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PROJECTOR OWNER'S MANUAL

Epson
EB-720

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EPSON
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PowerLite EB-720/EB-725W
User's Guide

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Copyright Attribution 269

PowerLite EB-720/EB-725W User's Guide

Welcome to the PowerLite EB-720/EB-725W *User's Guide*.

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

Note: Availability of products in this guide varies by country.

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
Additional Projector Software and Manuals
Projector Part Locations

Projector Features

The PowerLite EB-720/EB-725W projectors include these special features:

Bright, high-resolution projection system

- PowerLite EB-720: Up to 3800 lumens of color brightness (color light output) and white brightness (white light output)
- PowerLite EB-725W: Up to 4000 lumens of color brightness (color light output) and 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.

- PowerLite EB-720: Native resolution of 1024 × 768 pixels (XGA)
- PowerLite EB-725W: Native resolution of 1280 × 800 pixels (WXGA)

Flexible connectivity

- Three HDMI ports for computer or video device connection
- Plug-and-play USB projection and audio for instant setup
- Wired and wireless network support for projection
- Screen mirroring to connect your mobile device wirelessly using Miracast technology
- Projector monitoring and control via remote network computer
- PC Free photo slide shows via connected USB memory devices or Epson document camera
- Use Epson iProjection (Windows/Mac) to simultaneously project up to four images from network computers or mobile devices using the Epson iProjection app

- Projection from an iOS device, Android device, or Chromebook with the free Epson iProjection app; visit epson.com/iprojection (U.S.), epson.ca/iprojection (Canada), or latin.epson.com/iprojection (Latin America) for more information

Innovative display and operation features

- Long-life laser light source
- High digital zoom ratio for larger images in shorter projection distances
- 2,500,000:1 contrast ratio and Dynamic Contrast 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 Direct Power On and Auto Power On features for quick and easy setup
- Support for Crestron Connected network monitoring systems
- Network message broadcast system to project timely messages to all networked projectors

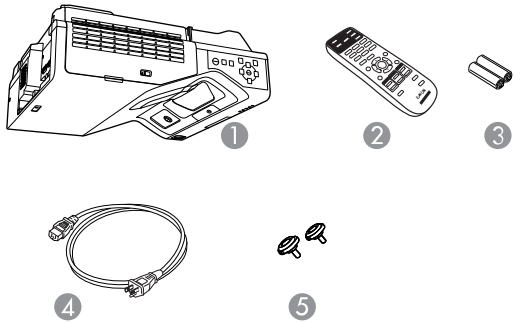
Product Box Contents
Additional Components
Optional Equipment and Replacement Parts (U.S. and Canada)
Optional Equipment and Replacement Parts (Latin America)
Warranty and Registration Information (U.S. and Canada)
Warranty and Registration Information (Latin America)

Parent topic: Introduction to Your Projector

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 box included all of these parts:



1 Projector

2 Remote control

3 Remote control batteries (2 AA alkaline)

4 Power cord

5 Projector feet

Parent topic: Projector Features

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
HDMI	Compatible HDMI cable Available for purchase from Epson or an authorized Epson reseller. **Note:** Older Mac computers (2009 and earlier) may not support HDMI audio.
Audio from certain ports	Commercially available audio cable compatible with your device
VGA	To connect a computer through its VGA port to the projector's VGA video port, you need a VGA computer cable.
USB	Compatible USB cable

Parent topic: Projector Features

Optional Equipment and Replacement Parts (U.S. and Canada)

You can purchase screens, other optional accessories, and replacement parts from an Epson authorized reseller. To find the nearest reseller, call 800-GO-EPSON (800-463-7766) in the U.S. or 800-807-7766 in Canada. Or you can purchase online at epsonstore.com (U.S. sales) or epsonstore.ca (Canadian sales).

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

Option or part	Part number
Replacement air filter (ELPAF60)	V13H134A60
Ultra-short throw wall mount (ELPMB62)	V12HA06A05
Wireless LAN module (ELPAP11)	V12H005A02
100” Whiteboard 16:9 Aspect from MooreCo	V12H006A02
Epson DC-07 document camera (ELPDC07)	V12H759020
Epson DC-13 document camera (ELPDC13)	V12H757020
Epson DC-21 document camera (ELPDC21)	V12H758020
Active speakers (ELPSP02)	V12H467020
USB Extension Cable (ELPKC31)	V12H525001

In addition to the accessories listed above, 1-year and 2-year extended service plans are available.

Parent topic: Projector Features

Related references

Where to Get Help (U.S. and Canada)

Where to Get Help (Latin America)

Optional Equipment and Replacement Parts (Latin America)

You can purchase optional accessories and replacement parts from an Epson authorized reseller. To find the nearest reseller, go to latin.epson.com. 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
Replacement air filter (ELPAF60)	V13H134A60
Ultra-short throw wall mount (ELPMB62)	V12HA06A05
Wireless LAN module (ELPAP11)	V12H005A02

Parent topic: Projector Features

Related references

Where to Get Help (U.S. and Canada)

Where to Get Help (Latin America)

Warranty and Registration Information (U.S. and Canada)

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

Register your product online at this site: epson.com/webreg

Registering also lets you receive special updates on new accessories, products, and services.

Parent topic: Projector Features

Warranty and Registration Information (Latin America)

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

Register your product online at latin.epson.com/support, search for your product, and select **Register**.

Registering also lets you receive special updates on new accessories, products, and services.

Parent topic: Projector Features

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, press the arrow buttons to select the  help icon, and press **Enter** to get quick solutions to common problems.

- epson.com/support (U.S.), epson.ca/support (Canada), or latin.epson.com/support (Caribbean)

  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, you can use the Epson PrivateLine Support service to get help fast. For details, see "Where to Get Help."

Parent topic: Introduction to Your Projector

Related references

Where to Get Help (U.S. and Canada)

Where to Get Help (Latin America)

Additional Projector Software and Manuals

After connecting and setting up the projector, install the projector software as necessary. You may need to install it from a software CD, if included, 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.

Note: If you still need help after checking this manual and the sources listed here, you can use the Epson PrivateLine Support service to get help fast. For details, see "Where to Get Help."

Projector software	Manual	Description
Epson Projector Management (Windows only)	*Epson Projector Management Operation Guide*	Lets you update firmware and 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/support (U.S.), epson.ca/support (Canada), or latin.epson.com/support (Caribbean) and select your projector.
Epson iProjection (Windows/Mac)	*Epson iProjection Operation Guide (Windows/Mac)*	Lets you project the computer screens of users over a network. You can download the latest software and documentation from the Epson web site. Go to epson.com/support (U.S.), epson.ca/support (Canada), or latin.epson.com/support (Caribbean) and select your projector.
Epson iProjection app	Instructions are included with the app (instructions included with the app available only in English)	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 epson.com/support (U.S.), epson.ca/support (Canada), or latin.epson.com/support (Caribbean) for more information.

Projector software	Manual	Description
—	*Open Source Software License*	You can download this document from the Epson web site. Go to epson.com/support (U.S.), epson.ca/support (Canada), or latin.epson.com/support (Caribbean) and select your projector.

Parent topic: Introduction to Your Projector

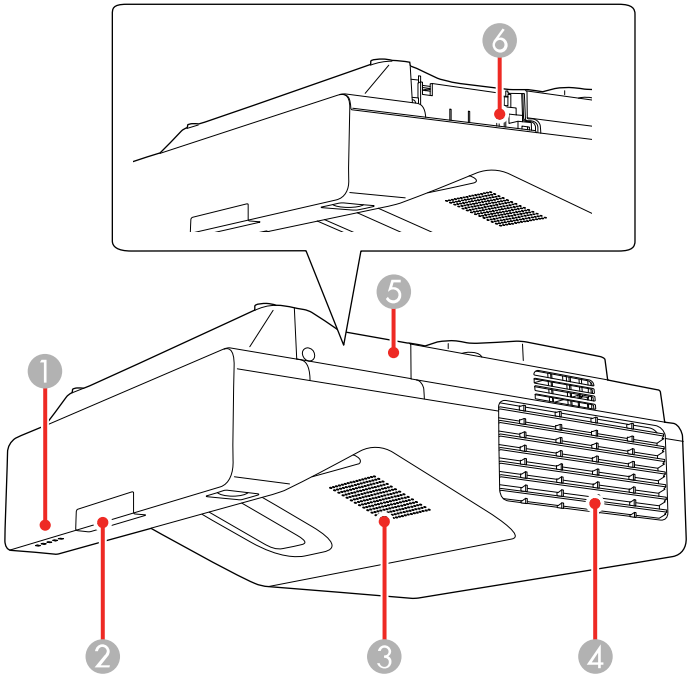
Projector Part Locations

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

Projector Parts - Front/Side
Projector Parts - Top/Side
Projector Parts - Back Panel
Projector Parts - Base
Projector Parts - Control Panel
Projector Parts - Remote Control

Parent topic: Introduction to Your Projector

Projector Parts - Front/Side

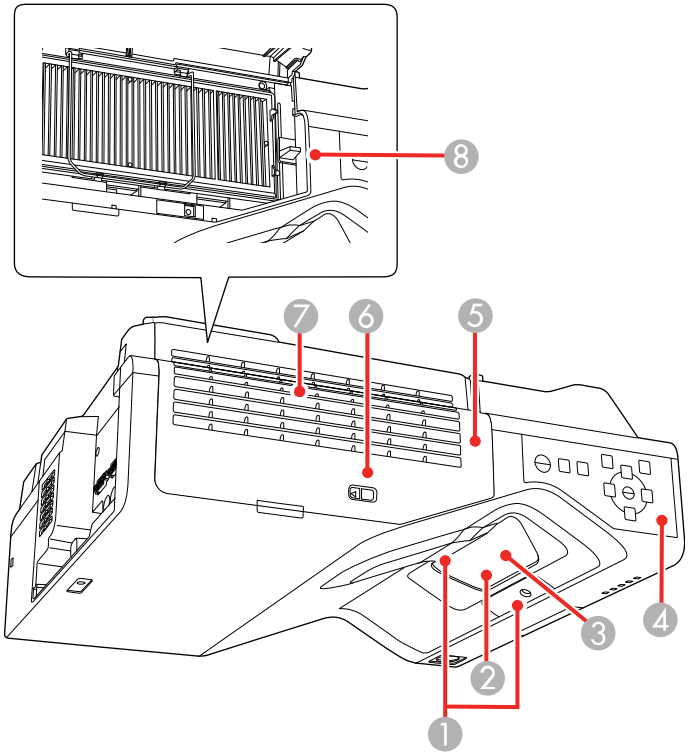


1 Status lights
2 Remote control receiver
3 Speaker
4 Exhaust vent
5 Optional wireless LAN module cover
6 Optional wireless LAN module slot

Parent topic: Projector Part Locations

Related references
Projector Light Status

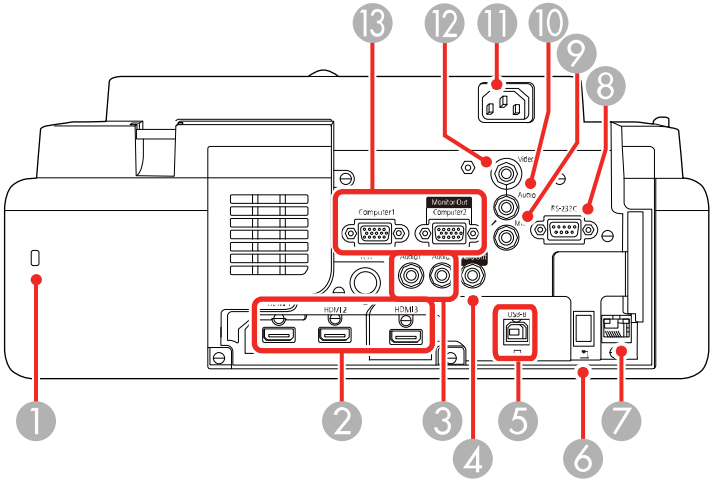
Projector Parts - Top/Side



1 Obstacle sensors
2 Projection window
3 Remote receiver
4 Control panel
5 Air filter cover
6 Air filter cover latch
7 Air intake vent (air filter)
8 Focus lever

Parent topic: Projector Part Locations

Projector Parts - Back Panel



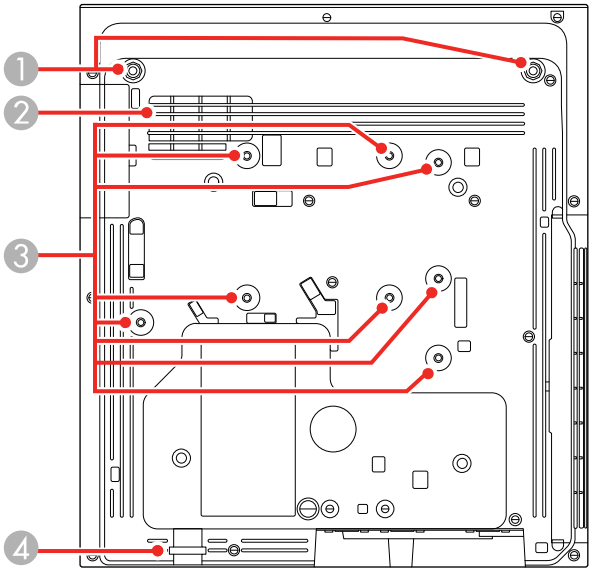
1 Security slot
2 **HDMI 1**/**HDMI 2**/**HDMI 3** ports
3 **Audio 1**/**Audio 2** ports for use with the **Computer 1**/**Computer 2** ports
4 **Audio Out** port
5 **USB-B** port for computer connection
6 **USB-A** port for USB memory device or document camera
7 Network (**LAN**) port
8 **RS-232C** port
9 **Mic** port
10 **Audio** port for use with **Video** port
11 Power inlet
12 **Video** port
13 **Computer 1** and **Computer 2**/**Monitor Out** ports

Parent topic: Projector Part Locations

Related concepts

Projector Connections

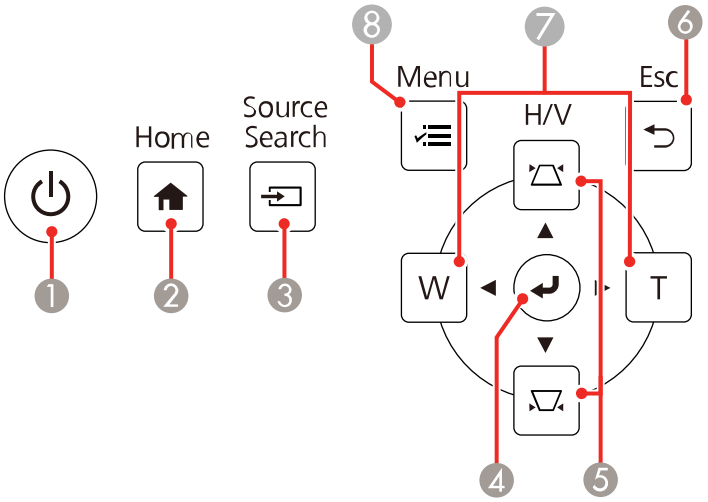
Projector Parts - Base



1	Front foot holes (2)
2	Air intake vent
3	Wall mounting plate holes (8)
4	Security cable attachment point

Parent topic: Projector Part Locations

Projector Parts - Control Panel



1 Power button

2 **Home** button (accesses projector Home screen)

3 **Source Search** button (searches for connected video sources)

4 **Enter** button (selects options)

5 Vertical keystone adjustment buttons (display the adjustment screen and adjust screen shape) and arrow buttons

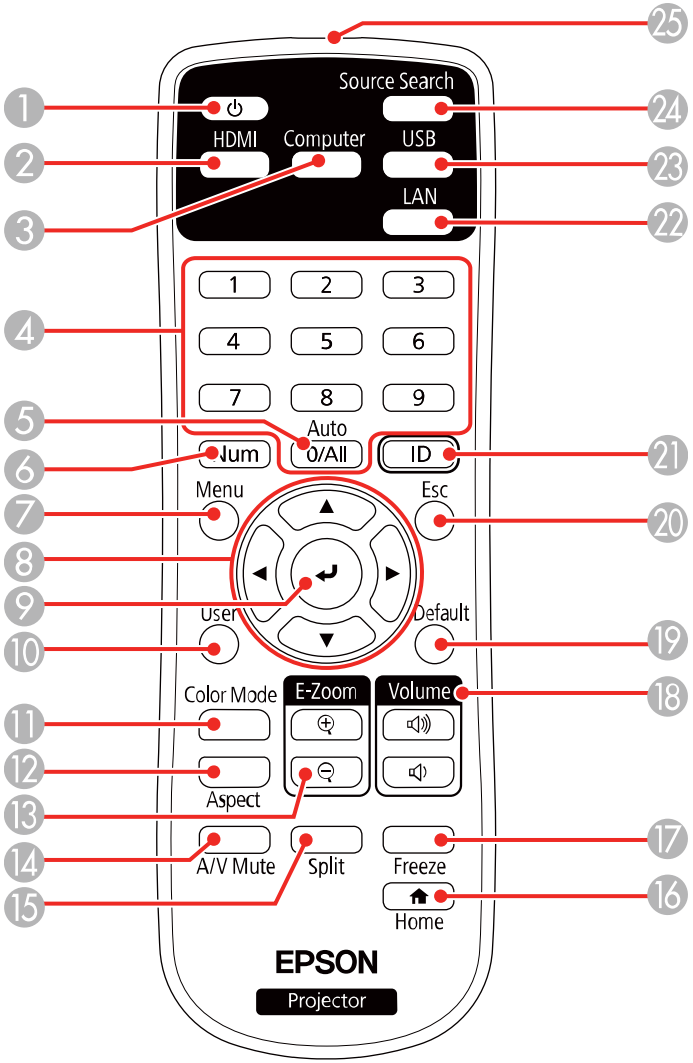
6 **Esc** button (cancels/exits functions)

7 **W**/**T** (Wide/Tele) buttons (adjust projected image size) and arrow buttons

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

Parent topic: Projector Part Locations

Projector Parts - Remote Control



1 Power button

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

3 **Computer** button
4 Numeric buttons
5 **Auto** button (automatically adjusts position, tracking, and sync settings)
6 **Num** button (when held down, switches numeric buttons to number function)
7 **Menu** button (accesses projector menu system)
8 Arrow buttons (move through on-screen options and control wireless mouse functions)
9 ↵ Enter button (selects options and controls wireless mouse functions)
10 **User** button (customizable for different functions)
11 **Color Mode** button (selects display modes)
12 **Aspect** button (selects the image aspect ratio)
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 **Home** button (accesses projector Home screen)
17 **Freeze** button (stops video action)
18 **Volume** up/down buttons (adjust speaker volume)
19 **Default** button (returns the current setting to its default)
20 **Esc** button (cancels/exits functions and controls wireless mouse functions)
21 **ID** button (selects a projector to use with the remote control)
22 **LAN** button (connects to a network source)
23 **USB** button (cycles between USB Display and USB-A ports)
24 **Source Search** button (searches for connected sources)
25 Remote control emitter

Parent topic: Projector Part Locations

Setting Up the Projector

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

Projector Placement
Projector Connections
Installing Batteries in the Remote Control

Projector Placement

Your ultra-short throw projector is designed to be installed on a wall (with a wall mount).

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

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

- Follow the instructions in the online *Installation Guide* to install the projector.
- 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.
- If you are using the projector at altitudes above 4921 feet (1500 m), set the **High Altitude Mode** setting to **On** in the projector's Installation menu to ensure the projector's internal temperature is regulated properly.
- Position the projector within reach of a grounded electrical outlet or extension cord.
- If installing on a wall, the wall mount (V12HA06A05) is required.
- If the projector is not mounted, install the front projector feet and place it on a sturdy, level surface.
- Place the projector so it squarely faces the screen, not at an angle. If you cannot install the projector squarely facing the screen, correct any resulting image distortion using the projector controls.
- Try not to set up the projector in locations subject to high humidity and dust, or in locations subject to smoke from fires or tobacco smoke.

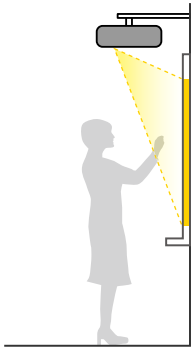
Projector Setup and Installation Options
Projection Distance

Parent topic: Setting Up the Projector

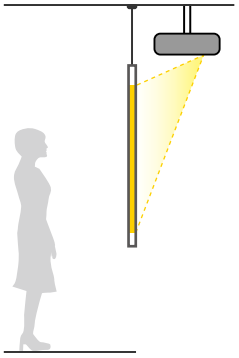
Projector Setup and Installation Options

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

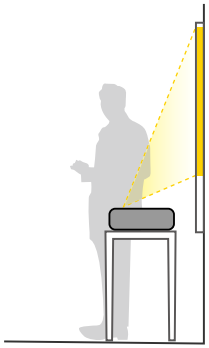
Mounted on the wall or ceiling



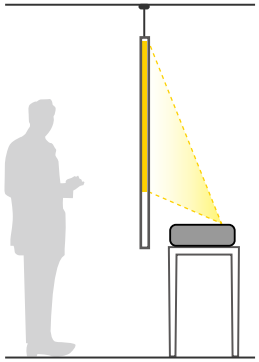
Mounted on the wall or ceiling and projecting from behind a translucent screen



Front projection from a table or portable cart



Rear projection from a table or portable cart behind a translucent screen



Wherever you set up the projector, make sure to position it squarely in front of the screen, not at an angle.

If you place the projector vertically, turn on the **Vertical Installation** setting in the projector's Installation menu.

If you install the projector to a fixed location, turn on the **Fixed Installation** setting in the projector's Installation menu.

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

Parent topic: Projector Placement

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 online *Installation Guide* 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 (U.S.), here (Canada), or here (Caribbean).

Parent topic: Projector Placement

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 External Output Devices
Connecting to External USB Devices
Connecting to a Document Camera

Parent topic: Setting Up the Projector

Related references

Additional Components
Installation Settings - Installation Menu

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 and Audio
Connecting to a Computer for HDMI Video and Audio
Connecting to a Computer for Sound

Parent topic: Projector Connections

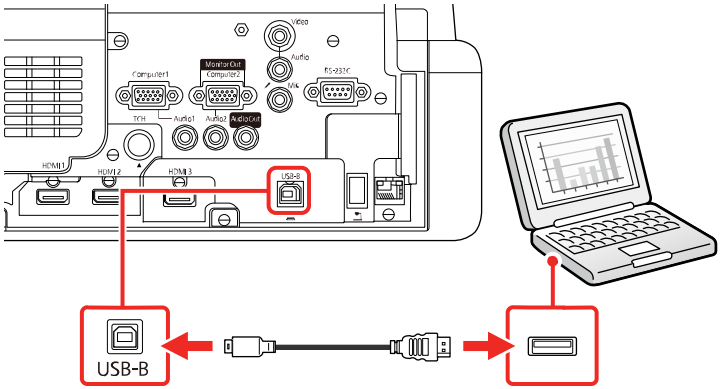
Connecting to a Computer for USB Video and Audio

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

Note: If you use a USB hub, the connection may not operate properly. Connect the USB cable directly to the projector.

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.



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

Related references

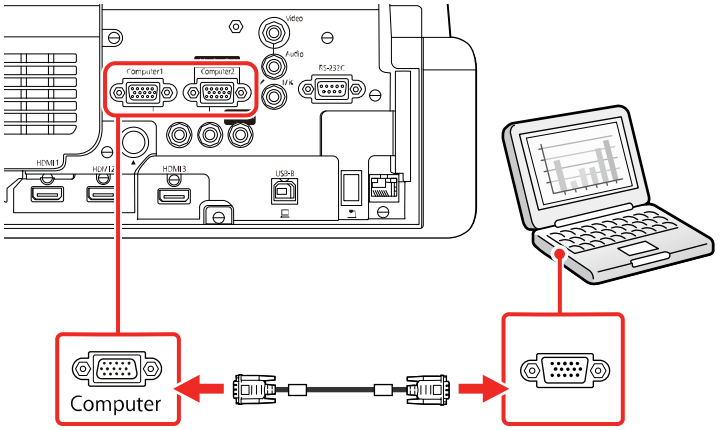
Input Signal Settings - Signal I/O Menu

Connecting to a Computer for VGA Video and Audio

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.



4. Tighten the screws on the VGA connector.

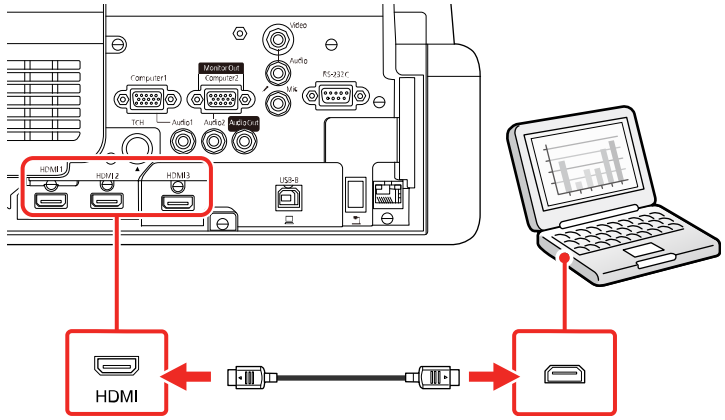
Parent topic: Connecting to Computer Sources

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.



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. (Make sure the HDMI audio playback device on your computer's audio settings is set to **EPSON PJ**.)

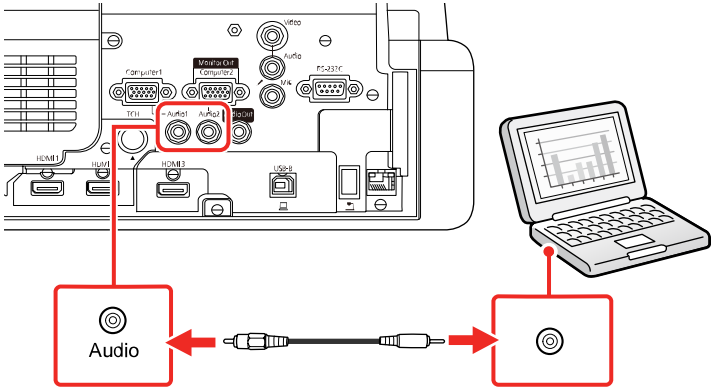
Note: If you have problems hearing audio through the HDMI connection, you can use one of the projector's audio ports instead to play sound. Connect one end of an optional 3.5 mm stereo mini-jack audio cable to one of the projector's audio ports and the other end to your computer's audio out port. Then select the audio port you connected to as the **HDMI1 Audio Output**, **HDMI2 Audio Output** or **HDMI3 Audio Output** setting in the Signal I/O menu.

Parent topic: Connecting to Computer Sources

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 an **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.



Parent topic: Connecting to Computer Sources

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 a Composite Video Source
Connecting to a Video Source for Sound

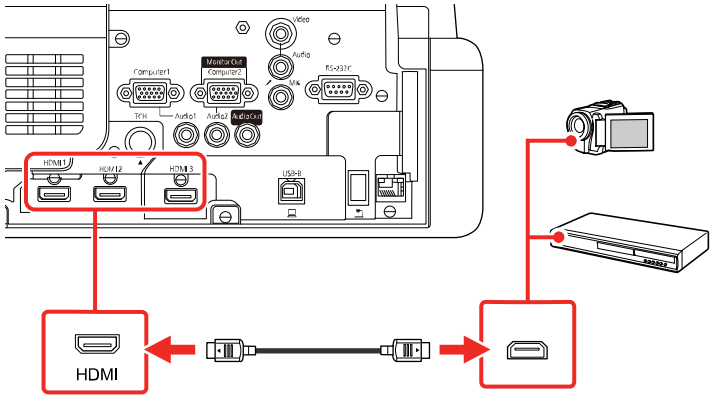
Parent topic: Projector Connections

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.

Caution: Do not turn on the video source before connecting it to the projector. Doing so could damage the projector.

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.



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.

Note: If you have problems hearing audio through the HDMI connection, you can use one of the projector's audio ports instead to play sound. Connect one end of an optional 3.5 mm stereo mini-jack audio cable to one of the projector's audio ports and the other end to your video source's audio out port. Then select the audio port you connected to as the **HDMI1 Audio Output**, **HDMI2 Audio Output** or **HDMI3 Audio Output** setting in the Signal I/O menu.

Parent topic: Connecting to Video Sources

Related references

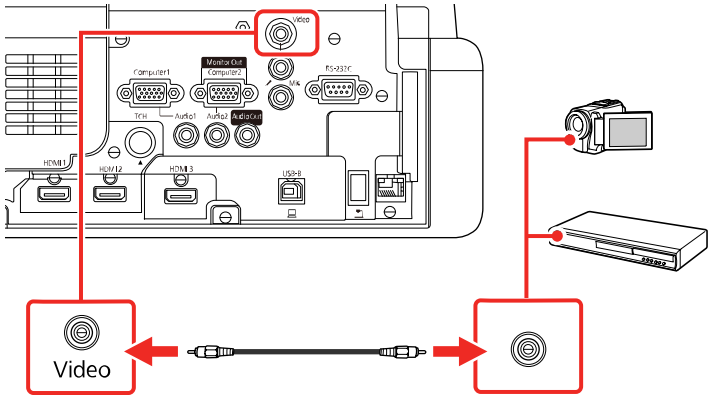
Input Signal Settings - Signal I/O Menu

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.



Parent topic: Connecting to Video Sources

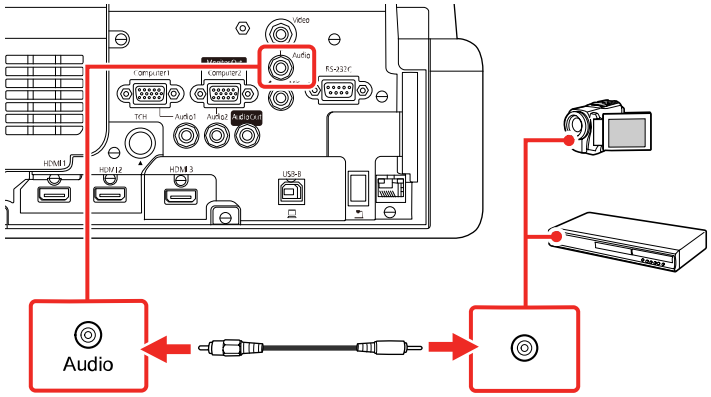
Connecting to a Video Source for Sound

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 **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.



Parent topic: Connecting to Video Sources

Connecting External Output Devices

See these sections to connect the projector to external output devices.

Connecting to an External Computer Monitor
Connecting to External Speakers
Connecting a Microphone

Parent topic: Projector Connections

Connecting to an External Computer Monitor

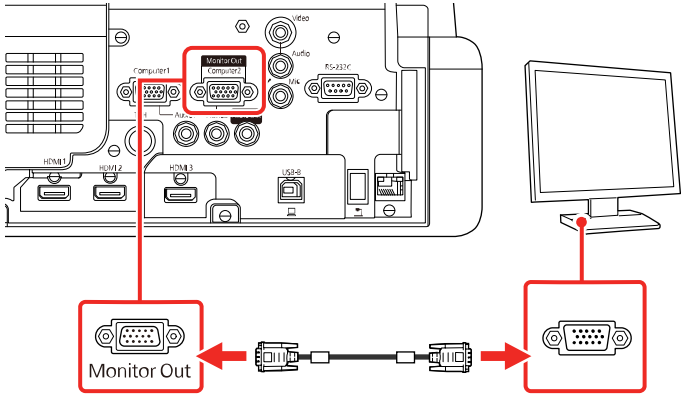
If you connected a computer to the projector's **Computer1** port, you can also connect an external monitor to the projector. This lets you see your presentation on the external monitor even when the projected image is not visible.

To output images to an external VGA monitor, set the **Monitor Out Port** setting to **Monitor Out** in the projector's Signal I/O menu.

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

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 **Computer2/Monitor Out** port.



Parent topic: Connecting External Output Devices

Related references

Input Signal Settings - Signal I/O Menu

Connecting to External Speakers

You can connect the projector to external self-powered speakers and control the volume using the projector's remote control.

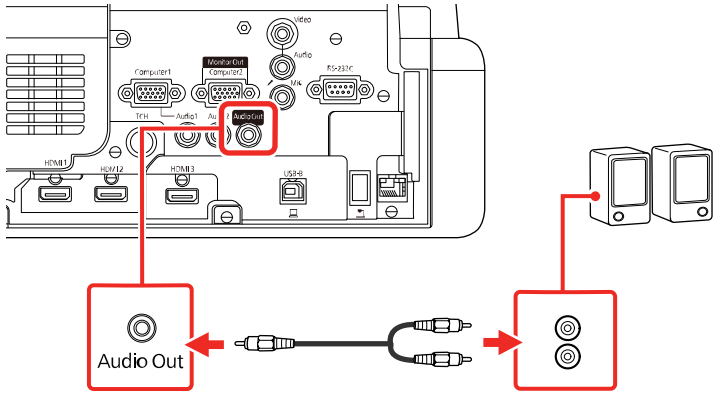
You can also connect the projector to an amplifier with speakers.

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

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.



Parent topic: Connecting External Output Devices

Related references

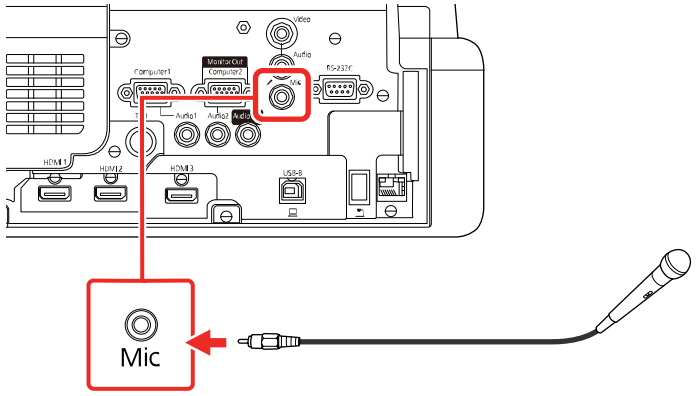
Input Signal Settings - Signal I/O Menu

Connecting a Microphone

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

Note: The projector does not support plug-in-power microphones. If you want to output audio from the microphone when the projector is off, select **Always On** as the **A/V Output** setting in the Signal I/O menu.

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



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 Signal I/O menu.

Parent topic: Connecting External Output Devices

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

Related tasks

Starting a PC Free Slideshow

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 FAT16 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

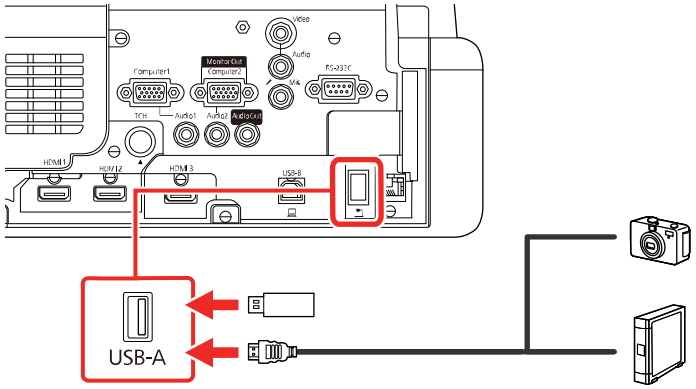
Related tasks

Starting a PC Free Slideshow

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) to the projector's **USB-A** port.



Note: Use the USB cable supplied with or specified for use with your device. 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 tasks

Starting a PC Free Slideshow

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** or **Source Search** button on the remote control.

Parent topic: Connecting to External USB Devices

Related tasks

Starting a PC Free Slideshow

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

Related tasks

Starting a PC Free Slideshow

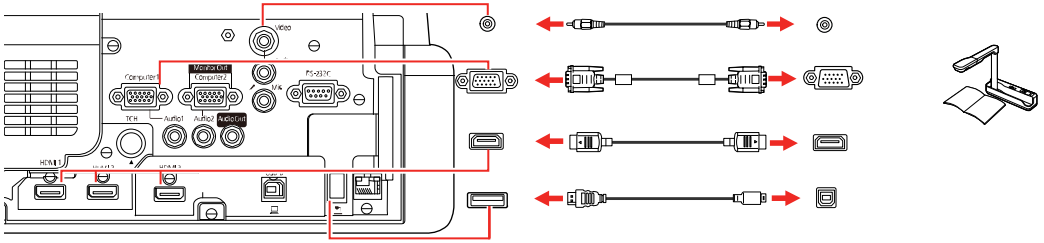
Connecting to a Document Camera

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-07 document camera, locate the USB cable that came with the camera and connect it to the projector's **USB-A** port and to the document camera's USB Type B port.
- For the Epson DC-11 document camera, connect it to the projector's **Computer** or **Video** port and to the corresponding port on the document camera. See the document camera manual for details.

- For the Epson DC-13 document camera, connect it to the projector's **HDMI** or **Computer** port and to the corresponding port on the document camera. See the document camera manual for details.
- For the Epson DC-20 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.
- For the Epson DC-21 document camera, connect it to the projector's **HDMI** or **Computer** port and to the corresponding port on the document camera. See the document camera manual for details.



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.

