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PROJECTOR OWNER'S MANUAL

Epson
EB-PU2010B

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EB-PU1006W/EB-PU1007B/EB-PU1007W/EB-PU1008B/EB-PU1008W/EB-PU2010B/EB-PU2010W
User's Guide

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EB-PU1006W/EB-PU1007B/EB-PU1007W/EB-PU1008B/EB-PU1008W/EB-PU2010B/EB-PU2010W User's Guide

Welcome to the EB-PU1006W/EB-PU1007B/EB-PU1007W/EB-PU1008B/EB-PU1008W/EB-PU2010B/EB-PU2010W *User's Guide*.

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

Note: The EB-PU2010B/EB-PU2010W is shown in most illustrations in this manual, unless noted otherwise.

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
Projector Part Locations

Projector Features

Your projector includes these special features:

Bright, high-resolution projection system

- Between 6000 and 10000 lumens of brightness (white light output and color light output), depending on your projector model

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

- Native resolution of 1920 × 1200 pixels (WUXGA)
- 4K enhancement doubles full HD resolution and provides beautiful, high-definition images
- 3-chip 3LCD technology provides brighter colors and uncompromising image quality
- HDR support for dynamic images
- Scene adaptive gamma correction for clear and natural images
- Overlay effects add color filters or shapes to your projected images

Flexible connectivity

- Wired and wireless (optional) network support for projection, monitoring, and control via remote network computer
- Variety of connection methods for a computer or video device including HDMI, DVI-D, and HDBaseT
- SDI connectivity available on the EB-PU2010B/EB-PU2010W
- Port for connecting external speakers

- Optional external camera for shooting remote images and accessing advanced tools to speed up and simplify setup

Easy-to-use setup and operation features

- Interchangeable bayonet lens options available
- Built-in NFC chip provides reduced installation time for multiple projectors using the Epson Projector Configuration Tool app for iOS and Android
- Stacking assist function allows you to create bright images by overlapping the images of multiple projectors
- Side-by-side projection from two separate input sources
- Projection onto curved or corner surfaces
- Built-in Edge Blending tool can create one large seamless display when projecting from multiple projectors
- Epson's Instant Off and Direct Power On features for quick setup and shut down
- Support for Crestron Connected network monitoring systems
- Network message broadcast system to project timely messages to all networked projectors (Windows only)

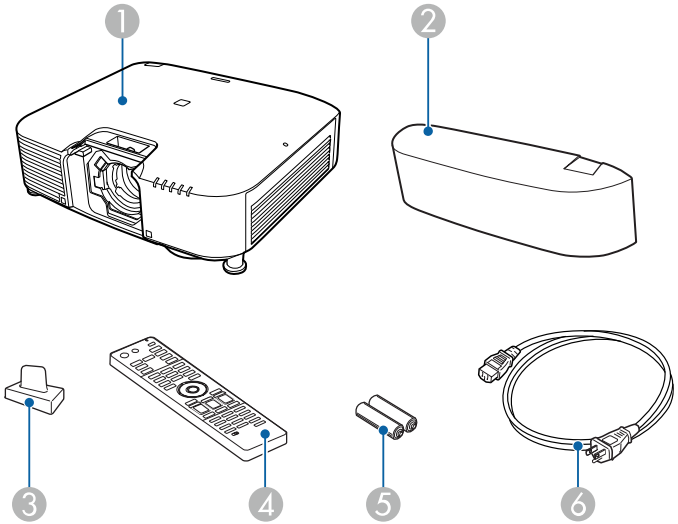
Product Box Contents
Additional Components
Additional Projector Software and Manuals
Optional Equipment and Replacement Parts
Warranty and Registration Information (U.S. and Canada)
Warranty and Registration Information (Latin America)

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 Cable cover
3 Lens connector cap
4 Remote control
5 Remote control batteries (two AA alkaline)
6 Power cord

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
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.
USB	Compatible USB cable
VGA	To connect a computer through its VGA port to the projector's VGA video port, you need a VGA computer cable.
DVI-D	Compatible DVI-D cable
HDBaseT	Compatible 100Base-TX LAN cable
SDI cable (EB-PU2010B/EB-PU2010W only)	Compatible SDI cable

Parent topic: Projector Features

Related concepts

Projector Connections

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 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.
Epson Projector Professional Tool (Windows/Mac)	*Epson Projector Professional Tool Operation Guide*	Lets you manage multiple Epson projectors simultaneously 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. (Software and documentation available only in English.)

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. (Document available only in English.)
Epson Projector Content Manager	*Epson Projector Content Manager Operation Guide*	Lets you add images and movies to playlists, and save them on a USB device; insert the USB device into the projector to project your playlist content without using a cable connection. 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 Creative Projection (iOS only)	Instructions are included with the app (instructions included with the app available only in English)	Lets you create custom content using built-in templates and stamps, and wirelessly transfer it to the projector if it is connected to a network that includes a wireless access point. You can download the latest software and documentation from the Apple App Store.
Epson Projector Configuration Tool	Instructions are included with the app (instructions included with the app available only in English)	Lets you use the NFC feature of your projector to speed up installation (kitting), read and write projector settings, manage installed projectors, and more. You can download the latest software and documentation from the Apple App Store or Google Play Store.

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).

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:

U.S. and Canada:

Option or part	Part number
Air filter (ELPAF46)	V13H134A46
External air filter (ELPAF63)	V13H134AD0
External camera (ELPEC01)	V12HA46010
Wireless LAN module (ELPAP11)	V12H005A02
Streaming media player (ELPAP12)	V12H005A08
HDBaseT Transmitter (ELPHD01)	V12H547020
Remote control cable set (ELPKC28)	V12H005C28
Epson DC-13 document camera (ELPDC13)	V12H757020
Epson DC-21 document camera (ELPDC21)	V12H758020
Ultra short-throw lens (ELPLX01S)[1]	V12H004X0A
Ultra short-throw lens (ELPLX02S)[2]	V12H004X0B
Ultra short-throw lens (white) (ELPLX01WS)[1]	V12H004Y0A
Ultra short-throw lens (white) (ELPLX02WS)[2]	V12H004Y0B
Short-throw #1 zoom lens (ELPLU03S)	V12H004UA3
Short-throw #2 zoom lens (ELPLU04)	V12H004U04
Wide-throw #1 zoom lens (ELPLW05)	V12H004W05
Wide-throw #2 zoom lens (ELPLW06)	V12H004W06
Wide-throw #3 zoom lens (ELPLW08)	V12H004W08

Option or part	Part number
Middle-throw #1 zoom lens (ELPLM08)[1]	V12H004M08
Middle-throw #2 zoom lens (ELPLM15)	V12H004M0F
Middle-throw #3 zoom lens (ELPLM10)	V12H004M0A
Middle-throw #4 zoom lens (ELPLM11)	V12H004M0B
Long-throw zoom lens (ELPLL08)	V12H004L08
Projector ceiling mount (ELPMB67)	V12HA54010
Suspension adapter (ELPFP15)	V12HA55010
Active speakers (ELPSP02)	V12H467020
LANG rigging frame (ELPMB59)	V12H996A01

[1] EB-PU1006W/EB-PU1007B/EB-PU1007W/EB-PU1008B/EB-PU1008W only

[2] EB-PU2010B/EB-PU2010W only

In addition to the accessories listed above, extended service plans are available.

Latin America:

Option or part	Part number
Air filter (ELPAF46)	V13H134A46
External air filter (ELPAF63)	V13H134AD0
External camera (ELPEC01)	V12HA46010
Wireless LAN module (ELPAP11)	V12H005A02
Streaming media player (ELPAP12)	V12H005A08
Remote control cable set (ELPKC28)	V12H005C28
Ultra short-throw lens (ELPLX01S)[1]	V12H004X0A
Ultra short-throw lens (ELPLX02S)[2]	V12H004X0B
Ultra short-throw lens (white) (ELPLX01WS)[1]	V12H004Y0A
Ultra short-throw lens (white) (ELPLX02WS)[2]	V12H004Y0B
Short-throw #1 zoom lens (ELPLU03S)	V12H004UA3

Option or part	Part number
Short-throw #2 zoom lens (ELPLU04)	V12H004U04
Wide-throw #1 zoom lens (ELPLW05)	V12H004W05
Wide-throw #2 zoom lens (ELPLW06)	V12H004W06
Wide-throw #3 zoom lens (ELPLW08)	V12H004W08
Middle-throw #1 zoom lens (ELPLM08)[1]	V12H004M08
Middle-throw #2 zoom lens (ELPLM15)	V12H004M0F
Middle-throw #3 zoom lens (ELPLM10)	V12H004M0A
Middle-throw #4 zoom lens (ELPLM11)	V12H004M0B
Long-throw zoom lens (ELPLL08)	V12H004L08

[1] EB-PU1006W/EB-PU1007B/EB-PU1007W/EB-PU1008B/EB-PU1008W only

[2] EB-PU2010B/EB-PU2010W only

Parent topic: Projector Features

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, select **Help**, 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 (U.S. and Canada only). 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)

Related tasks

Using the Projector Help Displays

Projector Part Locations

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

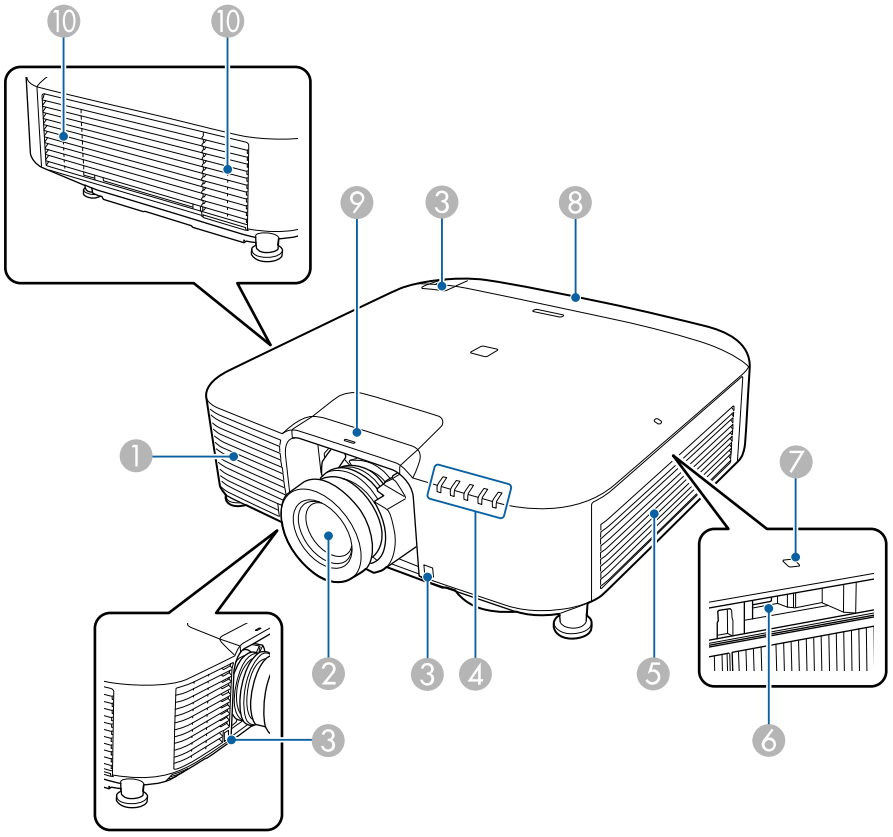
Projector Parts - Front/Top

Projector Parts - Rear

Projector Parts - Interface Ports

Projector Parts - Base
Projector Parts - Control Panel
Projector Parts - Remote Control
Parent topic: Introduction to Your Projector

Projector Parts - Front/Top



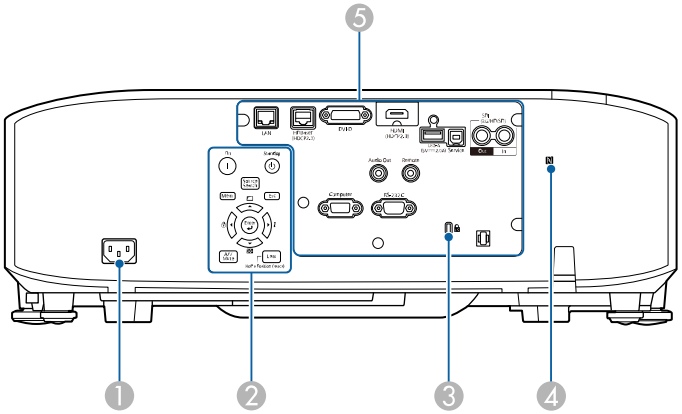
1 Air intake vent
2 Projection lens
3 Remote receivers

4 Projector status lights
5 Air filter cover/intake vent
6 USB-A port (for wireless LAN module)
7 Wireless LAN module indicator light
8 Cable cover
9 Lens replacement cover
10 Air exhaust vents

Warning: Do not look into the lens during projection. This could cause visual impairment.

Parent topic: Projector Part Locations

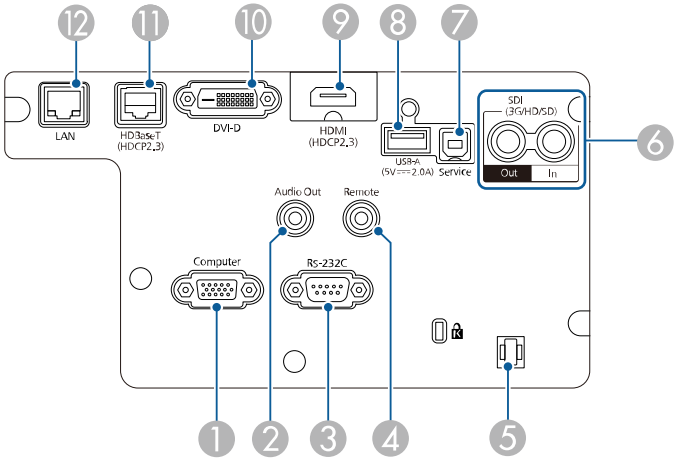
Projector Parts - Rear



1 AC power inlet
2 Control panel
3 Kensington security slot
4 NFC tag
5 Interface ports

Parent topic: Projector Part Locations

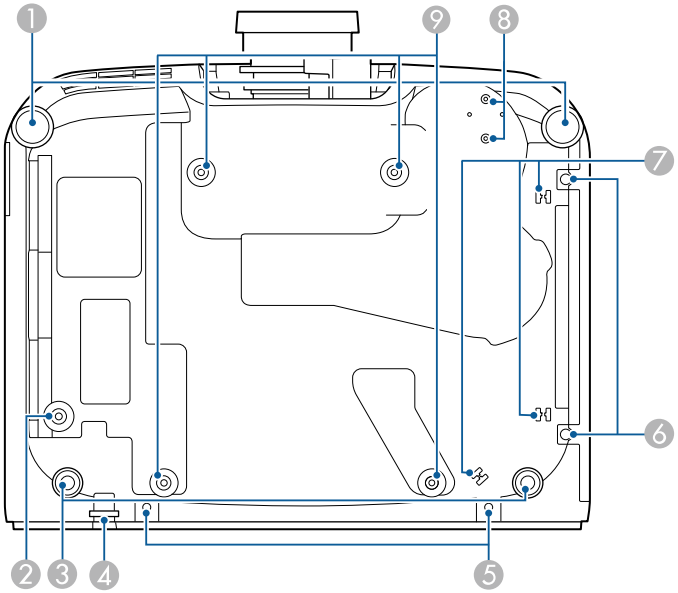
Projector Parts - Interface Ports



1 **Computer** port
2 **Audio Out** port
3 **RS-232C** port
4 **Remote** port
5 Cable holder
6 **SDI Out/In** ports (EB-PU2010B/EB-PU2010W only)
7 **Service** (USB-B) port
8 **USB-A** port
9 **HDMI** port
10 **DVI-D** port
11 **HDBaseT** port
12 **LAN** (network) port

Parent topic: Projector Part Locations

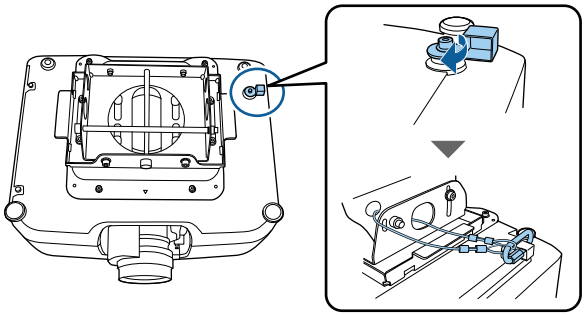
Projector Parts - Base



1 Front adjustable feet
2 Safety wire screw holes
3 Rear adjustable feet
4 Security cable attachment point
5 Cable cover screw holes
6 Air filter cover screws
7 Cable holder
8 Optional external camera attachment points
9 Ceiling mount attachment points

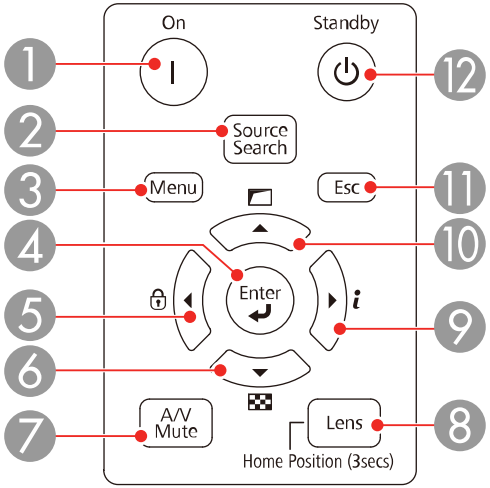
When you use the optional ceiling mount, you can install the safety wire to prevent the projector from falling from the ceiling.

