- Try adjusting the pen operation area.

- Turn off any keystone correction and disable the **Quick Corner** and **Arc Correction** settings.

- If you use the **E-Zoom +** button on the remote control to enlarge the image, the pen position is not accurate. When you return the image to the original size, the position should be correct.

- In PC Interactive mode (in the **Extended** > **Advanced** menu), turn off the **Auto Adjust Pen Area** setting and select the **Manual Adj. Pen Area** setting. (USB cable required)

- Try changing the computer's resolution to 1280 × 800.

- Select **Reset All Config** from the Reset menu to restore the projector settings to their default values.

Parent topic: Solving Interactive Problems

Solutions When Manual Calibration Does Not Work

If you are having trouble calibrating manually, try the following solutions:

- If the circle does not move to the next position, or it moves automatically, dim or turn off any bright lights near the projection surface.

- Make sure the projector is not too close to the projection surface.

- Select **Reset All Config** from the Reset menu to restore the projector settings to their default values.

Parent topic:

Solutions When the Interactive Pens Are Slow or Difficult to Use

If the pens are difficult to use or respond too slowly, try the following solutions:

- For easier operation, hold the pen perpendicular to the projection surface.

- For the best performance, connect your computer to the projector using a VGA or HDMI cable for display and the USB cable for interactivity.

- If you are using USB Display in Windows, you may need to disable Windows Aero in the Epson USB Display Settings program on your computer.

- If you are having difficulty double-clicking on a Mac, go to the **System Preferences** menu, select **Mouse**, **Trackpad**, or **Mouse & Trackpad**, and reduce the **Double-click speed**.

Parent topic:

Solutions When the Interactive Pens Cause Interference or Unwanted Effects

If the pens are causing interference or unwanted effects, try the following solutions:

- When you use two pens at the same time, make sure to use them at least 4 inches (10.16 cm) apart.

- Do not rest the pens on the image area of an interactive table to avoid interference with your computer's mouse.

- Make sure that nothing is blocking the direct line to the infrared site on the projector.

- Turn off hovering.

Parent topic:

Solutions When Finger Touch Interactivity Does Not Work

If finger touch interactivity does not work (BrightLink 695Wi+), try the following solutions:

- Make sure the Touch Unit is installed correctly and the power cable is properly connected. See your projector's *Touch Unit and Control Pad Installation Guide* for details.

- If the light on the Touch Unit is not on, check the **Touch Unit Setup** settings in the **Easy Interactive Function** option on the Extended menu and make sure the **Power** setting is set to **On**.

- Adjust the angle on the Touch Unit. See your projector's *Touch Unit and Control Pad Installation Guide* for details.

- Make sure there are no obstacles (such as cables) between the Touch Unit's laser diffusion ports and the projection surface.

- Remove any decorative lights from around the projector or projection surface.

- If you are having difficulty double-clicking on a Mac, go to the **System Preferences** menu, select **Mouse**, **Trackpad**, or **Mouse & Trackpad**, and reduce the **Double-click speed**.

- Make sure there is no interference from infrared remote controls, mice, or infrared microphones.

- Make sure you have performed pen calibration and finger touch calibration. Try recalibrating.

- If touch operation does not work correctly even after calibration, press the ⚙ icon on the Home screen and check the **Calibration Range** setting. Select **Wide** if you drag items when touching the screen or **Narrow** if mouse operations do not work smoothly.

Parent topic: Solving Interactive Problems

DCMS/Publications/Projectors/Source/Troubleshooting/Container_Topics/solving_network_problems_container.xml

Solving Network Problems

Check the solutions in these sections if you have problems using the projector on a network.

Solutions When Network Alert E-Mails are Not Received
Solutions When You Cannot Access the Projector Through the Web

Parent topic: Solving Problems

DCMS/Publications/Projectors/Source/Troubleshooting/Reference/problem_network_email.xml

Solutions When Network Alert E-Mails are Not Received

If you do not receive an e-mail alerting you to problems with a projector over the network, try the following solutions:

- Make sure the projector is turned on and connected to the network correctly. (If an error shut down the projector, it cannot send an e-mail.)

- Make sure you set up the projector e-mail alert settings correctly on the projector's network Mail menu or in the network software.

- Set the **Standby Mode** setting to **Communication On** so the network software can monitor the projector in standby mode.