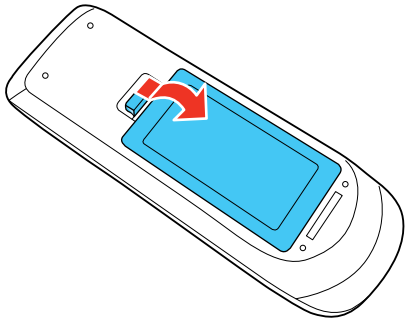
Parent topic: Projector Connections

Installing Batteries in the Remote Control

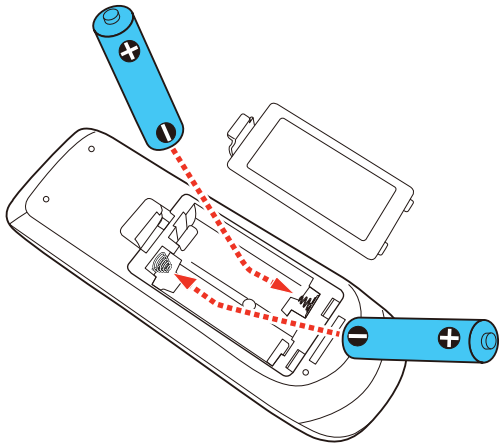
The remote control uses the two AA batteries that came with the projector.

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

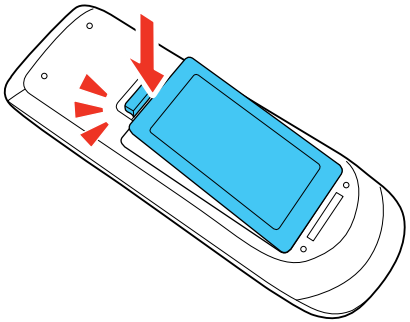
1. Remove the battery cover.



2. Insert the batteries with the **+** and **–** ends facing as shown.



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



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.

Wired Network Projection
Wireless Network Projection
Wireless Network Projection from a Mobile Device or Windows Computer (Screen Mirroring)
Screen Sharing
Setting Up Projector Network E-Mail Alerts
Setting Up Monitoring Using SNMP
Controlling a Networked Projector Using a Web Browser
Using Crestron Connected
Registering a Digital Certificate on the Projector

Wired Network Projection

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

After connecting and setting up the projector, install the projector software. You may need to install it from a software CD, if included, or download the software and manuals as necessary.

Note: If your projector is connected via a LAN (Ethernet) 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

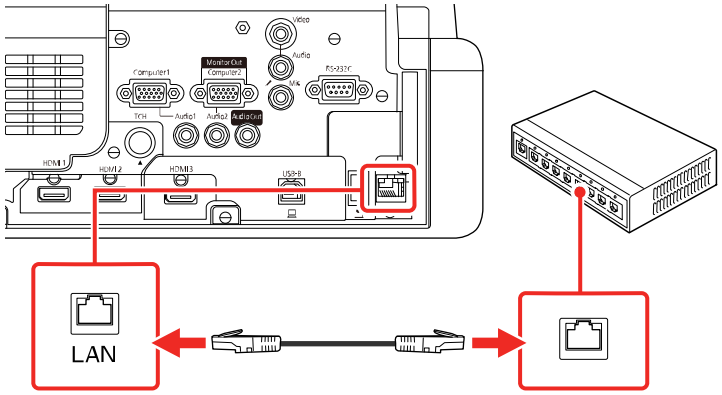
Related references
Additional Projector Software and Manuals

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 higher.

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.



Parent topic: Wired Network Projection

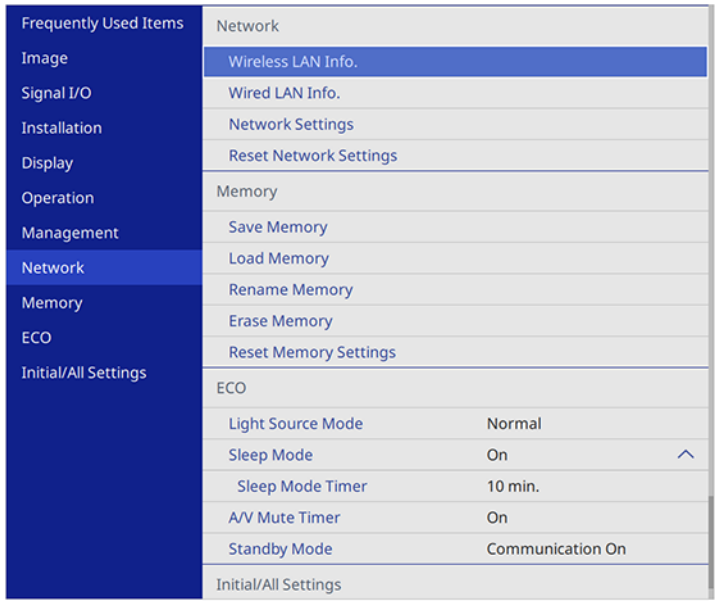
Selecting Wired Network Settings

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**.

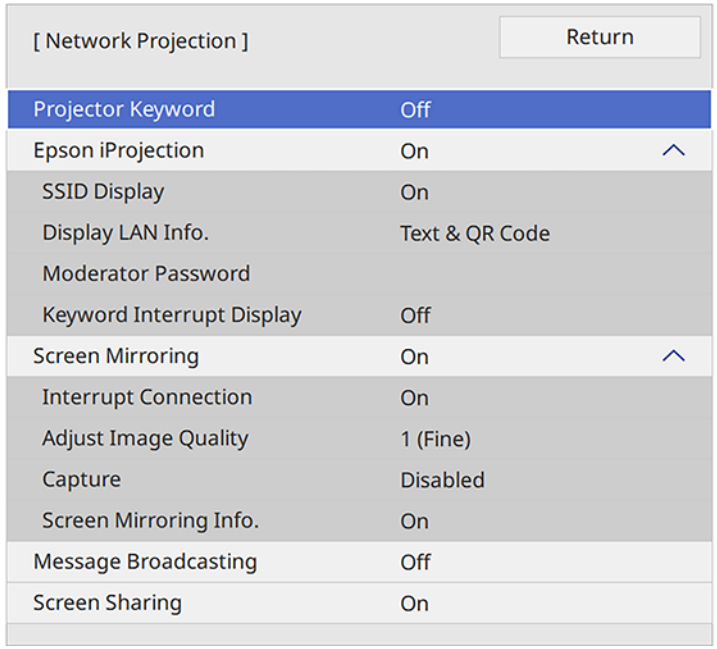


4. Select **Network Settings** and press **Enter**.
5. Select **Projector Name** and enter a name up to 16 alphanumeric characters long to identify the projector on a network.
6. Set the **Priority Control Interface** setting to **Wired LAN**.
7. Select the **Wired LAN** menu and press **Enter**.
8. 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**. Alternatively, 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** in the Wired LAN menu.
11. Select **Return** and press **Enter** to return to the Network Settings menu.
12. Select **Network Projection** and press **Enter**.

    You see a screen like this:



13. Set the **Epson iProjection** setting to **On**.
14. Select the following options as necessary:
    - **SSID Display** lets you display the SSID on the network information screen and home screen.
    - **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.
    - **Moderator Password** lets you enter a password up to 4 numbers long for accessing the projector as a moderator with the Epson iProjection (Windows/Mac) software or the Epson iProjection app. (No default password.)

- **Keyword Interrupt Display** lets you select whether to display a projector keyword on the projected image when accessing the projector using Epson iProjection.

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

15. When you finish selecting settings, select **Return** and press **Enter** to return the **Network Settings** menu.
16. Select **Set**, and follow the on-screen instructions to save your settings and exit the menus.

Parent topic: Wired Network Projection

Related references

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.

To connect wirelessly to your projector, configure the connection using the projector's Network menus.

After connecting and setting up the projector, install the projector software. You may need to install it from a software CD, if included, 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 Directly to a Smartphone or Tablet
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
Installing the Additional Wireless LAN Module

Parent topic: Using the Projector on a Network

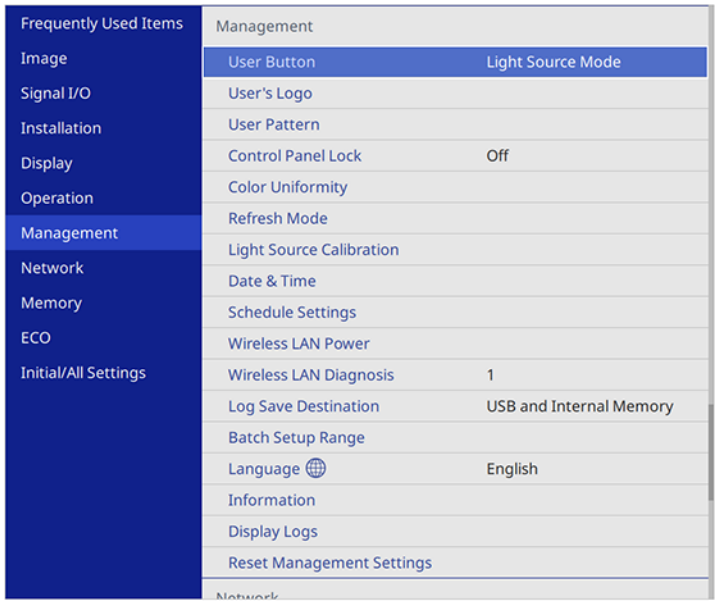
Related references

Additional Projector Software and Manuals

Connecting Directly to a Smartphone or Tablet

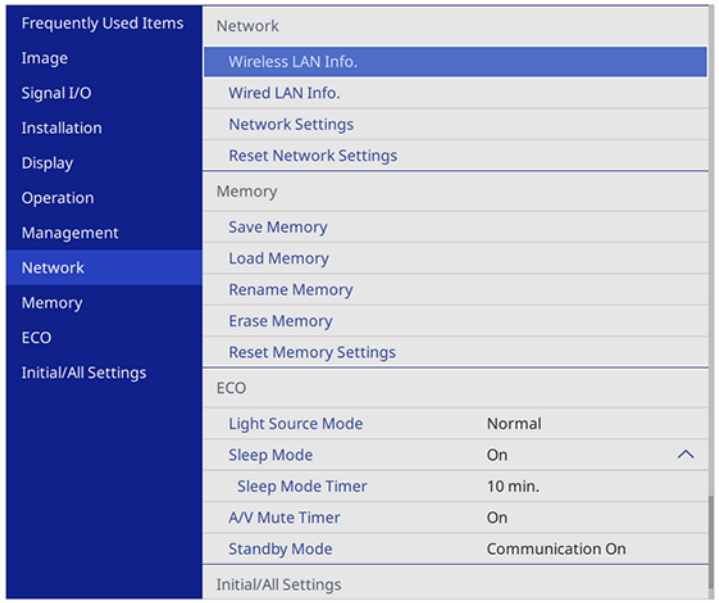
You can display a QR code on the screen and use it to connect a single smartphone or tablet to your projector with the Epson iProjection app.

1. Download the latest version of the Epson iProjection app 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 **Management** menu and press **Enter**.



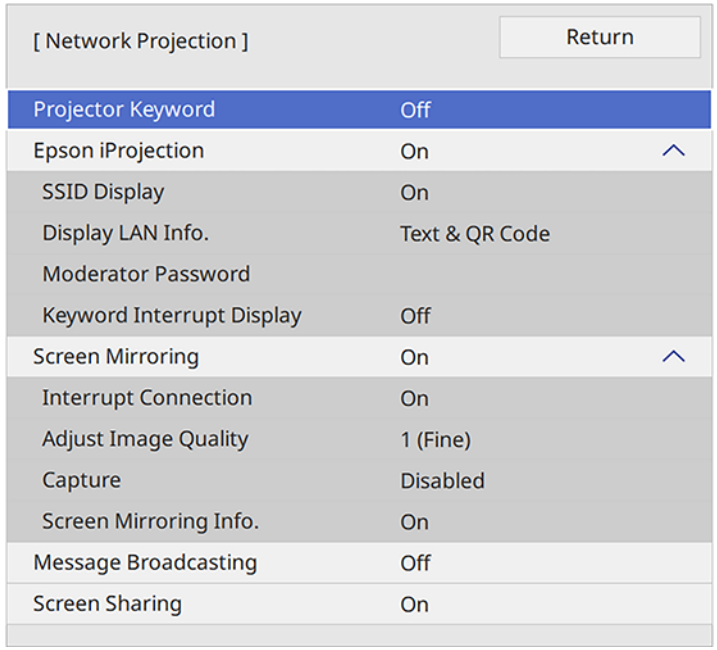
4. Select **On** as the **Wireless LAN Power** setting.

5. Select the **Network** menu and press ↵ **Enter**.



6. Select **Network Settings** and press ↵ **Enter**.
7. Set the **Priority Control Interface** setting to **Wireless LAN**.

8. Make sure **Simple AP** is set to **On**.
9. Select **Network Projection** and press **Enter**.



10. Turn on the **Projector Keyword** setting if you want to prevent access to the projector by anyone not in the room with it.

    Note: The projector displays a random keyword that you must enter from a computer using the Epson iProjection (Windows/Mac) software to access the projector.

11. Select **On** as the **Epson iProjection** setting.
12. Select the following settings as necessary:
    - **SSID Display** selects whether to display the SSID on the network standby screen and Home screen.
    - **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.

- **Moderator Password** lets you enter a password up to 4 numbers long for accessing the projector as a moderator with the Epson iProjection (Windows/Mac) software or the Epson iProjection app. (No default password.)
- **Keyword Interrupt Display** lets you select whether to display a projector keyword on the projected image when accessing the projector using Epson iProjection.

13. When you finish selecting settings, select **Return** and press **Enter** to return to the **Network Settings** menu
14. Select **Set**, and follow the on-screen instructions to save your settings and exit the menus.
15. Press the **LAN** button on the remote control.

    Your projector displays a QR code on the projection surface. You can press **Enter** to hide and show the QR code on the screen. If you do not see the QR code, set the **Display LAN Info** setting to **Text & QR Code** in the Network menu.
16. Open the Epson iProjection app on your smartphone or tablet.
17. Use the QR code reader feature to read the QR code and connect your device to the projector.

    Note: The projector and the smartphone must be on the same wireless network in order to establish a connection.

Your smartphone or tablet is now connected to your projector. Visit epson.com/iprojection (U.S.), epson.ca/iprojection (Canada), or latin.epson.com/iprojection (Latin America) for information on controlling your projector with the Epson iProjection app.

Parent topic: Wireless Network Projection

Related references

Network Settings - Network Menu
Administration Settings - Management Menu

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 Epson iProjection (Windows) software.

   Note: See the online *Epson iProjection Operation Guide* for instructions.

2. Turn on the projector.
3. Press the **LAN** button on the remote control.

   The LAN standby screen is displayed.
4. Verify the SSID and IP address.
5. Insert the USB key into the projector's **USB-A** port.

   You see a projected message that the network information update is complete.
6. Remove the USB key.
7. Insert the USB key into a USB port on your computer.
8. Follow the on-screen instructions to install the Epson iProjection 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.
9. Run your presentation as necessary.
10. 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.

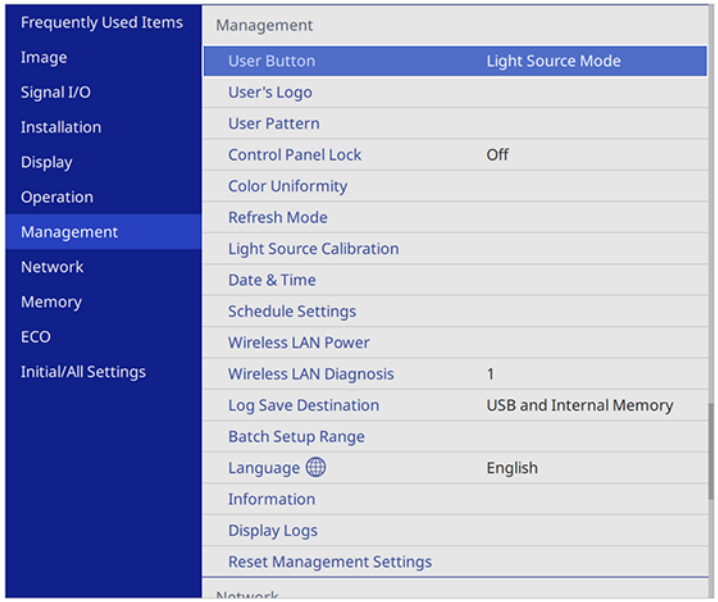
Parent topic: Wireless Network Projection

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.

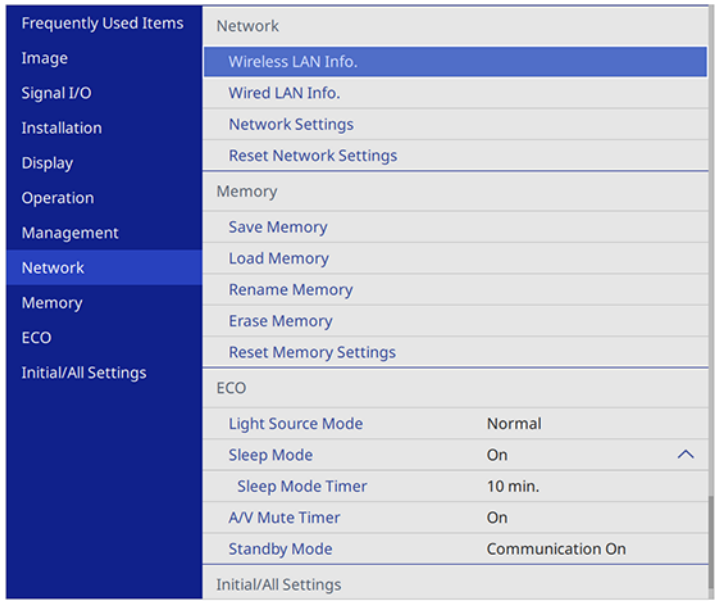
1. Turn on the projector.

2. Press the **Menu** button.
3. Select the **Management** menu and press **Enter**.



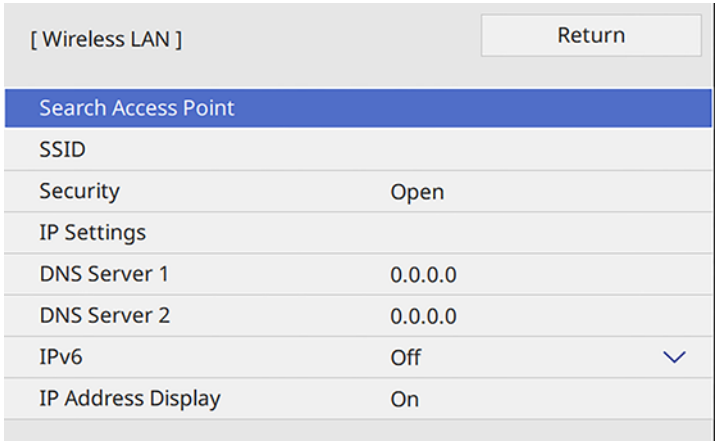
4. Select **On** as the **Wireless LAN Power** setting.

5. Select the **Network** menu and press ↵ **Enter**.



6. Select **Network Settings** and press ↵ **Enter**.
7. Select **Projector Name** and enter a name up to 16 alphanumeric characters long to identify the projector on the network.
8. Set the **Priority Control Interface** setting to **Wireless LAN**.
9. Select the connection method:
   - To connect directly to a wireless device (Simple AP mode), set the **Simple AP** setting to **On** and go to step 17.
   - To connect to a device via a wireless network router (infrastructure mode), set the **Simple AP** setting to **Off** and go to the next step.
   - If you installed the optional wireless LAN module and want to use both connection methods, set the **Simple AP** setting to **On** and go to the next step.

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



11. Select **Search Access Point** and press **Enter**.

    The projector searches for wireless networks.

12. Select the network you want to connect to and enter the password, if necessary.

    Note: If you need to assign the SSID manually, select **SSID** to enter the SSID. The SSID and password are case-sensitive. Make sure you enter them in the correct case.

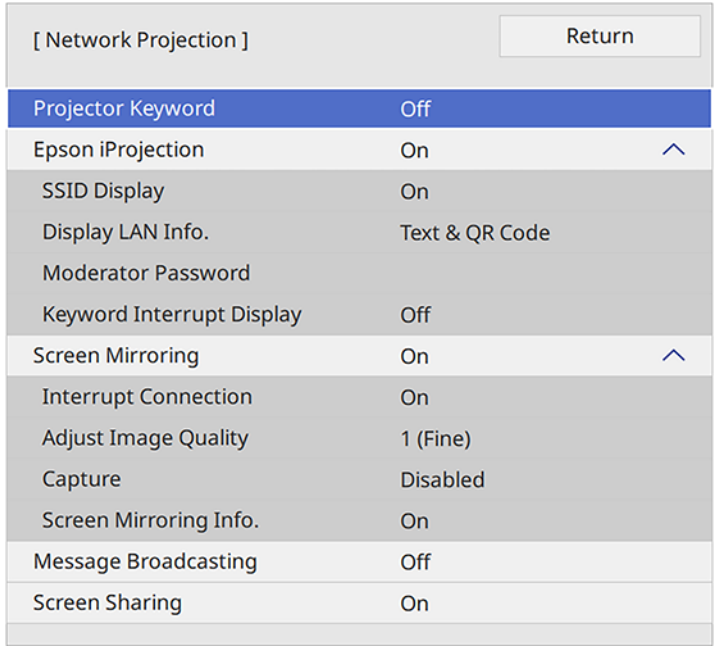
13. Select **IP Settings** and press **Enter**.
14. Select your IP settings as necessary:
    - If your network assigns addresses automatically, turn on the **DHCP** setting.
    - If you must set addresses manually, turn off **DHCP** and enter the projector's **IP Address**, **Subnet Mask**, and **Gateway Address** as needed.

    Note: Do not use these addresses: 0.0.0.0, 127.x.x.x, 192.0.2.x or 224.0.0.0 through 255.255.255.255 (where x is a number from 0 to 255) for **IP Address**, 255.255.255.255 or 0.0.0.0 through 254.255.255.255 for **Subnet Mask**, and 0.0.0.0, 127.x.x.x or 224.0.0.0 through 255.255.255.255 for **Gateway Address**. For DNS Server addresses, do not use the following IP

addresses: 127.x.x.x (where x is a number from 0 to 255). When these settings are not set, DNS server information is acquired using DHCP.

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**.

15. To prevent display of the IP address on the network information screen, turn off **IP Address Display**.
16. Select **Return** and press **Enter** to return to the Network Settings menu.
17. Select the **Network Projection** menu and press **Enter**.



18. Turn on the **Projector Keyword** setting if you want to prevent access to the projector by anyone not in the room with it.

Note: The projector displays a random keyword that you must enter from a computer using the Epson iProjection (Windows/Mac) software to access the projector.

19. Set the **Epson iProjection** setting to **On**.
20. Select the following options as necessary:
    - **SSID Display** lets you select whether to display the projector's SSID on the standby screen and Home screen.
    - **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 with the Epson iProjection app.
    - **Moderator Password** lets you enter a password up to 4 numbers long for accessing the projector as a moderator with the Epson iProjection (Windows/Mac) software or the Epson iProjection app.
    - **Keyword Interrupt Display** lets you select whether to display a projector keyword on the projected image when accessing the projector using Epson iProjection.

    Note: Use the displayed keyboard to enter the password and keyword. Press the arrow buttons on the remote control to highlight characters and press ↵ **Enter** to select them.
21. When you finish selecting settings, select **Return** to return to the **Network Settings** menu.
22. Select **Set** 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.

Note: You can press the **LAN** button on the remote control to check your network security settings after completing the wireless settings.

Wireless LAN Menu Settings

Parent topic: Wireless Network Projection

Wireless LAN Menu Settings

Setting	Options	Description
Search Access Point	**To Search View**	Search for available wireless network access points in **Advanced** connection mode
SSID	Up 32 alphanumeric characters	Manually set the SSID (network name) of the wireless LAN system the projector is connecting to

Setting	Options	Description
Security	**WPA2/WPA3-PSK** **WPA2/WPA3-EAP** **WPA3-PSK** **WPA3-EAP** **Open**	Selects the type of security used on the wireless network **WPA2/WPA3-PSK**: uses WPA2/WPA3 personal mode; encryption is dependent on the access point settings; **Passphrase** must be the same as the access point **WPA2/WPA3-EAP**: uses WPA2/WPA3 enterprise mode; encryption is dependent on the access point settings **WPA3-PSK**: uses WPA3 security with AES for encryption. Use the **Passphrase** value to establish a connection from a computer **WPA3-EAP**: uses WPA3 enterprise mode; encryption is dependent on the access point settings
Passphrase	Various passphrases from 8 to 63 characters	Selects the pre-shared key used on the network; passphrases are case-sensitive. If the network settings are reset after the passphrase has been changed more than once, the first passphrase is restored. This setting is only displayed when **Security** is set to **WPA3-PSK** or **WPA2/WPA3-PSK**.

Setting	Options	Description
EAP Method	**EAP Type** **User name** **Password** **Client Certificate** **Verify Server Certificate** **CA certificate** **RADIUS Server Name**	Sets the EAP settings for WPA3-EAP and WPA2/WPA3-EAP security
IP Settings	**DHCP** (**On** or **Off**) **IP Address** **Subnet Mask** **Gateway Address**	Selects DHCP if your network assigns IP addresses automatically, or turns off DHCP so you can enter the network's IP address, subnet mask, and gateway address as needed
DNS Server 1/ **DNS Server 2**	Various IP addresses	Sets the IP address for the DNS server using 0 to 255 for each address field. The DNS server resolves the host name
IPv6	**On** **Off**	Enables IPv6 to allow monitoring and control of the projector over a network using Epson Web Control and PJLink
Auto Configuration	**On** **Off**	Selects whether to automatically assign addresses according to the Router Advertisement
Use Temporary Address	**On** **Off**	Enables use of a temporary IPv6 address
IP Address Display	**On** **Off**	Selects whether to display the IP address on the network standby screen and Home 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

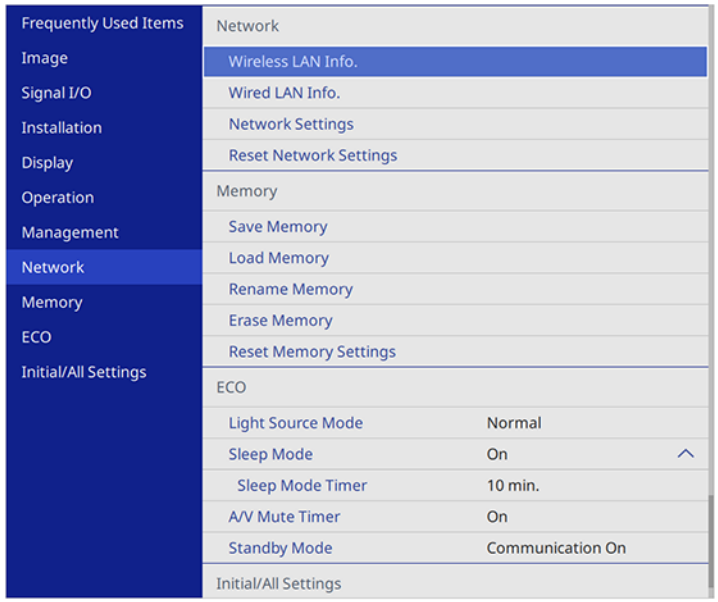
Setting Up Wireless Network Security

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

- WPA2-PSK (Simple AP mode only)
- WPA3-PSK
- WPA2/WPA3-PSK
- WPA3-EAP
- WPA2/WPA3-EAP

Note: To set up WPA3-EAP or WAP2/WAP3-EAP security, register your digital certificate file and place it on a USB storage device for connection to your projector.

1. Press the **Menu** button.
2. Select the **Network** menu and press **Enter**.



3. Select **Network Settings** and press **Enter**.
4. Do one of the following:
   - To connect directly to a wireless device (Simple AP mode), select **Passphrase**, press **Enter**, and enter a passphrase from 8 to 63 characters long. When you are done, return to the **Network Settings** screen, select **Set**, and follow the on-screen instructions to save your settings and exit the menus. Skip the rest of these steps.
   - To connect to a device via a wireless network router (infrastructure mode), select the **Wireless LAN** menu and press **Enter**. Continue with the next step.
5. Select the **Security** setting and press **Enter**.
6. Select the security settings for your network.
7. Do one of the following according to the security you selected:
   - **WPA3-PSK** or **WPA2/WPA3-PSK**: Select **Passphrase**, press **Enter**, and enter a passphrase from 8 to 63 characters long. Then continue with step 9.

- **WPA3-EAP** or **WPA2/WPA3-EAP**: Select **EAP Type** and press **Enter**.

8. Select the protocol for authentication as the **EAP Type** setting.
9. When you are finished, select **Return** and press **Enter** to return to the **Network Settings** menu.
10. Select **Set**, and follow the on-screen instructions to save your settings and exit the menus.

Parent topic: Wireless Network Projection

Related tasks

Registering Digital Certificates from a Web Browser

Installing the Additional Wireless LAN Module

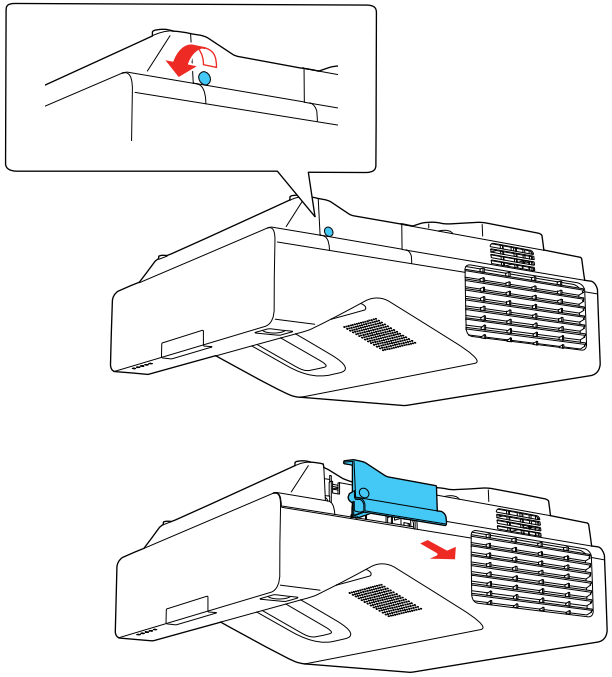
To use the additional wireless connections, install the optional Epson 802.11b/g/n wireless module in the projector.Your projector has a built-in wireless LAN module. If you install an optional Epson 802.11b/g/n wireless LAN module, you can use both network connection methods at the same time. When you install the wireless LAN module, set the **Simple AP** setting to **On**. 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.

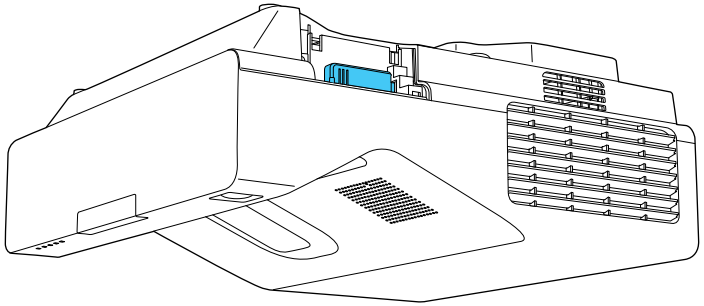
Note: The wireless LAN module is not included with your projector.

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

2. Loosen the screw securing the LAN module cover and lift off the cover, if it is attached.



3. Insert the wireless LAN module into the port shown here.



4. Replace the cable cover and tighten the cable cover screws.

5. Plug in and turn on the projector.

Parent topic: Wireless Network Projection

Wireless Network Projection from a Mobile Device or Windows Computer (Screen Mirroring)

You can send images to your projector from mobile devices such as laptops, smartphones, and tablets using Miracast technology or from a Windows computer. If your device supports Miracast, you do not need to install any additional software.

The projector detects the input sources as Screen Mirroring1 and Screen Mirroring2.

Screen Mirroring Restrictions

Selecting Screen Mirroring Settings

Connecting for Screen Mirroring with a Windows 8.x/Windows 10 Computer

Connecting for Screen Mirroring with Miracast

Parent topic: Using the Projector on a Network

Screen Mirroring Restrictions

Note the following when using Screen Mirroring features:

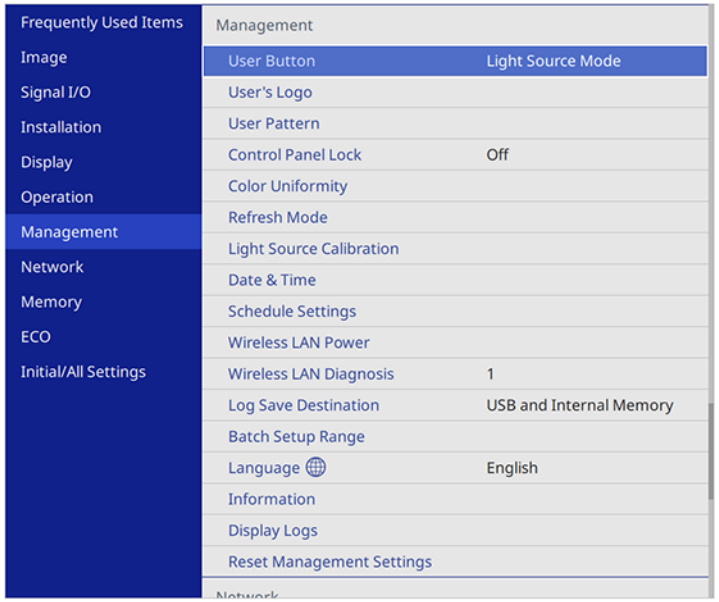
- You cannot project an interlaced image.
- You cannot play audio with more than 3 channels.
- You may not be able to project images depending on the resolution and frame rate.
- You cannot project 3D video.
- You can only play audio saved using the LPCM or AAC-LC audio codec.
- You can only play movies saved using the H.264 or H.265 movie codec (H.265 only supports the Main Profile)
- You cannot use extended Miracast features on Windows 8.1.
- You may not be able to view contents with copyright protection using a Miracast connection.
- Do not change the projector's Screen Mirroring settings during Screen Mirroring projection. Doing so may cause the projector to disconnect and delay reconnection.
- Do not turn off the electrical supply to the projector during Screen Mirroring projection.

Parent topic: Wireless Network Projection from a Mobile Device or Windows Computer (Screen Mirroring)

Selecting Screen Mirroring Settings

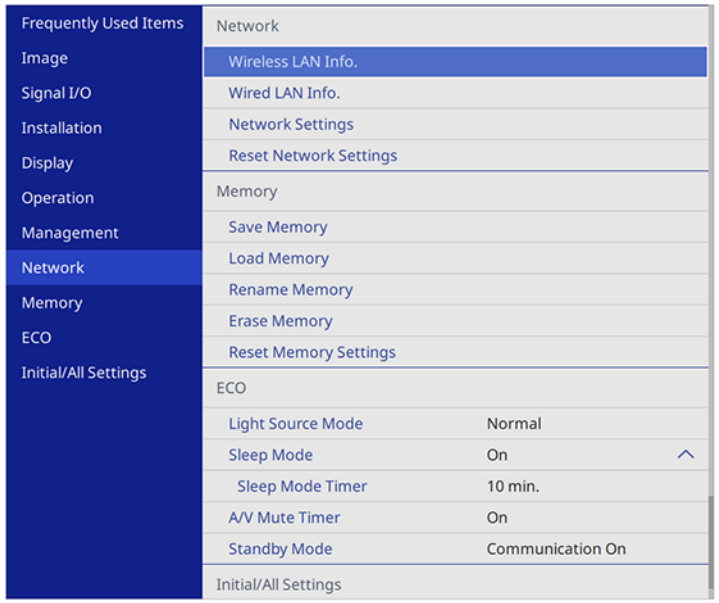
You can select Screen Mirroring settings for your projector and then project images from your mobile device.

1. Press the **Menu** button.
2. Select the **Management** menu and press **Enter**.



3. Set the **Wireless LAN Power** setting to **On**.

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



5. Select **Network Settings** and press **Enter**.
6. Select **Priority Control Interface** and press **Enter**.
7. Choose one of the following options:
   - If you are casting images over a wired LAN, select **Wired LAN**.
   - If you are casting images wirelessly directly or via a wireless network router, select **Wireless LAN**.
8. Set the **Simple AP** setting to **On**.
9. Select **Network Projection** and press **Enter**.
10. Set the **Screen Mirroring** setting to **On**.
11. Select these settings as necessary:
    - **Interrupt Connection** lets you switch the screen to another device while projecting using Screen Mirroring. If you want to connect two Screen Mirroring sources at once, select **Off**.
    - **Adjust Image Quality** lets you adjust the screen mirroring speed and quality. Select a small number to improve the quality or a large number to increase the speed.

- **Screen Mirroring Info** displays connection information when projecting from a Screen Mirroring source.

12. When you finish selecting settings, select **Return** and press **Enter** to return to the **Network Settings** screen.
13. Select **Set**, and follow the on-screen instructions to save your settings and exit the menus.

Parent topic: Wireless Network Projection from a Mobile Device or Windows Computer (Screen Mirroring)

Connecting for Screen Mirroring with a Windows 8.x/Windows 10 Computer

You can set up your computer to wirelessly project images and play sound using Screen Mirroring.

Note: If you are using Windows 10, you can cast images over a local area network or from your device to the projector directly. When you cast images over a local area network, the connection is more stable and secure. Connect the projector to the network with an Ethernet cable or install the optional wireless LAN module and set the wireless LAN settings to connect to a wireless network.

1. Select the Screen Mirroring settings on your projector as necessary.
2. Press the **LAN** button on the remote control to switch to the Screen Mirroring source.

   You see the Screen Mirroring standby screen.
3. Do one of the following:
   - **Windows 10**: Open **Action Center** and select **Connect**.
   - **Windows 8.x**: Select **Devices** > **Project** > **Add a wireless display**.
4. Select your projector's Display Name from the list.
5. If you see the PIN entry screen on your computer, enter the PIN code displayed on the Screen Mirroring standby screen or at the bottom right of the projected image.