Secure the ring using the M6 × 15 mm bolt supplied with the safety wire set, and loop the safety wire through the ceiling mount to secure it as shown.



Parent topic: Projector Part Locations

Projector Parts - Control Panel



1 **On** button (turns on the projector)

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

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

4 ↵ **Enter** button (selects options)

5 Left arrow button and displays the Control Panel Lock screen

6 Down arrow button and displays a test pattern

7 **A/V Mute** button (turns the video and audio on or off)

8 **Lens** button (displays the lens shift, zoom, focus, and distortion adjustment screens; hold for 3 seconds to return the lens to the home position)

9 Right arrow button and displays the Info menu

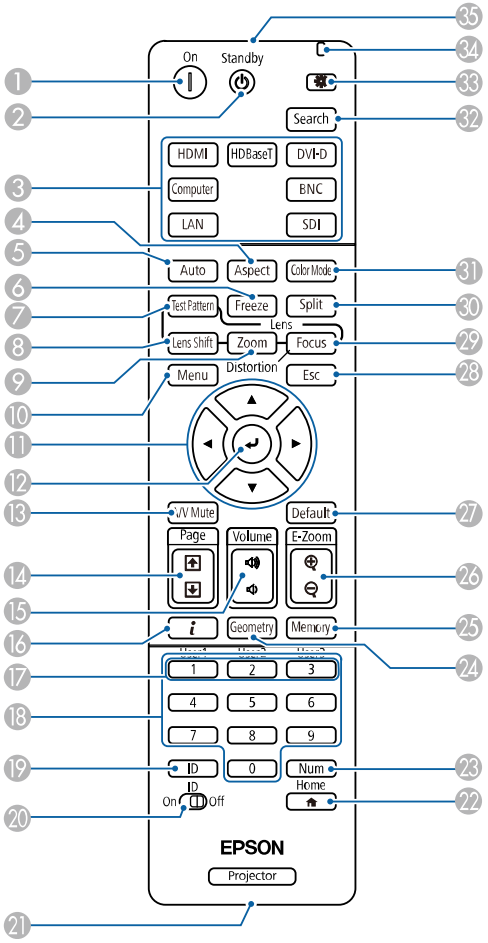
10 Up arrow button and displays screen adjustment options

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

12 **Standby** button (turns off the projector)

Parent topic: Projector Part Locations

Projector Parts - Remote Control



1 **On** button (turns on the projector)

2 **Standby** button (turns off the projector)

3 Source buttons (select an image source) (BNC button not available)

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

5 **Auto** button (automatically adjusts computer images)

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

7 **Test Pattern** button (displays a test pattern)

8 **Lens Shift** button (adjusts the image position)

9 **Zoom** button (changes the image size)

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

11 Arrow buttons (move through on-screen options and move pointer)

12 ↵ Enter button (selects options)

13 **A/V Mute** button (turns the video and audio on or off)

14 **Page** up and down buttons (scroll through image files when projecting from a computer over a network connection)

15 **Volume** up and down buttons (adjust volume)

16 **i** button (displays the Info menu)

17 **User1**, **User2**, and **User3** buttons (open menu assigned by user)

18 Numeric buttons (enter numbers)

19 **ID** button (display the projector ID and the remote ID)

20 **ID** switch (enables ID settings for the remote control)

21 Remote port (connects to an optional remote control cable)

22 **Home** button (displays the Home screen)

23 **Num** button (hold down and use numeric keys to enter numbers)

24 **Geometry** button (corrects image distortion)

25 **Memory** button (saves and applies presets)

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

27 **Default** button (resets settings to their default values in the projector menu system)

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

29 **Focus** button (adjusts the image focus)

30 **Split** button (splits the screen between two inputs)

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

32 **Search** button (searches for connected sources)

33 Light button (lights up the remote control buttons temporarily)

34 Indicator light (lights up when the remote control is in use)

35 Remote control signal emitter (emits remote control signals)

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
Attaching and Removing a Lens
Attaching and Removing the Cable Cover
Installing Batteries in the Remote Control

Projector Placement

You can place the projector on almost any flat surface to project an image.

You can also install the projector in a ceiling mount if you want to use it in a fixed location.

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

- Place the projector on a sturdy, level surface or install it using a compatible mount.
- Leave plenty of space around and under the projector for ventilation, and do not place it on top of or next to anything that could block the vents.
- Position the projector within reach of a grounded electrical outlet or extension cord.

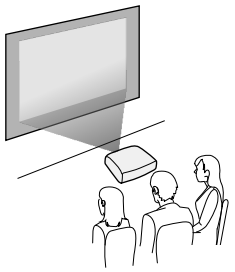
Projector Setup and Installation Options
Projection Distance

Parent topic: Setting Up the Projector

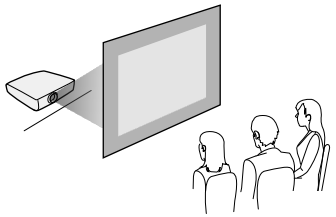
Projector Setup and Installation Options

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

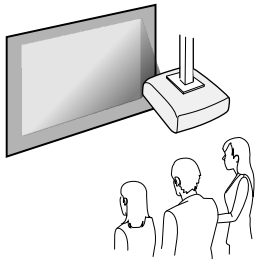
Front



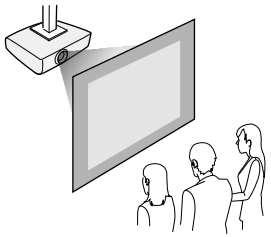
Rear



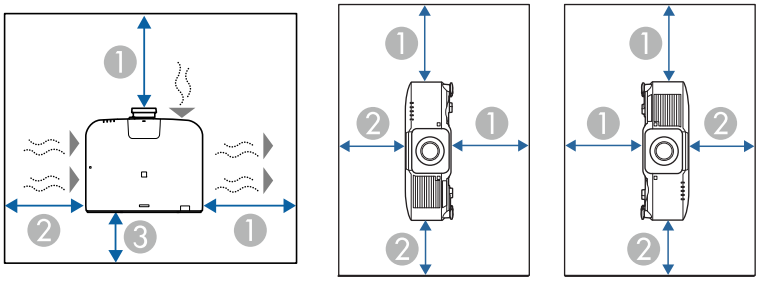
Front ceiling



Rear ceiling



Caution: Be sure to leave the following amount of space around the projector to avoid blocking the air exhaust and intake vents.



1 11.8 inches (30 cm)

2 7.9 inches (20 cm)

3 3.9 inches (10 cm)

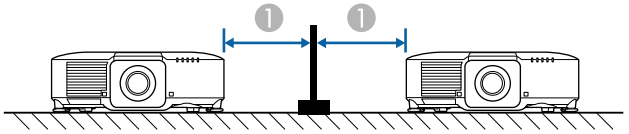
If you are installing multiple projectors next to each other, be sure to leave at least 28 inches (70 cm) of space between the projectors. Also, make sure heated air from an exhaust vent does not go into the air intake vent of another projector.



1 28 inches (70 cm)

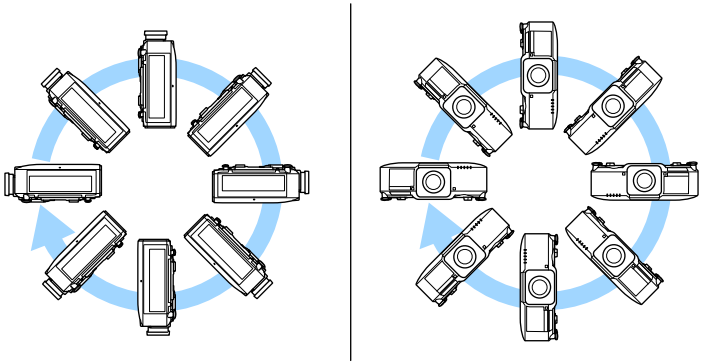
Note: If the optional external camera is installed, be sure to leave at least 30 inches (75 cm) of space between the projectors.

With a partition:



1 28 inches (70 cm)

You can mount the projector to the ceiling at any horizontal or vertical angle.



If you project from the ceiling or from the rear, select the correct **Projection** setting and, if necessary, adjust the **OSD Rotation** setting.

Parent topic: Projector Placement

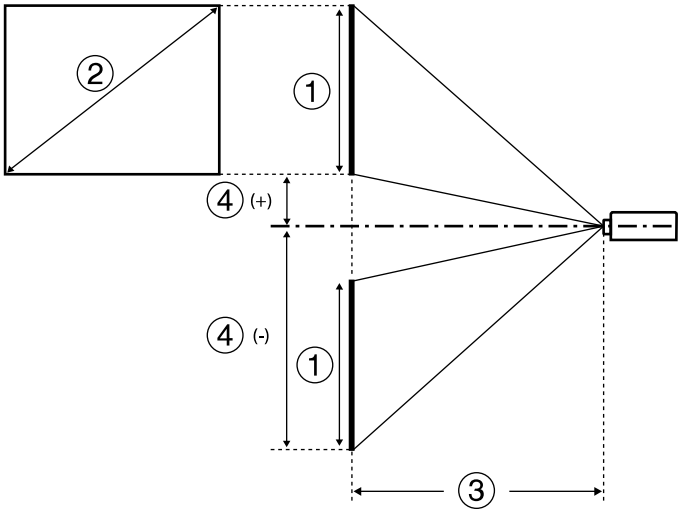
Related references

Projector Setup Settings - Extended Menu

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.

Use the tables here 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).



1 Screen
2 Screen size
3 Projection distance
4 Distance from the center of the lens to the bottom of the screen

EB-PU1006W/EB-PU1007B/EB-PU1007W/EB-PU1008B/EB-PU1008W (with standard lens ELPLM08)

16:10 Aspect Ratio Image or Screen		
Screen size (2)	**Projection distance (3)** **Wide to Tele (Minimum to Maximum)**	**Vertical lens shift (4)** **Top to bottom**
50 inches	60 to 98 inches (153 to 248 cm)	–31.1 to 4.7 inches (–79 to 12 cm)

16:10 Aspect Ratio Image or Screen		
Screen size (2)	**Projection distance (3)** **Wide to Tele (Minimum to Maximum)**	**Vertical lens shift (4)** **Top to bottom**
60 inches	73 to 117 inches (185 to 298 cm)	–37.4 to 5.5 inches (–95 to 14 cm)
80 inches	98 to 157 inches (248 to 399 cm)	–50.0 to 7.5 inches (–127 to 19 cm)
100 inches	122 to 197 inches (311 to 500 cm)	–62.2 to 9.4 inches (–158 to 24 cm)
120 inches	147 to 237 inches (374 to 601 cm)	–74.8 to 11.4 inches (–190 to 29 cm)
150 inches	185 to 296 inches (469 to 753 cm)	–93.7 to 14.2 inches (–238 to 36 cm)
200 inches	247 to 396 inches (627 to 1005 cm)	–124.8 to 18.9 inches (–317 to 48 cm)
250 inches	309 to 495 inches (785 to 1258 cm)	–155.9 to 23.2 inches (–396 to 59 cm)
300 inches	371 to 594 inches (943 to 1510 cm)	–187.0 to 28.0 inches (–475 to 71 cm)
500 inches	620 to 992 inches (1576 to 2520 cm)	–311.8 to 46.9 inches (–792 to 119 cm)
800 inches	994 to 1589 inches (2524 to 4035 cm)	–498.8 to 74.8 inches (–1267 to 190 cm)
1000 inches	1243 to 1986 inches (3157 to 5044 cm)	–623.6 to 93.7 inches (–1584 to 238 cm)

EB-PU2010B/EB-PU2010W (with standard lens ELPLM15)

16:10 Aspect Ratio Image or Screen		
Screen size (2)	**Projection distance (3)** **Wide to Tele (Minimum to Maximum)**	**Vertical lens shift (4)** **Top to bottom**
60 inches	78 to 128 inches (199 to 326 cm)	–35.0 to 3.1 inches (–89 to 8 cm)
80 inches	106 to 172 inches (268 to 438 cm)	–46.9 to 4.3 inches (–119 to 11 cm)
100 inches	133 to 216 inches (337 to 549 cm)	–58.3 to 5.5 inches (–148 to 14 cm)
120 inches	160 to 260 inches (406 to 661 cm)	–70.0 to 6.3 inches (–178 to 16 cm)
150 inches	200 to 326 inches (509 to 828 cm)	–87.4 to 7.9 inches (–222 to 20 cm)
200 inches	269 to 435 inches (682 to 1106 cm)	–116.5 to 10.6 inches (–296 to 27 cm)
250 inches	337 to 545 inches (855 to 1385 cm)	–145.7 to 13.4 inches (–370 to 34 cm)
300 inches	404 to 655 inches (1027 to 1663 cm)	–174.8 to 16.1 inches (–444 to 41 cm)
500 inches	676 to 1093 inches (1717 to 2777 cm)	–291.7 to 5.9 inches (–741 to 15 cm)

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 Video Sources
Connecting to Computer Sources
Connecting to an HDBaseT Transmitter
Connecting to External Speakers

Parent topic: Setting Up the Projector

Related references

Projector Setup Settings - Extended Menu

Connecting to Video Sources

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

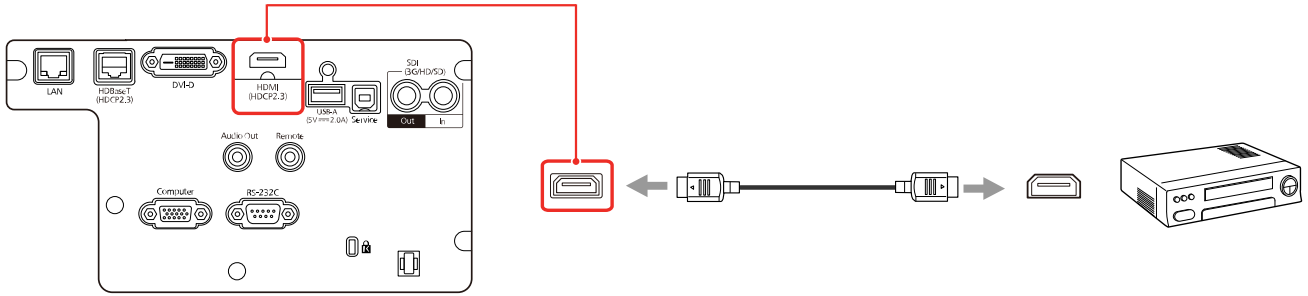
Connecting to an HDMI Video Source
Connecting to an SDI Video Source
Connecting to a Component Video Source

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.

1. Connect the HDMI cable to your video source's HDMI output port.
2. Connect the other end to the projector's **HDMI** port.

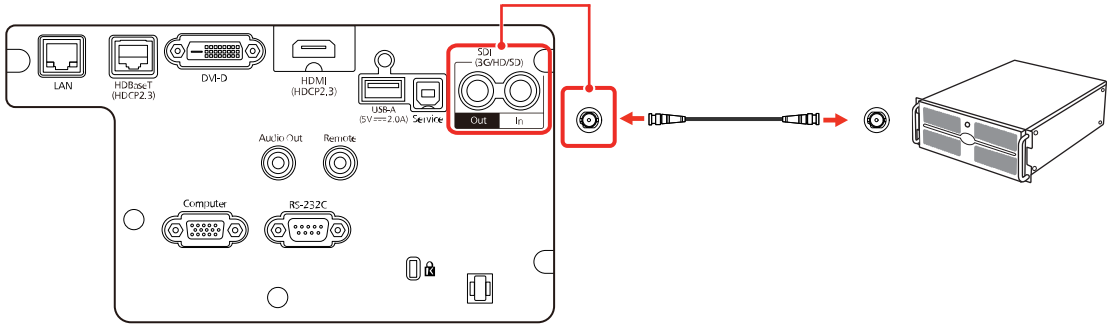


Parent topic: Connecting to Video Sources

Connecting to an SDI Video Source

If your video source has an SDI port, you can connect it to the projector using an optional BNC video cable (EB-PU2010B/EB-PU2010W only).

1. Connect the BNC video cable to your video source's SDI output port.
2. Connect the other end to the projector's **SDI** port.