Parent topic: Solving Network Problems

Related concepts

Wired Network Projection

Wireless Network Projection

Related references

Projector Setup Settings - Extended Menu

Projector Network Settings - Network Menu

DCMS/Publications/Projectors/Source/Troubleshooting/Reference/problem_network_web_browser_remote.xml

Solutions When You Cannot Access the Projector Through the Web

If you are unable to access the projector through a web browser, make sure you are using the correct ID and password, which are case sensitive.

Note: You cannot change the user ID.

• To display the Web Control screen, enter **EPSONWEB** as the user ID, and enter the password set in the projector's Network menu as the password. The default password is **admin**.

• To display the Web Remote screen, enter **EPSONREMOTE** as the user ID and enter the password set in the projector's Network menu as the password. The default password is **guest**.

• Make sure you have access to the network the projector is on.

Note: The user ID and password are case sensitive.

Parent topic: Solving Network Problems

DCMS/Publications/Projectors/Source/Troubleshooting/Reference/help_latin.xml

Where to Get Help

If you need to contact Epson for technical support services, use the following support options.

Internet Support

Visit Epson's support website at epson.com.jm/support and select your product for solutions to common problems. You can download utilities and documentation, get FAQs and troubleshooting advice, or e-mail Epson with your questions.

Speak to a Support Representative

Before you call for support, please have the following information ready:

• Product name

• Product serial number (located on the bottom or rear of the projector, or in menu system)

• Proof of purchase (such as a store receipt) and date of purchase

• Computer or video configuration

• Description of the problem

Then call:

Country	Telephone
Argentina	(54 11) 5167-0300
	0800-288-37766
Bolivia*	800-100-116
Brazil	State capitals and metropolitan areas: 3004-6627
	Other areas: 0800-377-6627 / 0800-EPSONBR
Chile	(56 2) 2484-3400
Colombia	Bogota: (57 1) 523-5000
	Other cities: 018000-915235
Costa Rica	800-377-6627
Dominican Republic*	1-888-760-0068
Ecuador*	1-800-000-044
El Salvador*	800-6570
Guatemala*	1-800-835-0358
Honduras**	800-0122
	Code: 8320
Mexico	Mexico City: (52 55) 1323-2052
	Other cities: 01-800-087-1080
Nicaragua*	00-1-800-226-0368

Country	Telephone
Panama*	00-800-052-1376
Paraguay	009-800-521-0019
Peru	Lima: (51 1) 418-0210
	Other cities: 0800-10126
Uruguay	00040-5210067
Venezuela	(58 212) 240-1111

* Contact your local phone company to call this toll-free number from a mobile phone.

** Dial first 7 digits, wait for a message, then enter code.

Note: Toll or long distance charges may apply. If your country does not appear on the list, contact the sales office in the nearest country.

Purchase Supplies and Accessories

You can purchase screens, other optional accessories, and replacement parts from an Epson authorized reseller. To find the nearest reseller, go to epson.com.jm. Or you can contact your nearest sales office as described in "Where to Get Help".

Parent topic: Solving Problems

Technical Specifications

These sections list the technical specifications of your projector.

General Projector Specifications

Projector Lamp Specifications

Remote Control Specifications

Projector Dimension Specifications

Projector Electrical Specifications

Projector Environmental Specifications

Projector Safety and Approvals Specifications

Supported Video Display Formats

USB Display System Requirements

DCMS/Publications/Projectors/Source/Specifications/Reference/BL685Wi_695Wi/spex_general_bl685wi_695wi.xml

General Projector Specifications

Type of display	Poly-silicon TFT active matrix
Resolution	1280 × 800 pixels (WXGA)
Lens	F=1.60
	Focal length: 3.7 mm
Color reproduction	Full color, up to 1 billion

Brightness	**BrightLink 685Wi+/695Wi+**
	Normal Power Consumption mode:
	White light output 3500 lumens (ISO 21118 standard)
	Color light output 3500 lumens
	ECO Power Consumption mode:
	White light output 2900 lumens (ISO 21118 standard)
	Note: Color brightness (color light output) and white brightness (white light output) will vary depending on usage conditions. Color light output measured in accordance with IDMS 15.4; white light output measured in accordance with ISO 21118.
	BrightLink 675Wi+
	Normal Power Consumption mode:
	White light output 3200 lumens (ISO 21118 standard)
	Color light output 3200 lumens
	ECO Power Consumption mode:
	White light output 1800 lumens (ISO 21118 standard)
	Note: Color brightness (color light output) and white brightness (white light output) will vary depending on usage conditions. Color light output measured in accordance with IDMS 15.4; white light output measured in accordance with ISO 21118.
Contrast ratio	14000 to 1 with Auto Iris on and Normal Power Consumption mode
Image size (in native aspect ratio)	60 inches (1.52 m) to 99 inches (2.51 m)
Projection distance (in native aspect ratio)	13.9 inches (35.4 cm) to 23.7 inches (60.1 cm)
Projection methods	Front, rear, ceiling-mounted
Optical aspect ratio (width-to-height)	16:10
Focus adjustment	Manual