   The projector displays the image from your computer or mobile device.

   Note: It may take some time to establish the connection. Do not disconnect the projector's power cord while it is connecting to your device. This may cause your device to freeze or malfunction.

Parent topic: Wireless Network Projection from a Mobile Device or Windows Computer (Screen Mirroring)

Related references

Optional Equipment and Replacement Parts (U.S. and Canada)

Optional Equipment and Replacement Parts (Latin America)

Network Settings - Network Menu

Related tasks

Selecting Screen Mirroring Settings

Connecting for Screen Mirroring with Miracast

If your mobile device supports Miracast, you can connect it to the projector wirelessly and project images and sound.

1. Select the Screen Mirroring settings on your projector as necessary.
2. Press the **LAN** button on the remote control to switch to the Screen Mirroring source.

   You see the Screen Mirroring standby screen.
3. On your mobile device, use the Miracast function to search for the projector.

   Note: See your mobile device's documentation for information on accessing the Miracast function.

   You see a list of available devices.
4. Select your projector from the list.
5. If you see the PIN entry screen on your mobile device, enter the PIN code displayed on the Screen Mirroring standby screen or at the bottom right of the projected image.

   The projector displays the image from your mobile device.

   Caution: It may take some time to establish the connection. Do not disconnect the projector's power cord while it is connecting to your device. Doing so may cause your device to freeze or malfunction.

   Note: Depending on the mobile device, you may need to delete a device when connecting. Follow the on-screen instructions on your device.

Parent topic: Wireless Network Projection from a Mobile Device or Windows Computer (Screen Mirroring)

Related references

Network Settings - Network Menu

Related tasks

Selecting Screen Mirroring Settings

Screen Sharing

You can display the projected screen of other compatible Epson projectors connected to the same network with the screen sharing function.

The screen sharing function is limited by the following:

- You cannot share your projected screen with other projectors. You can only display the projected screen from projectors with the sharing capability.
- If your projector's firmware version is older than the version installed on other projectors on the network, you may not be able to display the shared screen and may need to update your projector's firmware.
- You cannot change the projector's **Network** settings while displaying a shared screen.

Projecting Screen Sharing Images

Parent topic: Using the Projector on a Network

Related concepts

Updating the Firmware

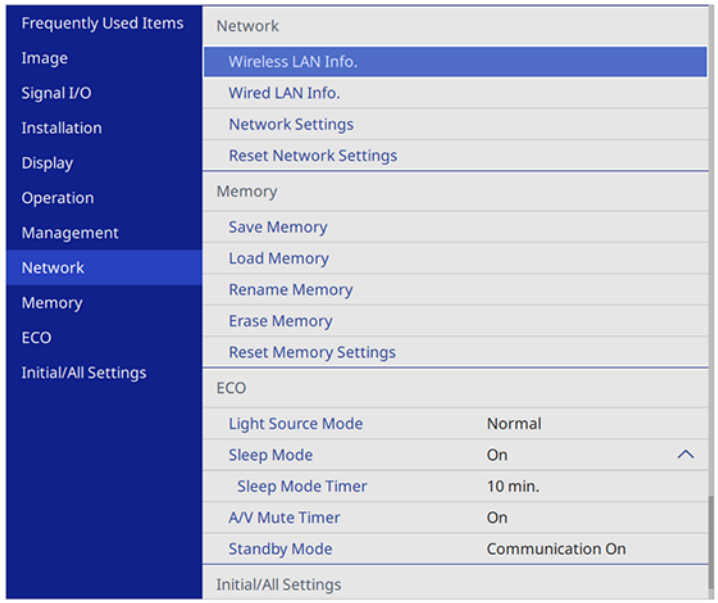
Projecting Screen Sharing Images

You can display shared images from BrightLink 1480Fi/1480Fi+/1485Fi/1485Fi+ projectors connected to the same network.

Note: Make sure your projector is not connected to any devices via Epson iProjection before you use the screen sharing function.

1. Turn on the projector.
2. Connect your projector to the same network as the host projector that is sharing its screen.
3. Press the **Menu** button on the projector or the remote control.

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



5. Select **Network Settings** and press **Enter**.
6. Select **Network Projection** and press **Enter**.
7. Set the **Screen Sharing** setting to **On**.
8. When you finish selecting settings, select **Return** and press **Enter** to return the **Network Settings** menu.
9. Select **Set**, and follow the on-screen instructions to save your settings and exit the menus.

When a projector on the same network shares its screen, the shared screen is automatically displayed on your projector. If it isn't, press the **LAN** button on the remote control to switch to the screen sharing source. To exit screen sharing, press the **Esc** button on the remote control.

Parent topic: Screen Sharing

Related references

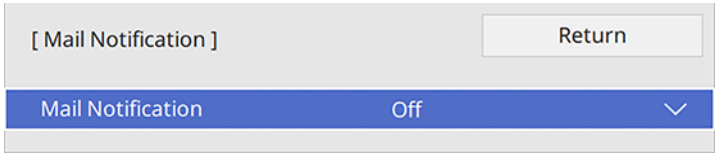
Network Settings - Network Menu

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.

Note: If the **Standby Mode** setting is set to **Communication On** in the **Operation** menu, you can receive e-mail alerts even if the projector is in standby mode (the power is off). The **Standby Mode** setting is displayed only if the **A/V Output** setting in the Signal I/O menu is set to **While Projecting**.

1. Press the **Menu** button.
2. Select the **Network** menu and press **Enter**.
3. Select **Network Settings** and press **Enter**.
4. Select the **Mail Notification** menu and press **Enter**.



5. Turn on **Mail Notification**.
6. Enter the IP address for the **SMTP Server** setting.

   Note: Do not use 127.x.x.x (where x is a number from 0 to 255).

7. Select a type of **Authentication** for the SMTP server.
8. Select a number for the SMTP server **Port Number** setting, from 0 to 65535 (default is 25).
9. Enter a **User Name** for the SMTP server.
10. Enter a **Password** for the SMTP server authentication.
11. Enter the sender's email address as the **From** setting.
12. 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 64 alphanumeric characters long.

13. If you are using the PJLink protocol for projector control, turn on the **PJLink** setting in the Projector Control menu and enter the IP address where you want to receive PJLink notifications as the **Notified IP Address** setting.
14. When you finish selecting settings, select **Return** and press **Enter** to return to the **Network Settings** menu.
15. Select **Set**, 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 **Network** > **Network Settings** > **Projector Control** > **SNMP** > **On**.

3. 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: 224.0.0.0 through 255.255.255.255. This projector supports SNMP agent version 1 (SNMPv1).

4. Enter the SNMP **Community Name** (up to 32 alphanumeric characters).
5. When you finish selecting settings, select **Return** and press **Enter** to return to the **Network Settings** menu.
6. Select **Set**, and follow the on-screen instructions to save your settings and exit the menus.

Parent topic: Using the Projector on a Network

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 11.0 or later, Microsoft Edge, Google Chrome, 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.

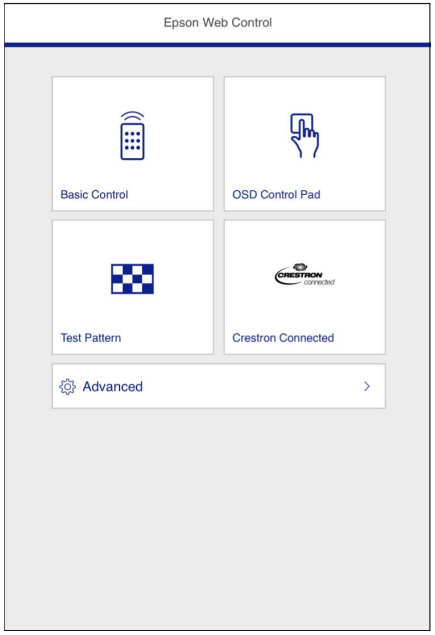
Note: If you set **Standby Mode** to **Communication On** in the Operation menu, you can use a web browser to select settings and control projection even if the projector is in standby mode (the power is off). The **Standby Mode** setting is displayed only if the **A/V Output** setting in the Signal I/O menu is set to **While Projecting**.

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 (if you are entering an IPv6 address, wrap the address with [and]).

   Note: You can find the projector's IP address in the projector's Network menu or on the LAN input screen.

   Note: If you attempt to connect to the Web Control screen via a proxy server, the screen will not be displayed. Make a direct connection to the Web Control screen.

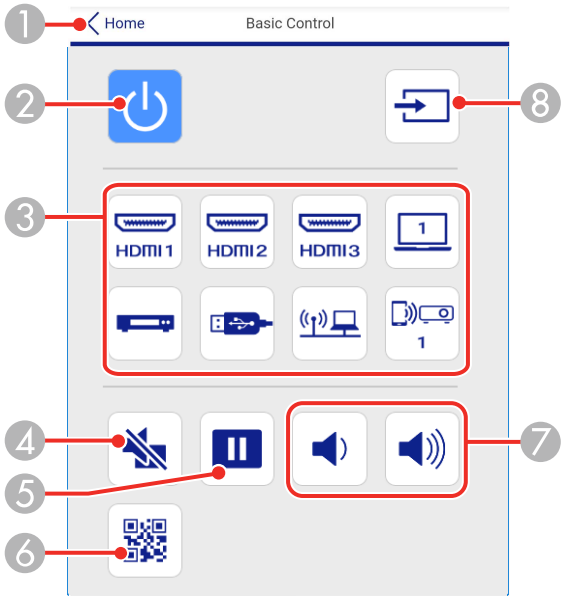
You see the Web Control screen.



4. To control projection remotely, select the **Basic Control** option from the Web Control screen.

   Note: If you see a log in window, enter your user name and password. (The default user name is **EPSONREMOTE** and the default password is **guest**.)

You see a screen like this:



1 Returns to the Epson Web Control screen
2 Power button control
3 Selects the input source
4 **A/V Mute** button control
5 **Freeze** button control
6 Displays a QR code for connecting with iOS or Android devices using the Epson iProjection app
7 **Volume** button controls
8 Searches for connected sources

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

6. To select projector menu settings, select **Advanced** on the Web Control screen.

   Note: 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**.)

7. Select the name of the menu and follow the on-screen instructions.

Parent topic: Using the Projector on a Network

Using Crestron Connected

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

Note: You cannot use the Message Broadcasting feature in the Epson Projector Management software when you use Crestron Connected.

For additional information on Crestron Connected, contact Crestron.

Setting Up Crestron Connected
Controlling a Networked Projector Using Crestron Connected

Parent topic: Using the Projector on a Network

Setting Up Crestron Connected

To set up your projector for monitoring and control using a Crestron Connected system, make sure your computer and projector are connected to the network.

Note: If you want to use the Crestron Connected system when the projector is turned off, you need to adjust the **Standby Mode** setting in the Operation menu. The **Standby Mode** setting is displayed only if the **A/V Output** setting in the Signal I/O menu is set to **While Projecting**.

1. Press the **Menu** button.
2. Select the **Network** menu and press **Enter**.
3. Select **Network Settings** and press **Enter**.
4. Select the **Projector Control** menu and press **Enter**.
5. Set the **Crestron Connected** setting to **On** to allow the projector to be detected.

Note: Enabling Crestron Connected disables the Message Broadcasting feature in the Epson Projector Management software.

6. When you are finished selecting settings, select **Return** and press **Enter** to return to the **Network Settings** menu.
7. Select **Set**, and follow the on-screen instructions to save your settings and exit the menus.
8. Turn off the projector, then turn it on again to enable the setting.

Parent topic: Using Crestron Connected

Related references

Input Signal Settings - Signal I/O Menu

Network Settings - Network Menu

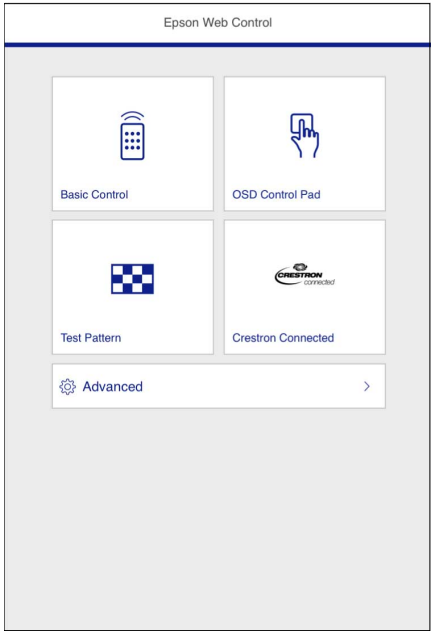
Feature Settings - Operation Menu

Controlling a Networked Projector Using Crestron Connected

Once you have set up your projector to use Crestron Connected, 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 the Epson Web Control screen:



Note: You may need to log in to access some of the options on the Web Control screen. If you see a log in window, enter your user name and password.

3. Select **Crestron Connected**.

Parent topic: Using Crestron Connected

Registering a Digital Certificate on the Projector

Follow the instructions here if you need to install a digital certificate on the projector to provide security for your presentation files.

Note: You can register a digital certificate over a network. However, be sure to register just once or the certificate may not install correctly.

Importing a Web Server Certificate Using the Projector Menus
Registering Digital Certificates from a Web Browser

Digital Certificate Types

Parent topic: Using the Projector on a Network

Importing a Web Server Certificate Using the Projector Menus

You can create your web server certificate and import it using the projector menus and a USB flash drive.

Note: You can also register digital certificates from your web browser. Make sure to only register once, or the certificate may not install correctly.

1. Make sure your digital certificate file is compatible with projector registration and saved in the root directory of the USB flash drive.
2. Press the **Menu** button on the projector or remote control.
3. Select **Network** > **Network Settings** > **Projector Control** > **Secure HTTP** > **On**.
4. Select the **Web Server Certificate** setting and press **Enter**.
5. Select **Save** and press **Enter**.
6. Follow the on-screen instructions to connect a USB flash drive to the **USB-A** port on the projector.
7. Press **Enter** to display the certificate list.
8. Select the certificate you want to import from the displayed list.

   A message is displayed prompting you to enter the password for the certificate.
9. Enter the password and press **Enter**.

The certificate is imported and a completion message appears.

Parent topic: Registering a Digital Certificate on the Projector

Registering Digital Certificates from a Web Browser

You can register the digital certificates on the projector for wireless LAN authentication.

Note: You can also register the digital certificates in the projector's Network menu. However, be sure to register just once or the certificate may not install correctly.

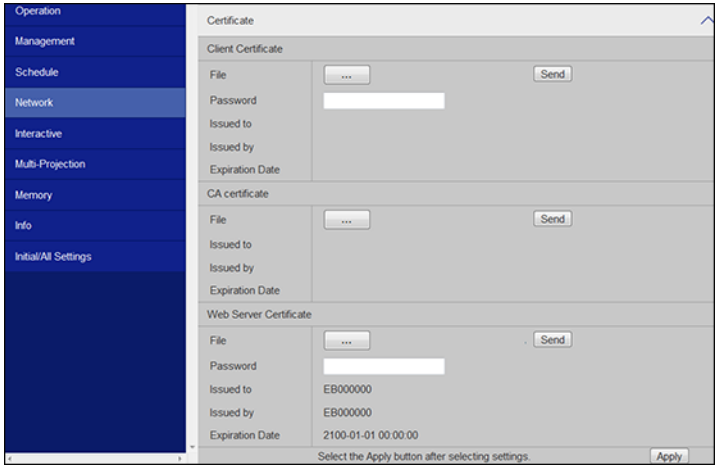
1. Make sure your digital certificate file is compatible with projector registration.
2. Make sure the projector is turned on.

3. Start your web browser on a computer or mobile device connected to the network.
4. Type the projector's IP address into the browser's address box and press the computer's **Enter** key.

   You see the Web Control screen and a prompt to enter a user ID and password.
5. Select **Advanced** and enter the following information in uppercase or lowercase letters, exactly as shown:
   - For the user ID, enter **EPSONWEB**. (You cannot change the user ID.)
   - For the password, enter the default password **admin**. (You can change the Web Control password using the projector's Network Settings menu.)
6. Under **Network**, select **Certificate**.

   Note: You may need to select the ☰ menu icon to find **Network**, depending on your device.

   You see a screen like this:



7. Click the **Choose File** button, select the certificate file, and click **Open**.

   Note: The button name may vary depending on the browser you are using.
8. Enter a password in the **Password** box and click **Send**.

9. When you finish registering the certificate, click **Apply** to finalize your changes and complete the registration.

Parent topic: Registering a Digital Certificate on the Projector

Digital Certificate Types

You can register these types of digital certificates.

Client Certificate (PEAP-TLS/EAP-TLS)

Specification	Description
Format	PKCS#12
Extension	PFX, P12
Encryption	RSA
Hashes	MD5/SHA-1/SHA-256/SHA-384/SHA-512
Key length	512/1024/2048/4096 bit
Password	Up to 64 alphanumeric characters; required

CA Certificate (PEAP/PEAP-TLS/EAP-TLS/EAP-FAST)

Specification	Description
Format	X509v3
Extension	DER/CER/PEM
Encryption	RSA
Hashes	MD5/SHA-1/SHA-256/SHA-384/SHA-512
Key length	512/1024/2048/4096 bit
Encoding	BASE64/Binary

Web Server Certificate (Secure HTTP)

Specification	Description
Format	PKCS#12
Extension	PFX, P12

Specification	Description
Encryption	RSA
Hashes	MD5/SHA-1/SHA-256/SHA-384/SHA-512
Key length	512/1024/2048/4096 bit
Common name	Network host name
Organization	Optional
Password	Up to 64 alphanumeric characters; required

Parent topic: Registering a Digital Certificate on the Projector

Using Basic Projector Features

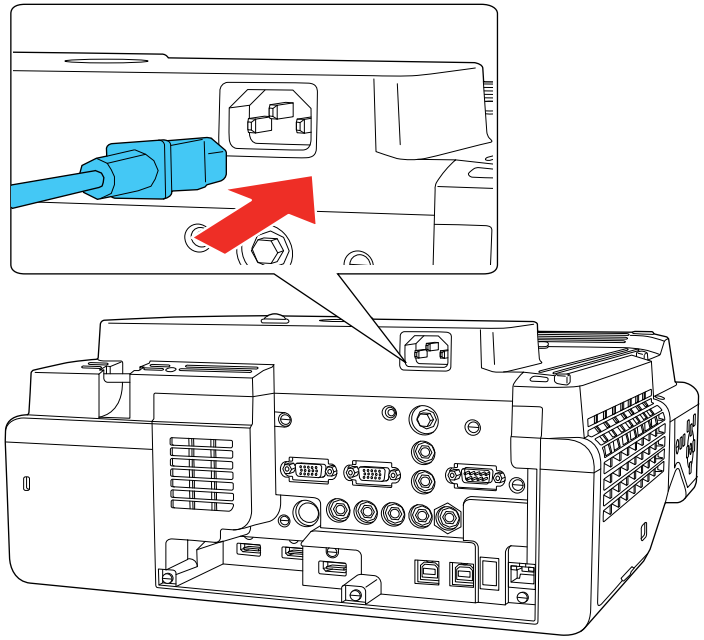
Follow the instructions in these sections to use your projector's basic features.

Turning On the Projector
Turning Off the Projector
Selecting the Language for the Projector Menus
Setting the Date and Time
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
Adjusting the Hue, Saturation, and Brightness
Adjusting Gamma
Adjusting the Image Resolution
Adjusting the Projector's Brightness Level
Turning On Dynamic Contrast
Controlling the Volume with the Volume Buttons
Selecting a Quick Startup Setting
Projecting a PC Free Presentation

Turning On the Projector

Turn on the projector before you turn on the computer or video equipment you want to use.

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



2. Plug the power cord into an electrical outlet.

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

   Note: With **Direct Power On** turned on, the projector turns on as soon as you plug it in. If you enable the **Auto Power On** setting in the projector's Operation menu, the projector turns on when it detects a signal or cable connection from the selected port.

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

   The projector beeps and the Status light flashes blue as the projector warms up. After about 30 seconds, the Status light stops flashing and turns blue.

   Note: When **Quick Startup** is enabled in the projector's Operation menu, the projector becomes ready for use in several seconds the next time you press the power button.

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

Caution: Make sure no objects are blocking the light from the projector lens. Objects blocking the lens for an extended time can melt and light that is reflected back into the lens can cause the projector to malfunction.

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.

  Note: If the **Auto Source Search** setting in the Operation menu is enabled, the projector automatically detects the input signal when you turn it on.

- Change the screen output from the computer when using a laptop.
- Press the button for the video source on the remote control.
- If the Home screen is displayed, select the source you want to project.

Using the Home Screen

Parent topic: Using Basic Projector Features

Related references

Feature Settings - Operation Menu

Using the Home Screen

You can select input sources and other frequently used options from the Home screen.

1. To display the Home screen, do one of the following:
   - Press the **Home** button on the control panel or remote control.
   - Turn on the projector with the **Home Screen Auto Disp** setting enabled.
   - Turn on the projector when no signal is received from the selected input source.

2. Press the arrow buttons on the remote control or control panel to navigate the screen, and press ↵ **Enter** to select an option.



1 Selects the source you want to project

A checkmark appears in the upper right corner of the current input source. For most sources, a preview of the input image appears as a thumbnail.

2 Projects images from two or four input sources simultaneously in a grid format

3 Receives shared images from other host projectors connected to the same network

4 Displays the Connection Guide

You can view steps for different wireless connection methods depending on the devices you are using, such as smartphones or computers.

5 Lets you select the following common projector settings (these settings may vary depending on other selected settings):

- **Color Mode**
- **Brightness Level**
- **Volume**
- **Geometry Correction** (**H/V-Keystone** and **Quick Corner** are available)
- **Aspect**

6 Moves to the previous or next page if there are more available input sources

7 Displays the projector name and the projector keyword

8 Displays the current time

Note: The Home screen closes after 10 minutes of inactivity.

Parent topic: Turning On the Projector

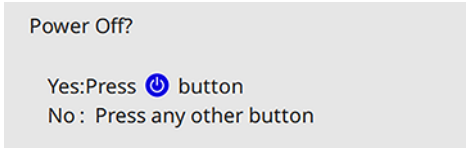
Turning Off the Projector

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. Laser life will vary depending upon mode selected, environmental conditions, and usage. Brightness decreases over time.

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

   The projector displays a shutdown confirmation screen.



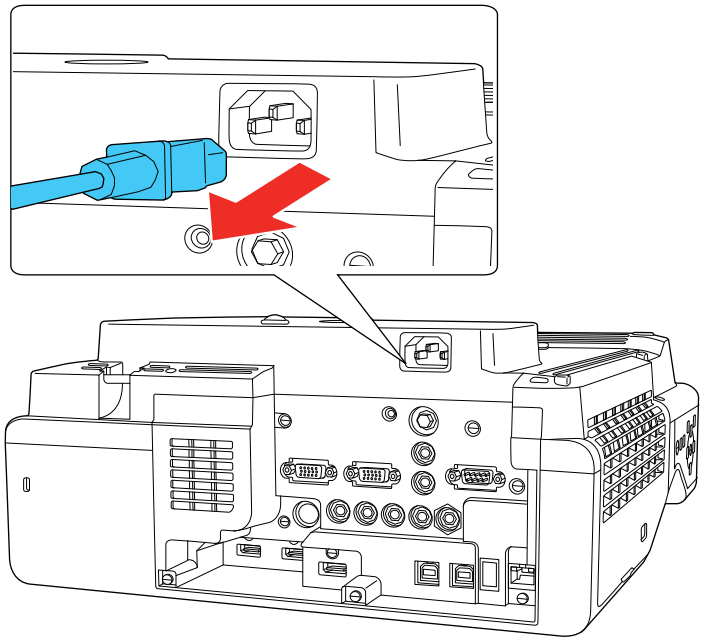
2. Press the power button again. (To leave it on, press any other button.)

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

   Note: If the **Light Source Calibration** setting is set to **Run Periodically** in the projector's Management menu, light source calibration starts automatically if you turn off the projector and the following conditions are present:

   - 100 hours have passed since the last light source calibration.
   - You have used the projector continuously for at least 20 minutes.

3. To transport or store the projector, make sure the On/Standby light is blue (not flashing) and the Status light is off, then unplug the power cord.



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

Parent topic: Using Basic Projector Features

Related references

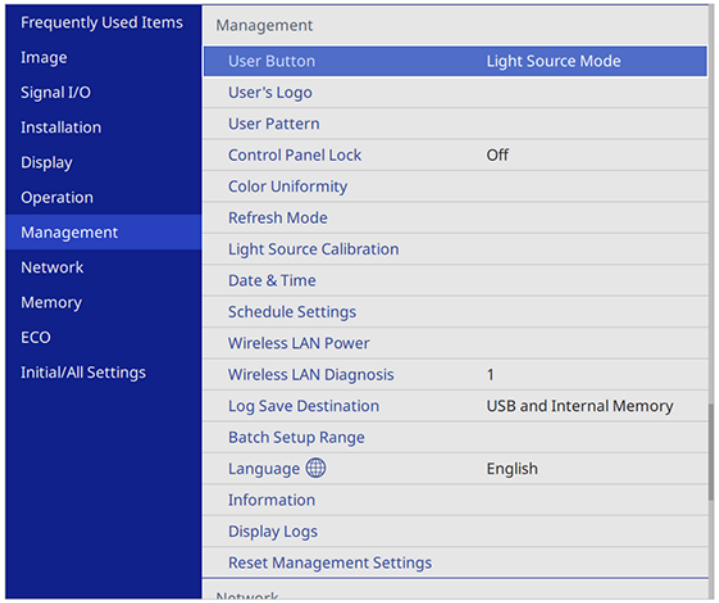
Administration Settings - Management Menu

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 **Management** menu and press **Enter**.



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.

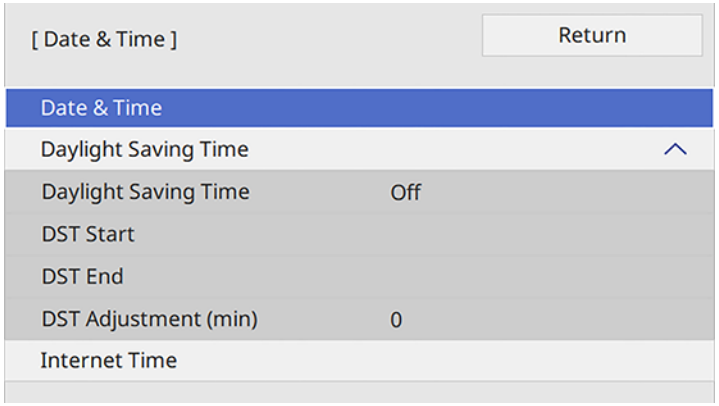
Parent topic: Using Basic Projector Features

Setting the Date and Time

You can set the date and time for the projector.

1. Press the **Menu** button.
2. Select the **Management** menu and press **Enter**.
3. Select the **Date & Time** setting and press **Enter**.

You see a screen like this:



4. Select the **Date & Time** setting and press **Enter**.
5. Select **Date**, press **Enter**, and use the displayed keyboard to enter today's date.
6. Select **Time**, press **Enter**, and use the displayed keyboard to enter the current time.
7. Adjust the **Time Difference (UTC)** settings to set the time difference from the Coordinated Universal Time.
8. When you are finished, select **Set** and press **Enter**.
9. To activate daylight saving time, select the **Daylight Saving Time** setting and set it to **On**. Then select settings.
10. When you are finished, select **Set** and press **Enter**.
11. To update the time automatically through an internet time server, select the **Internet Time** setting and set it to **On**.
12. Select **Internet Time** and press **Enter**.
13. Enter the IP address for the Internet time server you want to use and select **OK**.
14. Select **Set** and press **Enter**.
15. Press **Menu** or **Esc** to exit the menus.

Parent topic: Using Basic Projector Features

Related references

Administration Settings - Management Menu

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. After correction, your image is slightly smaller.

For the best quality images, try to adjust the projector's position to achieve the correct image size and shape. After you have corrected the position of the projector, you can use the adjustments in this section to correct the image shape. You cannot correct an image shape using multiple correction methods at the same time.

Correcting Image Shape with the Keystone Buttons
Correcting Image Shape with Quick Corner
Correcting Image Shape with Arc Correction
Correcting Image Shape with Point Correction
Applying Saved Image Shape Settings

Parent topic: Using Basic Projector Features

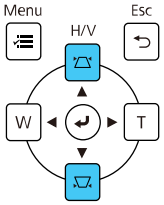
Correcting Image Shape with the Keystone Buttons

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

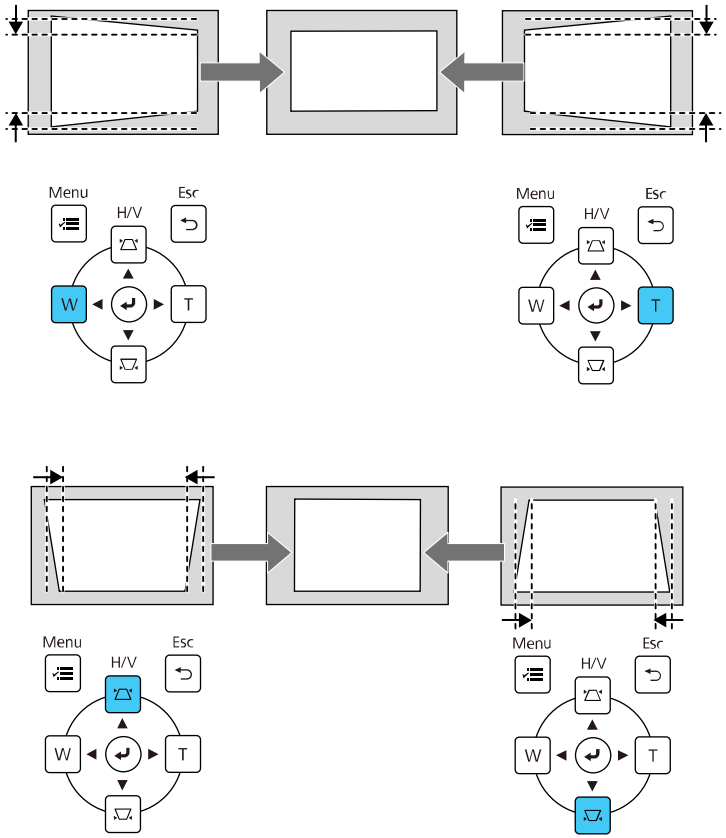
Note: You can use the keystone buttons to correct the image up to ± 3° horizontally or vertically. If the projector is mounted on the wall, use the adjustment dials on the wall mount to correct the screen image before using any other digital correction methods.

Note: If you change the **Screen Type** setting or adjust the image position, your image adjustments are reset.

1. Turn on the projector and display an image.
2. Press one of these keystone buttons on the control panel to display the Keystone adjustment screen.



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



Note: The horizontal keystone adjustment buttons are labeled **W** and **T**.

After correction, your image is slightly smaller.

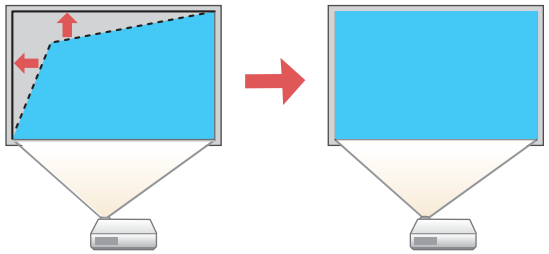
Note: To save the current image shape, select **Save Memory**. You can save up to three image shapes in the projector's memory.

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

Correcting Image Shape with Quick Corner

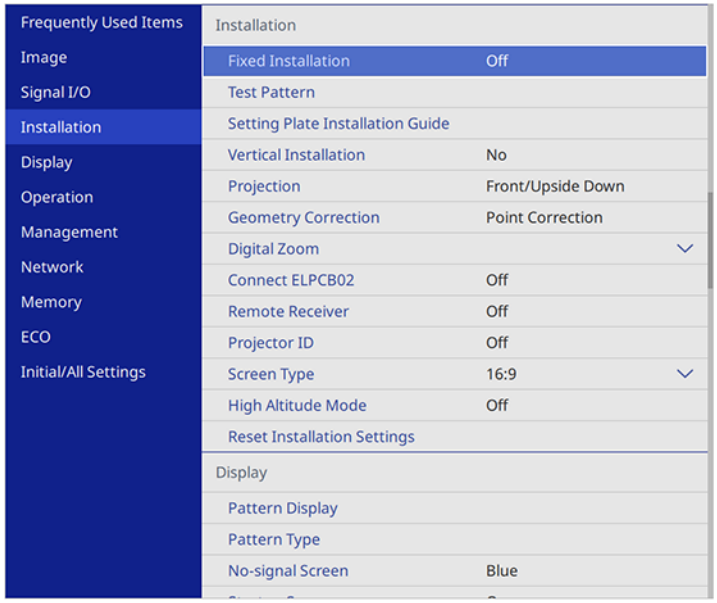
You can use the projector's Quick Corner setting to correct the shape and size of an image that is unevenly rectangular on all sides.



Note: If you change the **Screen Type** setting or adjust the image position, your image adjustments are reset.

1. Turn on the projector and display an image.
2. Press the **Menu** button.

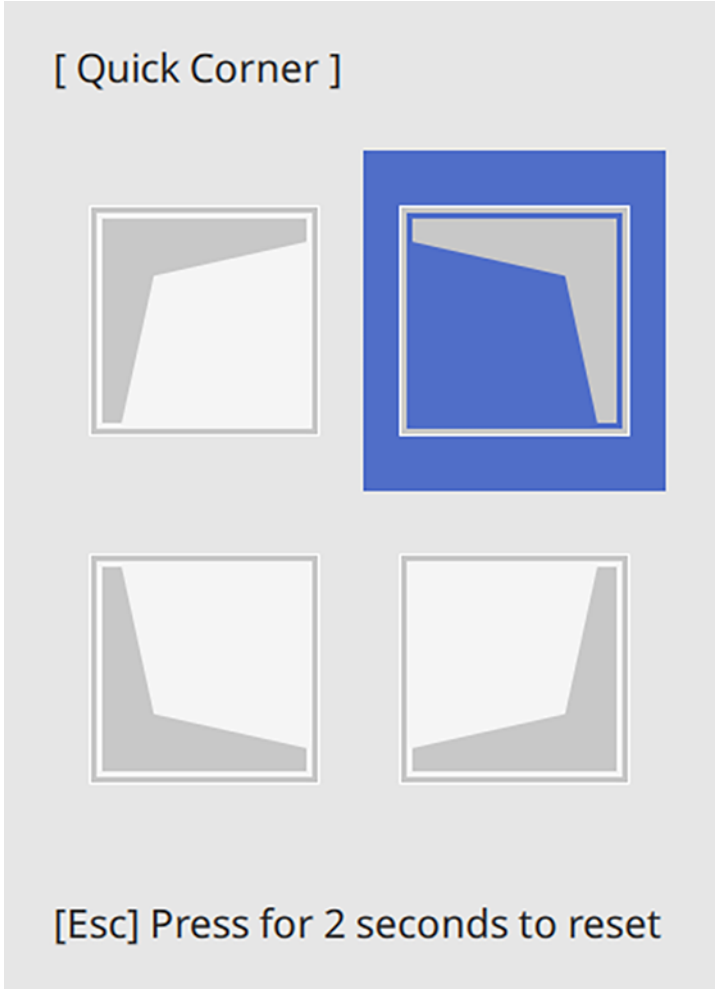
3. Select the **Installation** menu and press **Enter**.



4. Select the **Geometry Correction** setting and press **Enter**.
5. Select the **Quick Corner** setting and press **Enter**.

Note: You may see a confirmation screen. Select **Yes** and press **Enter** again.

You see the Quick Corner adjustment screen:



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

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

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

   Note: You can also use the numeric buttons on the remote control to adjust the image shape. If one of the directional arrows on the screen turns gray, you cannot adjust the shape any further in that direction.

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

The **Geometry Correction** setting is now set to **Quick Corner** in the projector's Installation menu. If you press the keystone adjustment buttons on the control panel, the area selection screen appears.

Note: To save the current image shape, select **Memory** > **Save Memory**. You can save up to three image shapes in the projector's memory.

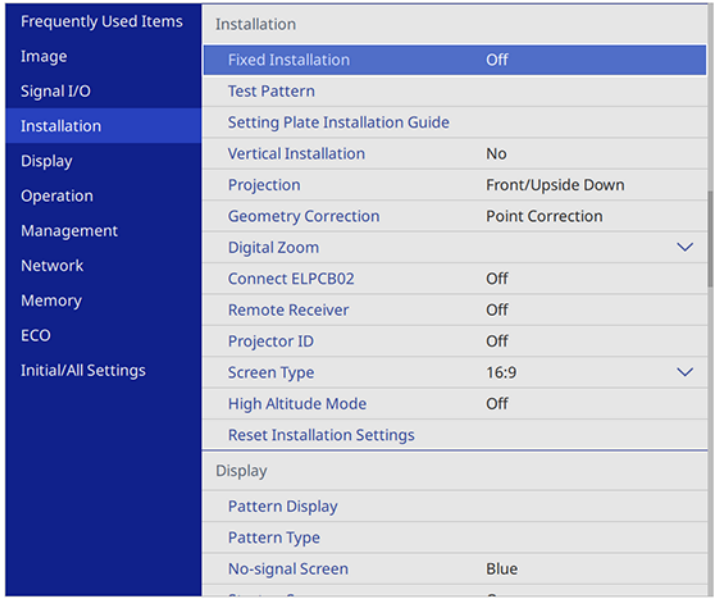
Parent topic: Image Shape

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.