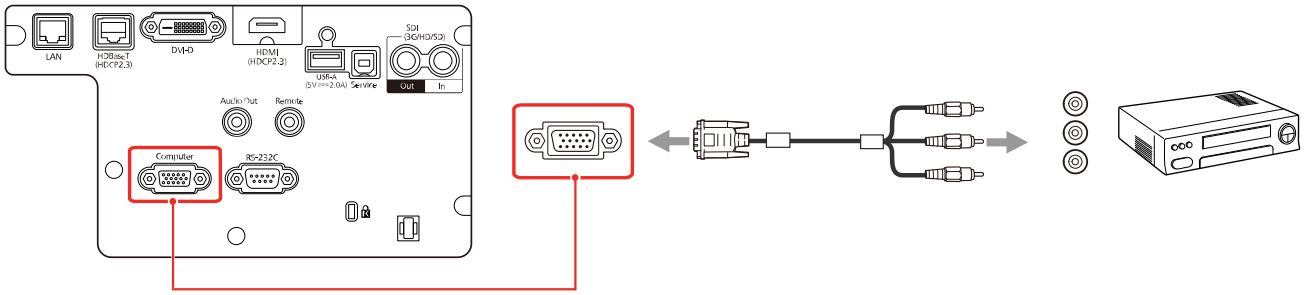


Parent topic: Connecting to Video Sources

Connecting to a Component Video Source

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

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



3. Tighten the screws on the VGA connector.

Parent topic: Connecting to Video Sources

Connecting to Computer Sources

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

Connecting to a Computer for VGA Video
Connecting to a Computer for HDMI Video and Audio
Connecting to a Computer for DVI-D Video

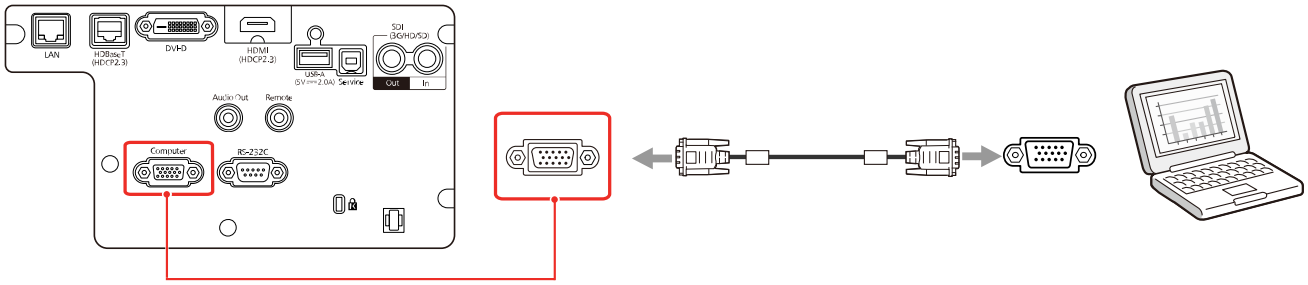
Parent topic: Projector Connections

Connecting to a Computer for VGA Video

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

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

1. If necessary, disconnect your computer's monitor cable.
2. Connect the VGA computer cable to your computer's monitor port.
3. Connect the other end to the **Computer** port on the projector.



4. Tighten the screws on the VGA connector.

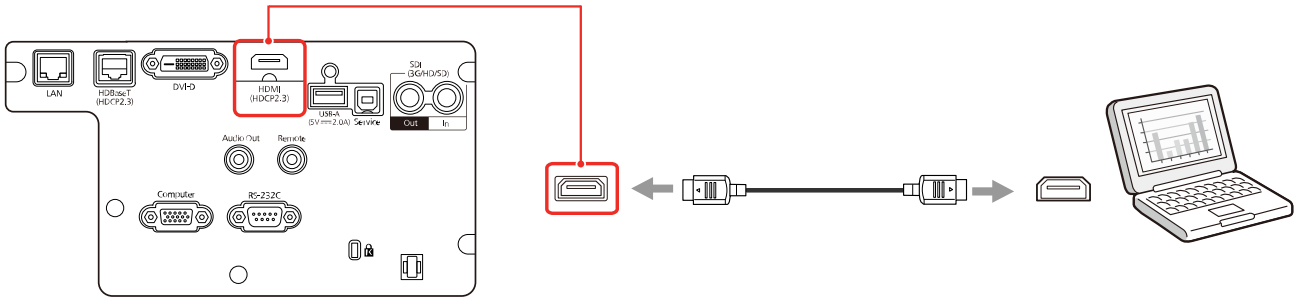
Parent topic: Connecting to Computer Sources

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 the projector's **HDMI** port.

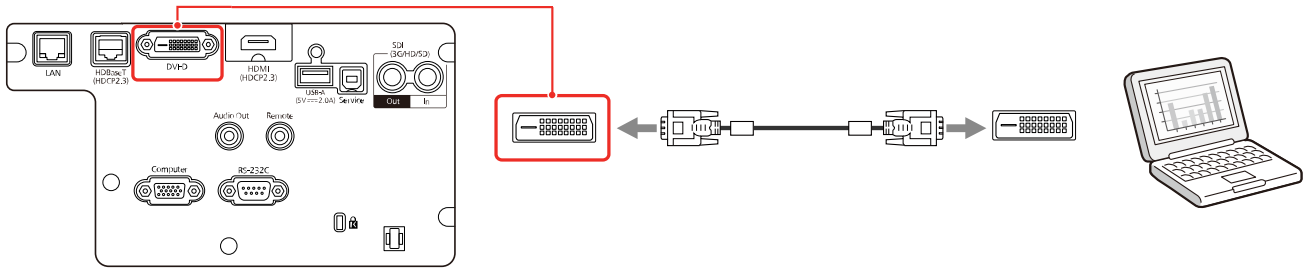


Parent topic: Connecting to Computer Sources

Connecting to a Computer for DVI-D Video

If your computer has a DVI-D connector, you can connect it to the projector using an optional DVI-D cable.

1. Connect the DVI-D cable to your computer's DVI-D connector.
2. Connect the other end to the projector's **DVI-D** connector.



Parent topic: Connecting to Computer Sources

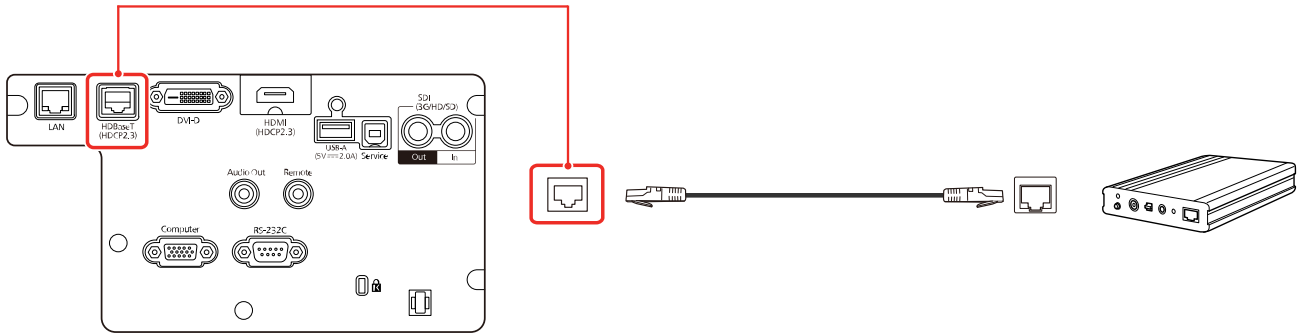
Connecting to an HDBaseT Transmitter

To send an HDMI or RS-232C signal over a long distance, you can connect the projector to an optional HDBaseT transmitter using a 100Base-TX network cable. This is useful when you want to send a signal to or control the projector from a remote location, such as in a hall or event site, since you can use a network cable up to 328 feet (100 m) in length. To ensure proper data transmission, use a Category 5e STP cable or better.

1. Turn off the projector and HDBaseT transmitter.

   Note: Make sure the projector and HDBaseT transmitter are turned off when connecting or disconnecting a network cable between the two devices.

2. Connect one end of the network cable to the **HDBaseT** port on the transmitter.
3. Connect the other end to the projector's **HDBaseT** port.



   Note: See the documentation that came with the HDBaseT transmitter for instructions on connecting it to your video device or computer.

4. Turn on the projector and HDBaseT transmitter.

Note: Make sure **Always On** is selected as the A/V Settings option in the Extended menu to enable the HDBaseT port. To enable communication from the Ethernet and serial ports on the transmitter, select **On** as the **Control Communications** setting in the projector's Extended menu. Turning on this setting disables the projector's **LAN**, **RS-232C**, and **Remote** ports. If you connected an Extron XTP transmitter or switcher to the projector's **HDBaseT** port, select **On** as the **Extron XTP** setting in the projector's Extended menu.

Parent topic: Projector Connections

Related references

Projector Setup Settings - Extended Menu

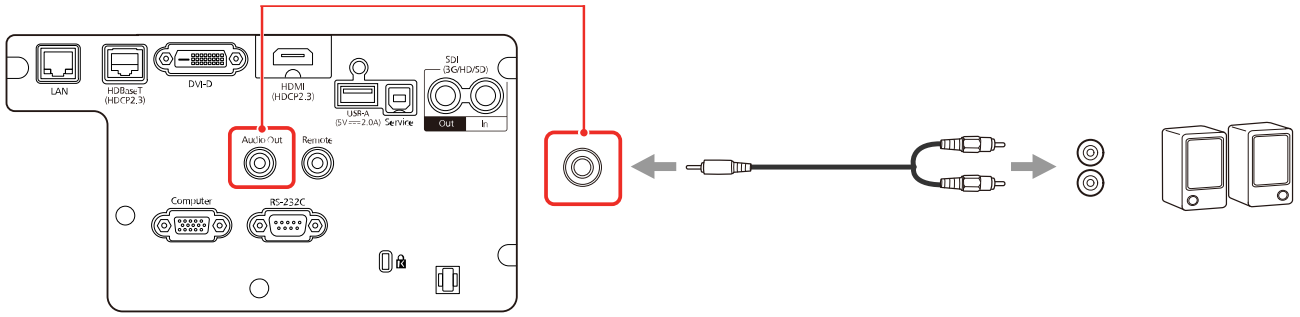
Connecting to External Speakers

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 **Communication On** for the **Standby Mode** setting and **Always On** for the **A/V Output** setting in the projector's Extended menu.

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: Projector Connections

Related references

Projector Setup Settings - Extended Menu

Attaching and Removing a Lens

Follow the instructions in these sections to attach or remove a compatible lens.

Warning: Make sure you turn off the projector and unplug the power cord before attaching or removing a lens. Otherwise, you may receive an electric shock.

Attaching a Lens
Removing a Lens

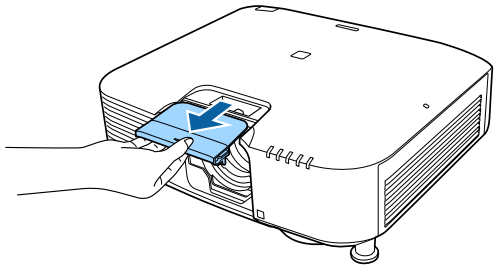
Parent topic: Setting Up the Projector

Attaching a Lens

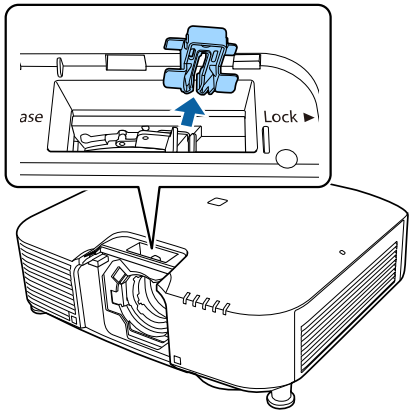
You can attach a compatible lens to the projector.

Caution: Unplug the power cord from the projector before attaching the lens. Avoid touching the lens with your bare hands to prevent fingerprints on or damage to the lens surface.

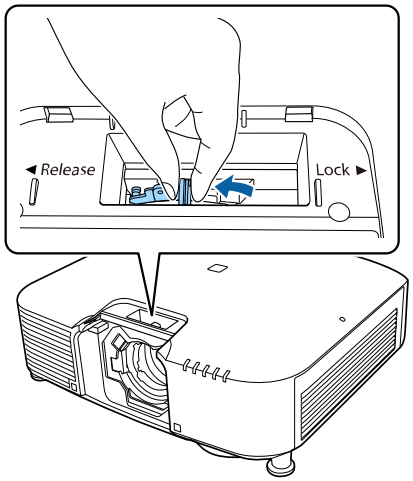
1. Pull the lens cover off of the projector.



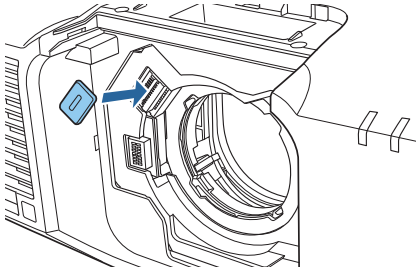
2. Remove the stopper, if necessary.



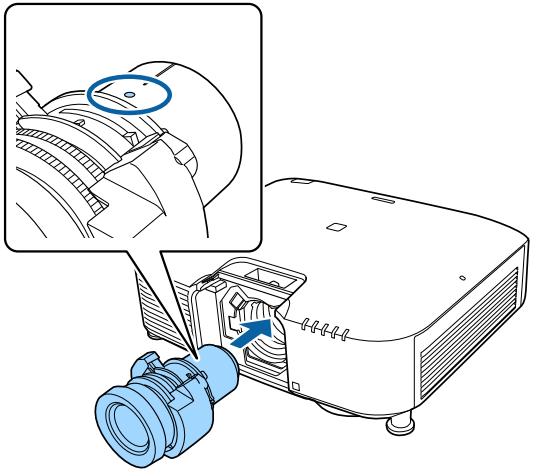
3. Pinch the lock lever and move it to the **Release** position.



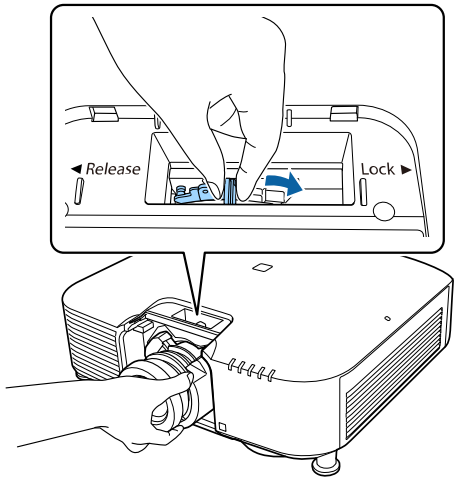
Note: When using one of the following lenses, attach the lens connector cap: ELPLS04, ELPLU02, ELPLR04, ELPLW04, ELPLM06, ELPLM07, or ELPLL07.



4. Insert the lens straight into the projector's lens socket with the white dot facing up.

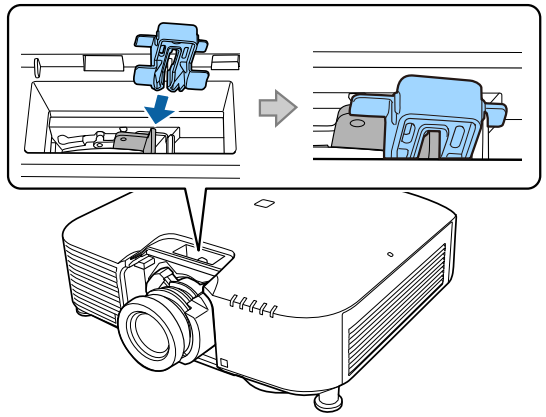


5. Hold the lens firmly after it is fully inserted, then pinch the lock lever and move it to the **Lock** position.

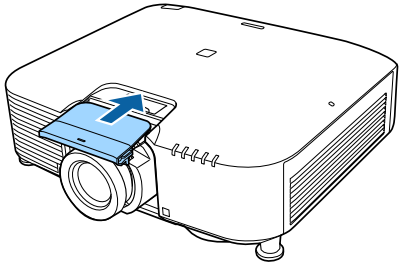


Note: Make sure the lens is securely attached.

6. Reattach the stopper.



7. Replace the lens cover.



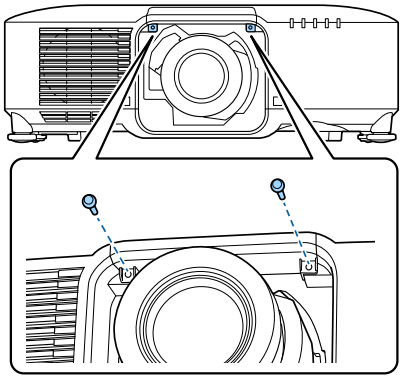
8. If prompted, select **Yes** to calibrate the lens.

   Note: If no message appears after attaching the lens, perform lens calibration by holding down the **Default** button on the remote control for approximately 3 seconds, or you can go to **Extended** > **Operation** > **Lens Calibration** in the projector menu.

   Note: Lens calibration helps the projector to correctly acquire the lens position and adjustment range, and can take up to 100 seconds to complete. When calibration is finished, the lens returns to the same position it was in before calibration (ELPLX01/ELPLX01S, ELPLX01W/ELPLX01WS, ELPLX02/ELPLX02S, ELPLX02W/ELPLX02WS returns to the standard position).

9. When using one of the following lenses, select the lens type in the **Extended** menu: ELPLS04, ELPLU02, ELPLR04, ELPLW04, ELPLM06, ELPLM07, or ELPLL07.

If projecting down, we recommend securing the lens cover with commercially available screws (M3×12mm).



Parent topic: Attaching and Removing a Lens

Related references

Optional Equipment and Replacement Parts

Related tasks

Setting the Lens Type

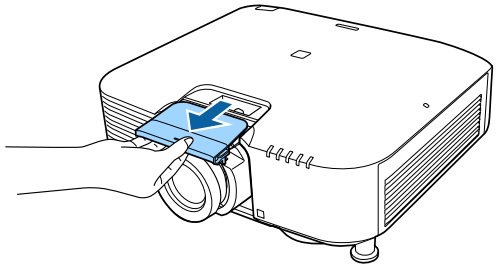
Removing a Lens

You can remove a lens to replace it with a different lens.