Zoom adjustment	Digital
Zoom ratio	1:1.35
(Tele-to-Wide)	
Internal sound system	16 W monaural
Noise level	**BrightLink 685Wi+/695Wi+**
	35 dB (Normal Power Consumption mode)
	30 dB (ECO Power Consumption mode)
	29 dB (ECO2 Power Consumption mode)
	BrightLink 675Wi+
	35 dB (Normal Power Consumption mode)
	28 dB (ECO Power Consumption mode)
Keystone correction angle	Vertical: ± 3°
	Horizontal: ± 3°
USB Type B port compatibility	One USB 2.0 compliant for USB Display, external mouse, firmware update, or interactivity
USB Type A port compatibility	One USB 1.1 and 2.0 compliant port for USB device input, wireless LAN unit, or Epson document camera display

Parent topic:

DCMS/Publications/Projectors/Source/Specifications/Reference/BL685Wi_695Wi/spex_lamp_bl685wi_696wi.xml

Projector Lamp Specifications

Type	UHE (Ultra High Efficiency)
Power consumption	**BrightLink 685Wi+/695Wi+**: 250 W
	BrightLink 675Wi+: 215W
Lamp life	**BrightLink 685Wi+/695Wi+**
	Normal Power Consumption mode: up to about 5000 hours
	ECO Power Consumption mode: up to about 10000 hours
	ECO2 Power Consumption mode: up to about 9000 hours

BrightLink 675Wi+

Normal Power Consumption mode: up to about 5000 hours

ECO Power Consumption mode: up to about 10000 hours

Note: Turn off this product when not in use to prolong the life of the projector. Lamp life will vary depending upon mode selected, environmental conditions, and usage. Brightness decreases over time.

Parent topic:

DCMS/Publications/Projectors/Source/Specifications/Reference/BL685Wi_695Wi/spex_remote_bl685wi_695wi.xml

Remote Control Specifications

Reception range	19.7 feet (6 m)
Batteries	Two alkaline or manganese AA

Parent topic:

DCMS/Publications/Projectors/Source/Specifications/Reference/BL685Wi_695Wi/spex_dimensions_bl695wi.xml

Projector Dimension Specifications

Height (excluding feet)	5.9 inches (149 mm)
Width	14.4 inches (367 mm)
Depth	15.7 inches (400 mm)
Weight	12.8 lb (5.8 kg)

Parent topic:

DCMS/Publications/Projectors/Source/Specifications/Reference/BL685Wi_695Wi/spex_electrical_bl685wi_695wi.xml

Projector Electrical Specifications

Rated frequency	50/60 Hz
Power supply	**BrightLink 685Wi+/695Wi+**
	100 to 240 VAC ±10%
	3.8 to 1.7 A

	BrightLink 675Wi+
	100 to 240 VAC ±10%
	3.4 to 1.5 A
Power consumption	**BrightLink 685Wi+/695Wi+**
(100 to 120 V)	Operating:
	Normal Power Consumption mode: 373 W
	ECO Power Consumption mode: 324 W
	ECO2 Power Consumption mode: 324 W
	Standby:
	0.23 W (Energy Saving), 2.2 W (Networked Standby)
	BrightLink 675Wi+
	Operating:
	Normal Power Consumption mode: 333 W
	ECO Power Consumption mode: 239 W
	Standby:
	0.23 W (Energy Saving), 2.2 W (Networked Standby)
Power consumption	**BrightLink 685Wi+/695Wi+**
(220 to 240 V)	Operating:
	Normal Power Consumption mode: 354 W
	ECO Power Consumption mode: 309 W
	ECO2 Power Consumption mode: 309 W
	Standby:
	0.37 W (Energy Saving), 2.3 W (Networked Standby)

BrightLink 675Wi+

Operating:

Normal Power Consumption mode: 317 W

ECO Power Consumption mode: 230 W

Standby:

0.37 W (Energy Saving), 2.3 W (Networked Standby)

Parent topic: Technical Specifications

DCMS/Publications/Projectors/Source/Specifications/Reference/BL685Wi_695Wi/spex_environmental_bl685wi_695wi.xml

Projector Environmental Specifications

Temperature	Single projector:
	Operating up to 7500 feet (2286 m): 41 to 104 °F (5 to 40 °C)
	Operating up to 9854 feet (3000 m): 41 to 95 °F (5 to 35 °C)
	Storage: 14 to 140 °F (–10 to 60 °C)
	Multiple projectors:
	Operating up to 7500 feet (2286 m): 41 to 95 °F (5 to 35 °C)
	Operating up to 9854 feet (3000 m): 41 to 86 °F (5 to 30 °C)
	Storage: 14 to 140 °F (–10 to 60 °C)
Humidity (relative, non-condensing)	Operating: 20 to 80%
	Storage: 10 to 90%
Operating altitude	Up to 4921 feet (1500 m)
	Up to 9843 feet (3000 m) with High Altitude Mode enabled

Parent topic: Technical Specifications

Projector Safety and Approvals Specifications

United States	FCC Part 15 Class B
	UL60950-1
Canada	ICES-003 Class B
	CSA C22.2 No. 60950-1

Parent topic: Technical Specifications

Supported Video Display Formats

For best results, your computer's monitor port or video card resolution should be set to display in the projector's native resolution. However, your projector includes Epson's SizeWise chip that supports other computer display resolutions, so your image will be resized to fit automatically.

Your computer's monitor port or video card refresh rate (vertical frequency) must be compatible with the projector. (See your computer or video card manual for details.)

The table here lists the compatible refresh rate and resolution for each compatible video display format.

Display format	Refresh rate (in Hz)	Resolution (in pixels)
Computer signals (analog RGB)		
VGA	60/72/75/85	640 × 480
SVGA	60/72/75/85	800 × 600
XGA	60/70/75/85	1024 × 768
WXGA	60	1280 × 768
	60	1366 × 768
	60/75/85	1280 × 800
WXGA+	60/75/85	1440 × 900
WXGA++	60	1600 × 900

Display format	Refresh rate (in Hz)	Resolution (in pixels)
SXGA	70/75/85	1152 × 864
	60/75/85	1280 × 1024
	60/75/85	1280 × 960
SXGA+	60/75	1400 × 1050
WSXGA+	60	1680 × 1050
UXGA	60	1600 × 1200
Composite video		
TV (NTSC)	60	720 × 480
TV (SECAM)	50	720 × 576
TV (PAL)	50/60	720 × 576
Component video		
SDTV (480i)	60	720 × 480
SDTV (576i)	50	720 × 576
SDTV (480p)	60	720 × 480
SDTV (576p)	50	720 × 576
HDTV (720p)	50/60	1280 × 720
HDTV (1080i)	50/60	1920 × 1080
HDMI input signals		
VGA	60	640 × 480
SVGA	60	800 × 600
XGA	60	1024 × 768
WXGA	60	1280 × 800
	60	1366 × 768
WXGA+	60	1440 × 900
WXGA++	60	1600 × 900
WSXGA+*	60	1680 × 1050

Display format	Refresh rate (in Hz)	Resolution (in pixels)
SXGA	60	1280 × 960
	60	1280 × 1024
SXGA+	60	1400 × 1050
UXGA	60	1600 × 1200
SDTV (480i/480p)	60	720 × 480
SDTV (576i/576p)	50	720 × 576
HDTV (720p)	50/60	1280 × 720
HDTV (1080i)	50/60	1920 × 1080
HDTV (1080p)	24/30/50/60	1920 × 1080
MHL input signals		
VGA	60	640 × 480
SDTV (480i/480p)	60	720 × 480
SDTV (576i/576p)	50	720 × 576
HDTV (720p)	50/60	1280 × 720
HDTV (1080i)	50/60	1920 × 1080
HDTV (1080p)	24/30	1920 × 1080

* **Wide** resolution only

Parent topic: Technical Specifications

DCMS/Publications/Projectors/Source/Specifications/Reference/BL685Wi_695Wi/usb_display_system_req_bl685wi_695wi.xml

USB Display System Requirements

Your computer system must meet the system requirements here to use the projector's USB Display software.