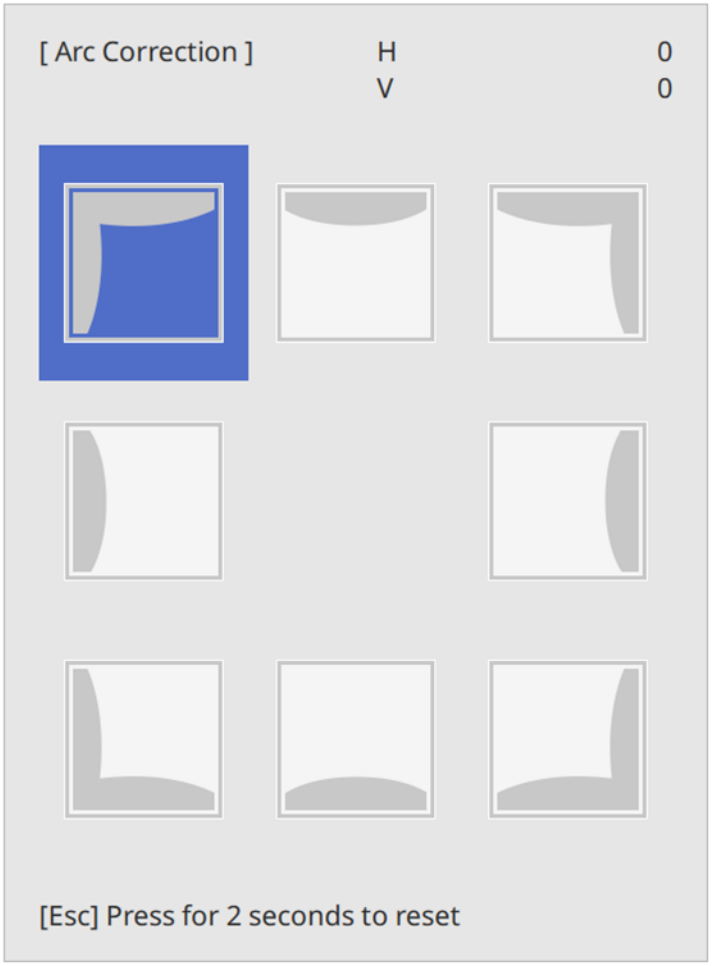
Note: If you change the **Screen Type** setting or adjust the image position, your image adjustments are reset.

1. Turn on the projector and display an image.
2. Press the **Menu** button.
3. Select the **Installation** menu and press **Enter**.



4. Select the **Geometry Correction** setting and press **Enter**.
5. Select the **Arc Correction** setting and press **Enter**. Then select **Yes** and press **Enter** again.

You see the Arc Correction adjustment screen:



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

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.

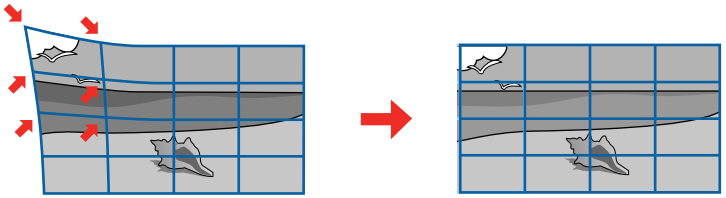
8. When you are finished, press **Esc**.

Note: To save the current image shape, select **Memory** > **Save Memory**. You can save up to three image shapes in the projector's memory.

Parent topic: Image Shape

Correcting Image Shape with Point Correction

You can use the projector's Point Correction feature to fine-tune the image shape using points on a grid. This is useful for adjusting overlapping areas in multiple projected images that do not line up correctly.



1. Turn on the projector and display an image.
2. Press the **Menu** button.
3. Select **Installation** > **Geometry Correction** > **Point Correction**.

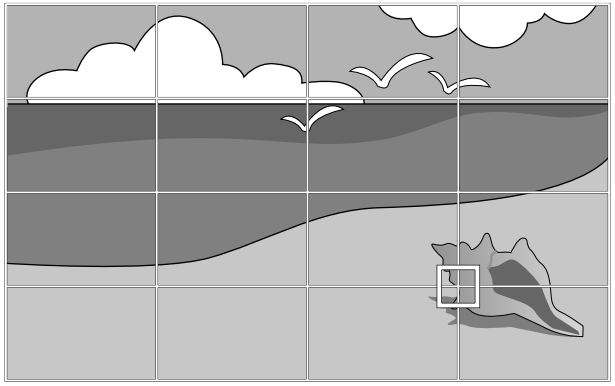
   Note: If you see a confirmation message, select **Yes** and press **Enter**.

4. Select the **Point Correction** setting again and press **Enter**.
5. Select the number of grid lines to display and press **Enter**.

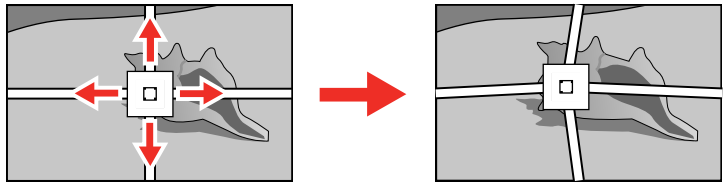
   You see a grid on the projected image.

   Note: If you need to change the color of the grid lines, press **Esc**, select the **Pattern Color** setting, and select a suitable color.

6. Press the arrow buttons on the projector or remote control to move to the point on the grid that you want to adjust. Then press ↵ **Enter**.



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



8. Press **Esc** to return to the previous screen and select another point to correct, if necessary.
9. When you are finished, press the **Menu** button.

Note: If necessary, you can fine-tune your image adjustments using the **Quick Corner** setting.

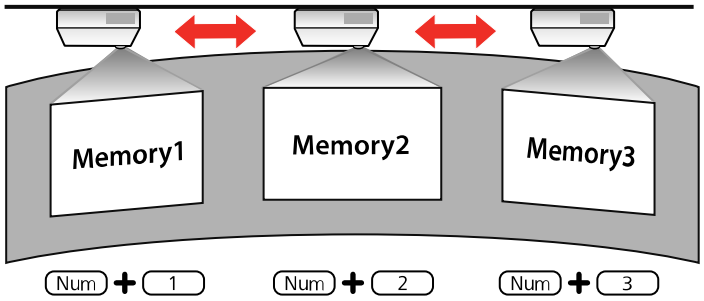
Parent topic: Image Shape

Applying Saved Image Shape Settings

You can load the image shape settings you selected and saved to the projector's memory and apply them to the current image.

1. Turn on the projector and display an image.

2. Hold down the **Num** button on the remote control and press the number button (1, 2, or 3) that matches the number of the saved image shape setting.



The saved image shape setting is applied and you are prompted to calibrate the screen.

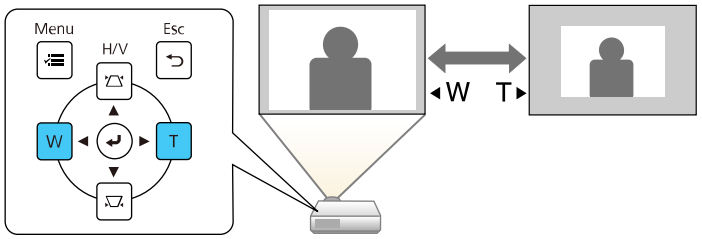
3. Follow the on-screen instructions to calibrate the screen.

Parent topic: Image Shape

Resizing the Image with the Wide and Tele Buttons

You can resize the image using 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.



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 **Digital Zoom** setting in the projector menus.

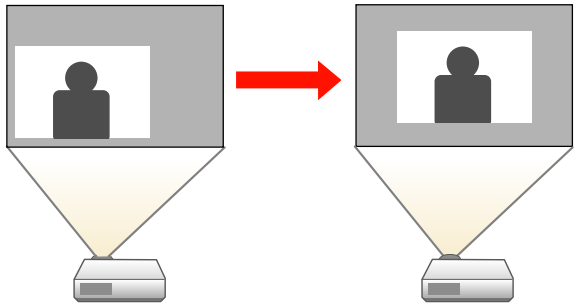
Parent topic: Using Basic Projector Features

Related references

Installation Settings - Installation Menu

Adjusting the Image Position

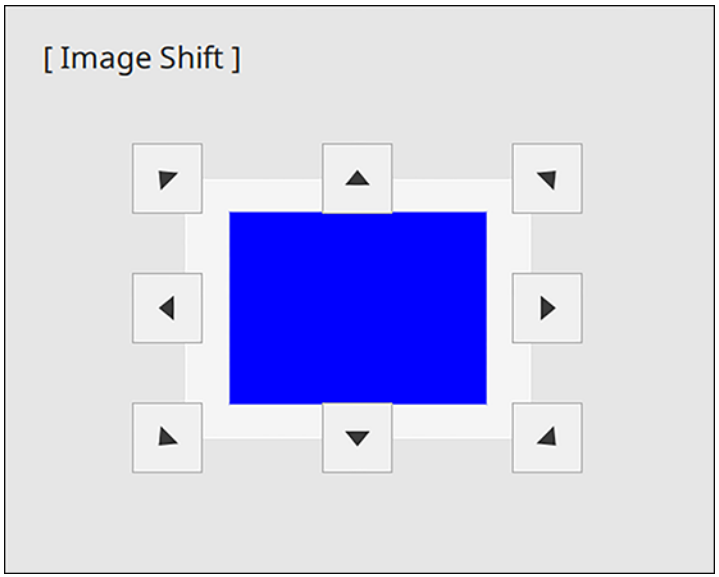
You can use the Image Shift feature to adjust the image position without moving the projector. Wait at least 30 minutes after you start projecting to adjust the image position.



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.



3. Use the arrow buttons on the projector or remote control to adjust the image position.

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

4. Press **Esc** to close the Image Shift screen. The screen closes if no operation is performed for approximately 10 seconds.

Note: The Image Shift setting is retained even if the projector is turned off; however, you need to readjust the image position if you change the projector's location or angle.

Parent topic: Using Basic Projector Features

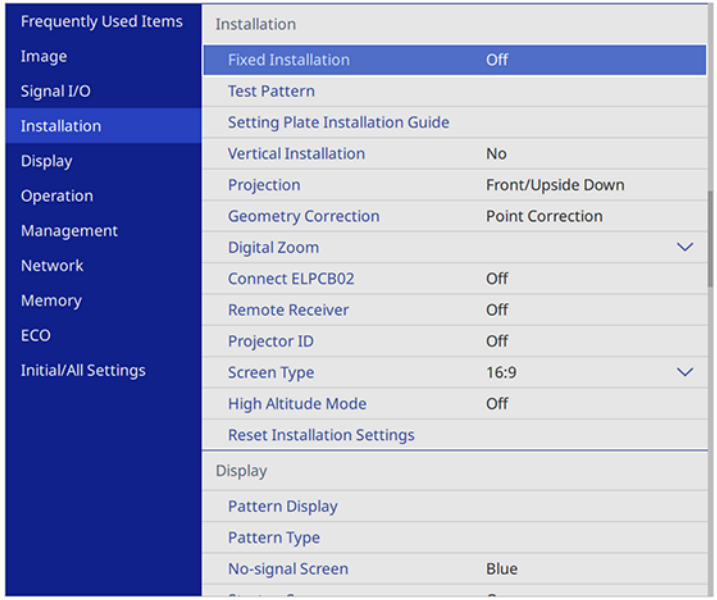
Related references

Installation Settings - Installation Menu

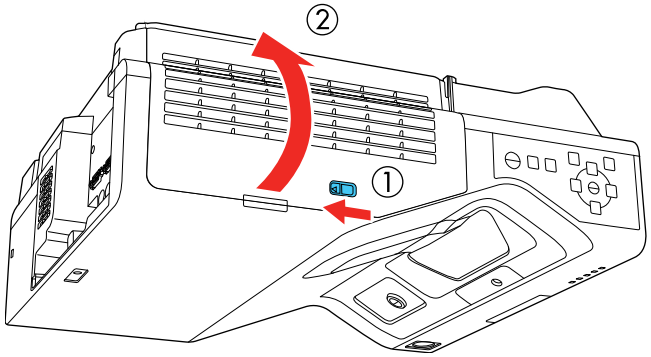
Focusing the Image

Wait at least 30 minutes after you start projecting to adjust the focus.

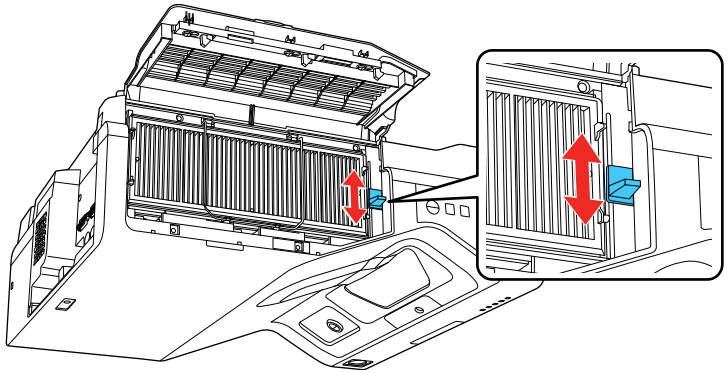
1. Turn on the projector and display an image.
2. Press the **Menu** button.
3. Select the **Installation** menu and press ↵ **Enter**.

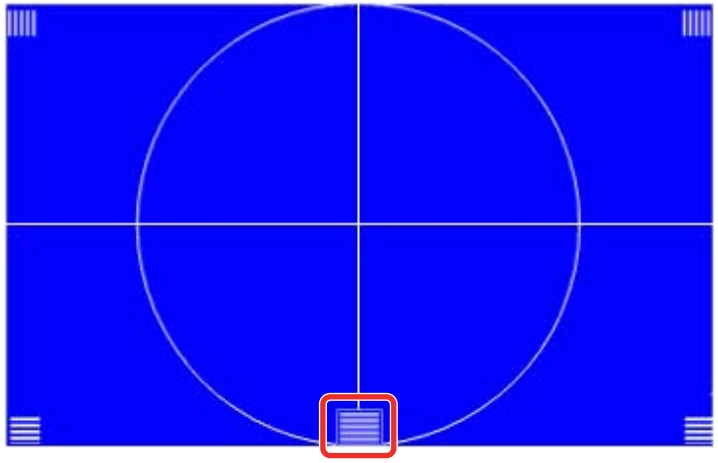


4. Select **Test Pattern** and press ↵ **Enter**.
5. Open the front cover.



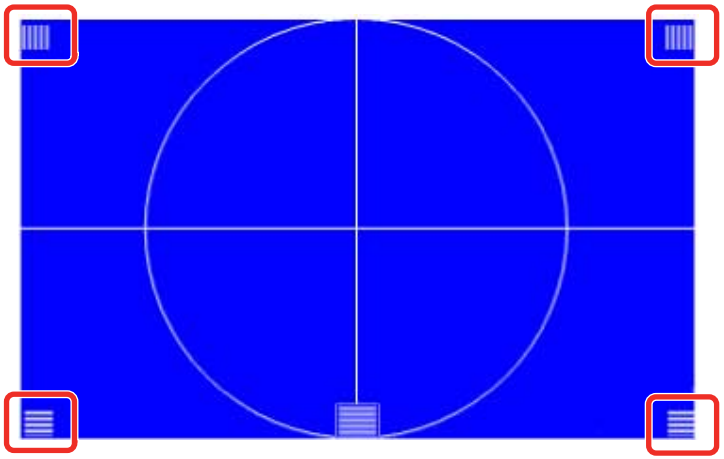
6. Move the focus lever and adjust the focus using the center reference point of the projected screen.





Note: You may see a different test pattern than the one shown above.

7. Once the center reference point is in focus, check that the corner reference points are also in focus.



Note: If any areas are out of focus, use the focus lever to adjust the focus until the corners appear the same.

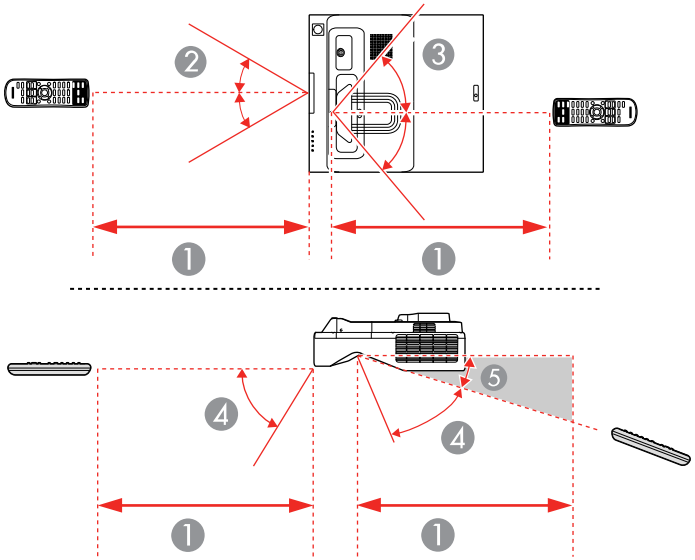
8. To remove the test pattern, press **Esc**.

Parent topic: Using Basic Projector Features

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.



1 19.7 feet (6 m)

2 ± 30°

3 ± 55°

4 60°

5 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.

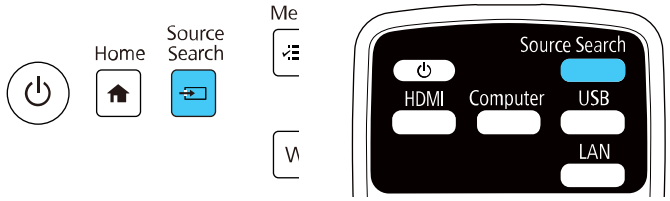
Parent topic: Using Basic Projector Features

Selecting an Image Source

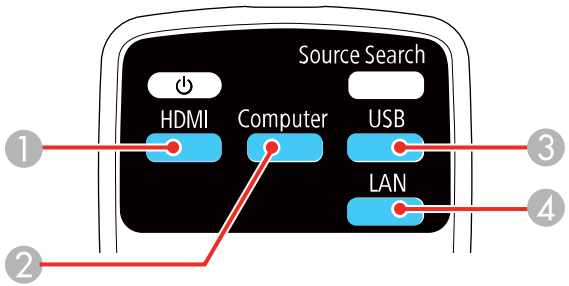
If you connected multiple image sources to the projector, such as a computer and DVD player, you may want to switch from one image source to the other.

Note: If you turned on the **Auto Source Search** setting in the Operation 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.

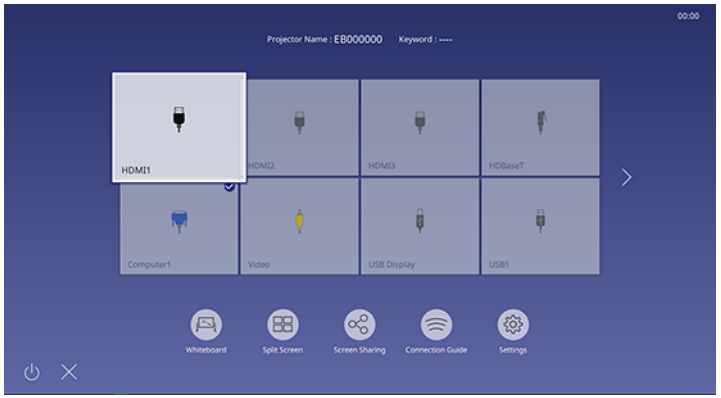


   - Press the button for the source you want on the remote control. If there is more than one port for that source, press the button again to cycle through the sources.



1 HDMI and Video sources
2 VGA port sources
3 USB port sources (computer display or external devices)
4 Network and Screen Mirroring sources

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



Note: Your Home screen may look different from the illustration shown here. A checkmark appears on the image from the current input source. You can see thumbnail previews of most input sources.

The displayed order of the input sources changes. Detected input sources appear in the upper left position. You can set the order of the input sources using the **Sort Source Thumbnails** setting in the projector's Display menu.

Parent topic: Using Basic Projector Features

Related references

Feature Settings - Operation Menu

Related tasks

Using the Home Screen

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** flips the image over top-to-bottom to project upside-down from a wall or ceiling mount.
- **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.

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

Changing the Projection Mode Using the Remote Control

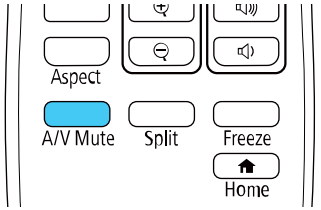
Changing the Projection Mode Using the Menus

Parent topic: Using Basic Projector Features

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 5 to 10 seconds.



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 5 to 10 seconds again.

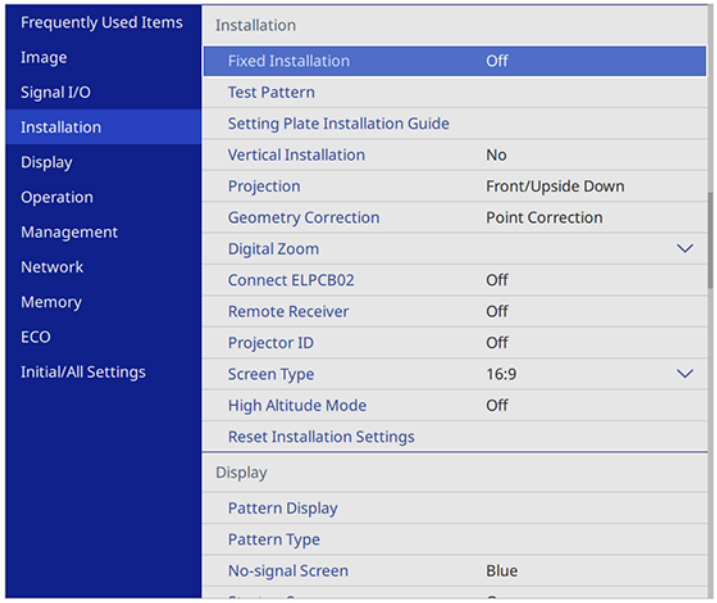
Parent topic: Projection Modes

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 **Installation** menu and press ↵ **Enter**.



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

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

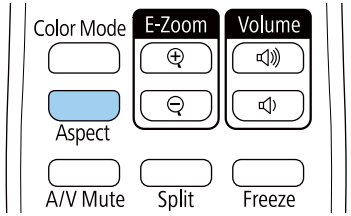
Parent topic: Using Basic Projector Features

Changing the Image Aspect Ratio

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

Note: Set the **Screen Type** setting in the projector's Installation menu before changing the aspect ratio.

1. Turn on the projector and switch to the image source you want to use.
2. Press the **Aspect** button on the remote control.



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

Related references

Image Quality Settings - Image Menu

Available Image Aspect Ratios

You can select the following image aspect ratios, depending on the selected **Screen Type** setting and 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
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 appearance of the **Native** image aspect ratio setting varies depending on the input signal.

If there are margins between the image edges and the screen, you can adjust the position of the projected image using the **Screen Position** setting in the Installation menu.

Parent topic: Image Aspect Ratio

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

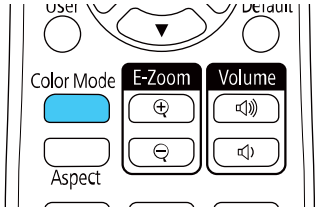
Parent topic: Using Basic Projector Features

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.



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

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 with natural tone images
sRGB	Best for standard sRGB computer displays
Blackboard	Best for projecting images directly on a green chalkboard

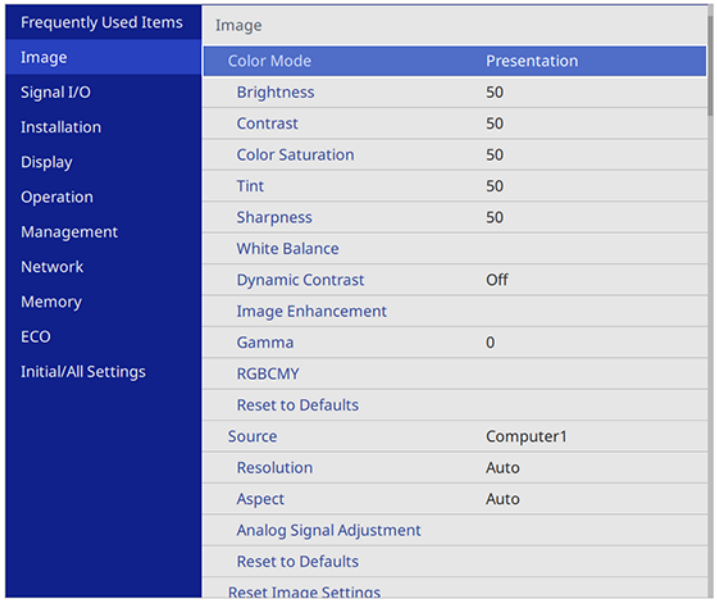
Parent topic: Color Mode

Adjusting the Hue, Saturation, and Brightness

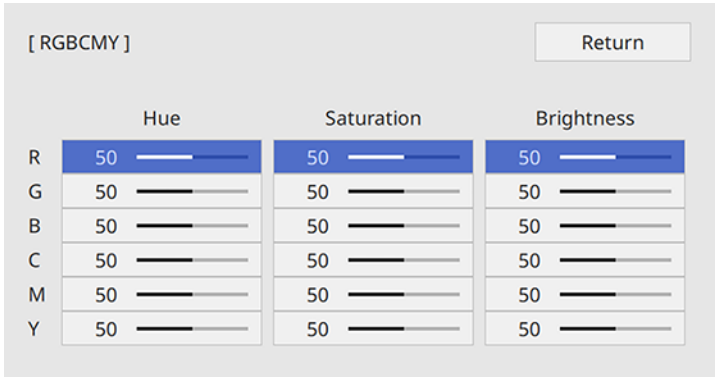
You can adjust the hue, saturation, and brightness settings for individual image colors.

1. Turn on the projector and switch to the image source you want to use.
2. Press the **Menu** button.

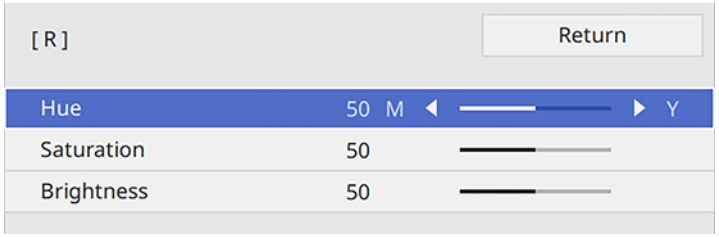
3. Select the **Image** menu and press ↵ **Enter**.



4. Select **RGBCMY** and press ↵ **Enter**.
5. Select the color to adjust and press ↵ **Enter**.



6. Do the following as necessary for each setting:
   - To adjust the overall hue of the color (bluish, greenish, reddish), 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.



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

Parent topic: Using Basic Projector Features

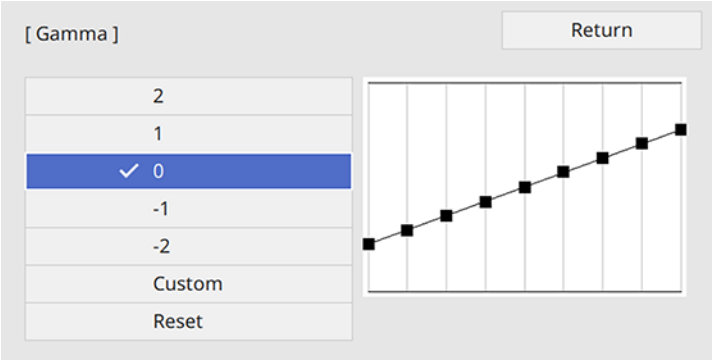
Adjusting Gamma

You can adjust the gamma to improve differences in halftone brightness that vary depending on the connected device.

Note: Project a still image to adjust the gamma; you cannot adjust it properly when projecting a movie or other moving video. Medical images may not reproduce correctly depending on your operating environment and screen.

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**.
4. Select the **Gamma** setting and press ↵ **Enter**.
5. Select and adjust the correction value.

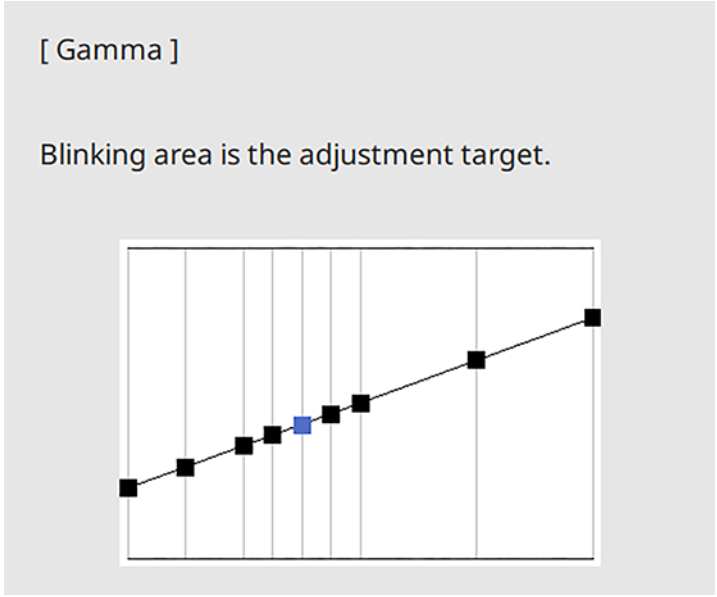
You see a screen like this:



When you select a smaller value, you can reduce the overall brightness of the image to make the image sharper. When you select a larger value, the dark areas of images become brighter, but the color saturation for lighter areas may become weaker.

6. If you want to make finer adjustments, select **Custom** and press ↵ **Enter**.
7. Press the left or right arrow button to select the tone you want to change, then press the up or down arrow button to adjust the tone and press ↵ **Enter**.

You see a screen like this:



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

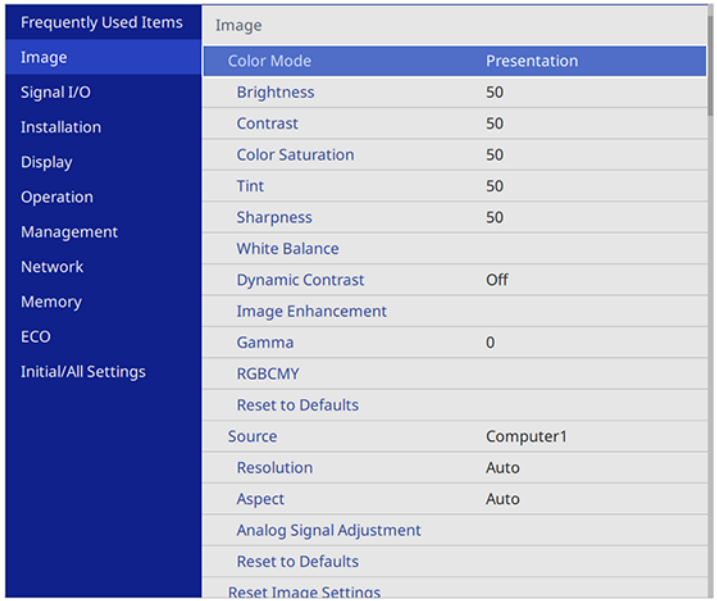
Parent topic: Using Basic Projector Features

Adjusting the Image Resolution

You can adjust the image resolution to project a clear image with an emphatic texture and material feel.

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**.



4. Select **Image Enhancement** and press **Enter**.
5. Select **Image Preset Mode** and press **Enter**.
6. Select the preset option and press **Enter**.

   Note: The following settings saved in the preset option are applied to the image:
   - **Noise Reduction**
   - **MPEG Noise Reduction**
   - **Deinterlacing**
   - **Super-resolution**
   - **Detail Enhancement**

7. Adjust each setting in the projector's Image menu individually as necessary.
   - Adjust the **Noise Reduction** setting to reduce flickering in images.
   - Adjust the **MPEG Noise Reduction** setting to reduce the noise or artifacts seen in MPEG video.

- Adjust the **Deinterlacing** setting to convert interlaced-to-progressive signals for certain video image types (only displayed when the current signal is interlaced [480i/576i/1080i]).
- Adjust the **Super-resolution** setting to reduce blurring when projecting low-resolution images.
- Adjust the **Detail Enhancement** setting to create a more emphatic texture and material feel of the image.

The setting values in the preset option are overwritten as you make changes.

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

Parent topic: Using Basic Projector Features

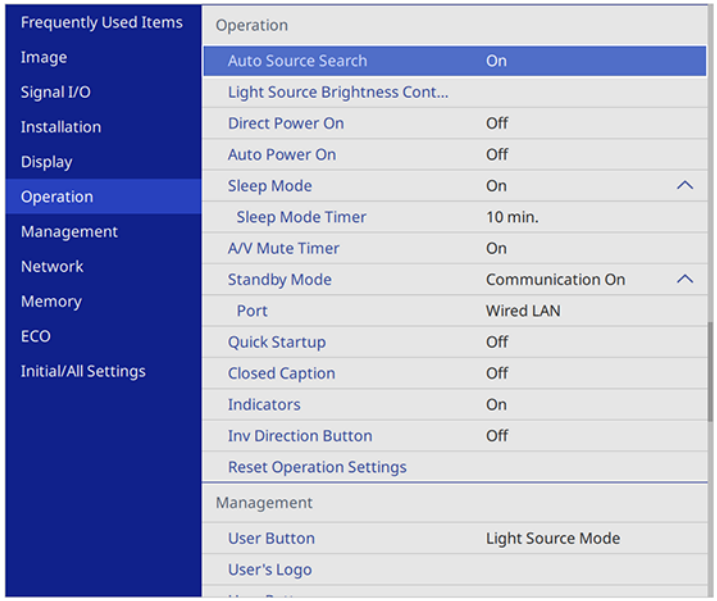
Related references

Image Quality Settings - Image Menu

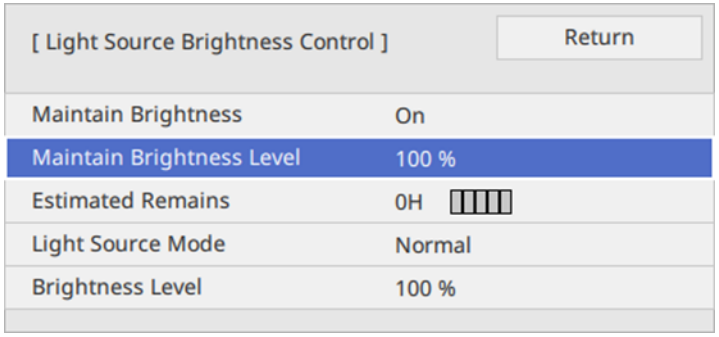
Adjusting the Projector's Brightness Level

You can adjust the brightness of your projector's light source.

1. Turn on the projector and switch to the image source you want to use.
2. Press the **Menu** button.
3. Select the **Operation** menu and press **Enter**.



4. Select **Light Source Brightness Control** and press ↵ **Enter**.



5. If you want to maintain the brightness at a specific level, select the **Maintain Brightness** setting and select **On**.
6. If you turn on **Maintain Brightness**, select the **Maintain Brightness Level** setting and check the **Estimated Remains** information.
7. If you turn off **Maintain Brightness**, select the **Light Source Mode** setting:
   - **Normal**: Sets brightness to the maximum level (ideal for conference rooms, auditoriums, and lecture halls)
   - **Quiet**: Sets brightness to 70% and reduces fan noise (ideal for libraries, theaters, museums, and art galleries)
   - **Extended**: Sets brightness to 70% and extends the life expectancy of the light source (ideal for darker environments with ambient light, such as museums and art galleries, where a reduced maintenance cycle is desired)
   - **Custom**: Allows you to select a custom brightness level between 70 to 100%
8. If you set the **Light Source Mode** setting to **Custom**, select **Brightness Level** and use the left and right arrow buttons to select the brightness.
9. Press **Menu** or **Esc** to exit the menus.

   Note: For the best results in maintaining the brightness level, set the **Light Source Calibration** setting to **Run Periodically** in the projector's Management menu.

Constant Brightness Usage Hours

Parent topic: Using Basic Projector Features

Related references

Administration Settings - Management Menu

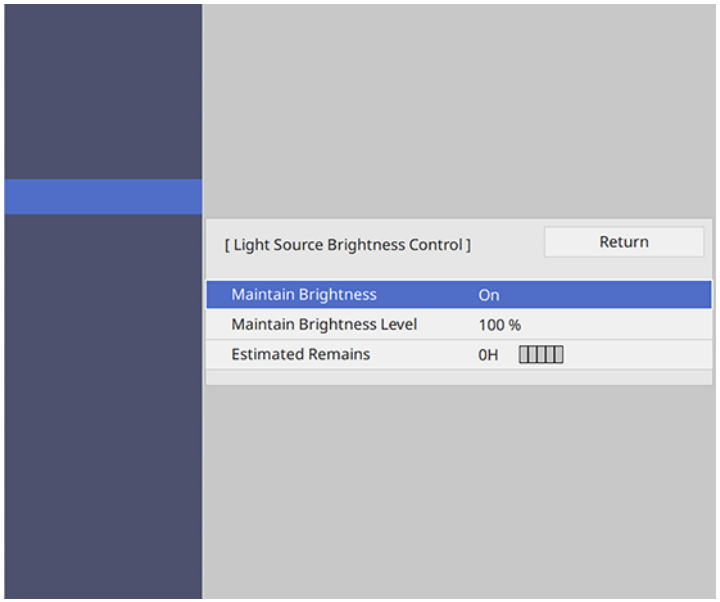
Feature Settings - Operation Menu

Related tasks

Saving a Scheduled Event

Constant Brightness Usage Hours

If you turn on the **Maintain Brightness** setting, the number of hours the projector can maintain constant brightness is displayed as the **Estimated Remains** setting.