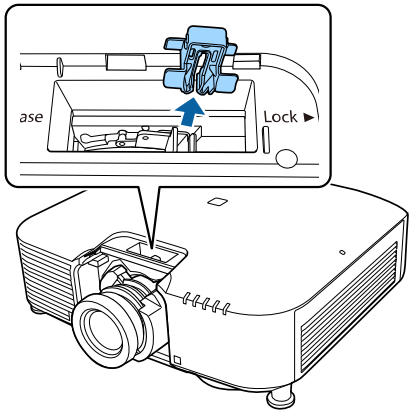
Warning: Wait at least 30 minutes to remove or replace the lens after turning off the projector. Touching the lens unit before it cools down may cause burns.

Caution: Remove the lens only when necessary and make sure the front of the projector is not facing up when you remove the lens. This prevents dirt or dust from entering the projector and lowering the projection quality. Avoid touching the lens with your bare hands to prevent fingerprints on or damage to the lens surface.

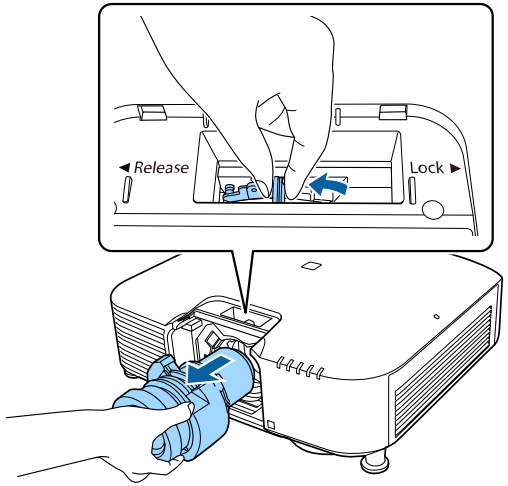
1. Press and hold the **Lens Shift** (remote control) or **Lens** (control panel) button for approximately 3 seconds to move the lens to the center position.
2. Turn off the projector and unplug the power cord.
3. Pull the lens cover off of the projector.



4. Remove the stopper, if necessary.



5. Hold the lens firmly as you pinch the lock lever and move it to the **Release** position. Then, gently pull the lens straight out of the projector.

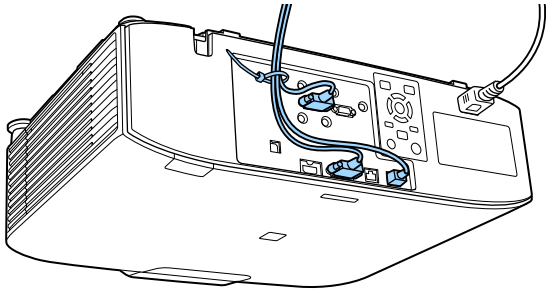


Parent topic: Attaching and Removing a Lens

Attaching and Removing the Cable Cover

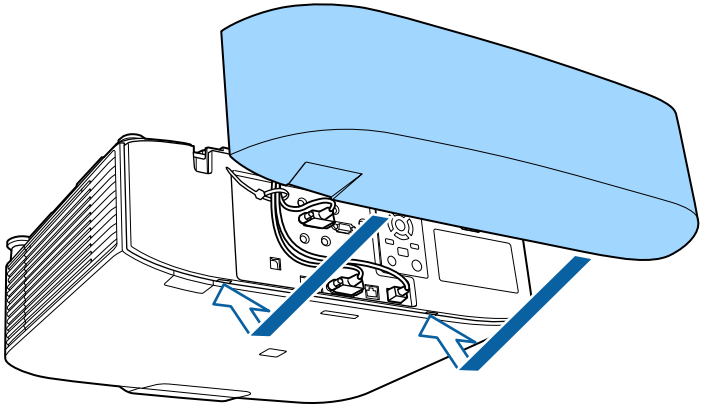
You can attach the cable cover that came with your projector to hide the attached cables from view.

1. Bundle the cables together using a band or other fastener (not provided).

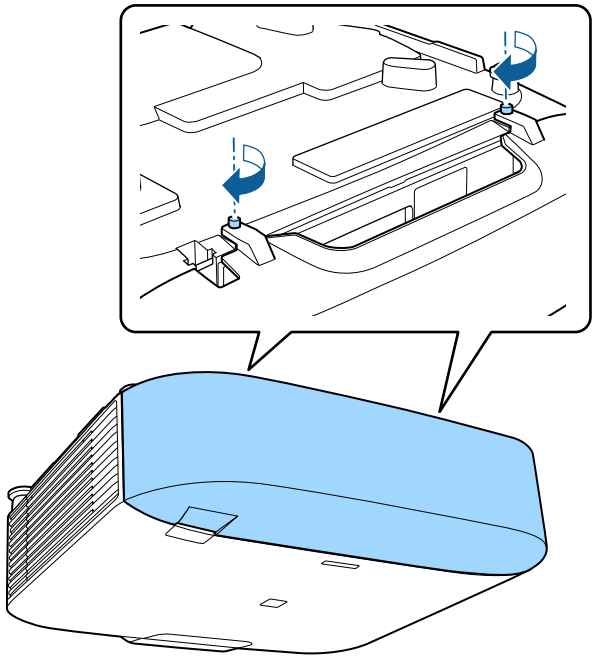


Caution: Do not bundle the power cord to the other cables. Otherwise, a fire may occur.

2. Place the cable cover on the projector as shown, guiding the cables through the notch on the base of the cable cover.



3. Tighten both cable cover screws.



To remove the cover, loosen both screws and pull the cover off of the projector.

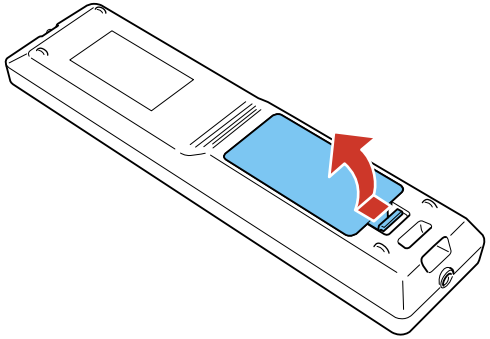
Parent topic: Setting Up the Projector

Installing Batteries in the Remote Control

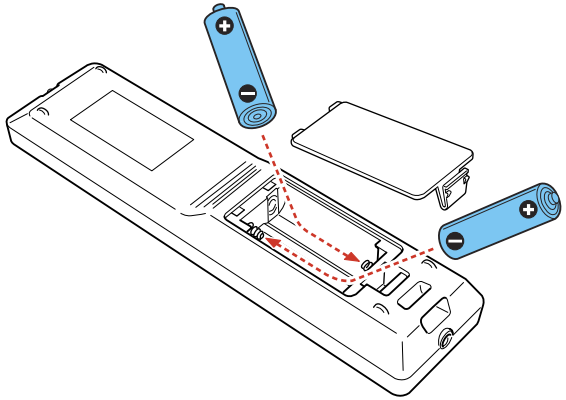
The remote control uses the two AA batteries that came with the projector. Replace the batteries as soon as they run out.

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.

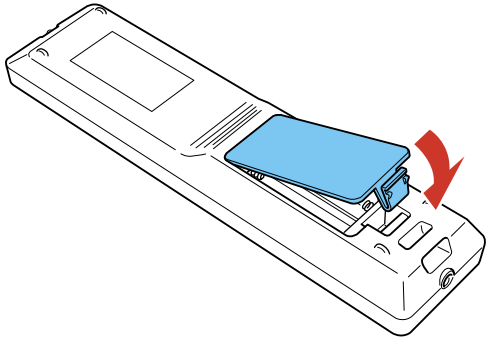


2. Insert the batteries with the **+** and **–** ends facing as shown.



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.

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
Setting Up Projector Network E-Mail Alerts
Selecting Other Network Settings
Controlling a Networked Projector Using a Web Browser
Controlling a Networked Projector in Content Playback Mode
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

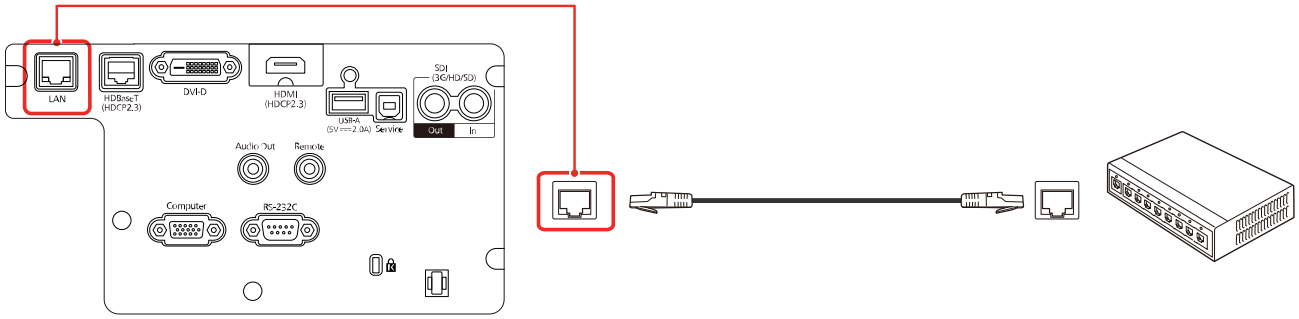
Additional Projector Software and Manuals

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.



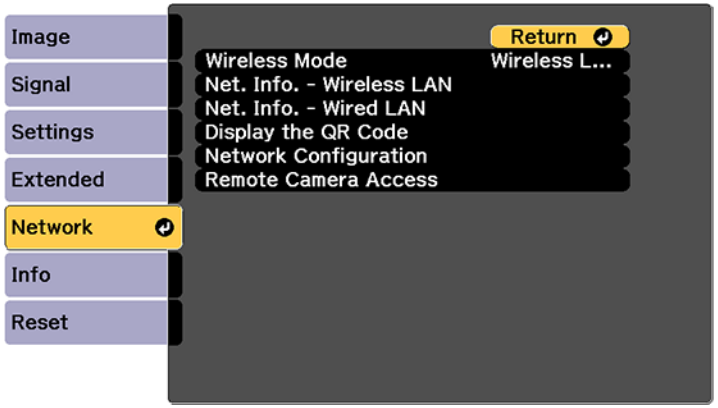
Parent topic: Wired Network Projection

Selecting Wired Network Settings

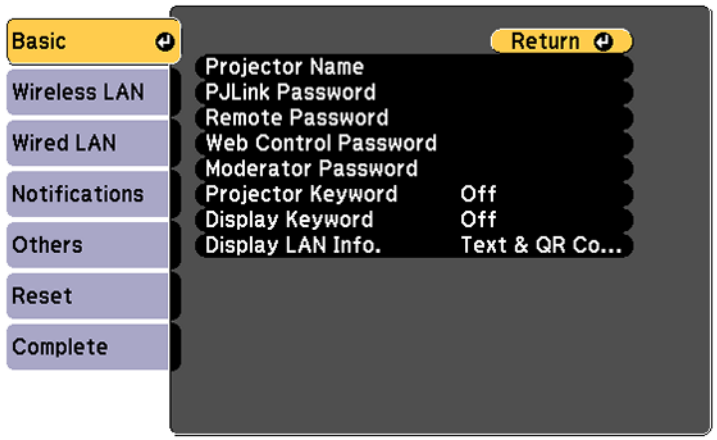
Before you can project from computers on your network, you must select the network settings for the projector using its menu system.

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

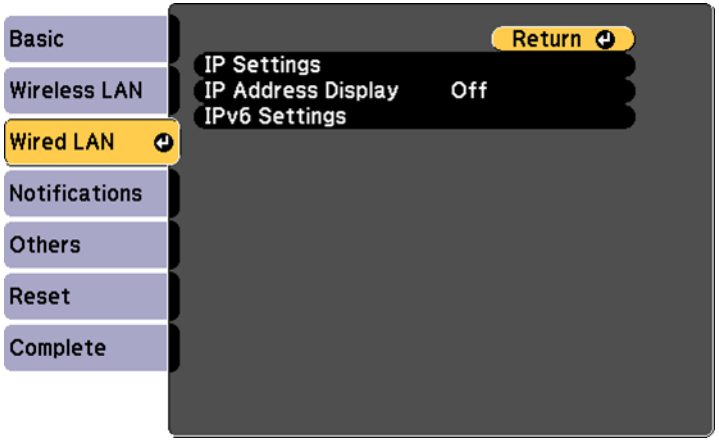


6. Select the following basic options as necessary:
   - **Projector Name** lets you enter a name up to 16 alphanumeric characters long to identify the projector over the network.
   - **PJLink Password** lets you enter a password up to 32 alphanumeric characters long for using the PJLink protocol for projector control.
   - **Remote Password** lets you enter a password up to 8 alphanumeric characters long for accessing the projector using Basic Control. (Default user name is **EPSONREMOTE**; default password is the projector's serial number.)
   - **Web Control Password** lets you enter a password up to 8 alphanumeric characters long for accessing Epson Web Control. (Default user name is **EPSONWEB**; default password is the projector's serial number.)
   - **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.
   - **Projector Keyword** lets you turn on a security password to prevent access to the projector by anyone not in the room with it. The projector displays a random keyword that you must enter from a computer using the Epson iProjection (Windows/Mac) software or an iOS or Android device using the Epson iProjection app.

- **Display Keyword** lets you display a keyword on the projected image when accessing the projector from a computer using the Epson iProjection (Windows/Mac) software or an iOS or Android device using the Epson iProjection app.
- **Display LAN Info** lets you select how the projector displays network information. You can select an option to display a QR code that lets you quickly connect your iOS or Android devices using the Epson iProjection app.

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

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



8. 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**.

9. To prevent display of the IP address on the standby screen, turn off **IP Address Display**.
10. To connect the projector to the network using IPv6, select **On** as the **IPv6 Settings** option. Then select the **Auto Configuration** and **Use Temporary Address** settings as necessary.

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

Parent topic: Wired Network Projection

Wireless Network Projection

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

Note: The Epson 802.11b/g/n wireless LAN module is not included with your projector and is optional.

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.

Installing the Wireless LAN Module
Using a QR Code to Connect a Mobile Device
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

Parent topic: Using the Projector on a Network

Related references

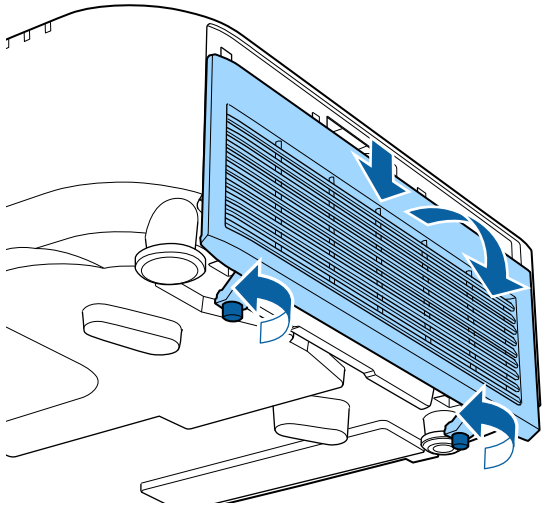
Additional Projector Software and Manuals
Optional Equipment and Replacement Parts

Installing the Wireless LAN Module

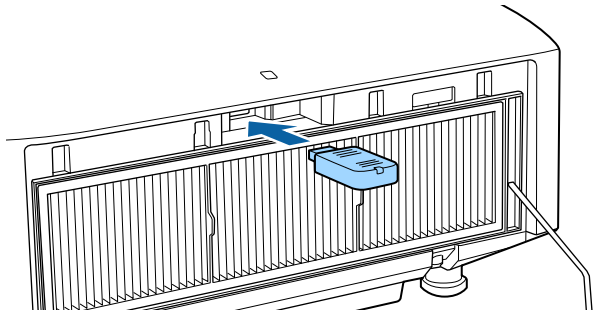
To use the projector over a wireless network, install the optional Epson 802.11b/g/n wireless LAN module. Do not install any other type of wireless LAN module.

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

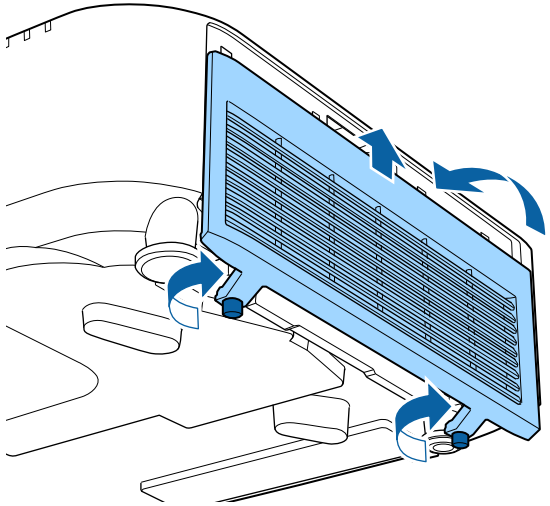
1. Turn off the projector and unplug the power cord.
2. Loosen the screws and remove the air filter cover as shown (it is attached with a tether).