Requirement	Windows	Mac
Operating system	Windows Vista Ultimate, Enterprise, Business, Home Premium, and Home Basic (32-bit)	Mac OS X 10.5.x (32-bit), and 10.6.x, 10.7.x, 10.8.x, 10.9.x, 10.10.x, and 10.11.x (32- and 64-bit); macOS 10.12.x (32- and 64-bit)
	Windows 7 Ultimate, Enterprise, Professional, and Home Premium (32- and 64-bit); Home Basic and Starter (32-bit)	
	Windows 8.x, Pro, and Enterprise (32- and 64-bit)	
	Windows 10 Home, Pro, and Enterprise (32- and 64-bit)	
USB version	USB 2.0	
CPU	Intel Core2 Duo or faster (Intel Core i3 or faster recommended)	Intel Core2 Duo or faster (Intel Core i5 or faster recommended)
Memory	2GB or more (4GB or more recommended)	
Hard disk space	20MB or more	
Display	Resolution between 640 × 480 and 1920 × 1200, 16-bit color or greater	

Parent topic: Technical Specifications

Notices

Check these sections for important notices about your projector.

Important Safety Information

Important Safety Instructions

List of Safety Symbols (corresponding to IEC60950-1 A2)

FCC Compliance Statement

Open Source Software License

Trademarks

Copyright Notice

Important Safety Information

Caution: Never look into the projector lens when the lamp is turned on; the bright light can damage your eyes. Never let children look into the lens when it is on. Never open any cover on the projector, except the lamp and filter covers. Dangerous electrical voltages inside the projector can severely injure you. Except as specifically explained in this *User's Guide*, do not attempt to service this product yourself. Refer all servicing to qualified service personnel.

Warning: The projector and its accessories come packaged in plastic bags. Keep plastic bags away from small children to avoid any risk of suffocation.

Caution: When you replace the lamp, never touch the new lamp with your bare hands; the invisible residue left by the oil on your hands may shorten the lamp life. Use a cloth or glove to handle the new lamp.

Parent topic: Notices

Important Safety Instructions

Follow these safety instructions when setting up and using the projector:

• Do not look into the lens when the projector is on. The bright light can damage your eyes. Avoid standing in front of the projector so the bright light does not shine into your eyes.

- Do not place your hand or any object near the projection window. The high temperature of this area could cause burns, fire, or other damage.

- Do not place the projector on an unstable cart, stand, or table.

- Do not operate the projector on its side, or while tilted to one side. Do not tilt the projector more than 3° forward or back.

- If the projector is mounted on a ceiling or wall, it should be installed by qualified technicians using mounting hardware designed for use with this projector.

- When installing or adjusting a ceiling or wall mount, do not use adhesives to prevent the screws from loosening and do not use oils or lubricants. This may cause the projector case to crack and the projector to fall from its ceiling mount. This could cause serious injury to anyone under the mount and could damage the projector.

- Do not use the projector near water, sources of heat, high-voltage electrical wires, or sources of magnetic fields.

- Use the type of power source indicated on the projector. Use of a different power source may result in fire or electric shock. If you are not sure of the power available, consult your dealer or power company.

- Place the projector near a wall outlet where the plug can be easily unplugged.

- Take the following precautions when handling the plug: Do not hold the plug with wet hands. Do not insert the plug into a dusty outlet. Insert the plug firmly into the outlet. Do not pull the power cord when disconnecting the plug; always be sure to hold the plug when disconnecting it. Do not overload wall outlets, extension cords, or power strips. Failure to comply with these precautions could result in fire or electric shock.

- Do not place the projector where the cord can be walked on. This may result in fraying or damage to the plug.

- Unplug the projector from the wall outlet and allow to cool before cleaning. Use a dry cloth (or, for stubborn dirt or stains, a moist cloth that has been wrung dry) for cleaning. Do not use liquid or aerosol cleaners, any sprays containing flammable gas, or solvents such as alcohol, paint thinner, or benzine.

- Do not block the slots and openings in the projector case. They provide ventilation and prevent the projector from overheating. Do not operate the projector on a sofa, rug, or other soft surface, or set it on top of loose papers. Do not cover the projector with a blanket, curtain, or tablecloth. If you are setting up the projector near a wall, leave at least 7.9 inches (20 cm) of space between the wall and the projector.

- Do not operate the projector in a closed-in cabinet unless proper ventilation is provided.

- Never allow objects of any kind to enter any openings in the projector. Do not leave objects, especially flammable objects, near the projector. Never spill liquid of any kind into the projector.