Display level	Estimated remaining hours
▮▮▮▮▮	10000 or more hours
▮▮▮▮▯	8000 to 9999 hours
▮▮▮▯▯	6000 to 7999 hours
▮▮▯▯▯	4000 to 5999 hours

Display level	Estimated remaining hours
	2000 to 3999 hours
	0 to 1999 hours

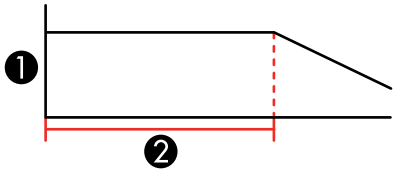
Light source life span

The estimated life span of the light source varies depending on the **Brightness Level** setting and whether the **Maintain Brightness** setting is on or off.

Maintain Brightness off

Brightness Level setting	Hours
100%	20000 hours
90%	21000 hours
80%	24000 hours
70%	30000 hours

Maintain Brightness on



1 Brightness level

2 Time the projector can maintain constant brightness (approximate)

Brightness Level setting	Hours
85%	6000 hours
80%	10000 hours
70%	19000 hours

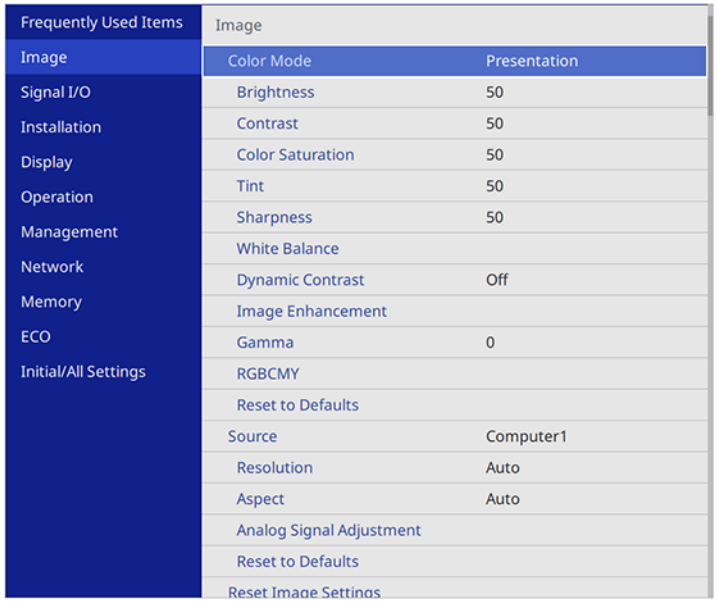
Note: The light source usage hours vary depending upon environmental conditions and usage. The hours listed here are an approximate and are not guaranteed. You may need to replace internal parts sooner than the estimated light source operation time. If **Maintain Brightness** is turned on, and you have exceeded the usage hours listed here, you may not be able to select a high **Maintain Brightness Level** setting.

Parent topic: Adjusting the Projector's Brightness Level

Turning On Dynamic Contrast

You can turn on the **Dynamic Contrast** setting to automatically optimize the image luminance. This improves the image contrast 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**.



4. Select the **Dynamic Contrast** setting, choose one of the following options, and press **Enter**:
   - **Normal** to adjust brightness at the standard speed.

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

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

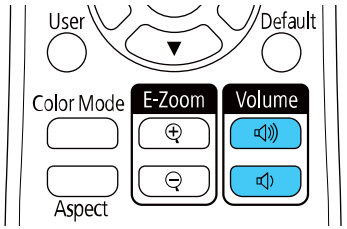
Parent topic: Using Basic Projector Features

Controlling the Volume with the Volume Buttons

You can use the **Volume** buttons on the remote control to adjust the volume of your projected content. 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.



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

Selecting a Quick Startup Setting

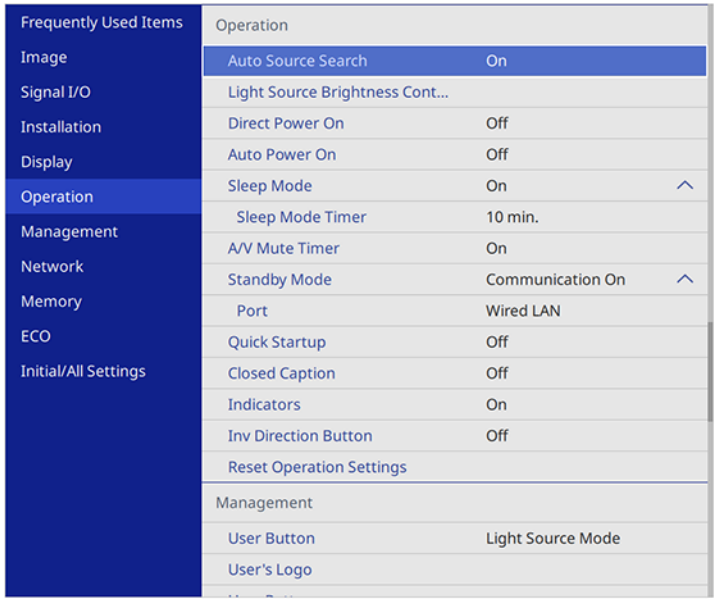
If you want to quickly restart the projector within five seconds after turning it off, you can change the **Quick Startup** setting. You can select 20, 60, or 90 minutes of Quick Startup time.

Note: The projector may take longer than five seconds to start up in the following conditions:

- When projecting from the one of the projector's USB ports
- When projecting with Screen Mirroring

1. Turn on the projector.

2. Press the **Menu** button.
3. Select the **Operation** menu and press **Enter**.



4. Select the **Quick Startup** setting and press **Enter**.
5. Select how long you want to enable Quick Startup mode for and press **Enter**.
6. Press **Menu** or **Esc** to exit the menus.

   Press the power button to quickly restart the projector in this mode.

Parent topic: Using Basic Projector Features

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.

PC Free Precautions
Supported PC Free File Types
Starting a PC Free Slideshow

Starting a PC Free Movie Presentation
PC Free Display Options

Parent topic: Using Basic Projector Features

PC Free Precautions

Note the following precautions when using PC Free features:

- You cannot use a USB key for quick wireless connection for PC Free features.
- Do not disconnect the USB device while it is being accessed; otherwise, PC Free may not operate correctly.
- You may not be able to use the security features on certain USB devices with PC Free features.
- When connecting a USB device that includes an AC adapter, connect the AC adapter to an electrical outlet when you use the USB device with your projector.
- Some commercially available USB card readers may not be compatible with your projector.
- The projector can recognize up to five cards inserted into a connected card reader at a time.
- You cannot correct keystone distortion while projecting in PC Free, so correct the image shape before you begin your presentation.
- You can use the following features while projecting in PC Free:
  - Freeze
  - A/V Mute
  - E-Zoom
  - Pointer

Parent topic: Projecting a PC Free Presentation

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. PC Free may not work with USB device security features. If you are using a connected card reader, the projector can recognize up to five cards.

Note: While projecting a PC Free presentation, you cannot correct the image shape using keystone correction. Correct the image shape before starting your presentation.

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 • Interlaced
Image (.png)	Make sure the file resolution is not: • Above 1920 × 1200 • Interlaced
Motion JPEG movie (.avi)	Supports only AVI 1.0 Make sure the file is not: • Saved with an audio codec other than PCM or ADPCM • Above 1280 × 720 resolution • Larger than 2GB • Saved with a frame rate higher than 30 fps • Saved with an audio sampling rate other than 11.025 kHz, 16 kHz, 22.05 kHz, 24 kHz, 32 kHz, or 44.1 kHz

File type and extension	Details
H.264, H.265 (.mp4/.mov)	Make sure the file is not: • Larger than 2GB • Above 1920 × 1200 resolution • A color format other than YUV420 • Saved with a movie codec other than H.264/MPEG-4 AVC (Baseline Profile, Main Profile, High Profile) or H.265/MPEG-H HEVC (Main Profile) • Saved with a frame rate higher than 30 fps • Saved with an audio codec other than MPEG-2 AAC-LC, MPEG-4 AAC-LC, or LPCM • Saved with an audio sampling rate other than 11.025 kHz, 16 kHz, 22.05 kHz, 24 kHz, 32 kHz, 44.1 kHz, or 48 kHz for LPCM, or 44.1 kHz or 48 kHz for MPEG-2 AAC-LC and MPEG-4 AAC-LC • Saved with audio other than 8-bit or 16-bit and up to 2 channels

Parent topic: Projecting a PC Free Presentation

Starting a PC Free Slideshow

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

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

1. Press the **USB** button on the projector remote control until the PC Free file list appears.

The PC Free screen appears.



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 **Enter**.
   - 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**.
   - To display images from a different USB drive, select **Select Drive** at the top of the PC Free screen and press **Enter**.
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 the display area 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.
   - To move to the next or previous image, press the left or right arrow button.
5. To stop the display, follow the on-screen instructions or press the **Esc** button.
6. Turn off the USB device, if necessary, and then disconnect the device from the projector.

Parent topic: Projecting a PC Free Presentation

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 operation options by highlighting **Option** at the bottom of the screen and pressing ↵ **Enter**.

1. Press the **USB** button on the projector remote control until the PC Free screen appears.

   The PC Free screen appears.



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 **Enter**.
   - 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**.
   - To display movie files from a different USB drive, select **Select Drive** at the top of the PC Free screen and press **Enter**.
3. To play back a movie, press the arrow buttons to highlight the file and press **Enter**.

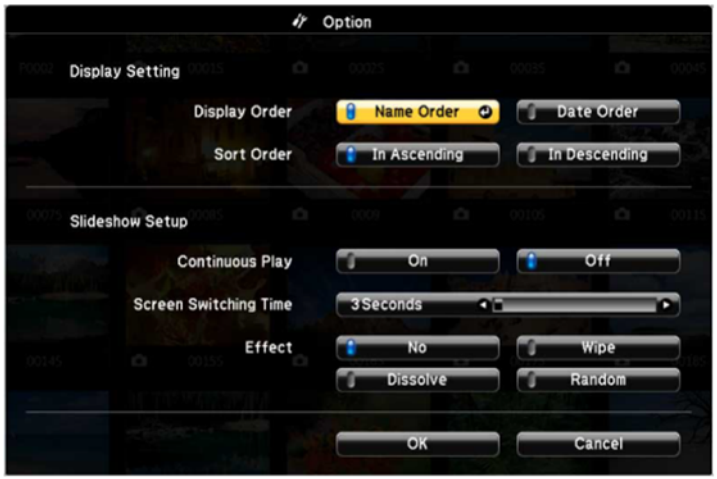
   Note: If any file names are longer than the display area or include unsupported symbols, the file names may be shortened or changed only in the screen display. If you want to play back all the movies in a folder in sequence, select the **Slideshow** option at the bottom of the screen.

4. To stop movie playback, press the **Esc** button, highlight **Exit**, and press **Enter**.
5. Turn off the USB device, if necessary, and then disconnect the device from the projector.

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.



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 slideshow continuously
	Off	Displays a slideshow 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
Effect	**No**	No 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.

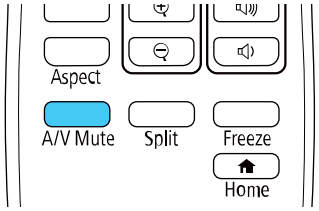
Shutting Off the Picture and Sound Temporarily
Stopping Video Action Temporarily
Zooming Into and Out of Images
Using Multiple Projectors
Projecting Multiple Images Simultaneously
Projector Security Features
Creating a User Pattern to Display
Saving Settings to Memory and Using Saved Settings
Copying Menu Settings Between Projectors
Scheduling Projector Events

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.

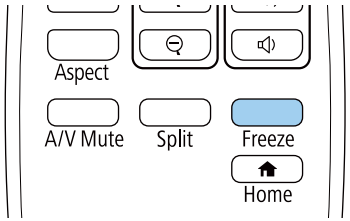
Note: The projector's power automatically turns off thirty minutes after A/V Mute is enabled. You can disable this feature in the projector's **Operation** menu.

Parent topic: Adjusting Projector Features

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.

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

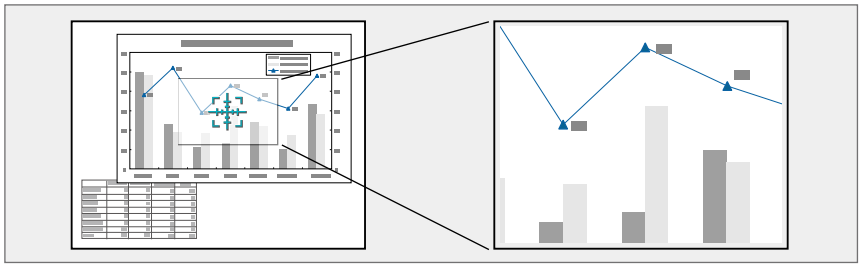


2. To restart the video action in progress, press **Freeze** again.

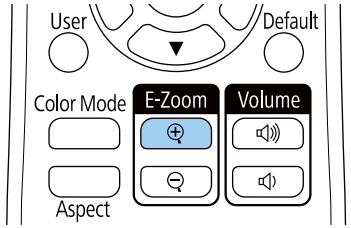
Parent topic: Adjusting Projector Features

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.



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



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.
   - 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 the **Esc** button.

Parent topic: Adjusting Projector Features

Using Multiple Projectors

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

Projector Identification System for Multiple Projector Control
Adjusting Color Uniformity

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.

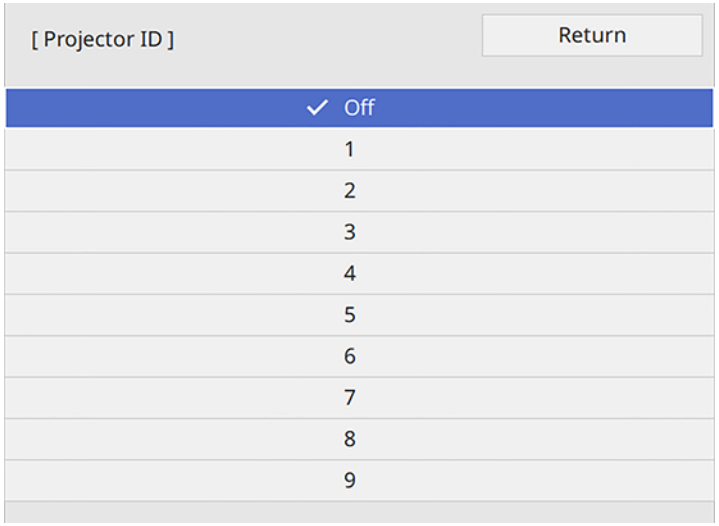
Setting the Projector ID
Setting the Remote Control ID

Parent topic: Using Multiple Projectors

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 **Installation** menu and press **Enter**.
3. Select **Projector ID** and press **Enter**.



4. 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: Projector Identification System for Multiple Projector Control

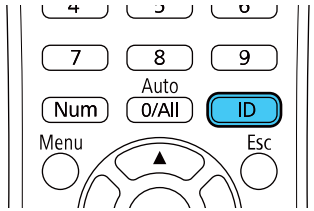
Setting the Remote Control ID

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.

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 Installation 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.



The remote control's ID is set.

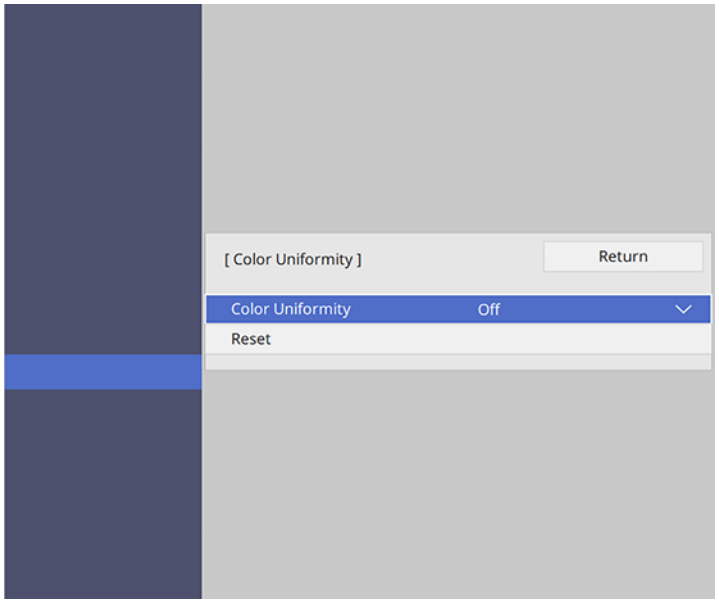
Note: If the batteries are left out of the remote control for an extended period, the remote control ID returns to its default setting.

Parent topic: Projector Identification System for Multiple Projector Control

Adjusting Color Uniformity

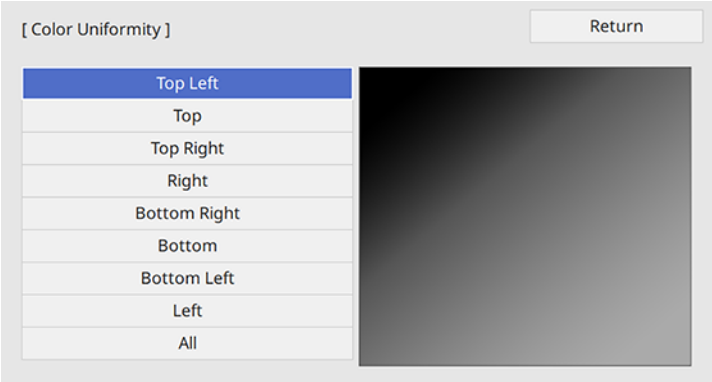
If the color tone is uneven on each screen, adjust the color tone balance in the Management menu of each projector. (The color tone may not be uniform even after performing color uniformity.)

1. Press the **Menu** button on the remote or control panel, select the **Management** menu, and press **Enter**.
2. Select the **Color Uniformity** setting and press **Enter**.



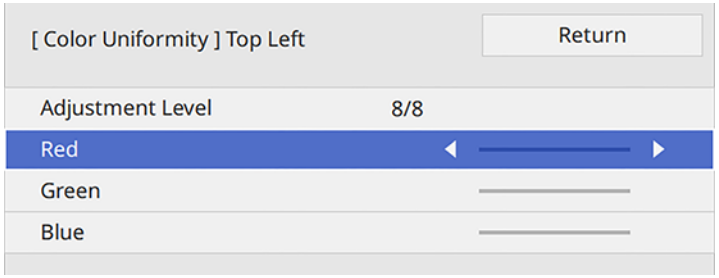
3. Select **On** as the **Color Uniformity** setting and press **Enter**, then press **Esc**.
4. Select **Adjustment Level** and press **Enter**.
5. Select an adjustment level and press **Esc**.
6. Select **Start Adjustments** and press **Enter**.

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



8. 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**.



9. Press **Esc** to return to the area selection screen.
10. Repeat steps 7 through 9 for each area, then select **All** to adjust the entire screen.
11. Press **Esc** to exit the menus.

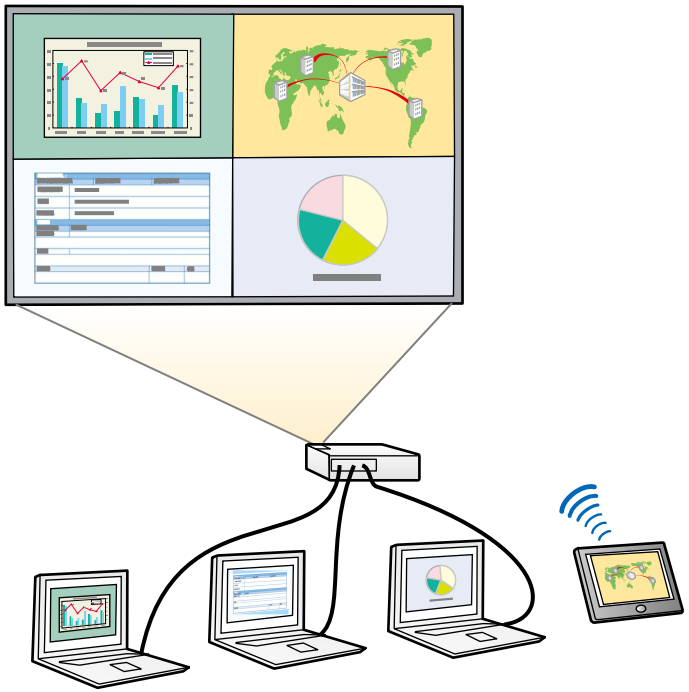
Parent topic: Using Multiple Projectors

Related references

Image Quality Settings - Image Menu

Projecting Multiple Images Simultaneously

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



Note: While you use the split screen feature, other projector features may not be available and some settings may be automatically applied to all images.

Note: You cannot use split screen with certain input source combinations. You cannot perform split screen projection when the **Connect ELPCB02** setting is set to **On** in the Installation menu.

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

   Note: You can also select **Split Screen** from the Home screen.

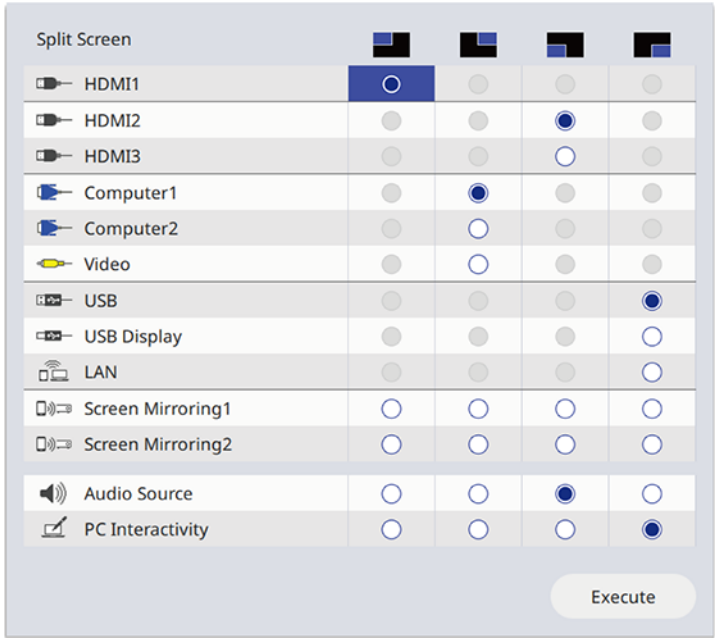
   You are prompted for the number of screens.

2. Select **2 Screens** or **4 Screens**, depending on the number of input sources you want to project.

   If you selected **2 Screens**, the currently selected input source moves to the left side of the screen. If you selected **4 Screens** and used the split screen feature to project four images before, the projected images are arranged in the same order as they were previously.

3. Press the **Menu** button.

   You see a screen like this:



4. Press the arrow and ↵ **Enter** buttons to select an image source for each section of the screen.
5. To choose the audio you want to hear, select an input source as the **Audio Source** setting.
6. If you selected **2 Screens** and want to change the size of the images, select a sizing option as the **Screen Size** setting.
7. Select **Execute** and press ↵ **Enter**.
8. To exit the split screen feature, press the **Split** or **Esc** button.

Input Sources for Split Screen Projection
Split Screen Projection Restrictions

Parent topic: Adjusting Projector Features

Input Sources for Split Screen Projection

You can choose most input source combinations for split screen projection, but the following combinations are not supported:

- **HDMI2**, **HDMI3**
- **Computer1**, **Computer2**, **Video**
- **USB1**, **USB Display**, **LAN**

Parent topic: Projecting Multiple Images Simultaneously

Split Screen Projection Restrictions

You cannot perform the following operations during split screen projection:

- Change settings in the projector's menu
- E-Zoom
- Switching the aspect mode (the aspect mode is set to **Auto**)
- Operations using the **User** button on the remote control, other than displaying the network information on the projected surface
- Applying the **Dynamic Contrast** setting
- Displaying the network information on the projected surface by a method other than pressing the **User** button
- Displaying the Screen Mirroring information bar

Image restrictions

- Even if you set **No-signal screen** to **Logo** in the Display menu, the blue screen appears when no image signal is being input
- When you create a single, unified image projected from multiple projectors and use the split screen feature, the second projector detects no image signal

Parent topic: Projecting Multiple Images Simultaneously

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** password prevents anyone from changing the custom screen the projector can display when it turns on. The presence of the custom screen discourages theft by identifying the projector's owner.
- **Network** password prevents anyone from changing the network settings in the projector menus.
- **Schedule** password prevents anyone from changing the projector's time or schedule settings.

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

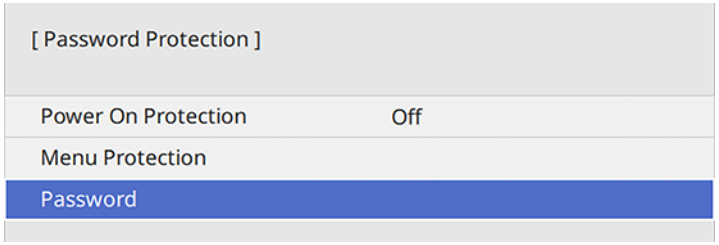
Parent topic: Projector Security Features

Setting a Password

To use password security, you must set a password.

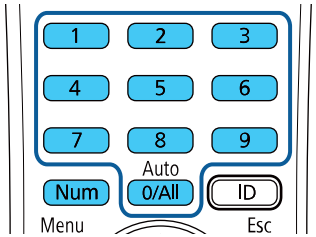
Note: The default password is set to **0000**.

1. Hold down the **Freeze** button on the remote control for about 5 seconds or until you see this menu.



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.



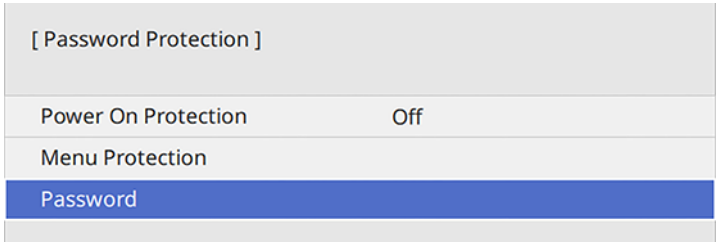
   The password displays as **** as you enter it. Then you see the confirmation prompt.
5. Enter the password again.

   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

Selecting Password Security Types

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



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.

- To prevent unauthorized use of the projector, select **Power On Protection**, press **Enter**, select **On**, press **Enter** again, and press **Esc**.
- To prevent changes to certain projector settings, select **Menu Protection**, press **Enter**, and do the following as necessary:
  - To prevent changes to the User's Logo screen or related display settings, select **User's Logo**, press **Enter**, select **On**, press **Enter** again, and press **Esc**.
  - To prevent changes to the projector's time or schedule settings, select **Schedule**, press **Enter**, select **On**, press **Enter** again, and press **Esc**.
  - To prevent changes to network settings, select **Network**, press **Enter**, select **On**, press **Enter** again, and press **Esc**.

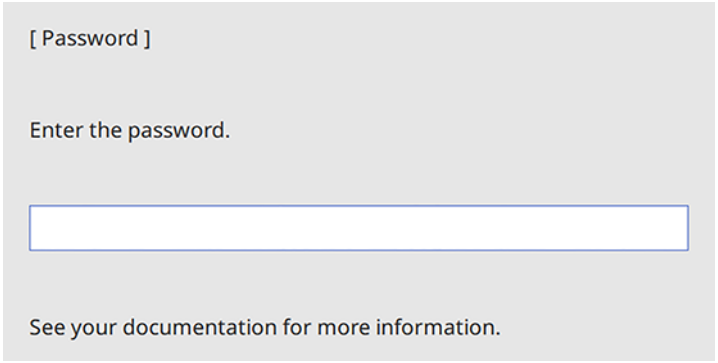
You can attach the Password Protect sticker to the projector as an additional theft deterrent.

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

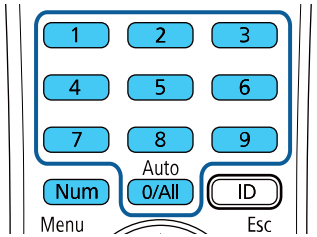
Entering a Password to Use the Projector

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.



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.



Note: The default password is **0000**.

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 have forgotten the password, make note of the **Request Code: xxxxx** number that appears on the screen and contact Epson Support.

- 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 references

Where to Get Help (U.S. and Canada)
Where to Get Help (Latin America)

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. This transferred image is called the User's Logo screen.

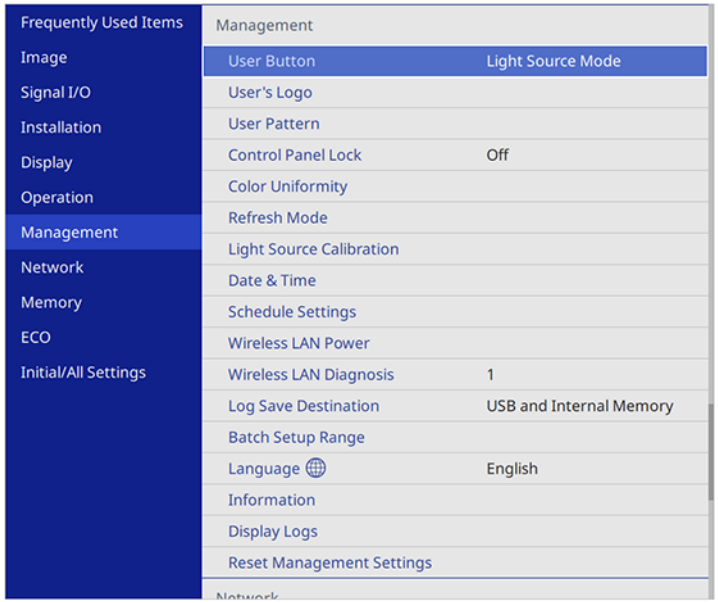
The image you select as the User's Logo can be a photo, graphic, or company logo, which is useful in identifying the projector's owner to help deter theft. You can prevent changes to the User's Logo by setting up password protection for it.

Note: You cannot save an image that is protected by HDCP as a User's Logo.

Note: When you copy the menu settings from one projector to another using the batch setup feature, the user logo is also copied. Do not include any information in the user logo that you do not want to share between multiple projectors.

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

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



3. Select the **User's Logo** setting and press **Enter**.
4. Select **Start Setting** and press **Enter**.

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

   Note: When you select **User's Logo**, adjustments such as **Geometry Correction**, **E-Zoom**, **Aspect**, and **Screen Type** are temporarily canceled.

5. Select **Yes** and press **Enter**.

   Note: Depending on the image signal, the screen size may change to match the resolution of the image signal.

6. Make sure the image appears as you want it, then select **Yes** again and press **Enter**.

   You see a completion message.
7. Press **Esc** to exit the message screen.

8. Select the **Display** menu and press **Enter**.
9. Select when you want to display the User's Logo screen:
   - To display it whenever there is no input signal, select **No-Signal Screen** and set it to **Logo**.
   - To display it whenever you turn the projector on, select **Startup Screen** and set it to **On**.

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

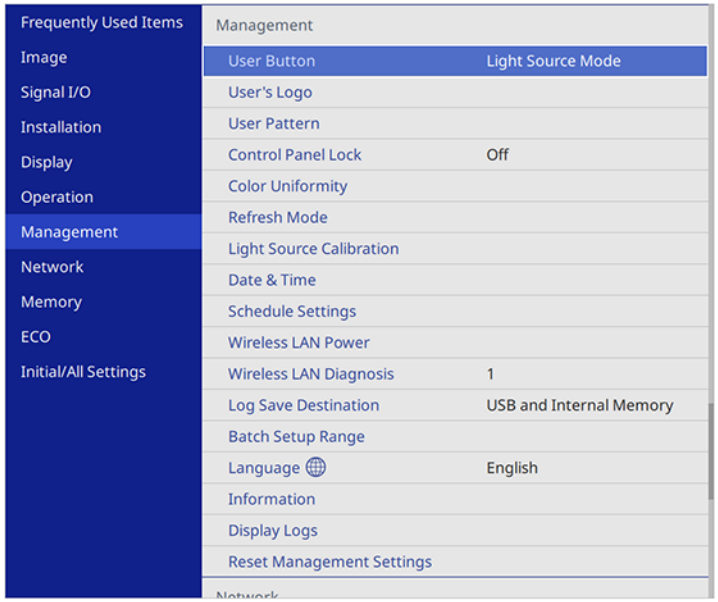
Setting a Password

Selecting Password Security Types

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 **Management** menu and press **Enter**.



3. Select the **Control Panel Lock** setting and press **Enter**.
4. 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 **Except for Power**.

   You see a confirmation prompt.
5. Select **Yes** and press **Enter**.

Unlocking the Projector's Buttons

Parent topic: Projector Security Features

Unlocking the Projector's Buttons

If the projector's buttons have been locked, hold the **Enter** button on the projector's control panel for 7 seconds to unlock them. You can also set the **Control Panel Lock** setting to **Off** in the Management menu.

Parent topic: Locking the Projector's Buttons

Related references

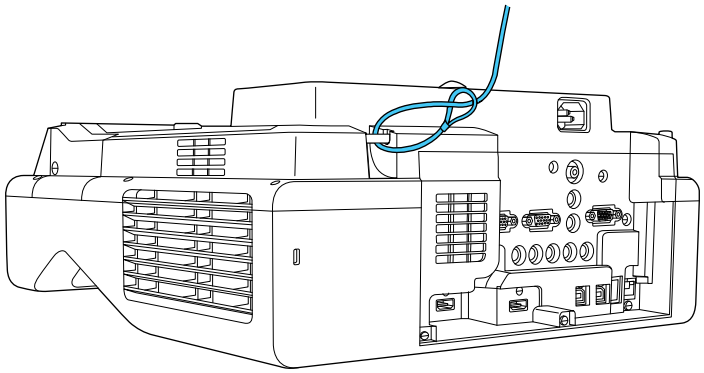
Administration Settings - Management Menu

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.



Parent topic: Projector Security Features

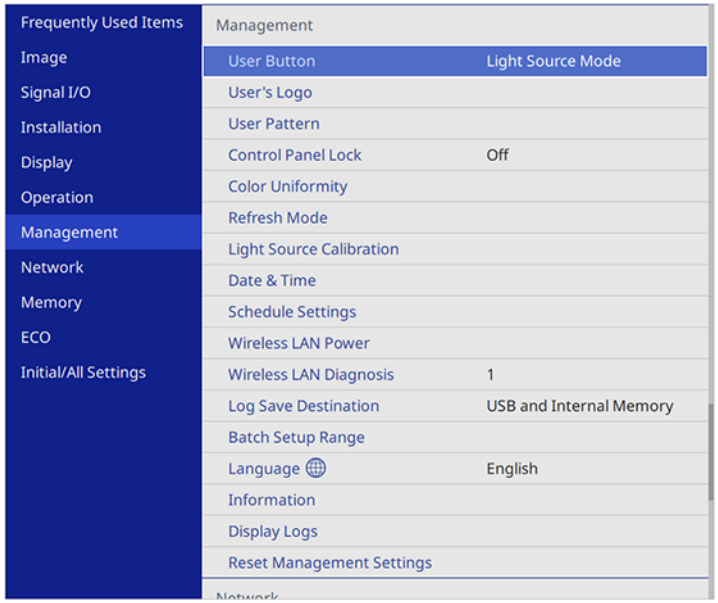
Creating a User Pattern to Display

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 **Management** menu, and press **Enter**.



3. 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.

   Note: When you select **User Pattern**, adjustments such as **Keystone**, **E-Zoom**, **Aspect**, **Adjust Zoom**, or **Image Shift** are temporarily canceled.

4. 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.

5. Press **Esc** to exit the message screen.

To view your user pattern, press the **Menu** button, select the **Display** menu, and press **Enter**. Set the **Pattern Type** setting to **User Pattern**, then return to the Display menu and select **Pattern Display**.

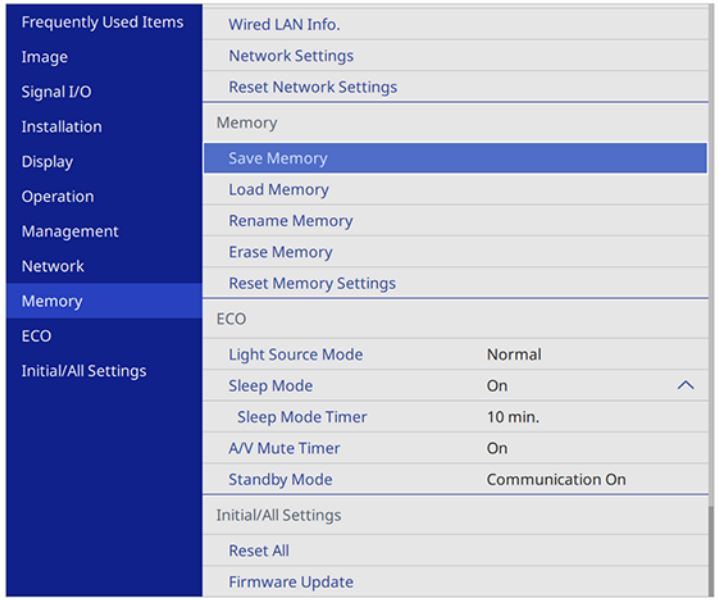
Parent topic: Adjusting Projector Features

Saving Settings to Memory and Using Saved Settings

You can save customized settings for each of your video inputs and then select the saved settings whenever you want to use them.

1. Turn on the projector and display an image.
2. Press the **Menu** button.
3. Select the **Memory** menu and press **Enter**.