3. Insert the wireless LAN module into the port.



4. Replace the air filter cover as shown and tighten the screws.



5. Plug in and turn on the projector.

Parent topic: Wireless Network Projection

Related references

Optional Equipment and Replacement Parts

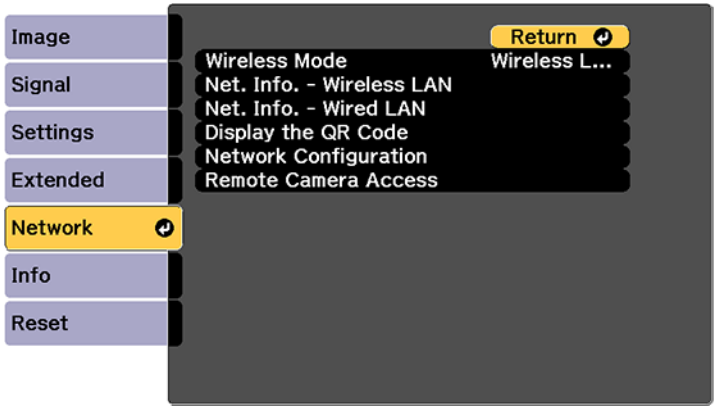
Using a QR Code to Connect a Mobile Device

After you select the wireless network settings for your projector, you can display a QR code on the screen and use it to connect a mobile device using the Epson iProjection app.

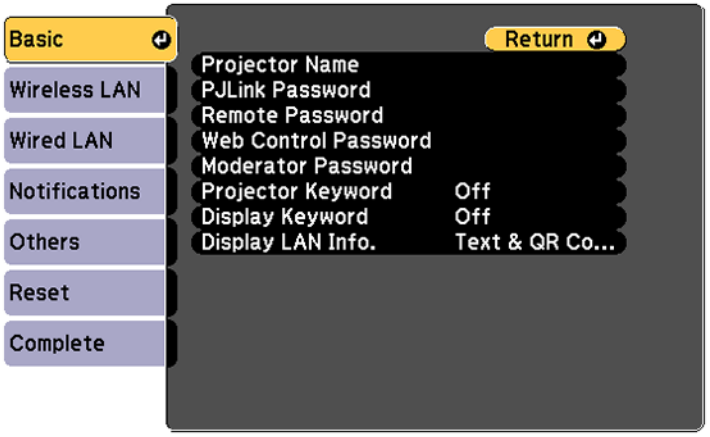
Note: Make sure you have installed the latest version of Epson iProjection on your device. Visit epson.com/iprojection (U.S.), epson.ca/iprojection (Canada), or latin.epson.com/iprojection (Caribbean) for more information.

1. Press the **Menu** button.

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



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



5. Set the **Display LAN Info** setting to **Text & QR Code**.
6. Select **Complete** and follow the on-screen instructions to save your settings and exit the menus.

7. Do one of the following:
   - Press the **LAN** button on the remote control.
   - Select **Display the QR Code** in the projector's Network menu.
   - Press the **Home** button on the remote control and select **Display the QR Code** on the Home screen.

   Your projector displays the QR code on the projection surface.

   Note: If you do not see the QR code after pressing the **LAN** button, press ↵ **Enter** to display it.

8. Start Epson iProjection on your mobile device.
9. Use the QR code reader feature to read the QR code and connect your device to the projector. Visit epson.com/iprojection (U.S.), epson.ca/iprojection (Canada), or latin.epson.com/iprojection (Caribbean) for instructions.

Parent topic: Wireless Network Projection

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/Mac) software.

   Note: See the *Epson iProjection Operation Guide (Windows/Mac)* for instructions.

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

   You see the LAN standby screen.
4. Verify that an SSID and IP address are displayed.
5. Remove the wireless LAN module from the projector.
6. Insert the USB key into the same port used for the wireless LAN module.

   You see a projected message that the network information update is complete.

7. Remove the USB key.
8. Reinsert the wireless LAN module into the projector.
9. Insert the USB key into a USB port on your computer.

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

10. Follow the on-screen instructions to install the Epson iProjection (Windows/Mac) 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.
11. Run your presentation as necessary.
12. 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.

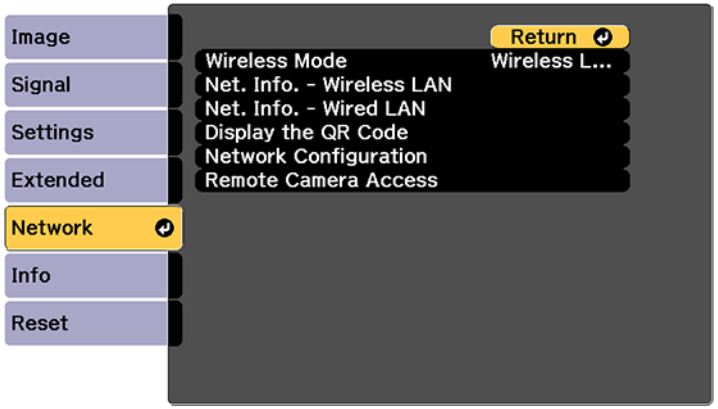
Parent topic: Wireless Network Projection

Selecting Wireless Network Settings Manually

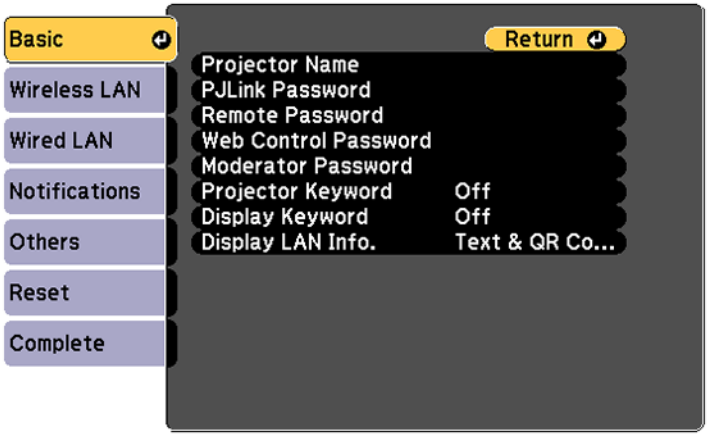
Before you can project from your wireless network, you must select the network settings for the projector using its menu system.

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

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



4. Set the **Wireless Mode** setting to **Wireless LAN On** and press **Enter**.
5. Select **Network Configuration** and press **Enter**.
6. Select the **Basic** menu and press **Enter**.

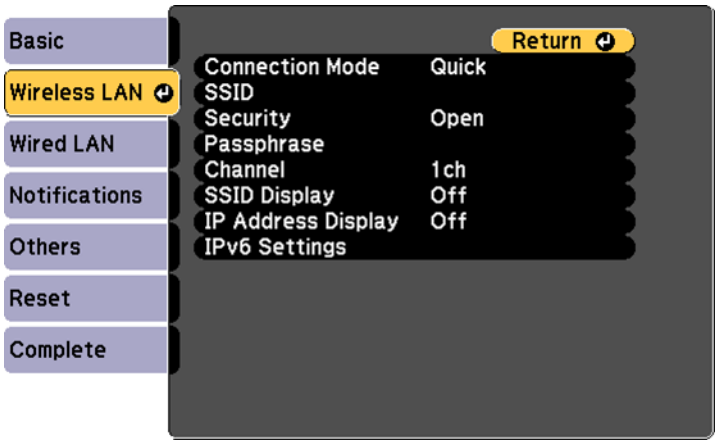


7. Select the following basic options as necessary:
   - **Projector Name** lets you enter a name up to 16 alphanumeric characters long to identify the projector over the network.

- **PJLink Password** lets you enter a password up to 32 alphanumeric characters long for using the PJLink protocol for projector control.
- **Remote Password** lets you enter a password up to 8 alphanumeric characters long for accessing the projector using Basic Control. (Default user name is **EPSONREMOTE**; default password is the projector's serial number.)
- **Web Control Password** lets you enter a password up to 8 alphanumeric characters long for accessing the projector over the web. (Default user name is **EPSONWEB**; default password is the projector's serial number.)
- **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.
- **Projector Keyword** lets you turn on a security password to prevent access to the projector by anyone not in the room with it. The projector displays a random keyword that you must enter from a computer using the Epson iProjection (Windows/Mac) software or an iOS or Android device using the Epson iProjection app.
- **Display Keyword** lets you display a keyword on the projected image when accessing the projector from a computer using the Epson iProjection (Windows/Mac) software or an iOS or Android device using the Epson iProjection app.
- **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.

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

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



9. Select the settings on the **Wireless LAN** menu as necessary for your network.
10. When you finish selecting settings, select **Complete** and follow the on-screen instructions to save your settings and exit the menus.

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

Wireless LAN Menu Settings

Parent topic: Wireless Network Projection

Wireless LAN Menu Settings

Setting	Options	Description
Connection Mode	**Quick** **Advanced**	Selects the type of wireless connection: **Quick**: lets you connect to multiple smartphones, tablets, or computers directly **Advanced**: lets you connect to multiple smartphones, tablets, or computers via a wireless network access point

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	Sets the SSID (network name) of the wireless LAN system the projector is connecting to
Security	**Open** **WPA2-PSK** **WPA3-PSK** **WPA2/WPA3-PSK** **WPA3-EAP** **WPA2/WPA3-EAP**	Selects the type of wireless security used in the wireless network (some options are only available when the **Connection Mode** setting is set to **Advanced**)
Passphrase	Between 8 to 63 alphanumeric characters	Enter a paraphrase for the wireless network
EAP Method	**EAP Type** **User name** **Password** **Client Certificate** **Verify Server Cert.** **CA certificate** **RADIUS Serv.Name**	Sets the EAP settings for WPA2-EAP and WPA/WPA2-EAP security
Channel	**1ch** **6ch** **11ch**	In **Quick** connection mode, selects the frequency band (channel) used by the wireless LAN

Setting	Options	Description
IP Settings	**DHCP** **IP Address** **Subnet Mask** **Gateway Address** **DNS Server 1** **DNS Server 2**	Turns on DHCP if your network assigns addresses automatically; set to **Off** to manually enter the network's **IP Address**, **Subnet Mask**, and **Gateway Address** (some options are only available when the **Connection Mode** setting is set to **Advanced**)
SSID Display	**On** **Off**	Selects whether to display the SSID on the network standby screen
IP Address Display	**On** **Off**	Selects whether to display the IP address on the network standby screen
IPv6 Settings	**IPv6** **Auto Configuration** **Use Temporary Address**	Selects the IPv6 settings when you connect the projector to the network using IPv6 The Epson Web Control and PJLink functions support IPv6.

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

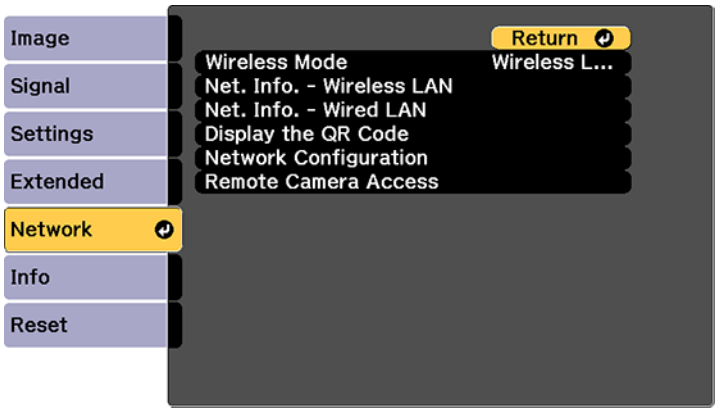
You can set up security for your projector to use on a wireless network. Set up one of the following security options to match the settings used on your network:

- WPA2-PSK (Quick connection mode)
- WPA3-PSK (Advanced connection mode)
- WPA3-EAP (Advanced connection mode)
- WPA2/WPA3-PSK (Advanced connection mode)
- WPA2/WPA3-EAP (Advanced connection mode)

Note: Contact your network administrator for guidance on entering the correct information.

1. If you want to set up WPA3-EAP or WPA2/WPA3-EAP security, make sure your digital certificate file is compatible with projector registration and placed directly on the USB storage device.
2. Press the **Menu** button.

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



4. Select **Network Configuration** and press **Enter**.
5. Select the **Wireless LAN** menu and press **Enter**.
6. Set the **Security** setting to match your network settings.
7. Do one of the following depending on the network security setting you selected:
   - **WPA2-PSK**, **WPA3-PSK**, or **WPA2/WPA3-PSK**: Select **Complete** and follow the on-screen instructions to save your settings and exit the menus. Skip the remaining steps.
   - **WPA3-EAP** or **WPA2/WPA3-EAP**: Select **EAP Method** and press **Enter**.
8. Select your authentication protocol as the **EAP Type** setting.
9. To import your certification, select the certificate type (either **Client Certificate** or **CA certificate**) and press **Enter**.

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

10. Select **Register** and press **Enter**.
11. Follow the on-screen instructions to connect a USB storage device to the projector's **USB-A** port.
12. Press **Enter** to display the certificate list.
13. Select the certificate to import from the displayed list.

    You see a message to enter the certificate password.

14. Enter a password and press **Enter**.

    You see a completion message after the certificate is imported.

15. Set the following EAP settings as necessary:
    - **User name** lets you enter a user name up to 64 alphanumeric characters long. To enter more than 32 characters, use your web browser.
    - **Password** lets you enter a password up to 64 alphanumeric characters long when using the PEAP, EAP-FAST, or LEAP protocols. To enter more than 32 characters, use your web browser.
    - **Verify Server Cert.** lets you select whether or not to verify the server certificate when a CA certificate has been set.
    - **RADIUS Serv.Name** lets you enter the server name to be verified.
16. When you finish selecting settings, select **Complete** and follow the on-screen instructions to save your settings and exit the menus.

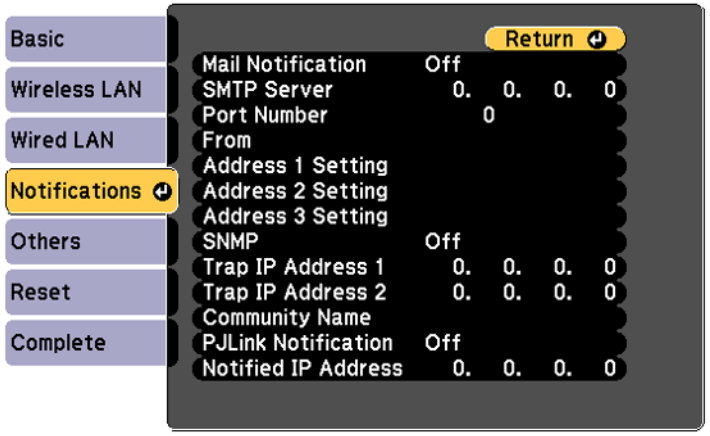
Parent topic: Wireless Network Projection

Setting Up Projector Network E-Mail Alerts

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

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

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



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

   Note: Do not use these addresses: 127.x.x.x or 224.0.0.0 through 255.255.255.255 (where x is a number from 0 to 255).

7. Select a number for the SMTP server **Port Number** setting, from 1 to 65535 (default is 25).
8. Enter the sender's email address as the **From** setting.
9. Choose an **Address Setting** field, enter the e-mail address, and select or deselect the alerts you want to receive there. Your e-mail address can be up to 32 alphanumeric characters long. Repeat for up to three addresses.
10. If you are using the PJLink protocol for projector control, turn on the **PJLink Notification** setting and enter the IP address where you want to receive PJLink notifications as the **Notified IP Address** setting.
11. When you finish selecting settings, select **Complete** and follow the on-screen instructions to save your settings and exit the menus.

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

Network Projector E-mail Alert Messages

Parent topic: Using the Projector on a Network

Network Projector E-mail Alert Messages

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

- The email address entered as the **From** setting
- **Epson Projector** on the subject line
- The name of the projector experiencing a problem
- The IP address of the affected projector
- Detailed information about the problem

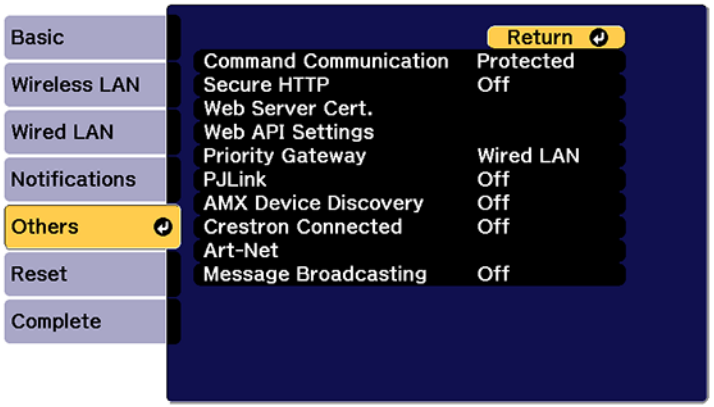
Note: If a critical problem causes a projector to shut down, you may not receive an e-mail alert.

Parent topic: Setting Up Projector Network E-Mail Alerts

Selecting Other Network Settings

You can select optional network settings on the Others menu.

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



5. If you want to use the Secure HTTP protocol to encrypt communication when using Web Control, turn on the **Secure HTTP** setting and import the web server certificate using the **Web Server Cert.** setting.
6. If you want to operate the projector using Web API, turn on the **Web API** setting. The username for API authentication is **EPSONWEB**; use the password that is set for the **Web Control Password**.
7. Select the **Priority Gateway** setting for your network.
8. If you want to monitor the projector using PJLink, turn on the **PJLink** setting.
9. If your network environment uses an AMX controller, turn on the **AMX Device Discovery** setting to allow the projector to be detected.
10. If your network environment uses a Crestron Connected controller, turn on the **Crestron Connected** setting to allow the projector to be detected.