- If you are using two or more projectors side-by-side, leave at least 2 feet (60 cm) of space between the projectors to allow for proper ventilation.

- You may need to clean the air filter and vent. A clogged air filter or vent can block ventilation needed to cool the projector. Do not use canned air, or the gases may leave a residue.

- Do not store the projector outdoors for an extended length of time.

- Except as specifically explained in this manual, do not attempt to service this product yourself. Refer all servicing to qualified personnel. Opening or removing covers may expose you to dangerous voltages and other hazards.

- Never open any covers on the projector except as specifically explained in this manual. Never attempt to disassemble or modify the projector. Refer all repairs to qualified service personnel.

- Unplug the projector from the wall outlet and refer servicing to qualified service personnel under the following conditions: if it does not operate normally when you follow the operating instructions, or exhibits a distinct change in performance; if smoke, strange odors, or strange noises come from the projector; if the power cord or plug is damaged or frayed; if liquid or foreign objects get inside the projector, or if it has been exposed to rain or water; if it has been dropped or the housing has been damaged.

- Do not touch the plug during an electrical storm. Otherwise, you may receive an electric shock.

- Unplug the projector when it will not be used for extended periods.

- Do not use the projector where it may be exposed to rain, water, or excessive humidity.

- Do not use or store the projector where it may be exposed to smoke, steam, corrosive gases, excessive dust, vibration, or shock.

- Do not use the projector where flammable or explosive gases may be present.

- Do not use or store the projector or remote control in a hot location, such as near a heater, in direct sunlight, or in a closed vehicle.

- If you use the projector in a country other than where you purchased it, use the correct power cord for that country.

- Do not stand on the projector or place heavy objects on it.

- Do not use the projector outside of the required temperature range below:

  41 to 104 °F (5 to 40 °C) at an altitude of 7500 feet (2286 m) or less, or 41 to 95 °F (5 to 35 °C) at an altitude of 7503 to 9842 feet (2287 m to 3000 m)

  When using multiple projectors at the same time:

  Doing so may cause an unstable display and could lead to projector damage. Do not use or store the projector where it may be exposed to sudden changes in temperature.

- Do not store the projector outside of the required temperature range of 14 to 140 °F (–10 to 60 °C) or in direct sunlight for long periods of time. Doing so may cause damage to the case.
- Do not place anything that can become warped or damaged by heat near the exhaust vents. Do not bring your hands or face close to the vents while projection is in progress. Do not bring your face close to the projector while it is in use.
- Before you move the projector, make sure its power is turned off, the plug is disconnected from the outlet, and all cables are disconnected.
- Never try to remove the lamp immediately after use because it will be extremely hot. Before removing the lamp, turn off the power and wait at least an hour to allow the lamp to cool completely.
- Do not disassemble the lamp or subject it to impacts.
- Do not place the source of an open flame, such as a lit candle, on or near the projector.
- Do not modify the power cord. Do not place heavy objects on top of the power cord or bend, twist, or pull it excessively. Keep the power cord away from hot electrical appliances.
- If the lamp breaks, ventilate the room to prevent gases contained in the lamp from being inhaled or coming in contact with your eyes or mouth. If you do inhale gases or gases come in contact with your eyes or mouth, seek medical advice immediately.
- If the projector is mounted overhead and the lamp breaks, be careful to prevent pieces of glass from falling into your eyes or mouth when you open the lamp cover. If pieces of glass do get into your eyes or mouth, seek medical advice immediately.
- Always lower the volume before turning off the projector. Turning on the projector with the volume too high can damage your ears.
- Do not store the interactive pens or the batteries in a hot location, such as near a heater, in direct sunlight, or in a closed vehicle.
- Remove the batteries from the interactive pens if you will not be using the pens for a long time.

Note: (Hg) The lamp(s) in this product contain mercury. Please consult your state and local regulations regarding disposal or recycling. Do not put in the trash.

WARNING: The cords included with this product contain chemicals, including lead, known to the State of California to cause birth defects or other reproductive harm. ***Wash hands after handling.*** (This notice is provided in accordance with Proposition 65 in Cal. Health & Safety Code § 25249.5 and following.)

Restriction of Use

Parent topic: Notices

Restriction of Use

When this product is used for applications requiring high reliability/safety such as transportation devices related to aviation, rail, marine, automotive; disaster prevention devices; various safety devices; or functional/precision devices, you should use this product only after giving consideration to including fail-safes and redundancies into your design to maintain safety and total system reliability.