   You see this screen:



4. Select one of the following options:
   - **Load Memory**: Overwrites your current settings with saved settings
   - **Save Memory**: Saves your current settings to memory (10 memories with different names are available)

Note: A memory name that has already been used is indicated by a blue mark. Saving over a previously saved memory overwrites the settings with your current settings.

Note: You can save the following settings:

- Image menu settings for each color mode
- **Video Range** and **Overscan** in the Signal I/O menu
- **Light Source Mode** and **Brightness Level** in the Operation menu

- **Erase Memory**: Erases the selected memory settings
- **Rename Memory**: Renames a saved memory
- **Reset Memory Settings**: Delete all saved memory

5. Press **Esc** to exit.

Parent topic: Adjusting Projector Features

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:

- Light Source Hours
- Status

The following settings will not transfer between projectors if you set the **Batch Setup Range** setting to **Limited**:

- Password Protection settings
- Network menu settings

Saving Settings to a USB Flash Drive
Transferring Settings from a USB Flash Drive

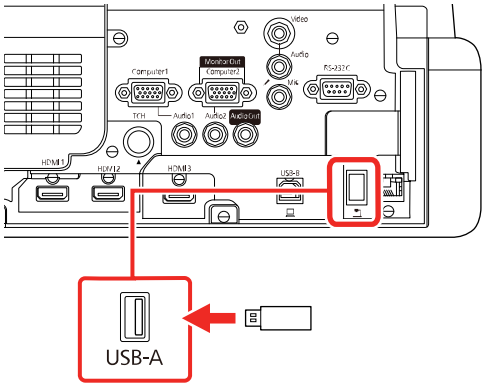
Saving Settings to a Computer
Transferring Settings from a Computer
Parent topic: Adjusting Projector Features

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.



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 On/Standby and Status lights are blue, and the Lamp and Temp lights are orange, release the **Esc** button.

   The lights flash to indicate that settings are transferring to the flash drive. When the lights stop flashing, the On/Standby 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.

   Note: If the projector does not enter standby mode and the lights continue flashing, see the link below for a solution.

Parent topic: Copying Menu Settings Between Projectors

Related references

Projector Light Status

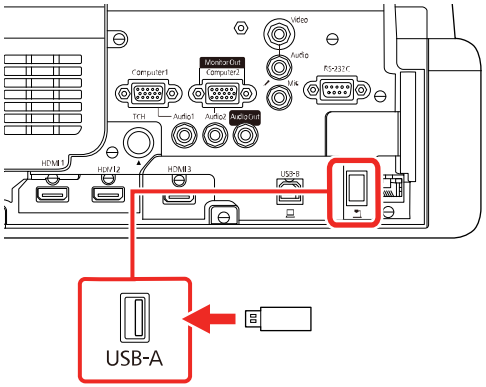
Transferring Settings from a USB Flash Drive

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.



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 On/Standby and Status lights are blue, and the Laser and Temp lights are orange, release the **Menu** button.

   The lights flash to indicate that settings are transferring to the projector. When the lights stop flashing, the On/Standby 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.

   Note: If the projector does not enter standby mode and the lights continue flashing, see the link below for a solution.

Parent topic: Copying Menu Settings Between Projectors

Related references

Projector Light Status

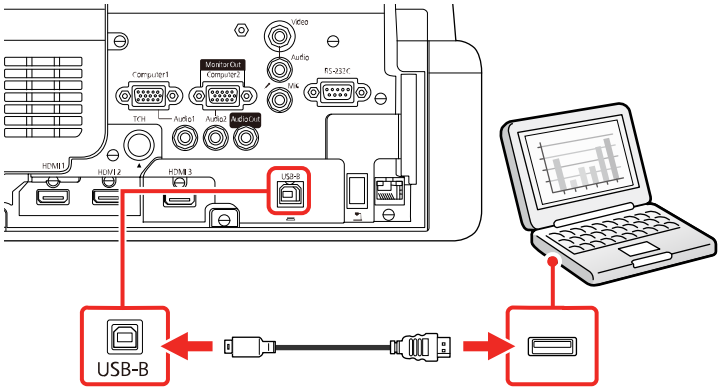
Saving Settings to a Computer

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 7
- Windows 8.x
- Windows 10
- OS X 10.11.x
- macOS 10.12.x
- macOS 10.13.x
- macOS 10.14.x
- macOS 10.15.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.



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 On/Standby and Status lights are blue, and the Laser and Temp lights are orange, 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**, **Windows Explorer**, or **File 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 turns off when you disconnect the USB cable.

   Note: If the projector does not turn off and the lights continue flashing, see the link below for a solution.

Parent topic: Copying Menu Settings Between Projectors

Related references

Projector Light Status

Transferring Settings from a Computer

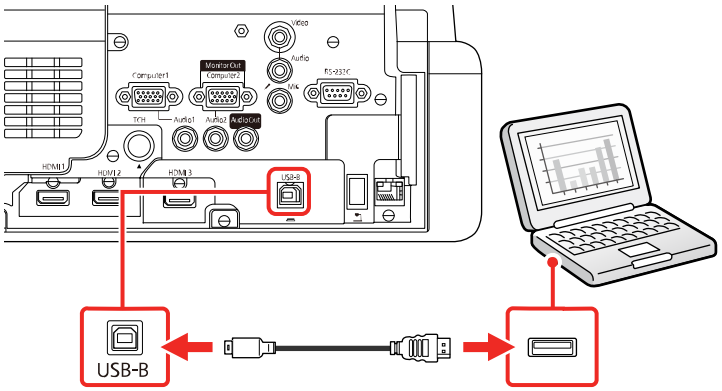
After saving projector settings to a computer, you can transfer them to another projector of the same model.

Your computer must be running one of the following operating systems:

- Windows 7
- Windows 8.x
- Windows 10
- OS X 10.11.x
- macOS 10.12.x
- macOS 10.13.x
- macOS 10.14.x
- macOS 10.15.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 On/Standby and Status lights are blue, and the Laser and Temp lights are orange, 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**, **Windows Explorer**, or **File 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.

   Various projector lights start flashing to indicate that the projector's settings are being updated. When the lights stop flashing, remove the USB cable from the projector. The projector enters standby mode.

   Caution: Do not unplug the power cord while the lights are flashing. This could damage the projector.

   Note: If the projector does not turn off and the lights continue flashing, see the link below for a solution.

Parent topic: Copying Menu Settings Between Projectors

Related references

Projector Light Status

Scheduling Projector Events

You can save a projector command, such as turning the projector on or off or switching input sources, as an "event." You can schedule when you want the projector to automatically execute the command.

Caution: Do not place flammable objects in front of the lens. If you schedule the projector to turn on automatically, flammable objects in front of the lens could catch on fire.

Note: The **Schedule** setting in the Menu Protection menu must be turned off to schedule an event.

Saving a Scheduled Event
Viewing Scheduled Events
Editing a Scheduled Event

Parent topic: Adjusting Projector Features

Related tasks
Setting a Password
Selecting Password Security Types

Saving a Scheduled Event

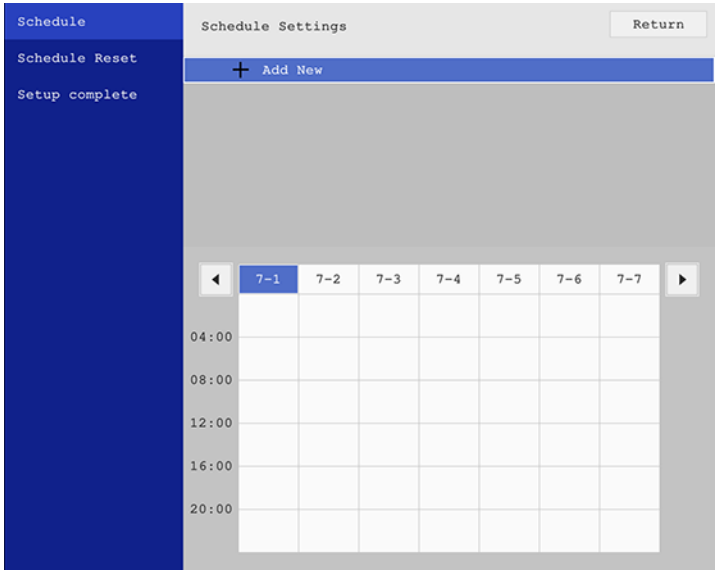
You can select projector commands you want to perform and schedule them as an event.

Note: Light Source Calibration events do not start if the projector is not used continuously for at least 20 minutes, or if the projector is regularly turned off by shutting off the power outlet. Set Light Source Calibration events to occur only after 100 hours of usage.

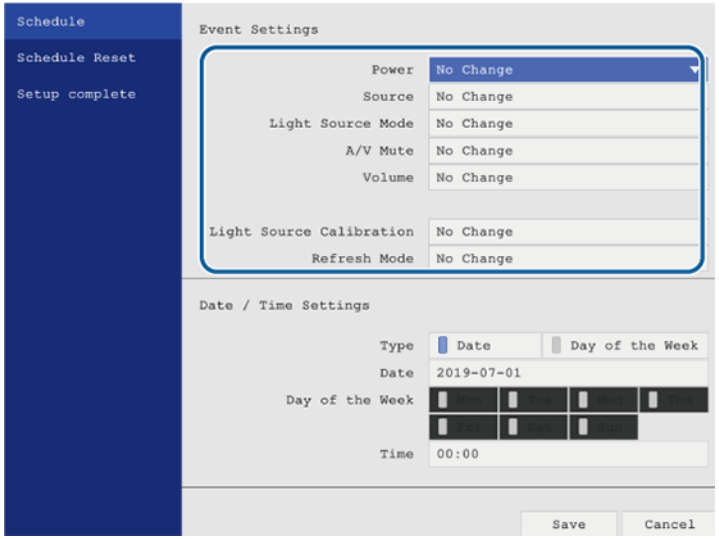
Note: The **Schedule** setting in the Menu Protection menu must be turned off to schedule an event.

1. Set the date and time in the **Management** menu.
2. Press the **Menu** button.
3. Select the **Management** menu and press **Enter**.
4. Select the **Schedule Settings** setting and press **Enter**.
5. Select the **Schedule** menu and press **Enter**.
6. Select **Add New** and press **Enter**.

You see a screen like this:



7. In the Event Settings section, select the events you want to have occur. (Select **No Change** for events that you do not want to occur.)



8. In the Date/Time Settings section, set the date and time for the scheduled events to occur.
9. When you are finished, select **Save** and press **Enter**.
10. To schedule more events, repeat the previous steps as necessary.
11. Select **Setup complete** and press **Enter** to save your changes.

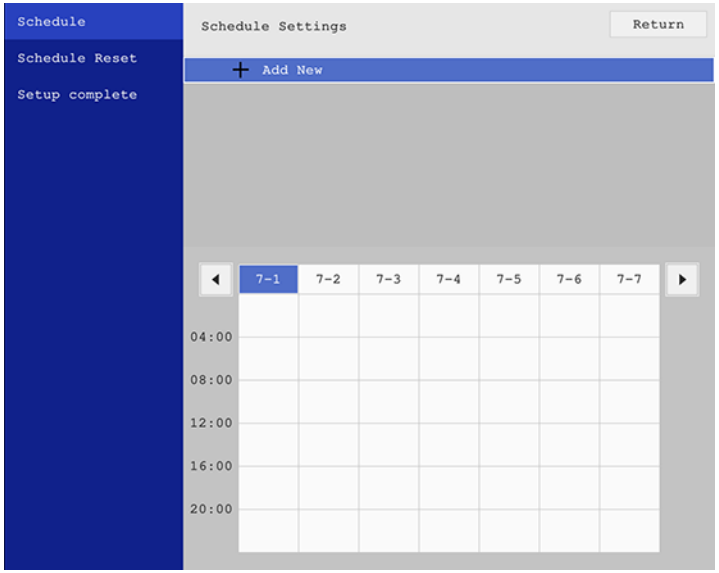
Parent topic: Scheduling Projector Events

Viewing Scheduled Events

You can view your scheduled events on the calendar displayed on the Schedule Settings screen.

1. Press the **Menu** button.
2. Select the **Management** menu and press **Enter**.
3. Select **Schedule Settings** and press **Enter**.
4. Select **Schedule** and press **Enter**.

You see a screen like this:



Colored boxes on the calendar indicate the following:

- One-time event
- Repeating event
- Communication is on or off
- Event is invalid

5. To view an event, press the left and right arrow buttons on the remote to select a day.
   The screen displays the details of the events scheduled for that day. A blue icon indicates an enabled event, a gray icon indicates a disabled event, and the  icon indicates a repeating event.

Parent topic: Scheduling Projector Events

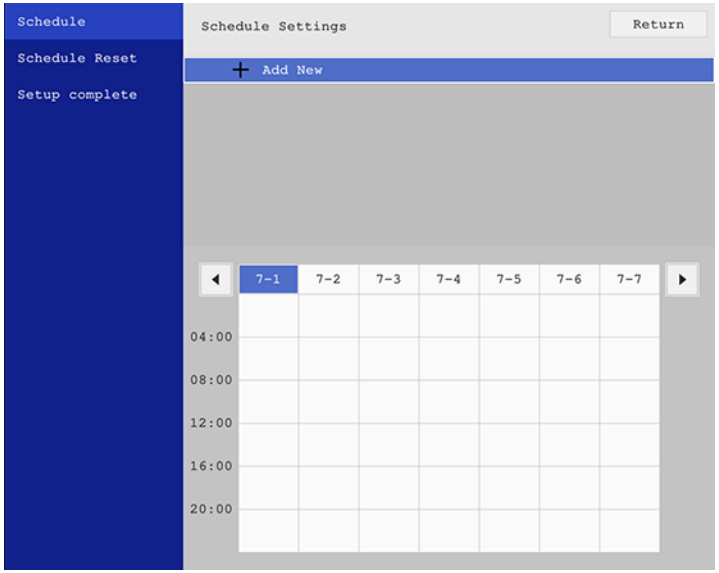
Editing a Scheduled Event

You can edit any currently scheduled event.

1. Press the **Menu** button.

2. Select the **Management** menu and press **Enter**.
3. Select the **Schedule Settings** setting and press **Enter**.

   You see a screen like this:



4. Press the left or right arrow buttons to highlight the date on the calendar containing the scheduled event you want to edit.
5. Press the up or down arrow buttons to highlight the event you want to edit, and press **Enter**.
6. Select one of the following:
   - **Enabled/Disabled** to enable or disable the selected event.
   - **Edit** to edit the settings for the selected event.
   - **Clear** to delete the selected event.
   - **Add New** to add a new scheduled event.
7. When you are finished, select **Return** and press **Enter**.
8. Select **Setup complete** and press **Enter** to save your changes.

Note: To delete all scheduled events, select **Schedule Reset** and select **Yes**.

Parent topic: Scheduling Projector Events

Adjusting the Menu Settings

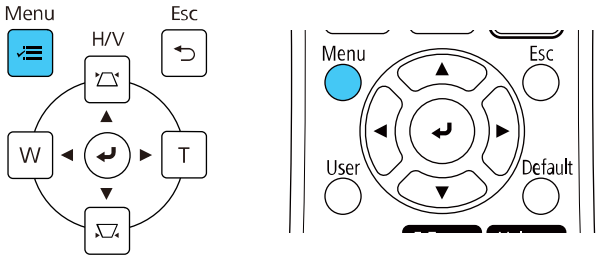
Follow the instructions in these sections to access the projector menu system and change projector settings.

Using the Projector's Menus
Image Quality Settings - Image Menu
Input Signal Settings - Signal I/O Menu
Installation Settings - Installation Menu
Display Settings - Display Menu
Feature Settings - Operation Menu
Administration Settings - Management Menu
Network Settings - Network Menu
Image Quality Memory Settings - Memory Menu
Setup Settings - ECO Menu
Initial Settings and Reset Options - Initial/All Settings Menu

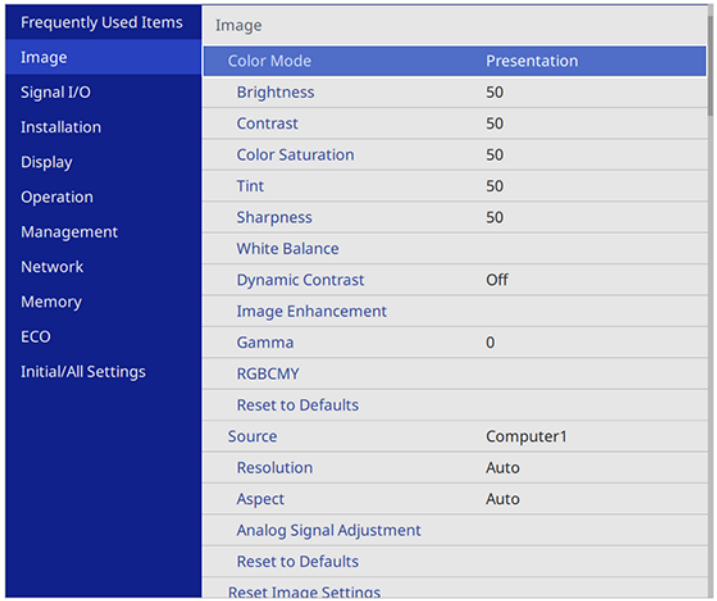
Using the Projector's Menus

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.



You see the menu screen.



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, resolution, or other menu settings.

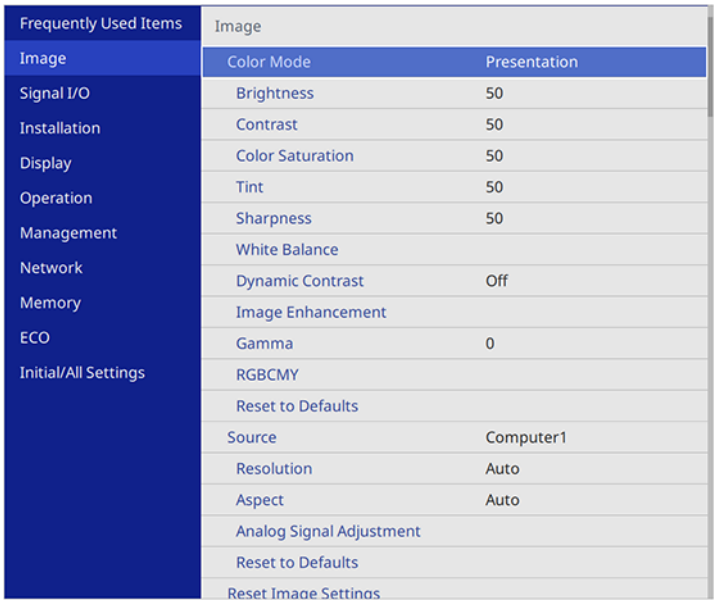
3. To change settings in the displayed menu, press **Enter**.
4. Press the up or down arrow button to move through the settings.
5. Change the settings using the buttons listed on the bottom of the menu screens.
6. To return all the menu settings to their default values, select the **Initial/All Settings** menu.
7. When you finish changing settings on a menu, press **Esc**.
8. Press **Menu** or **Esc** to exit the menus.

Note: The icon indicates that a setting contains sub-settings.

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 color mode and input source.



Color Mode Settings

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

Setting	Options	Description
Tint	Varying levels available	Adjusts the balance of green to magenta tones in the image
Sharpness	Varying levels available	Adjusts the sharpness or softness of image details
White Balance	**Color Temp.** **G-M Correction** **Custom**	Sets the overall color tone of the image **Color Temp.**: sets the color temperature according to the selected color mode; lower values tint the image red, and higher values tint the image blue **G-M Correction**: makes fine adjustments to the color tone; higher values tint the image green and lower values tint the image red **Custom**: adjusts the individual RGB components of the offset and gain
Dynamic Contrast	**Off** **Normal** **High Speed**	Adjusts the projected luminance based on the image brightness

Setting	Options	Description
Image Enhancement	**Image Preset Mode**	Selects preset Image Enhancement settings
	Noise Reduction	Reduces flickering in analog images
	MPEG Noise Reduction	Reduces the noise or static in MPEG video
	Deinterlacing	Sets whether to convert interlaced-to-progressive signals for interlaced video signals (480i/576i/1080i) **Off**: for fast-moving video images **Video**: for most video images **Film/Auto**: for movies, computer graphics, and animation
	Super-resolution	Sharpens blurred images when projecting low-resolution images **Fine Line Adjust**: enhances the contrast and outlines of complicated images **Soft Focus Detail**: enhances the contrast and outlines of smooth backgrounds
	Detail Enhancement	Enhances details to create clear outlines **Strength**: higher settings create a stronger effect **Range**: higher settings increase the affected area around the outline
	Reset	Resets all settings in the Image Enhancement menu
Gamma	**–2** to **2** **Custom**	Adjusts the colors by selecting one of the gamma correction values or referring to a gamma graph

Setting	Options	Description
RGBCMY	Varying levels available	Adjusts the hue, saturation, and brightness for each color
Reset to Defaults	—	Resets all settings for the Color Mode currently selected

Note: The **Brightness** setting does not affect laser brightness. To change the laser brightness mode, use the **Light Source Brightness Control** setting in the Operation menu.

Input Source Settings

To change settings for an input source, make sure the source is connected and select that source.

Note: You can restore the default settings of the **Tracking**, **Sync**, and **Position** settings by pressing the **Auto** button on the remote control.

Setting	Options	Description
Source	—	Displays the current input source selected
Resolution	**Auto** **Normal** **Wide**	Sets the VGA input signal resolution if not detected automatically using the **Auto** option (only for computer inputs)
Aspect	See the list of available aspect ratios	Sets the aspect ratio (width-to-height ratio)

Setting	Options	Description
Analog Signal Adjustment	**Auto Setup** **Tracking** **Sync.** **Position**	Adjusts the signal when **Computer** is the currently selected input source **Auto Setup**: set to **On** to automatically optimize the image quality **Tracking**: adjusts the signal to eliminate vertical stripes in images **Sync**: adjusts signal to eliminate fuzziness or flickering in images **Position**: adjusts the image location on the screen
Reset to Defaults	—	Resets all settings for the currently selected input source

Note: Select **Reset Image Settings** to reset all settings on the Image menu to their default values.

Parent topic: Adjusting the Menu Settings

Related concepts

Image Aspect Ratio

Related references

Feature Settings - Operation Menu

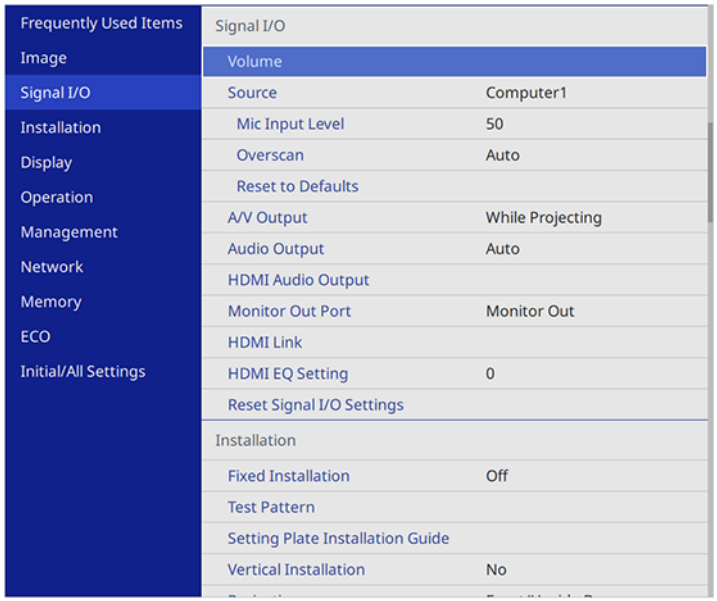
Related tasks

Changing the Color Mode

Turning On Dynamic Contrast

Input Signal Settings - Signal I/O Menu

Normally the projector detects and optimizes the input signal settings automatically. If you need to customize the settings, you can use the Signal I/O menu. The available settings depend on the currently selected input source.



To change settings for an input source, make sure the source is connected and select that source.

Setting	Options	Description
Volume	Varying levels available	Adjusts the volume of the projector's speaker system or external speakers

Setting	Options	Description
Source	**Signal Format** **Mic Input Level** **Overscan** **Reset to Defaults**	Displays settings selected for the current input source **Signal Format**: sets the signal type and video range for certain input sources • **Video Signal**: specifies the signal type from input sources connected to video ports; if interference appears or no image appears when set to **Auto**, select the appropriate signal type • **Video Range**: sets the video range to match the setting of an input source connected to the HDMI ports **Mic Input Level**: adjusts the volume from a microphone when audio is not output to an audio/visual system; when the **Mic Input Level** setting is turned up, the volume of the other connected device is turned down, and when the **Mic Input Level** is turned down, the volume of the other connected device is turned up **Overscan**: changes the projected image ratio to make the edges visible by a selectable percentage or automatically when projecting a component signal **Reset to Defaults**: resets all settings for the current input source

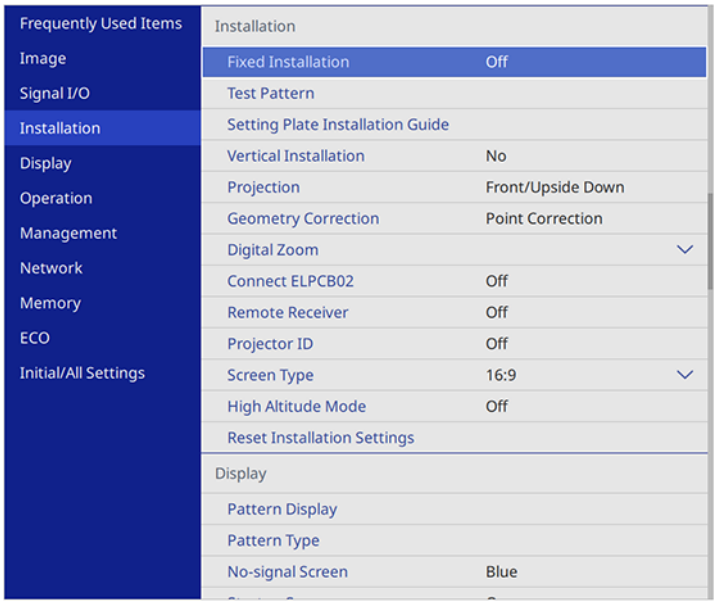
Setting	Options	Description
A/V Output	**While Projecting** **Always On**	Determines when the projector outputs audio and images to external devices; set to **Always On** to output audio and images when the projector is in standby mode. This setting is only displayed when **Quick Startup** is set to **Off** in the projector's Operation menu, **Auto Power On** is set to **Off** in the projector's Network menu, and **Power On Trigger** is set to **Plug-in Detection** in the projector's Operation menu.
Audio Output	**Auto** **Audio** **Audio1** **Audio2**	Sets the audio input port when projecting from input sources other than HDMI, LAN, and Screen Mirroring
HDMI Audio Output	**HDMI1 Audio Output** **HDMI2 Audio Output** **HDMI3 Audio Output**	Sets the audio input port when projecting from one of the HDMI ports
Monitor Out Port	**Monitor Out** **Computer2**	Selects the function of the **Computer2/Monitor Out** port **Monitor Out**: select this option when outputting an image signal to an external monitor **Computer2**: select this option when inputting an image signal from a computer

Setting	Options	Description
HDMI Link	**Device Connections** **HDMI Link** **Audio Out Device** **Power On Link** **Power Off Link**	Adjusts the HDMI Link options that allow the projector or remote to control HDMI-connected devices that support the CEC standard **Device Connections**: lists the devices connected to the **HDMI1**, **HDMI2**, and **HDMI3** ports when **HDMI Link** is enabled **HDMI Link**: enables or disables the HDMI Link feature **Audio Out Device**: selects whether to output audio from the internal speakers or a connected audio/visual system **Power On Link**: controls what happens when you turn on the projector or a linked device • **Bidirectional**: automatically turns on the connected device when you turn on the projector, and vice versa • **Device -> PJ**: automatically turns on the projector when you turn on the connected device • **PJ -> Device**: automatically turns on the connected device when you turn on the projector **Power Off Link**: controls whether linked devices are turned off when the projector is turned off
HDMI EQ Setting	1, 2, or 3	Adjusts the HDMI input signal level depending on the devices connected to the HDMI port. Change the setting if there is a lot of interference in the image or if no image is projected.
Reset Signal I/O Settings		Resets all settings on the Signal I/O menu to their default values

Parent topic: Adjusting the Menu Settings

Installation Settings - Installation Menu

Settings on the Installation menu let you set up your projector for your installation environment. The available settings depend on the currently selected input source and other settings.



Setting	Options	Description
Fixed Installation	**On** **Off**	Set to **On** if you installed the projector in a fixed location
Test Pattern	—	Displays a test pattern to assist in focusing and zooming the image and correcting image shape
Setting Plate Installation Guide	—	Displays an on-screen guide to assist with installing the projection screen when you have installed the projector on a wall

Setting	Options	Description
Vertical Installation	**Yes** **No**	Set to **Yes** if you installed the projector in a vertical position
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
Geometry Correction	**H/V-Keystone** **Quick Corner** **Arc Correction** **Point Correction** **Memory**	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 **Point Correction**: select to divide the projected image into a grid and correct distortion by moving a selected point **Memory**: controls memory functions for current image shape settings • **Save Memory**: saves the current image shape as a memory setting • **Load Memory**: loads a saved image shape memory • **Rename Memory**: renames a saved image shape memory • **Erase Memory**: deletes a saved image shape memory • **Reset Memory**: resets all the image shape memory settings
Digital Zoom	Varying levels available	Adjusts the size of the projected image
Image Shift	Varying positions available	Adjusts the position of the projected image

Setting	Options	Description
Connect ELPCB02	**On** **Off**	Set to **On** to switch the input source between the **HDMI2** port and **HDMI3** port each time you press the **HDMI2** button on the optional interface box
Remote Receiver	**Front/Rear** **Front** **Rear** **Off**	Limits reception of remote control signals by the selected receiver; **Off** turns off all receivers
Projector ID	**Off** 1 through 9	Assigns an ID for the projector when you use multiple projectors
Screen Type	**4:3** **16:9** **16:10**	Sets the aspect ratio to fit the image on the projection surface
Screen Position	Varying positions available	Shifts the image position on the screen (only available if the **Screen Type** setting is not set to the same aspect ratio as the projector's native resolution)
High Altitude Mode	**On** **Off**	Regulates the projector's operating temperature at altitudes above 4921 feet (1500 m)
Reset Installation Settings	—	Resets all settings on the Installation menu to their default values except for the following: • **Digital Zoom** • **Image Shift**

Parent topic: Adjusting the Menu Settings

Related tasks

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

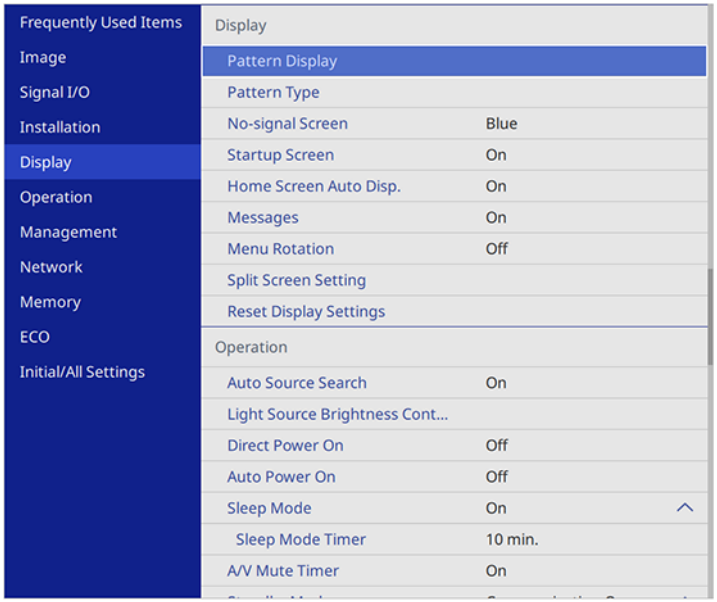
Correcting Image Shape with Quick Corner
Adjusting the Image Position
Locking the Projector's Buttons
Unlocking the Projector's Buttons

Related topics

Setting Up the Projector

Display Settings - Display Menu

Settings on the Display menu let you customize various projector display features. The available settings depend on the currently selected input source and other settings.



Setting	Options	Description
Pattern Display	—	Displays the selected pattern type to assist in adjusting the image

Setting	Options	Description
Pattern Type	**Pattern 1** **Pattern 2** **Pattern 3** **Pattern 4** **User Pattern**	Selects the type of grid pattern, line pattern, or custom pattern to display
No-signal Screen	**Black** **Blue** **Logo** **Gradation**	Select the screen color or logo to display when no input signal is detected
Startup Screen	**On** **Off**	Controls whether a logo is displayed when the projector starts up
Home Screen Auto Disp.	**On** **Off**	Controls whether the Home screen is displayed automatically when no input signal is detected when the projector turns on; this setting is only displayed when **Connection Guide Display** is set to **Off** in the projector's Network menu
Messages	**On** **Off**	Controls whether projector status and error messages are displayed on the projected image
Menu Rotation	**Right 90 Degree** **Left 90 Degree** **Off**	Rotates the menu display 90°
Menu Color	**White** **Black**	Sets the color theme of the Home screen and projector menu system

Setting	Options	Description
Split Screen Setting	**Display Audio Output Source** **Align**	Adjusts the Split Screen feature; only available when **Connect ELPCB02** is disabled **Display Audio Output Source**: controls whether an icon is displayed with the source providing audio output during Split Screen projection **Align**: if splitting the screen between two images, determines whether the images are aligned at the top or in the middle of the screen
Reset Display Settings	—	Resets all settings on the Display menu to their default values

Note: You must disable User's Logo password protection to adjust the **No-signal Screen** and **Startup Screen** settings.

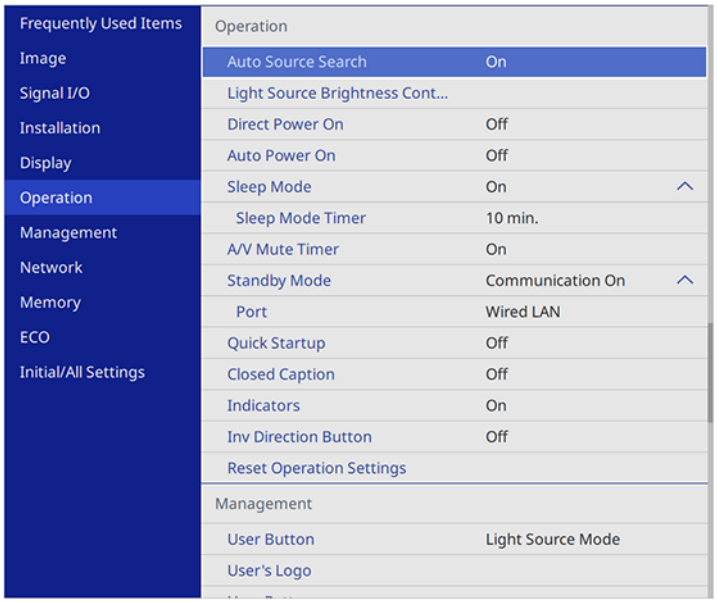
Parent topic: Adjusting the Menu Settings

Related tasks

Creating a User Pattern to Display

Feature Settings - Operation Menu

Settings on the Operation menu let you customize various projector features that control its operation. The available settings depend on the currently selected input source and other settings.