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

11. If you want to control the projector using Art-Net (an Ethernet communication protocol based on TCP/IP), turn on the **Art-Net** setting.
12. If you want this projector to receive broadcast messages over the network, turn on the **Message Broadcasting** setting.
13. When you finish selecting settings, select **Complete** and follow the on-screen instructions to save your settings and exit the menus.

Parent topic: Using the Projector on a Network

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.

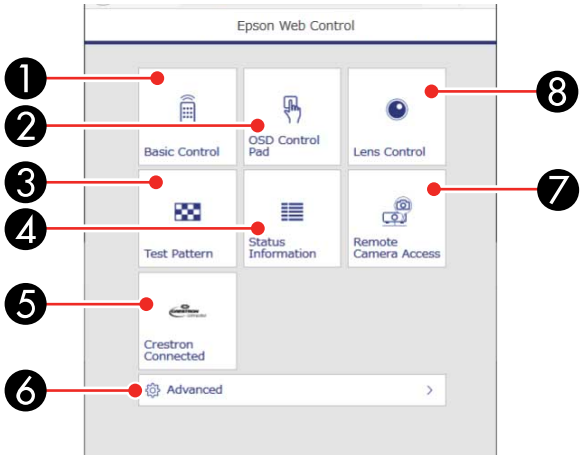
Note: The web setup and control features support Microsoft Internet Explorer 11.0 or later (Windows), Microsoft Edge (Windows), Safari (Mac), and Chrome (Android) on networks that do not use a proxy server for connection. You cannot select all of the projector menu settings or control all projector functions using a web browser.

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

1. Make sure the projector is turned on.
2. Start your web browser on a computer or device connected to the network.
3. Type the projector's IP address into the browser's address box and press the computer's **Enter** key.

   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. (The default user name is **EPSONWEB** and the default password is the projector's serial number.)

   You see the Epson Web Control screen.



1 Select **Basic Control** to control the projector remotely.

2 Select **OSD Control Pad** to change the projector's menu settings.

3 Select **Test Pattern** to display a test pattern.

4 Select **Status Information** to view the projector's status.

5 Select **Crestron Connected** to open the menu.

6 Select **Advanced** to open the advanced menu screen.

7 Select **Remote Camera Access** to display the image taken by the optional external camera.

8 Select **Lens Control** to adjust the lens (focus, zoom, and lens shift).

4. Select the option corresponding to the projector function you want to control.

Web Control Options

Viewing an Image Capture of the Displayed Image from a Remote Location

Parent topic: Using the Projector on a Network

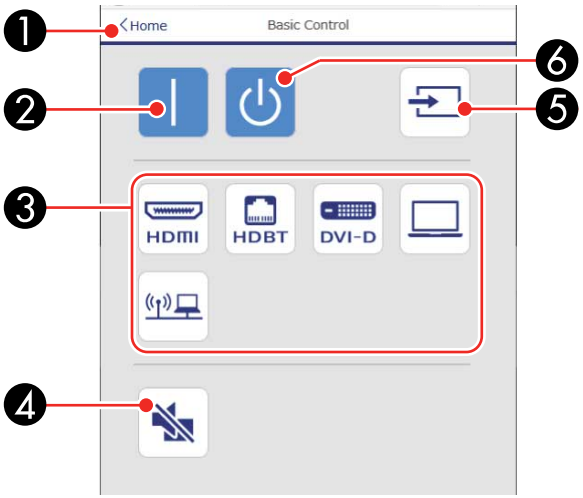
Related references

Projector Setup Settings - Extended Menu

Web Control Options

Basic Control

Note: If the Remote Password is set to **On**, you need to enter your user name and password. (The default username is **EPSONREMOTE** and the default password is the projector's serial number).



1 Returns to the Home screen

2 Turns on the projector

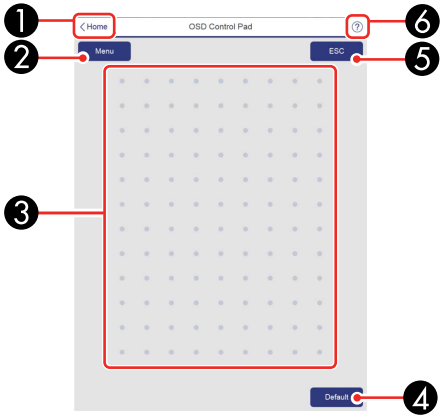
3 Input source selection controls

4 **A/V Mute** button control

5 Searches for sources

6 Turns off the projector

OSD Control Pad

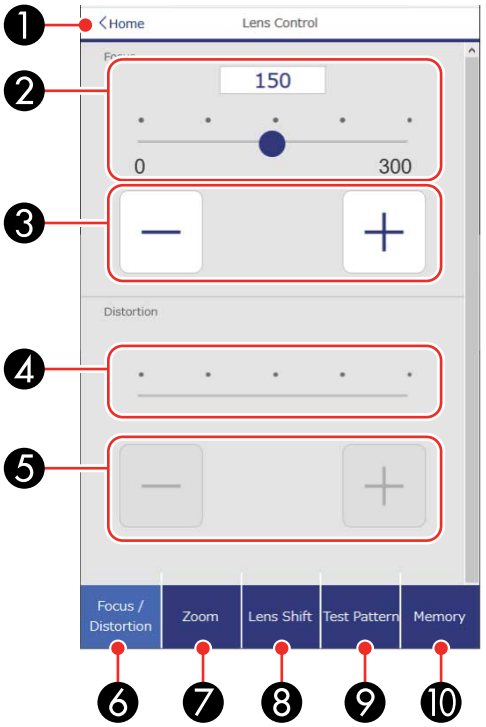


1 Returns to the Epson Web Control screen
2 Displays the projector's setting menus
3 Use your finger or mouse to navigate the menus
4 Returns projector to default settings
5 Returns to the previous menu
6 Displays help topics

Note: You cannot change some settings using Epson Web Control.

Lens Control

Focus/Distortion screen



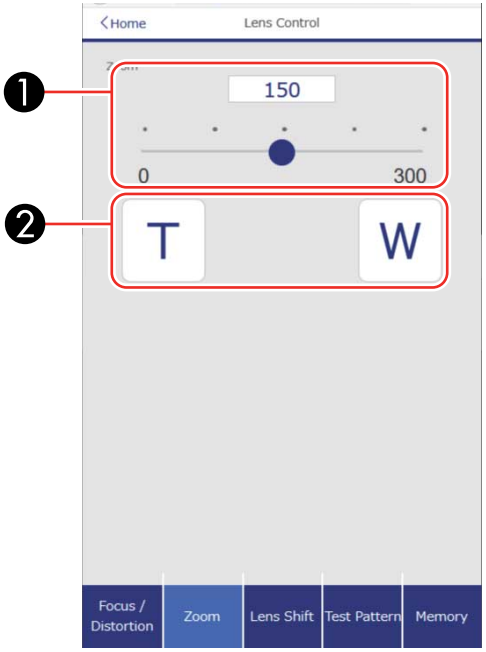
1 Returns to the Home screen
2 Focus adjustment slider
3 Focus adjustment buttons
4 Distortion adjustment slider
5 Distortion adjustment buttons
6 Displays the Focus/Distortion screen
7 Displays the Zoom screen
8 Displays the Lens Shift screen

9 Displays the Test Pattern screen

10 Displays the Memory screen

Zoom screen

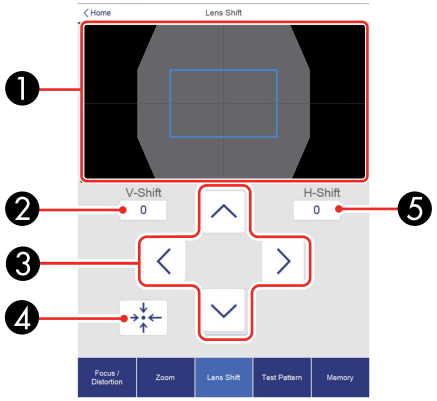
Note:



1 Zoom adjustment slider

2 Zoom adjustment buttons

Lens Shift screen



1 The blue square displays the current image position and the red square displays the new image position

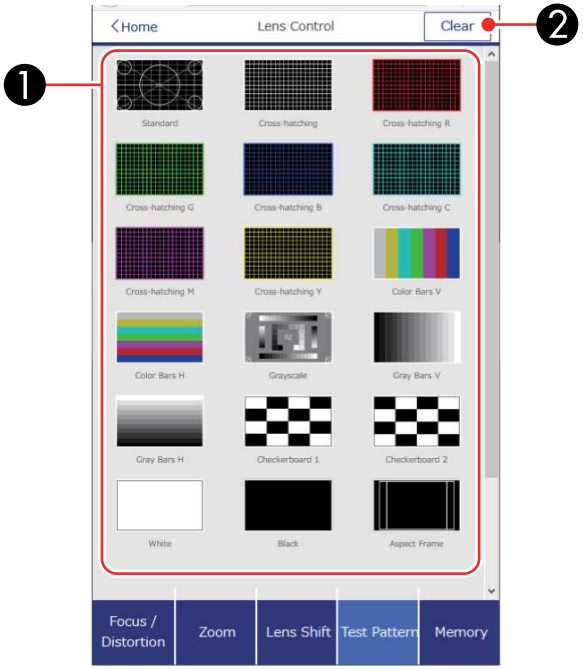
2 Displays the vertical image position; select to change the value

3 Moves the image position up, down, left, or right

4 Moves the lens to the home position

5 Displays the horizontal image position; select to change the value

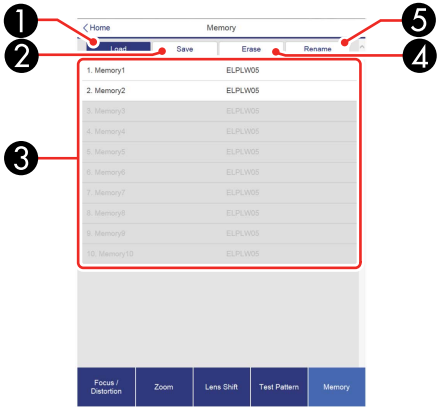
Test Pattern screen



1 Displays available test patterns; select to project a test pattern

2 Turns off test pattern display

Memory screen



1 Overwrites your current settings with saved settings

2 Saves your current settings to memory

3 Displays a list of saved memories

4 Erases a saved memory

5 Renames a saved memory

Status Information screen



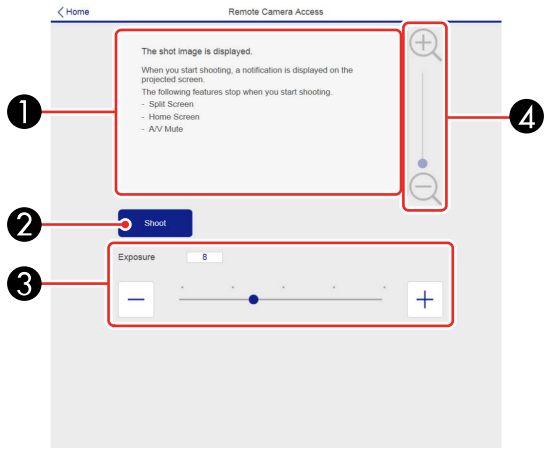
1 Returns to the Home screen

2 Displays a list of monitored settings

3 Displays the setting status

4 Select to view different status information

Remote Camera Access screen



1 Displays the image you captured using the **Shoot** button

2 Takes a picture of the projected image using the camera on the front of the projector

3 Adjusts the image exposure

4 Zooms in or out on the image you captured

Parent topic: Controlling a Networked Projector Using a Web Browser

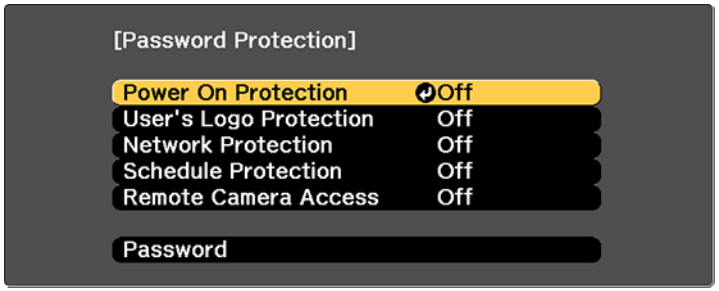
Viewing an Image Capture of the Displayed Image from a Remote Location

You can take an image capture of the projected image and view it from a remote location using the projector's built-in camera.

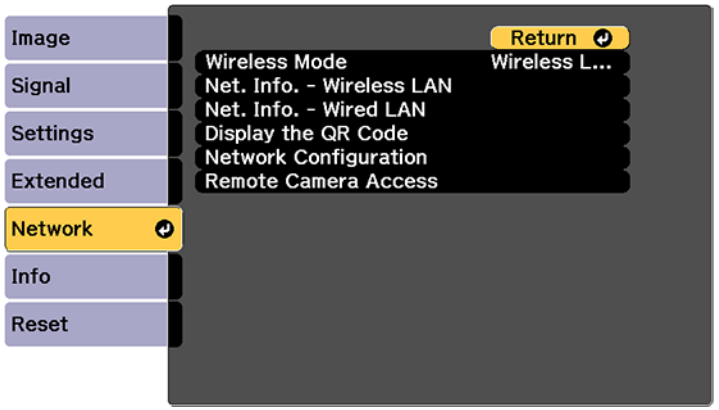
Note the following when using this feature:

- This feature is not supported when performing the following functions: Tiling, Tiling Assist, stacking assist tool, Screen Matching, Color Calibration, Lens Calibration, Message Broadcasting in the Epson Projector Management software.
- Using this feature cancels the following functions: Split Screen, Shutter, on-screen display (when the message is hidden).

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

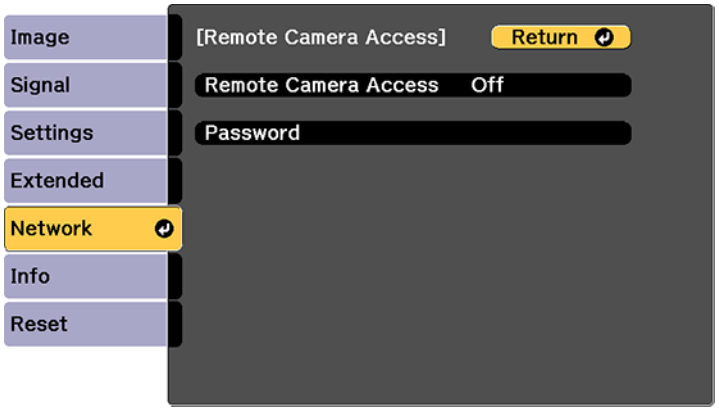


2. Make sure the **Remote Camera Access** setting is set to **Off,** then exit the menu.
3. Press the **Menu** button.
4. Select the **Network** menu and press ↵ **Enter**.



5. Select **Network Configuration** and select the **Others** menu.
6. Make sure the **Secure HTTP** setting is enabled and return to the Network menu.
7. Select **Remote Camera Access** and press ↵ **Enter**.

   You see a screen like this:

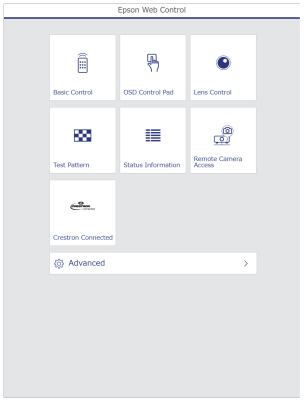


8. Select the **Password** setting and enter a password up to 32 alphanumeric characters long.

   Note: Do not use these characters in the password: * (asterisk), : (colon), or a space character.

9. Select **On** as the **Remote Camera Access** setting.
10. Open a web browser on a computer or mobile device connected to the projector over a network connection.
11. Enter the projector's IP address in your browser's address box to connect to Epson Web Control.

You see a screen like this:

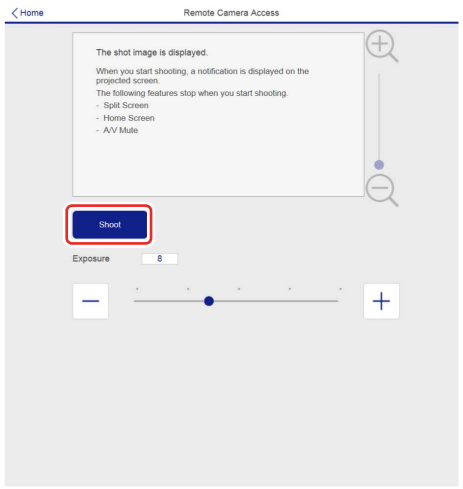


Note: You can view the projector's IP address by selecting **Net. Info. - Wireless LAN** or **Net. Info. - Wired LAN** on the Network menu.

12. Select **Remote Camera Access**.

Note: You may need to log in to access some of the options on the Epson Web Control screen. If you see a log in window, enter your user name and password. (The default user name is **EPSONWEB** and the default password is the projector's serial number.)