Because this product was not intended for use in applications requiring extremely high reliability/safety such as aerospace equipment, main communication equipment, nuclear power control equipment, or medical equipment related to direct medical care, please make your own judgment on this product's suitability after a full evaluation.

Parent topic: Important Safety Instructions

List of Safety Symbols (corresponding to IEC60950-1 A2)

The following table lists the meaning of the safety symbols labeled on the equipment.

No.	Symbol	Approved Standards	Description
1		IEC60417 No.5007	"ON" (power) To indicate connection to the mains.
2		IEC60417 No.5008	"OFF" (power) To indicate disconnection from the mains.
3		IEC60417 No.5009	Stand-by To identify the switch or switch position by means of which part of the equipment is switched on in order to bring it into the stand-by condition.
4		ISO7000 No.0434B, IEC3864-B3.1	Caution To identify general caution when using the product.

No.	Symbol	Approved Standards	Description
5		IEC60417 No.5041	Caution, hot surface To indicate that the marked item can be hot and should not be touched without taking care.
6		IEC60417 No.6042 ISO3864-B3.6	Caution, risk of electric shock To identify equipment that has risk of electric shock.
7		IEC60417 No.5957	For indoor use only To identify electrical equipment designed primarily for indoor use.
8		IEC60417 No.5926	Polarity of DC power connector To identify the positive and negative connections (the polarity) on a piece of equipment to which a DC power supply may be connected.
9		—	Polarity of DC power connector To identify the positive and negative connections (the polarity) on a piece of equipment to which a DC. power supply may be connected.
10		IEC60417 No.5001B	Battery, general On battery powered equipment. To identify a device for instance a cover for the battery compartment, or the connector terminals.
11		IEC60417 No.5002	Positioning of cell To identify the battery holder itself and to identify the positioning of the cell(s) inside the battery holder.

No.	Symbol	Approved Standards	Description
12		—	Positioning of cell
			To identify the battery holder itself and to identify the positioning of the cell(s) inside the battery holder.
13		IEC60417	Protective earth
		No.5019	To identify any terminal which is intended for connection to an external conductor for protection against electric shock in case of a fault, or the terminal of a protective earth electrode.
14		IEC60417	Earth
		No.5017	To identify an earth (ground) terminal in cases where neither the symbol No.13 is explicitly required.
15		IEC60417	Alternating current
		No.5032	To indicate on the rating plate that the equipment is suitable for alternating current only; to identify relevant terminals.
16		IEC60417	Direct current
		No.5031	To indicate on the rating plate that the equipment is suitable for direct current only; to identify relevant terminals.
17		IEC60417	Class II equipment
		No.5172	To identify equipment meeting the safety requirements specified for Class II equipment according to IEC 61140.
18		ISO 3864	General prohibition
			To identify actions or operations that are prohibited.

No.	Symbol	Approved Standards	Description
19		ISO 3864	Contact prohibition
			To indicate injury that could occur due to touching a specific part of the equipment.
20		—	Never look into the optical lens while the projector is on.
21		—	To indicate that the marked item don't place anything on projector.
22		ISO3864	Caution, laser radiation
		IEC60825-1	To indicate the equipment has a laser radiation part.
23		ISO 3864	Disassembly prohibition
			To indicate a risk of injury, such as electric shock, if the equipment is disassembled.
24		IEC60417	Standby, partial standby
		No. 5266	To indicate that part of the equipment is in the ready status.
25		ISO3864	Caution, movable parts
		IEC60417	To indicate that you must keep away from movable parts according to protection standards.
		No. 5057	

Parent topic: Notices

FCC Compliance Statement

For United States Users

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference to radio and television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

WARNING

The connection of a non-shielded equipment interface cable to this equipment will invalidate the FCC Certification or Declaration of this device and may cause interference levels which exceed the limits established by the FCC for this equipment. It is the responsibility of the user to obtain and use a shielded equipment interface cable with this device. If this equipment has more than one interface connector, do not leave cables connected to unused interfaces. Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

Parent topic: Notices

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The list of GPL Programs

- busybox-1.21.0
- iptables-1.4.20
- linux-3.4.49
- patches
- udhcp 0.9.8
- wireless_tools 29
- dbus-1.6.18
- EPSON original drivers
- Stonestreet One Drivers

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Version 2, June 1991

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Version 2.1, February 1999

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