Setting	Options	Description
Auto Source Search	**On** **Off**	Enables the projector to automatically select an input source

Setting	Options	Description
Light Source Brightness Control	**Maintain Brightness** **Maintain Brightness Level** **Estimated Remains** **Light Source Mode** **Brightness Level**	Controls the constant brightness of the projector's light source **Maintain Brightness**: maintains a constant brightness **Maintain Brightness Level**: selects the brightness level to maintain when the **Maintain Brightness** setting is enabled **Estimated Remains**: if the **Maintain Brightness** setting is enabled, displays the remaining number of hours the projector can maintain constant brightness **Light Source Mode**: selects the brightness mode of the projector when the **Maintain Brightness** setting is disabled • **Normal**: maximum brightness • **Quiet**: 70% brightness with reduced fan noise • **Extended**: 70% brightness and extends the life expectancy of the light source • **Custom**: select a custom brightness level and enable use of the next setting **Brightness Level**: select the **Custom** brightness level you want
Direct Power On	**On** **Off**	Controls whether the projector automatically turns on when you plug it in

Setting	Options	Description
Auto Power On	**HDMI1** **Computer1** **USB Display** **Off**	Selects whether to automatically turn on the projector when you connect an input signal to a specific input source; adjust the **Power On Trigger** setting to change the power on settings for the **HDMI1** option.
Power On Trigger	**Plug-in Detection** **Signal Detection**	Selects the power on condition when **Auto Power On** is set to **HDMI1**: • **Plug-in Detection**: automatically turns on the projector when the device connected to the **HDMI1** port is turned on • **Signal Detection**: automatically turns on the projector when it detects an HDMI video signal on the **HDMI1** port; selecting this option increases standby power consumption
Sleep Mode	**On** **Off**	Automatically turns off the projector after an interval of inactivity
Sleep Mode Timer	1 to 30 minutes	Sets the time before the projector automatically turns off (**Sleep Mode** must be turned on)
A/V Mute Timer	**On** **Off**	Automatically turns off the projector after 30 minutes of inactivity

Setting	Options	Description
Standby Mode	**Communication On** **Communication Off**	Enable this setting to allow monitoring and control of the projector over a network when the projector is in standby mode; this setting is only displayed when **A/V Output** is set to **While Projecting** in the projector's Signal I/O menu, **Power On Trigger** is set to **Plug-in Detection** in the projector's Operation menu, and **Auto Power On** is set to **Off** in the projector's Network menu.
Port	**Wired LAN** **Wireless LAN**	Selects the port to use while the **Standby Mode** setting is set to **Communication On**
Quick Startup	**Off** **20min.** **60min.** **90min.**	Sets the time period for which you want to be able to restart the projector within five seconds of turning it off (Quick Start mode). It may take longer than five seconds when projecting from the projector's USB port or when using the Screen Mirroring features. This setting is only displayed when **A/V Output** is set to **While Projecting** in the projector's Signal I/O menu, **Power On Trigger** is set to **Plug-in Detection** in the projector's Operation menu, and **Auto Power On** is set to **Off** in the projector's Network menu.
Indicators	**On** **Off**	Enables or disables the status indicator lights on the projector

Setting	Options	Description
Inv Direction Button	**On** **Off**	Enable this setting if you want to invert the direction of the arrow buttons on the control panel to match the projector's installation position
Reset Operation Settings	—	Reset all settings on the Operation menu to their default values

Parent topic: Adjusting the Menu Settings

Related tasks

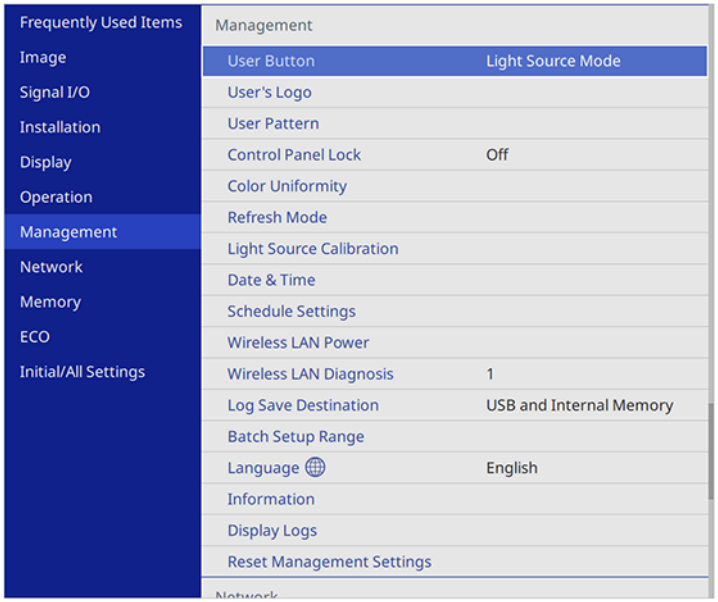
Turning On the Projector

Turning Off the Projector

Selecting a Quick Startup Setting

Administration Settings - Management Menu

Settings on the Management menu let you customize various projector administrative features.



Note: You must disable Schedule password protection to adjust the **Schedule Settings** settings.

Setting	Options	Description
User Button	**Light Source Mode** **Information** **Deinterlacing** **Closed Caption** **Resolution** **Mic Input Level** **Pattern Display** **Display LAN Info.** **Setting Plate Installation Guide**	Assigns a menu option to the **User** button on the remote control for one-touch access
User's Logo	**Start Setting** **Reset**	Creates the screen that the projector displays to identify itself and enhance security
User Pattern	—	Captures a projected screen and saves it as a pattern for display; select **Pattern Display** in the Display menu to display the saved pattern
Control Panel Lock	**Full Lock** **Except for Power** **Off**	Controls projector button locking to secure the projector **Full Lock**: locks all buttons **Except for Power**: locks all buttons except the power button **Off**: no buttons locked

Setting	Options	Description
Color Uniformity	**Color Uniformity** **Adjustment Level** **Start Adjustments** **Reset**	Adjusts the color tone balance **Color Uniformity**: set to **On** to adjust the color tone balance for the whole screen **Adjustment Level**: sets the adjustment level **Start Adjustments**: adjusts the red, green, and blue color tones individually for the selected area **Reset**: resets all Color Uniformity adjustment values to their defaults
Refresh Mode	**Timer** **Messages** **Start**	Select **Start** to clear an afterimage that remains in the projected image and turn off the projector after the time specified in the **Timer** screen. Press any button to cancel Refresh Mode. Enable the **Messages** setting if you want to display a message when Refresh Mode is in progress.

Setting	Options	Description
Light Source Calibration	**Run Now** **Run Periodically** **Last Run**	Selects options to perform light source calibration to maintain the color balance of the projected image **Run Now**: Select **On** to start light source calibration now. Make sure the projector has been turned on for at least 30 minutes for maximum accuracy. You may not be able to start calibration if the projector's environmental temperature is out of range. **Run Periodically**: Select **On** to perform calibration every 100 hours of usage **Last Run**: Displays the date and time light source calibration was last performed
Date & Time	**Date & Time** **Daylight Saving Time** **Internet Time**	Adjusts the projector's date and time settings • **Date & Time**: sets the date and time on the projector • **Daylight Saving Time**: enables daylight saving time • **Internet Time**: updates the time automatically via an online time server
Schedule Settings	—	Schedules projector events to occur automatically at selected dates and times
Wireless LAN Power	**On** **Off**	Enables or disables wireless communication

Setting	Options	Description
Wireless LAN Diagnosis	**Ping** **IP Address** **Ping until stopped** **Start**	Displays the status of the wireless LAN communication
Log Save Destination	**Internal Memory** **USB and Internal Memory**	Selects where you want to save projector error and operation log files
Batch Setup Range	**All** **Limited**	Selects which projector menu settings to copy using the batch setup feature; select **All** to copy all the settings, or select **Limited** to copy all settings except for the following: • **Password Protection** settings • **Network** menu settings
Language	Various languages available	Selects the language for projector menu and message displays

Setting	Options	Description
Information	**Operation Hours** **Light Source Hours** **Estimated Remains** **Source** **Input Signal** **Resolution** **Refresh Rate** **Sync Info** **Video Signal** **Status** **Serial Number** **Event ID** **Version**	Displays information about the projector and current input signal; the displayed items vary depending on the current input source The **Version** option displays version numbers for the projector and other components
Display Logs	**Temp Warning Info** **Power On/Off History**	Displays log data saved to the location specified in the **Log Save Destination** setting
Reset Management Settings	—	Resets all settings on the Management menu to their default values except for the following: • **Schedule Settings** • **Language**

Event ID Code List

Parent topic: Adjusting the Menu Settings

Related tasks

Setting the Date and Time
Selecting the Language for the Projector Menus
Saving a Scheduled Event
Viewing Scheduled Events

Editing a Scheduled Event
Adjusting Color Uniformity

Event ID Code List

If the **Event ID** option on the Information screen in the Management 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
0026	A screen mirroring communication error has occurred. Turn the projector off and on again, or restart the network software.
0032	
0036	
0037	
0027	Unstable screen mirroring communication. Check the network communication status, wait a few moments, and try connecting to the network again.
0028	
0029	
0030	
0031	
0035	
0023	Connection failed. If you see the PIN entry screen on your computer, enter the PIN code displayed on the network information screen or at the bottom right of the projected image. If this does not solve the problem, restart the projector and the connected devices, and then check the connection settings.
0024	
0025	
0043	The video format is not supported. Change the resolution of the mobile device and reconnect. Alternatively, change the **Adjust Image Quality** setting for the projector and reconnect.
0432	The network software did not start. Turn the projector off and then on again.
0435	
0433	Cannot display the transferred images. Restart the network software.

Event ID code	Cause and solution
0434	Unstable network communication. Check the network communication status, wait a few moments, and try connecting to the network again.
0481	
0482	
0485	
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/WPA3 authentication type does not match. Make sure the wireless network security settings are correct.
0893	The WEP/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.
0895	Communication with a connected device was disconnected. Check your device's connection status.
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.
089A	The EAP authentication type does not match the network. Check the wireless LAN security settings and make sure that the security certificate is installed correctly.
089B	EAP server authentication failed. Check the wireless LAN security settings and make sure that the security certificate is installed correctly.
089C	EAP client authentication failed. Check the wireless LAN security settings and make sure that the security certificate is installed correctly.

Event ID code	Cause and solution
089D	Key exchange failed. Check the wireless LAN security settings and make sure that the security certificate is installed correctly.
0920	The internal battery that saves the projector's date and time settings is running low. Contact Epson for help.
0B01	The internal storage could not be detected correctly. Turn off the projector and disconnect the power cord, then reconnect the power cord and turn the projector back on. When the projector is turned on, the security certificate and address book are deleted. If that does not solve the problem, contact Epson for help.
0BFF	An error has occurred in the whiteboard function. Restart the projector.

Parent topic: Administration Settings - Management Menu

Related references

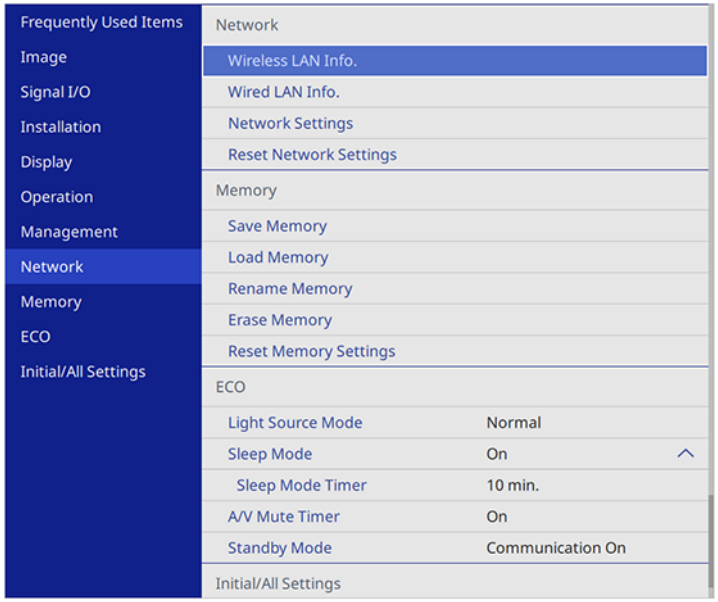
Network Settings - Network Menu

Related tasks

Setting Up Wireless Network Security

Network Settings - Network Menu

Settings on the Network menu let you view network information and set up the projector for control over a network.



Note: You must disable Network password protection to adjust the network settings.

Setting	Options	Description
Wireless LAN Info.	**Projector Name** **Wireless LAN**	Displays wireless network status and details when the wireless LAN module is installed or when the **Simple AP** setting is disabled The **Wireless LAN** option displays the following: • **Antenna level** • **SSID** • **Channel** • **DHCP** • **IP Address** • **Subnet Mask** • **Gateway Address** • **DNS Server 1** • **DNS Server 2** • **MAC Address** • **Region Code**
Wired LAN Info.	**Projector Name** **DHCP** **IP Address** **Subnet Mask** **Gateway Address** **MAC Address**	Displays wired network status and details
Network Settings	—	Configures your network settings
Reset Network Settings	—	Resets all settings on the Network menu to their default values

Parent topic: Adjusting the Menu Settings

Related concepts

Wired Network Projection

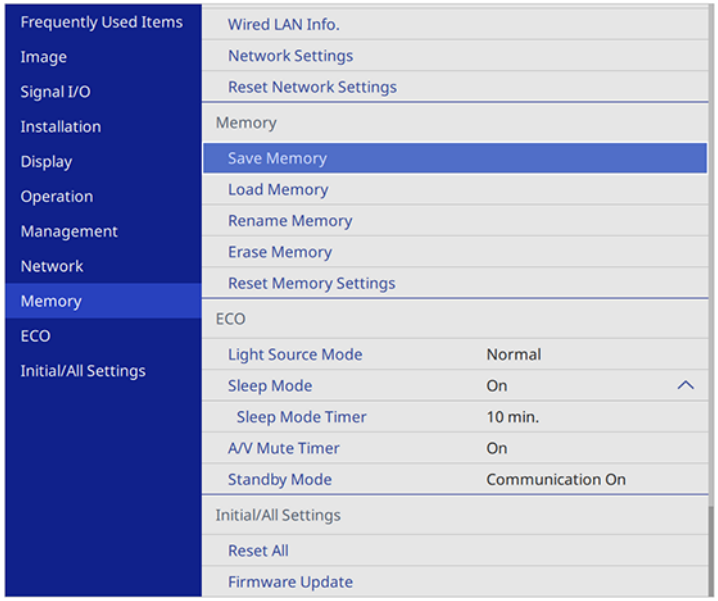
Wireless Network Projection

Related references

Wireless LAN Menu Settings

Image Quality Memory Settings - Memory Menu

Settings on the Memory menu let you save and load image quality settings in the projector's memory.



Setting	Options	Description
Save Memory	Memory 1 to 10	Lets you save the current image quality settings to memory
Load Memory	Memory 1 to 10	Loads a saved image quality setting memory
Rename Memory	Memory 1 to 10	Renames a saved image quality setting memory

Setting	Options	Description
Erase Memory	Memory 1 to 10	Deletes a saved image quality setting memory
Reset Memory	—	Resets all the image quality setting memory settings

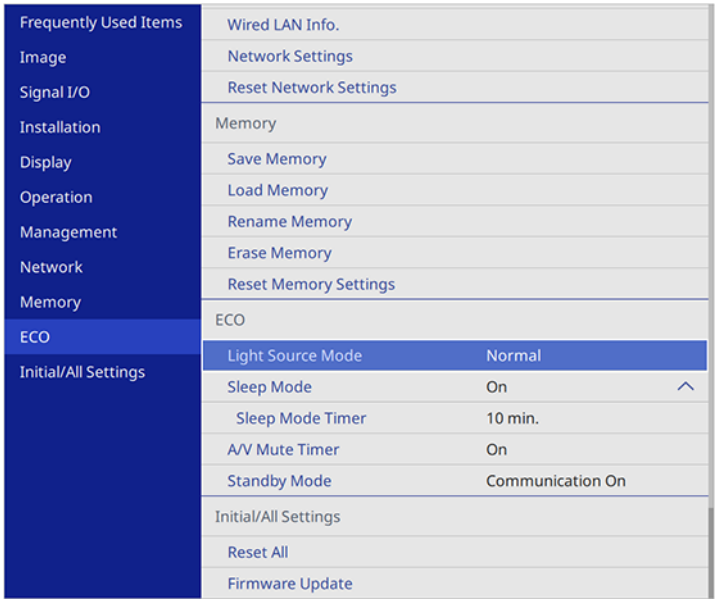
Parent topic: Adjusting the Menu Settings

Related tasks

Saving Settings to Memory and Using Saved Settings

Setup Settings - ECO Menu

Settings on the ECO menu let you customize projector functions to save power.



Setting	Options	Description
Light Source Mode	**Normal** **Quiet** **Extended** **Custom**	Selects the brightness mode of the projector when the **Maintain Brightness** setting is disabled **Normal**: maximum brightness **Quiet**: 70% brightness with reduced fan noise **Extended**: 70% brightness and extends the life expectancy of the light source **Custom**: select a custom brightness level and enable use of the next setting
Sleep Mode	**On** **Off**	Automatically turns off the projector 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 **While Projecting** to enable **Standby Mode**; A/V Output can be changed once this is enabled)

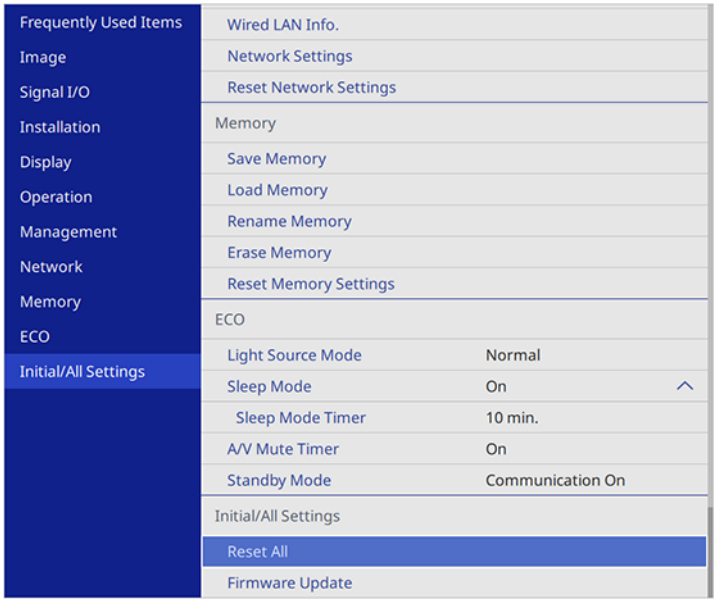
Parent topic: Adjusting the Menu Settings

Related references

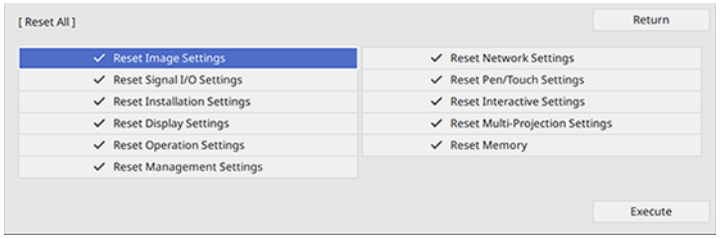
Projector Light Source Specifications

Initial Settings and Reset Options - Initial/All Settings Menu

You can reset most of the projector settings to their default values using the **Reset All** option on the Intial/All Settings menu.



When you select the **Reset All** option, you see this screen:



Checkmarks appear next to the menu settings that are selected to be reset. If you do not want to reset settings in some menus, deselect them. When you are ready, select **Execute** and press **Enter**.

You cannot reset the following settings using the **Reset All** option:

- Digital Zoom
- Image Shift
- User Pattern
- Language

Note: See the link below for details on updating the projector's firmware.

Parent topic: Adjusting the Menu Settings

Related concepts

Updating the Firmware

Maintaining and Transporting the Projector

Follow the instructions in these sections to maintain your projector and transport it from place to place.

Projector Maintenance
Air Filter and Vent Maintenance
Replacing the Remote Control Batteries
Updating the Firmware
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 air filter and remote control batteries. If any other part needs replacing, contact Epson or an authorized Epson servicer.

This projector uses a sealed laser light source which does not need servicing and cannot be replaced.

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

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 may cause a fire.

  Caution: Do not use canned air, or the gases may leave a flammable residue. Do not use glass cleaner or any harsh materials to clean the projection window and do not subject the projection window to any impacts or you may damage it.

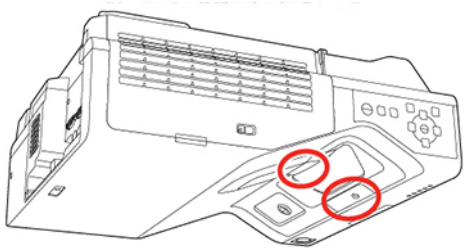
Parent topic: Projector Maintenance

Related tasks

Turning Off the Projector

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.



- 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 may cause a fire.

  Caution: Do not use canned air, or the gases may leave a flammable residue.

Parent topic: Projector Maintenance

Related tasks

Turning Off the Projector

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 flammable residue.

Parent topic: Projector Maintenance

Related tasks

Turning Off the Projector

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 laser.

Damage due to the failure to properly maintain the projector or its filter may not be covered by the projector's Limited Warranty.

Cleaning the Air Filter and Vents

Replacing the Air Filter

Parent topic: Maintaining and Transporting the Projector

Related references

Projector Light Source Specifications

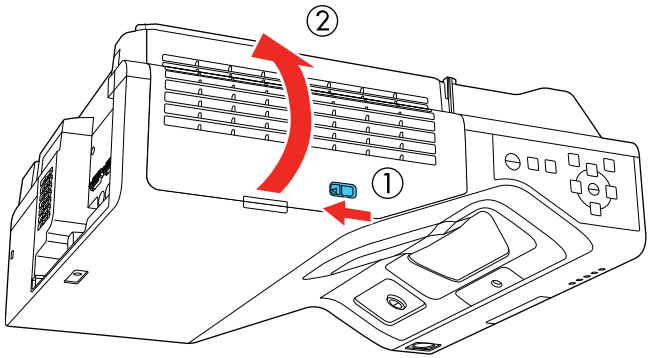
Projector Light Status

Cleaning the Air Filter and Vents

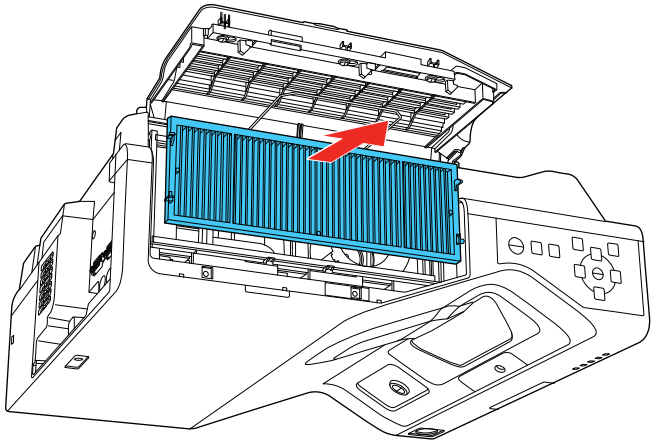
Clean the projector's air filter or vents if they get dusty, or if you see a message telling you to clean them.

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.

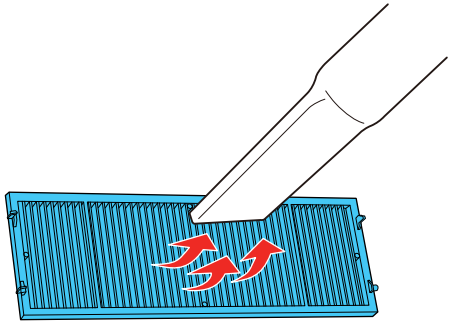
1. Turn off the projector and unplug the power cord.
2. Slide the air filter cover latch and open the air filter cover.



3. Pull the air filter out of the projector.

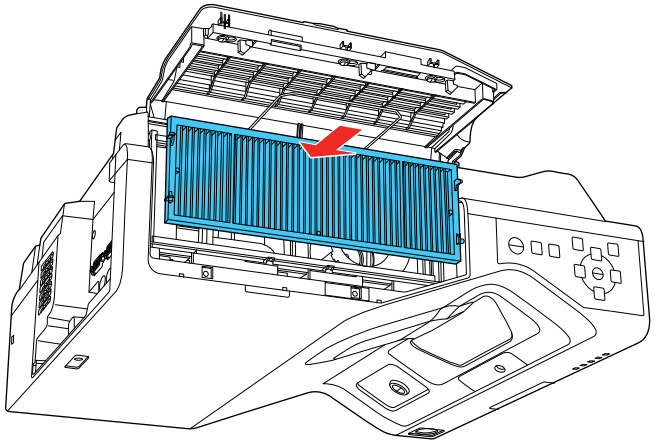


4. Vacuum the front of the air filter (the side with the tabs) to remove any remaining dust.



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.



6. Close the air filter cover and slide the latch.

Parent topic: Air Filter and Vent Maintenance

Related tasks

Turning Off the Projector

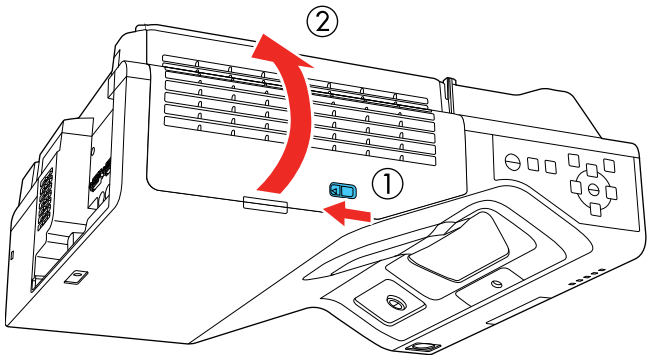
Replacing the Air Filter

You need to replace the air filter in the following situations:

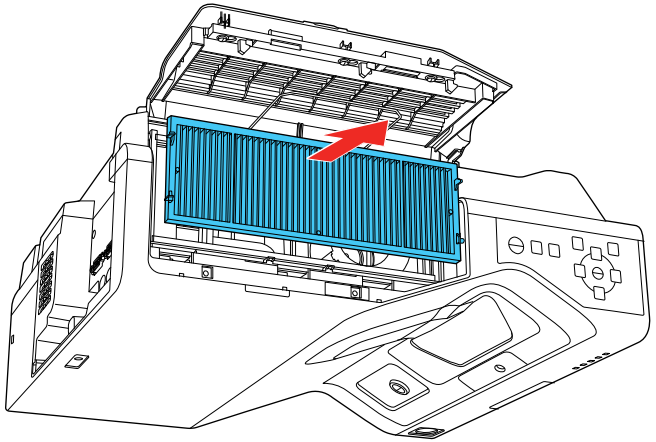
- After cleaning the air filter, you see a message telling you to clean or replace it
- The air filter is torn or damaged

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.

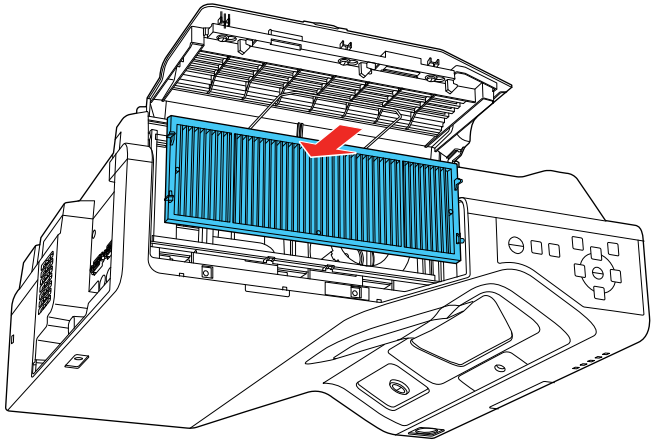


3. Pull the air filter out of the projector.



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.



5. Close the air filter cover and slide the latch.

Parent topic: Air Filter and Vent Maintenance

Related tasks

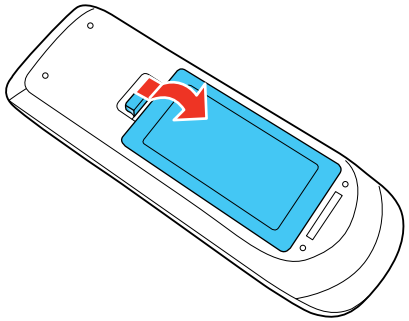
Turning Off the Projector

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.

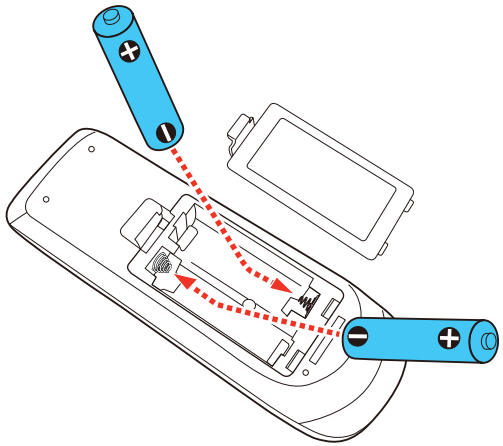
1. Remove the battery cover as shown.



2. Remove the old batteries.

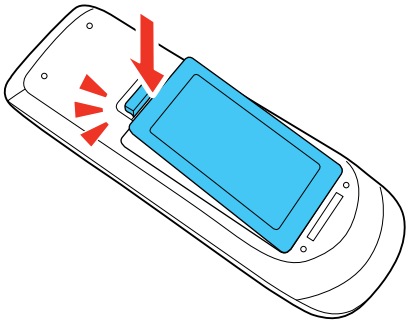
   Warning: If the battery fluid has leaked, wipe it away with a soft cloth and avoid getting the fluid on your hands. If it gets on your hands, wash them immediately to avoid injury.

3. Insert the batteries with the **+** and **–** ends facing as shown.



   Warning: Make sure the batteries are inserted in the correct positions. If the batteries are not inserted correctly, they could explode or leak, causing a fire, injury, or damage to the product.

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



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: Maintaining and Transporting the Projector

Updating the Firmware

You can update the projector's firmware using a USB storage device or a computer and a USB cable.

If a firmware update is available for your product, you can select the **Firmware Update** option in the projector's Initial/All Settings menu. The projector enters firmware update mode and is ready to perform a firmware update. If a firmware update file is not found, the projector enters standby mode.

You can contact Epson Support or use the Epson Projector Management software to check for firmware updates for your product. For more information, contact Epson Support.

Parent topic: Maintaining and Transporting the Projector

Related references

Where to Get Help (U.S. and Canada)
Where to Get Help (Latin America)

Transporting the Projector

The projector contains precision parts, some of which are glass. Follow the guidelines here to transport, ship, or store the projector safely.

1. Remove any equipment connected to the projector.

2. Turn off the projector.
3. Make sure the ⏻ power light is blue (but not flashing) and the status light is off, then unplug the power cord.
4. Do one of the following:
   - 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 Menu Displays
Solving Image or Sound Problems
Solving Projector or Remote Control Operation Problems
Solving Network Problems
Where to Get Help (U.S. and Canada)
Where to Get Help (Latin America)

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 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

Related references

Where to Get Help (U.S. and Canada)
Where to Get Help (Latin America)
Projector Light Status

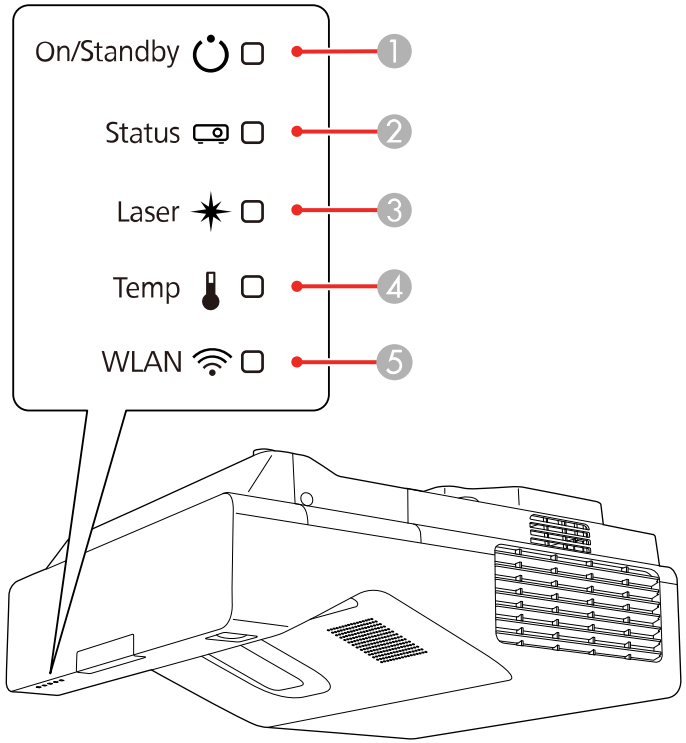
Related tasks

Cleaning the Projection Window
Cleaning the Air Filter and Vents
Replacing the Air Filter
Turning On the Projector
Turning Off the Projector

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.

Note: If the **Indicators** setting in the **Operation** menu is **Off**, all lights are off under normal projection conditions.



1 On/Standby light
2 Status light
3 Laser light
4 Temp (temperature) light

5 Wireless LAN light

On/Standby light	Status light	Laser light	Temp light	Status and solution
Blue	Blue	Off	Off	Normal operation.
Blue	Flashing blue	Off	Off	Warming up. Wait for an image to appear.
				Shutting down. (When the Status light stops flashing, you can unplug the projector.)
Blue	Off	Off	Off	In standby, sleep mode, or monitoring.
Flashing blue	Off	Off	Off	Preparing for monitoring or quick startup mode; all features are disabled.
Flashing blue	Varies	Varies	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.

On/Standby light	Status light	Laser light	Temp light	Status and solution
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. • Make sure the environmental temperature is not too hot. • 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	Laser warning. Turn the projector off, unplug it, and contact Epson for help.
Off	Flashing blue	Orange	Off	Laser has a problem. Turn the projector off, unplug it, and contact Epson for help.
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	Off	Internal projector error. Turn the projector off, unplug it, and contact Epson for help.
Varies	Flashing blue	Flashing orange	Varies	Refresh Mode is in progress.

Wireless LAN Light Status

The Wireless LAN light indicates the following:

- **Blue**: Wireless LAN connection is available and operating normally.
- **Flashing blue (quickly)**: Connecting to a device or communicating.
- **Flashing blue (slowly)**: An error has occurred. Turn off the projector and restart it.
- **Off**: Wireless LAN connection is not available. Make sure the **Wireless LAN Power** setting is set to **On** in the projector's **Management** menu.

Note: If the lights display a pattern not listed in the tables above, turn the projector off, unplug it, and contact Epson for help.

Parent topic: Solving Problems

Related references

Where to Get Help (U.S. and Canada)
Where to Get Help (Latin America)
Feature Settings - Operation Menu
Administration Settings - Management Menu

Using the Projector Menu Displays

The projector displays descriptions in the menu system to help you navigate the projector's settings. The descriptions appear on the right side of the screen as you scroll the menu settings.

Parent topic: Solving Problems

Solving Image or Sound Problems

Check the solutions in these sections if you have any problems with projected images or sound.

Solutions When No Image Appears
Solutions When Image is Incorrect Using the USB Display Function
Solutions When "No Signal" Message Appears
Solutions When "Not Supported" Message Appears
Solutions When Only a Partial Image Appears
Solutions When the Image is Not Rectangular
Solutions When the Image Contains Noise or Static
Solutions When the Image is Fuzzy or Blurry
Solutions When the Image Brightness or Colors are Incorrect

Solutions When an Afterimage Remains On the Projected Image
Solutions to Sound Problems
Solutions to Microphone Problems

Parent topic: Solving Problems

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 your device is connected via a video scaler or wall plate, connect it directly to your projector.
- If you connected your video source to the **Computer2/Monitor Out** port, make sure you set the **Monitor Out Port** setting to **Computer2**.
- Make sure the image being projected is not completely black (only when projecting computer images).
- 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 displays, there may be a problem with the connected video source, cable connection, or port.
- Adjust the **Brightness** setting on the Image menu.
- Adjust the brightness of your projector's light source.
- Check the Display menu to make sure the **Messages** setting 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.
- 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.
- If the other solutions do not solve the problem, reset all of the projector settings using the options on the **Initial/All Settings** menu.

Parent topic: Solving Image or Sound Problems

Related references

Display Settings - Display Menu
Setup Settings - ECO Menu
Input Signal Settings - Signal I/O Menu
Image Quality Settings - Image Menu

Related tasks

Selecting an Image Source
Unlocking the Projector's Buttons
Shutting Off the Picture and Sound Temporarily

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.
- Press the **Source Search** button on the remote control or control panel, and select **USB Display**.
- Make sure the USB Display software has installed correctly. Install it manually if necessary.
- Make sure your computer is connected to the **USB-B** port on the projector.
- On a Mac, select the **USB Display** icon in the Dock or from the **Applications** folder. If you select Exit from the USB Display icon menu in the Dock, USB Display does not start automatically when you connect the USB cable.
- 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 Windows computer.
- Turn off the **Transfer layered window** setting in the Epson USB Display Settings program on your computer.
- If you change the computer resolution during projection, the video quality and performance may decline.
- 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/support (U.S.), epson.ca/support (Canada), or latin.epson.com/support (Caribbean) and select your projector.

Parent topic: Solving Image or Sound Problems

Related references

Input Signal Settings - Signal I/O Menu

Related tasks

Selecting an Image Source

Connecting to a Computer for USB Video and Audio

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.
- 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 you are projecting from an HDMI source, replace the HDMI cable with a shorter one.
- Connect the video source directly to the projector.
- Try a different video cable.
- If the other solutions do not solve the problem, reset all of the projector settings using the options on the **Initial/All Settings** menu.

Displaying From a PC Laptop

Displaying From a Mac Laptop

Parent topic: Solving Image or Sound Problems

Related tasks

Selecting an Image Source

Connecting to an External Computer Monitor

Related topics

Connecting to Computer Sources

Connecting to Video Sources

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 **Clone**, **Mirror**, or **Duplicate**.

Parent topic: Solutions When "No Signal" Message Appears

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

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 I/O 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.)

Parent topic: Solving Image or Sound Problems

Related references

Input Signal Settings - Signal I/O Menu

Solutions When Only a Partial Image Appears

If only a partial computer image appears, try the following solutions:

- For VGA connections, press the **Auto** button on the remote control to optimize the image signal.
- Make sure you selected the correct **Screen Type** setting in the projector's Installation menu for the screen you are using. If there are margins between the edge of the image and the projected screen frame, use the **Screen Position** setting to adjust the position of the image.
- Make sure the **Resolution** setting in the Image menu is set correctly for the input signal.
- 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 in the Installation menu.
- Try adjusting the image position using the **Image Shift** setting.

Parent topic: Solving Image or Sound Problems

Related references

Input Signal Settings - Signal I/O Menu
Installation Settings - Installation Menu
Image Quality Settings - Image Menu

Related tasks

Changing the Image Aspect Ratio
Zooming Into and Out of Images

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 screen, lining up the lens with the center of the screen, if possible.
- Use the **Image Shift** setting to adjust the image position, rather than moving the projector.
- Press the keystone buttons on the projector to adjust the image shape.

- Adjust the image shape using the individual **Geometry Correction** settings in the Installation menu.

  Note: If the projector is mounted on the wall, always use the adjustment dials on the mount to center the image.