13. Click **Shoot** to take a capture of the projected image. (You cannot capture warning or caution messages.)



Note: If you see a password screen, enter the password you selected for remote camera access. You cannot perform any projector operations during shooting other than turning off the projector.

Parent topic: Controlling a Networked Projector Using a Web Browser

Controlling a Networked Projector in Content Playback Mode

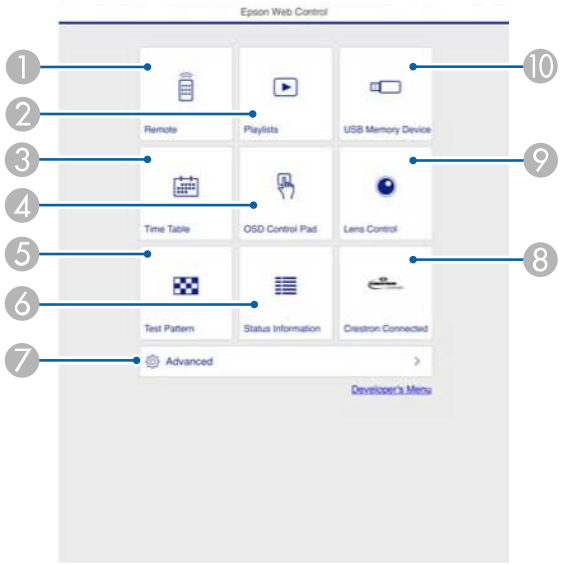
When Content Playback mode is turned on in the Settings menu, you can select projector settings, control projection, and edit playlists using a web browser.

Note: You can also control the projector using a web browser through the Epson iProjection app.

Note: Do not remove any USB device connected to the projector or unplug the power cord when the Playlists or USB Memory Device screen is displayed; data saved on the USB device may be damaged.

1. Make sure the projector is operating in **Content Playback** mode.
2. Make sure the projector is turned on and your computer or device is connected to the same network as the projector.
3. Start your web browser on the computer or device.

4. 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.



1	Controls the projector remotely
2	Edits playlists for Content Playback mode
3	Opens the Time Table screen
4	Operates the projector's menus with your finger or a mouse
5	Displays a test pattern
6	Displays the projector's status
7	Opens detailed projector settings
8	Opens the Crestron Connected window (available when Crestron Connected is turned on)
9	Operates the projector's lens
10	Registers or deletes playlist data on the USB device

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

   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. (The default user name is **EPSONWEB** and the default password is the projector's serial number.)

Web Control Options in Content Playback Mode

Parent topic: Using the Projector on a Network

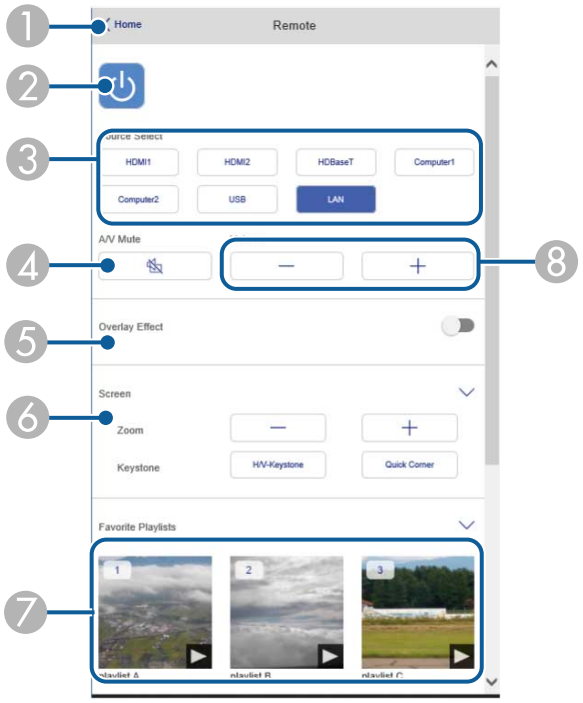
Related topics

Projecting in Content Playback Mode

Web Control Options in Content Playback Mode

Remote

Note: If the Remote Password is set to **On**, you need to enter your user name and password. (The default username is **EPSONREMOTE** and the default password is the projector's serial number.)



1 Returns to the Epson Web Control screen
2 Turns the projector on or off
3 Selects the input source
4 **A/V Mute** button control
5 Turns **Overlay Effect** on or off
6 Displays the screen settings

7 Selects your favorite playlists

8 Adjusts the speaker volume

Playlists



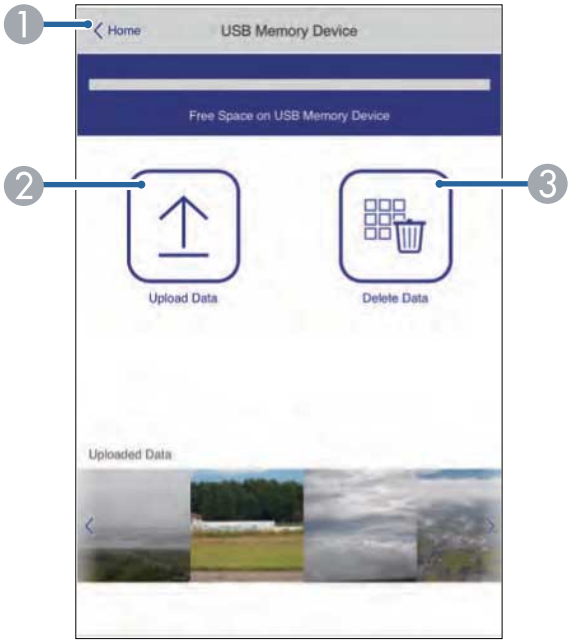
1 Returns to the Epson Web Control screen

2 Controls playback of the playlist

3 Edits, copies, or deletes the playlist

4 Creates a new playlist

USB Memory Device



1 Returns to the Epson Web Control screen

2 Uploads images or videos to add to playlists on a USB device

3 Deletes images or videos on the USB device

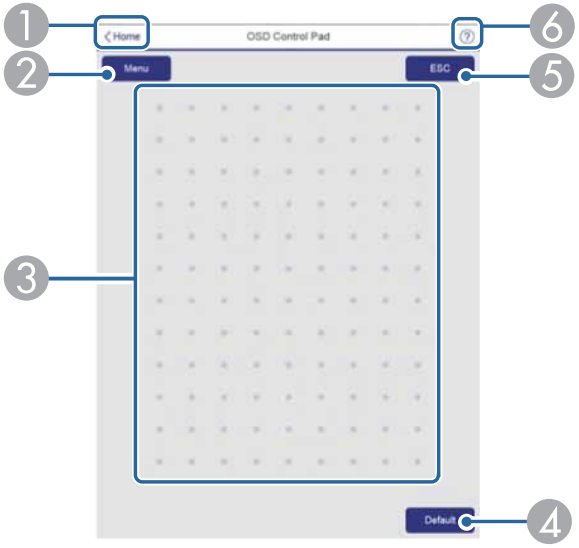
Time Table



1 Returns to the Epson Web Control screen

2 Turns the time table on or off (see the *Epson Projector Content Manager Operation Guide* for more information)

OSD Control Pad



1 Returns to the Epson Web Control screen
2 Displays the projector's setting menus
3 Use your finger or mouse to navigate the menus
4 Returns projector to default settings
5 Returns to the previous menu
6 Displays help topics

Note: You cannot change some settings using Epson Web Control.

Parent topic: Controlling a Networked Projector in Content Playback Mode

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

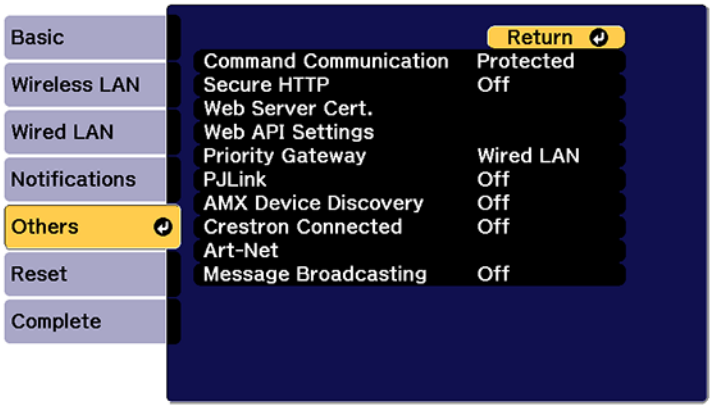
Parent topic: Using the Projector on a Network

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** settings in the Extended menu.

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



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 **Complete** and follow the on-screen instructions to save your settings and exit the menus.

Parent topic: Using Crestron Connected

Related references

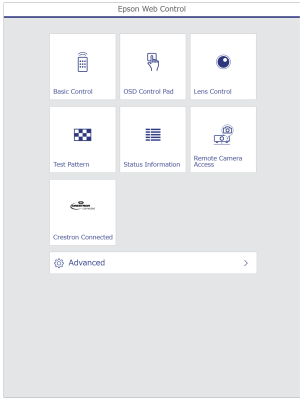
Projector Setup Settings - Extended Menu

Controlling a Networked Projector Using Crestron Connected

Once you have set up your projector to use Crestron Connected, you can control and monitor your projector 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:



3. Select **Crestron Connected** to view the configuration page. Please see your network administrator for setting up the configuration page.

   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 the projector's serial number.)

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 or from a connected USB device. However, be sure to register just once from either a USB device or network, or the certificate may not install correctly.

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

Parent topic: Using the Projector on a Network

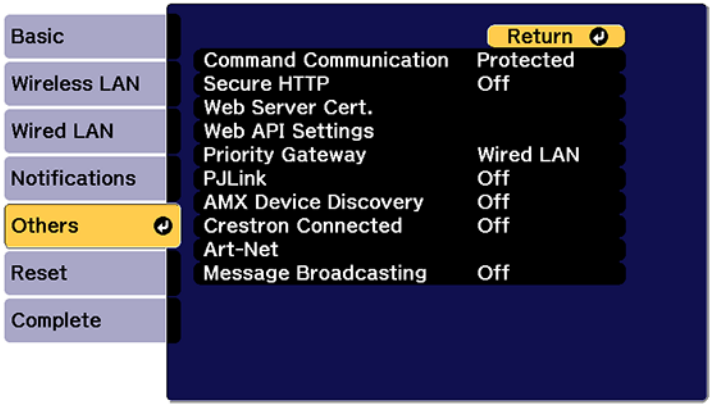
Importing a Web Server Certificate Using the Projector Menus

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 remote control.
3. Select the **Network** menu and press **Enter**.
4. Select the **Network Configuration** setting and press **Enter**.

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



6. Select **On** as the **Secure HTTP** setting.
7. Select the **Web Server Cert.** setting and press **Enter**.
8. Select **Register** and press **Enter**.
9. Insert a USB flash drive into the projector's **USB-A** port. If the wireless LAN module is installed, remove it before inserting the USB flash drive.
10. Press **Enter** to display the certificate list.
11. Select the certificate you want to import from the displayed list.

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

    The certificate is imported and a completion message appears.
13. Remove the USB flash drive, then re-insert the wireless LAN module.

Parent topic: Registering a Digital Certificate on the Projector

Registering Digital Certificates from a USB Device

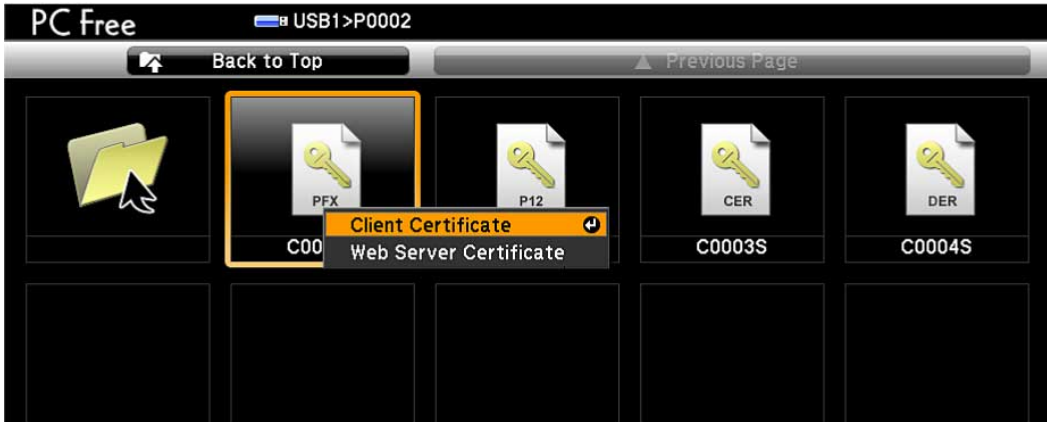
You can register the digital certificates for files on a USB device connected to the projector.

1. Make sure your digital certificate file is compatible with projector registration.
2. Connect the USB device to the projector.

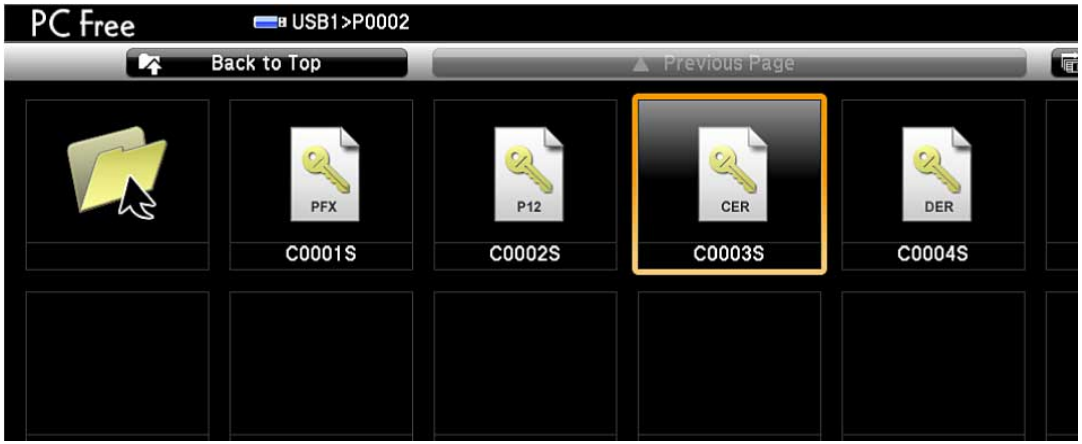
3. Press the **USB** button on the projector remote control.

   The PC Free screen appears.

4. Do the following as necessary to locate your files:
   - To display files inside a subfolder on your device, press the arrow buttons to highlight the folder and press the **Enter** button.
   - To move back up a folder level on your device, highlight **Back to Top** and press **Enter**.
   - To view additional files in a folder, highlight **Next page** or **Previous page** and press **Enter**.
5. Press the arrow buttons to select one of the following certificate files:
   - To register a Client Certificate or a Web Server Certificate, select the certificate file icon, press **Enter**, select **Client Certificate** or **Web Server Certificate** from the displayed menu, and press **Enter** again.



- To register a CA Certificate, select the CA certificate file icon and press **Enter**.



The password screen is displayed (for Client or Web Server Certificates) or the certificate contents is displayed (for CA Certificates).

6. If you see the password screen, enter the certificate password using the keyboard that appears.

   The certificate contents is displayed.

7. Check the content of the certificate to make sure it is correct.
8. When you finish checking the certificate, press the arrow buttons to select **OK** and press **Enter**.

   You see a registration completion message.

Parent topic: Registering a Digital Certificate on the Projector

Registering Digital Certificates from a Web Browser

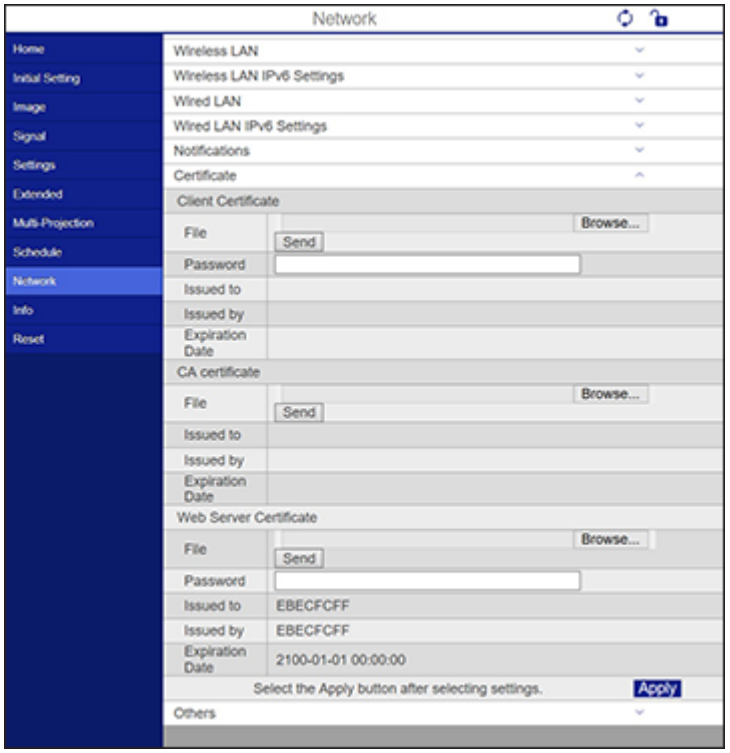
You can register the digital certificates on the projector for wireless LAN authentication.