Parent topic: Solving Image or Sound Problems

Related references

Installation Settings - Installation Menu

Image Quality Settings - Image Menu

Related tasks

Correcting Image Shape with Arc Correction

Correcting Image Shape with the Keystone Buttons

Correcting Image Shape with Quick Corner

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
- Make sure you selected the correct **Signal Format** setting in the projector's Signal I/O menu, if available for your image source.
- Adjust the **Noise Reduction**, **MPEG Noise Reduction**, and **Deinterlacing** settings in the projector's Image menu.
- If available for your video source, select **Auto** as the **Resolution** setting in the Image menu.
- Select a computer video resolution and refresh rate that are compatible with the projector.
- 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 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 connected an extension power cable, try projecting without it to see if it caused interference in the signal.
- 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 I/O Menu
Supported Video Display Formats
Image Quality Settings - Image Menu

Related topics

Connecting to Video Sources
Connecting to Computer Sources

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 projection window 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.
- Make sure your screen is flat. Try projecting on another surface.
- Verify that the throw distance from the projector to your projection surface meets the specifications in your projector's online *Installation Guide*.
- 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 or adjust the computer's resolution to match the projector's native resolution, if possible.

Parent topic: Solving Image or Sound Problems

Related references

Image Quality Settings - Image Menu

Related tasks

Cleaning the Projection Window

Focusing the Image

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**, **White Balance**, **Color Saturation** and **RGBCMY**.
- Make sure you selected the correct **Signal Format** setting in the Signal I/O menu, if available for your video source.
- Set the **Video Range** setting in the Signal I/O menu to **Auto**, 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.
- Position the projector close enough to the screen.
- Make sure you have run the **Light Source Calibration** in the Management menu recently. If using multiple projectors, perform the calibration on all projectors to ensure a consistent image quality.

Parent topic: Solving Image or Sound Problems

Related references

Input Signal Settings - Signal I/O Menu

Administration Settings - Management Menu

Image Quality Settings - Image Menu

Solutions When an Afterimage Remains On the Projected Image

If you see an afterimage in the projected image, select **Refresh Mode** > **Start** in the Management menu.

Parent topic: Solving Image or Sound Problems

Related references

Administration Settings - Management 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.
- Check your computer or video source to make sure the volume is turned up and the audio output is set for the correct source.
- Try disconnecting and reconnecting the audio cable.
- 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 isn't projecting any images, set the **Quick Startup** option in the Operation menu to **Off** and make sure the **A/V Output** setting in the Signal I/O menu is set to **Always On**.
- If the volume for the computer is set to the minimum while the projector's volume is set to maximum, the sound level may be mixed. Turn up the computer's volume and decrease the projector's volume (when using Epson iProjection [Windows/Mac]).
- Make sure the **Audio Output Device** option is set to the correct audio port for your video device.
- Check the **Mic Input Level** setting and lower it, if necessary.
- 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

Related references

Input Signal Settings - Signal I/O Menu

Related tasks

Connecting to a Computer for Sound
Connecting to a Video Source for Sound

Connecting to External Speakers
Controlling the Volume with the Volume Buttons

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.
- Adjust the **Mic Input Level** setting in the Signal I/O menu. If the setting is too high, the sound of the other connected devices will be too low.

Parent topic: Solving Image or Sound Problems

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 Remote Control Problems
Solutions to Password Problems
Solutions When a Battery Message Appears

Parent topic: Solving Problems

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 laser 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** setting to change the sleep interval. The **A/V Mute Timer** may be set. Set the **A/V Mute Timer** to **Off** in the Operation menu.
- Turn off the **HDMI Link** setting. If this resolves the issue, check the settings on connected devices and make sure the projector is not receiving shut down requests over CEC.
- If the projector's laser shuts off, the Status light is flashing, and the Temp light is on, 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. Try another power cord. If that doesn't work, disconnect the cord and contact Epson.
- The cooling fans may run in standby status depending on the projector settings. Also, when the projector wakes from standby status, the fans may cause an unexpected noise. This is not a malfunction.

Parent topic: Solving Projector or Remote Control Operation Problems

Related references

Where to Get Help (U.S. and Canada)
Where to Get Help (Latin America)
Projector Light Status
Feature Settings - Operation Menu

Related tasks

Unlocking the Projector's Buttons

Solutions to Remote Control Problems

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 on one of the remote receivers in the projector's menu system, or check if all the remote receivers were turned off.
- If the remote receiver setting is off, press and hold the **Menu** button on the remote for at least 15 seconds to restore the default setting.
- 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).

- To set the remote control so it will operate any projector, hold down the **ID** button and press the **0/All** button.
- If you lose the remote control, you can purchase another from an Epson parts distributor.

Parent topic: Solving Projector or Remote Control Operation Problems

Related references

Remote Control Operation

Related tasks

Installing Batteries in the Remote Control

Replacing the Remote Control Batteries

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 lose the remote control, you cannot enter a password. Order a new one from Epson.
- 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 Epson 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**

Parent topic: Solving Projector or Remote Control Operation Problems

Related concepts

Projector Security Features

Solutions When a Battery Message Appears

If you see a message telling you that the battery that saves your clock settings is running low, contact Epson for help.

Parent topic: Solving Projector or Remote Control Operation Problems

Related references

Where to Get Help (U.S. and Canada)

Where to Get Help (Latin America)

Solving Network Problems

Check the solutions in these sections if you have problems using the projector on a network.

Solutions When Wireless Authentication Fails

Solutions When You Cannot Access the Projector Through the Web

Solutions When Network Alert E-Mails are Not Received

Solutions When the Image Contains Static During Network Projection

Solutions When You Cannot Connect Using Screen Mirroring

Solutions When the Image or Sound Contains Static When Using Screen Mirroring

Solutions When the Projected Screen is not Shared Correctly

Parent topic: Solving Problems

Solutions When Wireless Authentication Fails

If you cannot authenticate a wireless connection, try the following solutions:

- If the wireless settings are correct, but authentication fails, you may need to update the **Date & Time** settings in the Management menu, if available.
- Check the **Security** settings and passphrase in the Network menu.
- Make sure the connected device is on and operating properly.
- If the access point security is WPA3-EAP, change the access point setting to **WPA2/WPA3-EAP**.

Parent topic: Solving Network Problems

Related references

Event ID Code List

Network Settings - Network Menu

Administration Settings - Management Menu

Related tasks

Setting the Date and Time

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.

- You may need to log in to access some options on the Web Control screen. If you see a log in window, 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**.
- Avoid connecting via a proxy server.
- Make sure you have access to the network the projector is on.
- Check the IP address on the projector, then reenter the IP address in the browser search bar.

Note: The user ID and password are case sensitive.

Parent topic: Solving Network Problems

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 Notification 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. Change the **Port** setting according to your network environment.

Parent topic: Solving Network Problems

Related references

Network Projector E-mail Alert Messages

Related tasks

Setting Up Projector Network E-Mail Alerts

Solutions When the Image Contains Static During Network Projection

If the projected image contains static during network projection, try the following solutions:

- Check for any obstacles between the access point, the computer, the mobile device, and the projector. If necessary, change their positions to improve communication. Also make sure that they are not too far apart; move them closer together and try to connect again.
- If the wireless connection is slow or your projected image contains noise, check for interference from other equipment, such as a Bluetooth device or microwave. Move the interfering device farther away or expand your wireless bandwidth.
- If the connection speed declines, reduce the number of connected devices.

Parent topic: Solving Network Problems

Solutions When You Cannot Connect Using Screen Mirroring

If you are unable to connect to the projector using Screen Mirroring, try the following solutions:

- Select **On** as the **Screen Mirroring** setting in the projector's Network menu.
- Make sure the **Display Name** setting does not contain a dash ("-") or it may not be displayed correctly on the mobile device.
- Select **Off** as the **Screen Mirroring** setting, then select **On** again.
- Make sure the mobile device settings are correct and restart the device.
- You may not be able to connect immediately after disconnecting from the projector. Wait a while and try connecting again.
- If you have previously connected to the projector using Screen Mirroring, the device may have saved the previous connection information. Delete the saved information and connect to the projector from the list of available devices.
- If you are unable to use two Screen Mirroring sources at the same time, set the **Interrupt Connection** setting to **Off**.

Parent topic: Solving Network Problems

Solutions When the Image or Sound Contains Static When Using Screen Mirroring

If the projected image or sound contains static when connecting using Screen Mirroring, try the following solutions:

- Avoid covering the Wi-Fi antenna of the mobile device.

- If you use a Screen Mirroring connection and an internet connection at the same time, the image may freeze or contain noise. Disconnect from the internet to improve the connection speed of the mobile device.
- Make sure the projection contents meet the Screen Mirroring requirements.
- Depending on the settings of the mobile device, the connection may be lost when the device enters power saving mode. Check the power saving settings on the mobile device.
- Make sure your mobile device has the latest version of its wireless driver and firmware installed.

Parent topic: Solving Network Problems

Solutions When the Projected Screen is not Shared Correctly

If the Screen Sharing feature does not deliver the screen to a receiving projector properly, try the following solutions:

- Connect the projector to the same network as the projector that is sharing its screen.
- Make sure the receiving projector supports the Screen Sharing function.
- Make sure the **Screen Sharing** setting in the Network menu is set to **On** for all projectors.
- Close any running Epson iProjection (Windows/Mac) software.
- Make sure the image being projected is not protected by copyright.
- Make sure **Sharing** is displayed on the status bar that appears in the upper center part of the screen. If it is not displayed, try reconnecting.

Parent topic: Solving Network Problems

Related concepts

Screen Sharing

Related references

Network Settings - Network Menu

Where to Get Help (U.S. and Canada)

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/support (U.S.) or epson.ca/support (Canada) and select your product for solutions to common problems with your projector. You can download utilities and documentation, get FAQs and troubleshooting advice, or e-mail Epson with your questions.

Speak to a Support Representative

To use the Epson PrivateLine Support service, call (800) 637-7661. This service is available for the duration of your warranty period. You may also speak with a projector support specialist by dialing (562) 276-4394 (U.S.) or (905) 709-3839 (Canada).

Support hours are Monday through Friday, 7 AM to 4 PM, Pacific Time.

Days and hours of support are subject to change without notice. Toll or long distance charges may apply.

Before you call, have the following information ready:

- Product name
- Product serial number (located on the bottom or rear of the projector, or in the menu system)
- Proof of purchase (such as a store receipt) and date of purchase
- Computer or video configuration
- Description of the problem

Purchase Supplies and Accessories

You can purchase screens, other optional accessories, and replacement parts from an Epson authorized reseller. To find the nearest reseller, call 800-GO-EPSON (800-463-7766) in the U.S. or 800-807-7766 in Canada. Or you can purchase online at epsonstore.com (U.S. sales) or epsonstore.ca (Canadian sales).

You can purchase a replacement remote control from an Epson parts distributor here (U.S. sales) or here (Canadian sales).

Parent topic: Solving Problems

Related references

Projector Light Status

Where to Get Help (Latin America)

If you need to contact Epson for technical support services, use the following support options.

Internet Support

Visit Epson's support website at latin.epson.com/support and select your product for solutions to common problems with your projector. 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) 592-2200 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
Mexico	Mexico City: (52 55) 1323-2052 Other cities: 01-800-087-1080
Nicaragua*	00-1-800-226-0368
Panama*	00-800-052-1376
Paraguay	009-800-521-0019

Country	Telephone
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.

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

Parent topic: Solving Problems

Related references

Projector Light Status

Technical Specifications

These sections list the technical specifications of your projector.

General Projector Specifications
Projector Light Source Specifications
Remote Control Specifications
Projector Dimension Specifications
Projector Electrical Specifications
Projector Environmental Specifications
Projector Safety and Approvals Specifications (U.S. and Canada)
Projector Safety and Approvals Specifications (Latin America)
Supported Video Display Formats
USB Display System Requirements

General Projector Specifications

Type of display	Poly-silicon TFT active matrix
Resolution	**PowerLite EB-720:**
	1024 × 768 pixels (XGA)
	PowerLite EB-725W:
	1280 × 800 pixels (WXGA)
Lens	F=1.6
	Focal length: 3.7 mm
Color reproduction	Full color, up to 1.07 billion colors

Brightness	**PowerLite EB-720:** Normal Light Source Mode: White light output 3800 lumens (ISO 21118 standard) Color light output 3800 lumens Quiet or Extended Light Source Mode: White light output 2660 lumens (ISO 21118 standard) Custom mode: White light output 2660 to 3800 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. **PowerLite EB-725W:** Normal Light Source Mode: White light output 4000 lumens (ISO 21118 standard) Color light output 4000 lumens Quiet or Extended Light Source Mode: White light output 2800 lumens (ISO 21118 standard) Custom mode: White light output 2800 to 4000 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	Over 2,500,000:1 with Dynamic Color Mode, Normal Light Source Mode, and Wide Zoom on

Image size	**PowerLite EB-720:**
(in native aspect ratio)	65 inches (1.65 m) to 110 inches (2.79 m)
	PowerLite EB-725W:
	65 inches (1.65 m) to 120 inches (3.05 m)
Projection distance	**PowerLite EB-720:**
(in native aspect ratio)	4.2 inches (10.4 cm) to 15.7 inches (40.4 cm)
	PowerLite EB-725W:
	2.8 inches (7.4 cm) to 16.1 inches (41.4 cm)
Projection methods	Front, rear, wall-mounted, table-mounted, ceiling-mounted
Optical aspect ratio	**PowerLite EB-720:**
(width-to-height)	4:3
	PowerLite EB-725W:
	16:10
Focus adjustment	Manual
Zoom adjustment	Digital
Zoom ratio	1.0 to 1.35
(Tele-to-Wide)	
Internal sound system	16 W monaural
Noise level	36 dB (Normal Light Source Mode)
	26 dB (Quiet Light Source Mode)
Keystone correction angle	± 3º
USB Type B port compatibility	USB 2.0 compliant for USB Display, firmware update, or copying menu settings
USB Type A port compatibility	One USB 2.0 compliant port for USB memory device, Epson document camera, firmware update, or copying menu settings
	One USB 2.0 compliant port for WLAN only

Parent topic: Technical Specifications

Projector Light Source Specifications

Type	Laser Diode
Power consumption	Normal Light Source Mode: 267 W Quiet or Extended Light Source Mode: 206 W
Light source output power	Up to 81 W
Wavelength	449 to 461 nm
Light source life	Normal or Quiet Light Source Mode: Up to about 20,000 hours Extended Light Source Mode: Up to about 30,000 hours

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

Parent topic: Technical Specifications

Remote Control Specifications

Reception range	19.7 feet (6 m)
Batteries	Two alkaline or manganese AA

Parent topic: Technical Specifications

Projector Dimension Specifications

Height (excluding feet)	5.3 inches (133 mm)
Width	14.0 inches (356 mm)
Depth	15.6 inches (395 mm)

Weight	12.6 lb (5.7 kg)

Parent topic: Technical Specifications

Projector Electrical Specifications

Rated frequency	50/60 Hz
Power supply	100 to 240 VAC ±10% 1.2 to 2.7 A
Power consumption (100 to 120 V)	Operating: Normal Light Source Mode: 267 W Extended or Quiet Light Source Mode: 206 W Standby: 0.5 W (Communication Off), 2.0 W (Communication On)
Power consumption (220 to 240 V)	Operating: Normal Light Source Mode: 255 W Extended or Quiet Light Source Mode: 197 W Standby: 0.5 W (Communication Off), 2.0 W (Communication On)

Parent topic: Technical Specifications

Projector Environmental Specifications

Temperature	Operating - Single projector: 32 to 104 °F (0 to 40 °C) Operating - Multiple projectors: 32 to 95 °F (0 to 35 °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 7500 feet (2286 m) Up to 10000 feet (3048 m) with High Altitude Mode enabled

Parent topic: Technical Specifications

Projector Safety and Approvals Specifications (U.S. and Canada)

United States	FCC Part 15B Class B UL60950-1 2nd edition (cTUVus Mark)
Canada	ICES-003 Class B CSA C22.2 No. 60950-1-07 (cTUVus Mark)

Parent topic: Technical Specifications

Projector Safety and Approvals Specifications (Latin America)

Notice for Argentina

Product Model: PowerLite EB-720/EB-725W (HA01A/H999A)

WLAN Module: WLU5630B-D101(RoHS)

Brand: EPSON

CNC ID:C-23113

Notice for Mexico

Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation of the device.

Product Model: HA01A/H999A (PowerLite EB-720/EB-725W)

WLAN Module Model: WLU5630B-D101(RoHS)

Brand: EPSON

IFT Certification Number: RCPEPWL19-0590

Notice for Paraguay

Imported by:

Fastrax, S.A.

Av. Perú esq. Río de Janeiro, Barrios Las Mercedes, Asunción, Paraguay

Imported by:

Sol Control S.R.L.

Av. Gral. Bernardino Caballero 810 esq. Celsa Speratti, Asunción, Paraguay

Notice for Peru

Product Model: PowerLite EB-720/EB-725W (HA01A/H999A)

Brand: EPSON

This product uses the following WLAN module:

WLAN Module Model: WLU5630B-D101(RoHS)

FCC ID: BKMAE-WLU5630

Product Manufacturer: Seiko Epson Corporation

Address: 3-3-5 Owa Suwa-shi, Nagano-Ken 392-8502, Japan

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

Display format	Refresh rate (in Hz)	Resolution (in pixels)
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
SXGA	70/75/85	1152 × 864
	60/75/85	1280 × 960
	60/75/85	1280 × 1024
SXGA+	60/75	1400 × 1050
WSXGA+*	60	1680 × 1050
UXGA	60	1600 × 1200
WUXGA (Reduced Blanking)	60	1920 × 1200
Composite video		
TV (NTSC)	60	720 × 480
TV (SECAM)	50	720 × 576
TV (PAL)	50/60	720 × 576
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
WUXGA (Reduced Blanking)	60	1920 × 1080
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
4K	23.98/24/25/29.97/30/50/59.94/60	3840 × 2160
4K (SMPTE)	23.98/24/50/59.94/60	4096 × 2160

* **Wide** resolution only

Parent topic: Technical Specifications

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 7 Ultimate, Enterprise, Professional, and Home Premium (32- and 64-bit); Home Basic and Starter (32-bit)	OS X 10.11.x (64-bit), macOS 10.12.x (64-bit), macOS 10.13.x (64-bit), macOS 10.14.x (64-bit), macOS 10.15.x (64-bit), and macOS 11.0.x (64-bit)
	Windows 8.x, Pro, and Enterprise (32- and 64-bit)	
	Windows 10 Home, Pro, and Enterprise (32- and 64-bit)	

Requirement	Windows	Mac
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

Related references

Input Signal Settings - Signal I/O Menu

Notices

Check these sections for important notices about your projector.

Recycling (U.S. and Canada)
Important Safety Information
Laser Safety Information
Laser Light Source Warning
Important Safety Instructions
List of Safety Symbols (corresponding to IEC60950-1 A2)
FCC Compliance Statement
Binding Arbitration and Class Waiver
Trademarks
Copyright Notice

Recycling (U.S. and Canada)

Epson offers a recycling program for end of life products. Please go to this site for information on how to return your products for proper disposal.

Parent topic: Notices

Important Safety Information

Caution: Never look into the projector lens when the laser 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 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.

Parent topic: Notices

Laser Safety Information

This projector is a Class 1 laser product that complies with the IEC/EN60825-1:2014 international standard for lasers. Follow these safety instructions when using the projector.

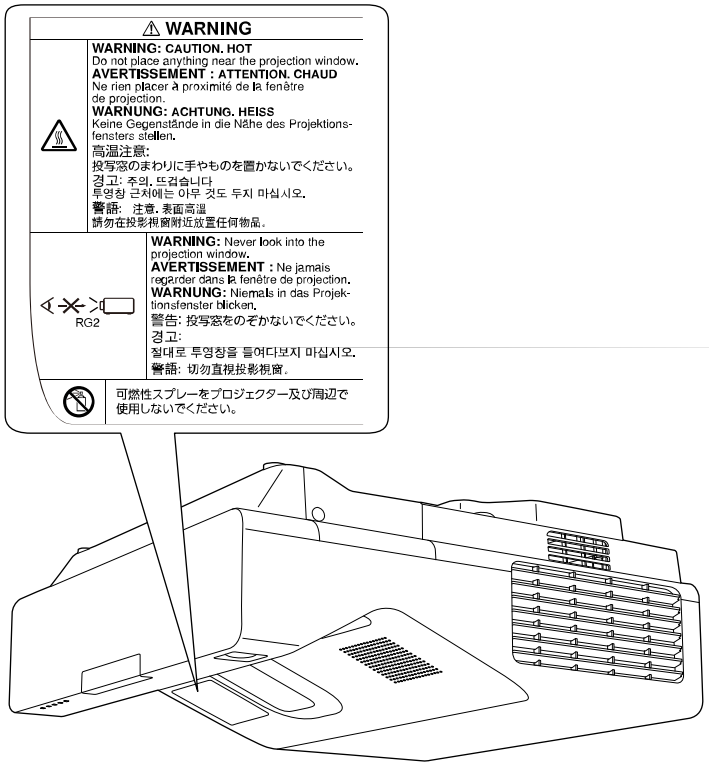
Warning: Possibly hazardous optical radiation emitted from this product. Do not look at operating light source. Eye injury may result.

- If an error occurs in the projector, turn off the power and unplug the projector immediately. Continuing to use the projector could result in an electric shock, fire, or visual impairment. Contact Epson support.
- Do not attempt to disassemble or modify the projector. The projector contains a high-power laser component. Serious injury could result.
- Do not look into the lens during projection. Also, do not look into the lens using optical devices, such as a magnifying glass or telescope. This could cause visual impairment.
- Do not place flammable objects in front of the lens. Objects could catch fire.
- When turning on the projector at a distance using the remote control, make sure no one is looking into the lens.
- Do not allow small children to operate the projector. Children must be accompanied by an adult.
- Do not apply optical devices, such as a magnifying glass or reflector, to the projected image. Using the projector may result in physical harm, fire, or an accident.
- Do not block the light from the lens during projection. The high temperature in this area could cause burns, fire, or other damage. The lens may overheat due to the reflected light and could cause the projector to malfunction.
- Before using the projector, make sure there is nothing in the area that could reflect the projected image.
- When disposing of the projector, do not disassemble it. Dispose of the projector in accordance with your local or national laws and regulations.

Labels are attached to the projector to indicate it is a Class 1 laser product and complies with FDA performance standards for laser products except for conformance as a Risk Group 2 LIP as defined in IEC 62471-5: Ed. 1.0 (for more information see Laser Notice No. 57, dated May 8, 2019):

- **Top**

As with any bright source, do not stare into the beam (RG2 IEC/EN 62471-5:2015).



Parent topic: Notices

Laser Light Source Warning

Refer to the table here for the Exposure Hazard Values (EHV) in accordance with the IEC62471-2:2009 standard. The EHV indicates the hazard level for objects in front of the light source for 0.25 seconds at a distance of 7.9 inches (20 cm). The higher the value, the greater the hazard level.

Exposure Hazard Value	0.68

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 any flammable objects in front of the projector lens, otherwise, a fire may occur.
- Do not touch the lens with bare hands.
- Do not place the projector on an unstable cart, stand, or table or on a surface that is unable to support its weight. Otherwise, it could fall or topple causing an accident and injury.
- 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 the projector in a high position, take measures to prevent it from falling by using wires to ensure safety in an emergency, such as an earthquake, and to prevent accidents. If the projector is not installed correctly, the projector could fall. This may result in injury or accidents. Contact your dealer to carry out the installation work.
- 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. If the vents are covered, the internal temperature could rise and cause a

fire. Do not place the projector in locations subject to high temperatures, such as near heating equipment. 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 19.7 inches (50 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. Do not place any containers of liquid on top of the unit. Never spill liquid of any kind into the projector.
- Do not insert or drop metal, flammable, or foreign objects into the projector's vents or openings nor leave them nearby. Doing so may result in fire, electric shock, or burns.
- If you are using two or more projectors side-by-side, leave enough 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.
- Follow the maintenance schedule for this projector. If the interior of the projector has not been cleaned for a long time, dust may build up, which could cause fire or electric shock. Replace your air filter periodically and contact your dealer to clean the interior of the projector, as needed.
- 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 (including consumables). Refer all repairs to qualified service personnel. Electrical voltages inside the projector can cause serious injury.
- 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. Continuing to use the projector under these conditions may result in fire or electric shock.
- 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. The insulation may deteriorate, which may result in fire.
- 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. Doing so may result in malfunction, electric shock, and fire.
- Do not use or store the projector in places where smoke from oil or cigarettes may be present, as it can adversely affect the quality of the projected images.
- Do not use the projector where flammable or explosive gases may be present. The inside of the projector can get very hot during use and the gases may ignite, resulting in a fire.
- 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. Thermal deformation or technical malfunction may occur, which may result in a fire.
- Check the specifications for the power cable. Using an inappropriate power cable could result in fire or electric shock. The power cable supplied with the projector is intended to comply with power supply requirements for the country of purchase. If you use the projector in the country where it was purchased, only use the power cable that came with the projector.
- 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. You may fall over, resulting in injury and damage to the projector.
- Do not use the projector outside of the required temperature range below:

  32 to 104 °F (0 to 40 °C) at an altitude of 7500 feet (2286 m) or less, or 32 to 95 °F (0 to 35 °C) at an altitude of 7500 to 10000 feet (2286 to 3048 m)

  When using multiple projectors at the same time:

  32 to 95 °F (0 to 35 °C) at an altitude of 7500 feet (2286 m) or less, or 32 to 86 °F (0 to 30 °C) at an altitude of 7500 to 10000 feet (2286 m to 3048 m)

  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 use or store the projector in places where it might be subjected to high and low extremes of 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. Fire or electric shock may result.

- Do not place the source of an open flame, such as a lit candle, on or near the projector.
- During projection, do not block the light from the projector with a book or other objects. If the light from the projector is blocked, the area on which the light shines becomes hot which could cause it to melt, burn, or start a fire. Also, the lens may get hot due to the reflected light which could cause the projector to malfunction. To stop projection, use the A/V Mute function, or turn off 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. Do not use the power cord if it is damaged. Fire or electric shock may result. Contact your dealer if the cable becomes damaged.
- Always lower the volume before turning off the projector. Turning on the projector with the volume too high can damage your ears.
- When a still image is displayed for a long time, image retention may occur on the screen. Do not display images in the exact same position for long periods.

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.

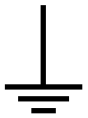
Because this product was not intended for use in applications requiring extremely high reliability/safety such as aerospace equipment, main communication equipment, nuclear power control equipment, or medical equipment related to direct medical care, please make your own judgment on this product's suitability after a full evaluation.

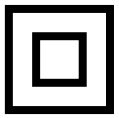
Parent topic: Important Safety Instructions

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.
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.

No.	Symbol	Approved Standards	Description
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.
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 No.5019	Protective earth 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 No.5017	Earth To identify an earth (ground) terminal in cases where neither the symbol No.13 is explicitly required.

No.	Symbol	Approved Standards	Description
15		IEC60417 No.5032	Alternating current To indicate on the rating plate that the equipment is suitable for alternating current only; to identify relevant terminals.
16		IEC60417 No.5031	Direct current To indicate on the rating plate that the equipment is suitable for direct current only; to identify relevant terminals.
17		IEC60417 No.5172	Class II equipment 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.
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 IEC60825-1	Caution, laser radiation To indicate the equipment has a laser radiation part.

No.	Symbol	Approved Standards	Description
23		ISO 3864	Disassembly prohibition To indicate a risk of injury, such as electric shock, if the equipment is disassembled.
24		IEC60417 No. 5266	Standby, partial standby To indicate that part of the equipment is in the ready status.
25		ISO3864 IEC60417 No. 5057	Caution, movable parts To indicate that you must keep away from movable parts according to protection standards.
27		IEC 60417-6056	Caution (movable fan blades) To indicate that you must keep away from the blades of the movable fan according to protection standards.
28		IEC 60417-6043	Caution (sharp corners) To indicate that you must not touch the sharp corners of the product according to protection standards.
29		—	Never look into the projection lens while the projector is on.
30		ISO7010 No. W027	Warning, light emission (UV, visible light, IR and so on) To indicate that you must be careful not to injure your eyes or skin when near light emitting sections.
31		IEC60417 No. 5109	Not to be used in residential areas To indicate that the electrical equipment/device is not suitable for use in residential area.

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.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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.

For Canadian Users

CAN ICES-3(B)/NMB-3(B)

Parent topic: Notices

Binding Arbitration and Class Waiver

1. DISPUTES, BINDING INDIVIDUAL ARBITRATION, AND WAIVER OF CLASS ACTIONS AND CLASS ARBITRATIONS

1.1 **Disputes**. The terms of this Section 1 shall apply to all Disputes between you and Epson. The term "Dispute" is meant to have the broadest meaning permissible under law and includes any dispute, claim, controversy or action between you and Epson arising out of or relating to this Agreement, Epson branded products (hardware and including any related software), or other transaction involving you and Epson, whether in contract, warranty, misrepresentation, fraud, tort, intentional tort, statute, regulation, ordinance, or any other legal or equitable basis. "DISPUTE" DOES NOT INCLUDE IP CLAIMS, or more specifically, a claim or cause of action for (a) trademark infringement or dilution, (b) patent infringement, (c) copyright infringement or misuse, or (d) trade secret misappropriation (an "IP Claim"). You and Epson also agree, notwithstanding Section 1.6,that a court, not an arbitrator, may decide if a claim or cause of action is for an IP Claim.

1.2 **Binding Arbitration**. You and Epson agree that all Disputes shall be resolved by binding arbitration according to this Agreement. **ARBITRATION MEANS THAT YOU WAIVE YOUR RIGHT TO A JUDGE OR JURY IN A COURT PROCEEDING AND YOUR GROUNDS FOR APPEAL ARE LIMITED**. Pursuant to this Agreement, binding arbitration shall be administered by JAMS, a nationally recognized arbitration authority, pursuant to its code of procedures then in effect for consumer related disputes, but excluding any rules that permit joinder or class actions in arbitration (for more detail on procedure, see Section 1.6 below). You and Epson understand and agree that (a) the Federal Arbitration Act (9 U.S.C. §1, et seq.) governs the interpretation and enforcement of this Section 1, (b) this Agreement memorializes a transaction in interstate commerce, and (c) this Section 1 shall survive termination of this Agreement.

1.3 **Pre-Arbitration Steps and Notice**. Before submitting a claim for arbitration, you and Epson agree to try, for sixty (60) days, to resolve any Dispute informally. If Epson and you do not reach an agreement to resolve the Dispute within the sixty (60) days), you or Epson may commence an arbitration. Notice to Epson must be addressed to: Epson America, Inc., ATTN: Legal Department, 3131 Katella Ave., Los Alamitos, CA 90720 (the "Epson Address"). The Dispute Notice to you will be sent to the most recent address Epson has in its records for you. For this reason, it is important to notify us if your address changes by emailing us at EAILegal@ea.epson.com or writing us at the Epson Address above. Notice of the Dispute shall include the sender's name, address and contact information, the facts giving rise to the Dispute, and the relief requested (the "Dispute Notice"). Following receipt of the Dispute Notice, Epson and you agree to act in good faith to resolve the Dispute before commencing arbitration.

1.4 **Small Claims Court**. Notwithstanding the foregoing, you may bring an individual action in the small claims court of your state or municipality if the action is within that court's jurisdiction and is pending only in that court.

1.5 **WAIVER OF CLASS ACTIONS AND CLASS ARBITRATIONS. YOU AND EPSON AGREE THAT EACH PARTY MAY BRING DISPUTES AGAINST THE OTHER PARTY ONLY IN AN INDIVIDUAL CAPACITY, AND NOT AS A PLAINTIFF OR CLASS MEMBER IN ANY CLASS OR REPRESENTATIVE PROCEEDING, INCLUDING WITHOUT LIMITATION FEDERAL OR STATE CLASS ACTIONS, OR CLASS ARBITRATIONS. CLASS ACTION LAWSUITS, CLASS-WIDE ARBITRATIONS, PRIVATE ATTORNEY-GENERAL ACTIONS, AND ANY OTHER PROCEEDING WHERE SOMEONE ACTS IN A REPRESENTATIVE CAPACITY ARE NOT ALLOWED. ACCORDINGLY, UNDER THE ARBITRATION PROCEDURES OUTLINED IN THIS SECTION, AN ARBITRATOR SHALL NOT COMBINE OR CONSOLIDATE MORE THAN ONE PARTY'S CLAIMS WITHOUT THE WRITTEN CONSENT OF ALL AFFECTED PARTIES TO AN ARBITRATION PROCEEDING.**

1.6 **Arbitration Procedure**. If you or Epson commences arbitration, the arbitration shall be governed by the rules of JAMS that are in effect when the arbitration is filed, excluding any rules that permit arbitration on a class or representative basis (the "JAMS Rules"), available at http://www.jamsadr.com or by calling 1-800-352-5267, and under the rules set forth in this Agreement. All Disputes shall be resolved by a single neutral arbitrator, and both parties shall have a reasonable opportunity to participate in the selection of the arbitrator. The arbitrator is bound by the terms of this Agreement. The arbitrator, and not any federal, state or local court or agency, shall have exclusive authority to resolve all disputes arising out of or relating to the interpretation, applicability, enforceability or formation of this Agreement, including any claim that all or any part of this Agreement is void or voidable. Notwithstanding this broad delegation of authority to the arbitrator, a court may determine the limited question of whether a claim or cause of action is for an IP Claim, which is excluded from the definition of "Disputes" in Section 1.1 above. The arbitrator shall be empowered to grant whatever relief would be available in a court under law or in equity. The arbitrator may award you the same damages as a court could, and may award declaratory or injunctive relief only in favor of the individual party seeking relief and only to the extent necessary to provide relief warranted by that party's individual claim. In some instances, the costs of arbitration can exceed the costs of litigation and the right to discovery may be more limited in arbitration than in court. The arbitrator's award is binding and may be entered as a judgment in any court of competent jurisdiction.

You may choose to engage in arbitration hearings by telephone. Arbitration hearings not conducted by telephone shall take place in a location reasonably accessible from your primary residence, or in Orange County, California, at your option.

a) Initiation of Arbitration Proceeding. If either you or Epson decides to arbitrate a Dispute, both parties agree to the following procedure:

(i) Write a Demand for Arbitration. The demand must include a description of the Dispute and the amount of damages sought to be recovered. You can find a copy of a Demand for Arbitration at http://www.jamsadr.com ("Demand for Arbitration").

(ii) Send three copies of the Demand for Arbitration, plus the appropriate filing fee, to: JAMS, 500 North State College Blvd., Suite 600 Orange, CA 92868, U.S.A.

(iii) Send one copy of the Demand for Arbitration to the other party (same address as the Dispute Notice), or as otherwise agreed by the parties.

b) Hearing Format. During the arbitration, the amount of any settlement offer made shall not be disclosed to the arbitrator until after the arbitrator determines the amount, if any, to which you or Epson is entitled. The discovery or exchange of non-privileged information relevant to the Dispute may be allowed during the arbitration.

c) Arbitration Fees. Epson shall pay, or (if applicable) reimburse you for, all JAMS filings and arbitrator fees for any arbitration commenced (by you or Epson) pursuant to provisions of this Agreement.

d) Award in Your Favor. For Disputes in which you or Epson seeks $75,000 or less in damages exclusive of attorney's fees and costs, if the arbitrator's decision results in an award to you in an amount greater than Epson's last written offer, if any, to settle the Dispute, Epson will: (i) pay you $1,000 or the amount of the award, whichever is greater; (ii) pay you twice the amount of your reasonable attorney's fees, if any; and (iii) reimburse you for any expenses (including expert witness fees and costs) that your attorney reasonably accrues for investigating, preparing, and pursuing the Dispute in arbitration. Except as agreed upon by you and Epson in writing, the arbitrator shall determine the amount of fees, costs, and expenses to be paid by Epson pursuant to this Section 1.6d).

e) Attorney's Fees. Epson will not seek its attorney's fees and expenses for any arbitration commenced involving a Dispute under this Agreement. Your right to attorney's fees and expenses under Section 1.6d) above does not limit your rights to attorney's fees and expenses under applicable law; notwithstanding the foregoing, the arbitrator may not award duplicative awards of attorney's fees and expenses.

1.7 **Opt-out. You may elect to opt-out (exclude yourself) from the final, binding, individual arbitration procedure and waiver of class and representative proceedings specified in this Agreement by sending a written letter to the Epson Address within thirty (30) days of your assent to this Agreement (including without limitation the purchase, download, installation of the Software or other applicable use of Epson Hardware, products and services) that specifies (i) your name, (ii) your mailing address, and (iii) your request to be excluded from the final, binding individual arbitration procedure and waiver of class and representative proceedings specified in this Section 1. In the event that you opt-out consistent with the procedure set forth above, all other terms shall continue to apply, including the requirement to provide notice prior to litigation.**

1.8 **Amendments to Section 1**. Notwithstanding any provision in this Agreement to the contrary, you and Epson agree that if Epson makes any future amendments to the dispute resolution procedure and class action waiver provisions (other than a change to Epson's address) in this Agreement, Epson will obtain your affirmative assent to the applicable amendment. If you do not affirmatively assent to the applicable amendment, you are agreeing that you will arbitrate any Dispute between the parties in accordance with the language of this Section 1 (or resolve disputes as provided for in Section 1.7, if you timely elected to opt-out when you first assented to this Agreement).

1.9 **Severability**. If any provision in this Section 1 is found to be unenforceable, that provision shall be severed with the remainder of this Agreement remaining in full force and effect. **The foregoing shall not apply to the prohibition against class or representative actions as provided in Section 1.5. This means that if Section 1.5 is found to be unenforceable, the entire Section 1 (but only Section 1) shall be null and void.**

Parent topic: Notices

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EXCEED YOUR VISION

Parent topic: Notices

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