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. 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 projector's serial number. (You can change the Web Control password using the projector's Network menu.)
6. Select **Advanced**.
7. Under **Network**, select **Certificate**.

   You see a screen like this:



8. Click the **Browse** button, select the certificate file, and click **Open**.
9. Enter a password in the **Password** box, and click **Send**.
10. 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
Encryption	RSA
Hashes	MD5/SHA-1/SHA-256/SHA-384/SHA-512

Specification	Description
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

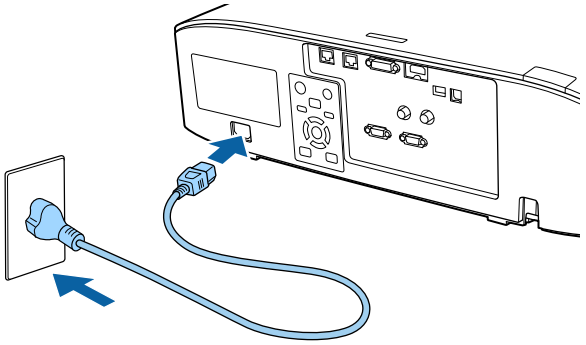
Follow the instructions in these sections to use your projector's basic features.

Turning On the Projector
Turning Off the Projector
Selecting the Language for the Projector Menus
Setting the Date and Time
Resizing the Image with the Zoom Button
Focusing the Image Using the Focus Buttons
Setting the Lens Type
Setting the Screen Type
Adjusting the Image Position Using Lens Shift
Adjusting the Image Position Using Screen Position
Displaying a Test Pattern
Adjusting the Image Height
Image Shape
Selecting an Image Source
Remote Control Operation
Projection Modes
Image Aspect Ratio
Color Mode
Adjusting the Brightness
Adjusting Luminance Controls
Controlling the Volume with the Volume Buttons
Projecting in Content Playback Mode

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 **On** 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. If you are using the remote control to turn the projector on, make sure no one is looking into the lens or in front of the projector before turning it on.

   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:

- Make sure the lens cover is off.

- 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 the **Search** button on the remote control to detect the video source.

  Note: If the **Auto Source Search** setting in the Extended 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

Projector Setup Settings - Extended Menu

Related tasks

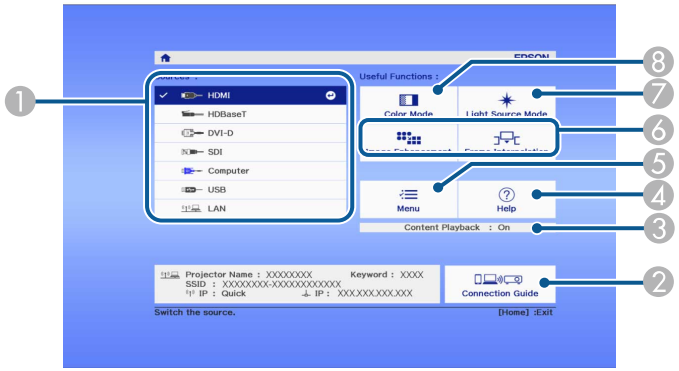
Turning Off the Projector

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 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	Select the video source you want to project
2	Display the Connection Guide
3	Indicates the Content Playback mode
4	Display the Help screen
5	Display the projector's menus
6	Select customizable menu options
7	Select to change the Light Source Mode
8	Select to change the Color Mode

Note: You can select the customizable menu options using the **Custom Function 1** and **Custom Function 2** settings in the Extended menu.

3. Press the **Home** button to hide the Home screen.

Parent topic: Turning On the Projector

Related references

Projector Setup Settings - Extended Menu

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 **Standby** button on the projector or remote control.

   The projector displays a shutdown confirmation screen.

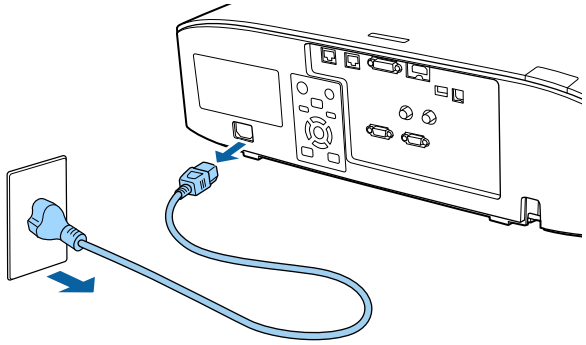


2. Press the **Standby** button on the projector or remote control again. (To leave it on, press any other button.)

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

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

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



Parent topic: Using Basic Projector Features

Related tasks

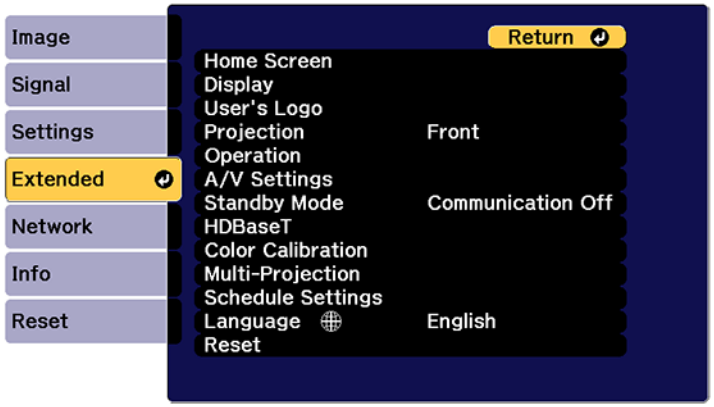
Turning On the Projector

Selecting the Language for the Projector Menus

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

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

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



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.

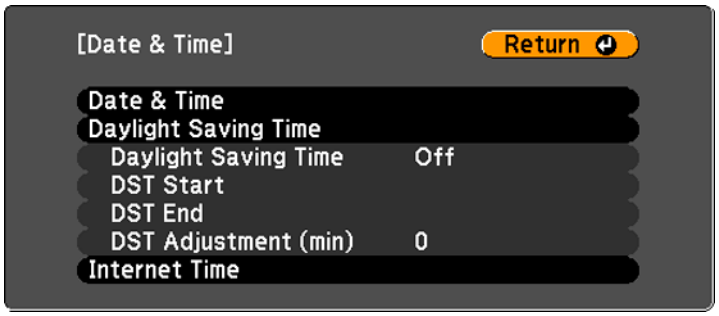
Parent topic: Using Basic Projector Features

Setting the Date and Time

You can set the date and time for the projector.

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

You see a screen like this:



5. Select your date and time settings. Then select **Set** and press **Enter** to confirm your changes.
6. When you are finished, press the **Menu** button to exit.

Date and Time Settings

Parent topic: Using Basic Projector Features

Related concepts

Password Security Types

Date and Time Settings

Settings	Options	Description
Date & Time	**Date** **Time** **Time Difference (UTC)**	Adjusts the projector's date and time settings **Date** and **Time**: sets the date and time **Time Difference (UTC)**: sets the time difference from Coordinated Universal Time

Settings	Options	Description
Daylight Saving Time	**Daylight Saving Time** **DST Start** **DST End** **DST Adjustment (min)**	Adjusts the daylight saving time settings **Daylight Saving Time**: enables or disables daylight saving time **DST Start** and **DST End**: sets the date and time to start or end daylight saving time **DST Adjustment (min)**: sets the difference between standard and daylight saving time
Internet Time	**Internet Time** **Internet Time Server**	Automatically adjusts the time through an Internet connection **Internet Time**: turn on this setting to update the date and time automatically through an Internet time server **Internet Time Server**: sets the IP address for the Internet time server

Parent topic: Setting the Date and Time

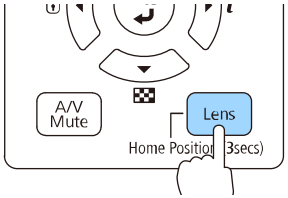
Resizing the Image with the Zoom Button

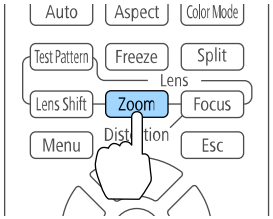
You can adjust the size of the image using the zoom buttons. Zoom is not available for the ELPLX01, ELPLX01S, ELPLX01W, ELPLX02S, ELPLX02W, and ELPLR04 lenses.

Note: Wait 20 minutes after turning on the projector before setting the focus, zoom, and lens shift for maximum accuracy.

1. Turn on the projector and display an image.

2. Press the **Lens** button on the control panel repeatedly until the zoom adjustment screen appears, or press the **Zoom** button on the remote control.





3. Press and hold the arrow buttons on the projector's control panel or remote control to resize the image.
4. Press the **Esc** button when finished.

Parent topic: Using Basic Projector Features

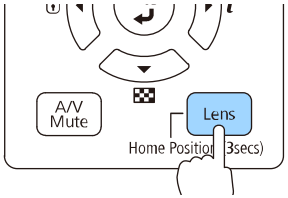
Focusing the Image Using the Focus Buttons

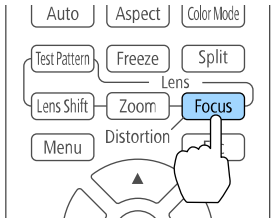
You can adjust the sharpness of the projected image using the focus buttons.

Note: Wait 20 minutes after turning on the projector before setting the focus, zoom, and lens shift for maximum accuracy. If you installed any of the following lenses, see the link below on focusing with a short throw lens instead: ELPLX01S, ELPLX01WS, ELPLX02S, ELPLX02WS, ELPLU03S, or ELPLU04.

1. Turn on the projector and display an image.

2. Press the **Lens** button on the control panel repeatedly until the focus adjustment screen appears, or press the **Focus** button on the remote control.





3. Press the **Esc** button when finished.

Focusing the Image When Using an Optional Short Throw Lens

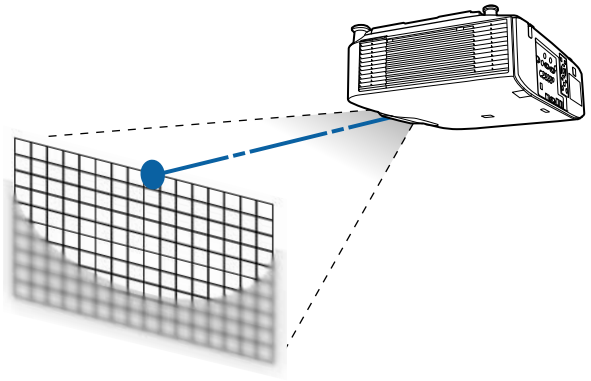
Parent topic: Using Basic Projector Features

Focusing the Image When Using an Optional Short Throw Lens

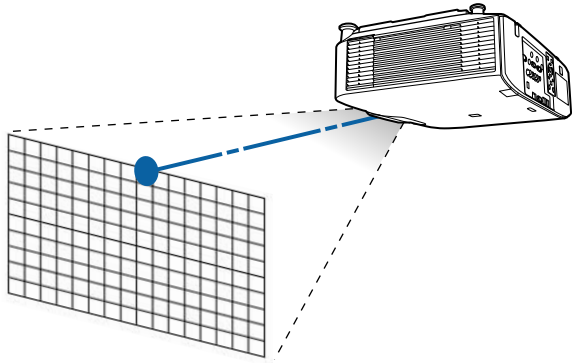
If you installed an optional short throw lens (ELPLX01S, ELPLX01WS, ELPLX02S, ELPLX02WS, ELPLU03S, or ELPLU04), you may need to first focus on the center of your screen and then correct any distortion in the surrounding area.

1. Turn on the projector and display an image.
2. Press the **Focus** button on the remote control or press the **Lens** button on the control panel repeatedly until the focus adjustment screen appears.

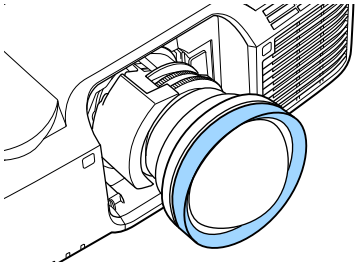
3. Press the left or right arrow buttons until the center of the image is focused.



4. Press the **Focus** button on the remote control or press the **Lens** button on the control panel repeatedly until the distortion adjustment screen appears.
5. Press the left or right arrow buttons until the edges of the image are also focused.



Note: If you installed the optional ELPLU02 short throw lens and you see a message prompting you to manually adjust the image distortion, manually rotate the distortion ring counterclockwise. Adjust the focus and then rotate the distortion ring again to correct image distortion.



Parent topic: Focusing the Image Using the Focus Buttons

Setting the Lens Type

If you installed one of the following lenses, you need to select the model number for the lens: ELPLS04, ELPLU02, ELPLR04, ELPLW04, ELPLM06, ELPLM07, or ELPLL07.

1. Turn on the projector and display an image.
2. Press the **Menu** button.
3. Select the **Extended** menu and press **Enter**.
4. Select **Operation** > **Advanced** > **Lens Type**.
5. Select your lens model number and press **Enter**.
6. Press the **Menu** button to exit.

Parent topic: Using Basic Projector Features

Setting the Screen Type

You can use the Screen Type setting to match the aspect ratio of the displayed image to the screen you are using.

Note: The Screen Type setting is not supported by the Message Broadcasting feature in the Epson Projector Management software.

1. Turn on the projector and display an image.

2. Press the **Menu** button.
3. Select the **Extended** menu and press **Enter**.
4. Select **Display** > **Screen** > **Screen Type**.

   You see this screen:



5. Select your screen's aspect ratio and press **Enter**.
6. Press the **Menu** button to exit.
7. Adjust the aspect ratio for the projected image, if necessary.

Parent topic: Using Basic Projector Features

Related concepts

Image Aspect Ratio

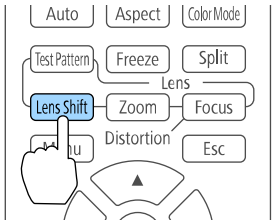
Adjusting the Image Position Using Lens Shift

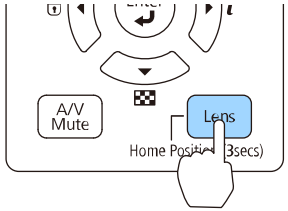
If you cannot install the projector directly in front of the screen, you can adjust the position of the projected image using the lens shift feature.

Note: Wait 20 minutes after turning on the projector before setting the focus, zoom, and lens shift for maximum accuracy.

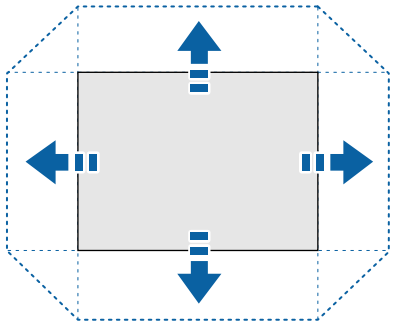
1. Turn on the projector and display an image.

2. Press the **Lens Shift** button on the remote control or the **Lens** button on the control panel.





3. Press the arrow buttons on the remote control or the control panel to adjust the position of the projected image as necessary.



4. When you are finished, press the **Esc** button on the control panel or remote control.

Note: When adjusting the image height, position the image lower than where you want it to be and then move it up. This will help prevent the image from moving down after adjustment. The image is clearest when the lens is at the home position. To move the lens to the home position, press and hold the **Lens Shift** button on the remote control or the **Lens** button on the control panel for at least three seconds.

Parent topic: Using Basic Projector Features

Adjusting the Image Position Using Screen Position

You can adjust the image position if there are margins between the edge of the image and the projected screen frame.

Note: You cannot adjust the screen position if the **Screen Type** setting is set to **16:10**.

1. Turn on the projector and display an image.
2. Press the **Menu** button.
3. Select the **Extended** menu and press **Enter**.
4. Select **Display** > **Screen** > **Screen Position**.
5. Use the arrow buttons on the remote control or projector to adjust the position of the image.



6. When you are finished, press the **Menu** button.

Parent topic: Using Basic Projector Features

Related tasks

Setting the Screen Type

Displaying a Test Pattern

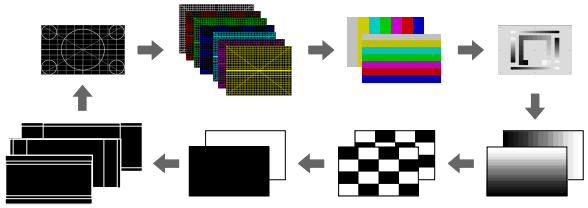
You can display a test pattern to adjust the projected image without connecting a computer or video device.

Note: The test pattern's shape is determined by the **Screen Type** setting. Be sure to set the correct screen type before adjusting with the test pattern.

1. Turn on the projector.
2. Press the **Test Pattern** button on the remote control or the down arrow button on the control panel.

   Note: You can also display a test pattern from the Settings menu using the remote control.

3. Press the ↵ **Enter** button or the left or right arrow button on the remote control, or press **Enter** on the control panel to cycle through the available test patterns.



4. Adjust the image as necessary.
5. Press the **Esc** button to clear the test pattern.

Available Test Pattern Image Adjustments

Parent topic: Using Basic Projector Features

Related tasks

Setting the Screen Type

Available Test Pattern Image Adjustments

You can adjust the following settings while the test pattern is displayed.

Menu	Settings
Image	**Color Mode**
	White Balance
	Advanced • **Gamma**[1] • **RGBCMY**
Settings	**Geometry Correction**
	Brightness Settings
Extended	**Display**[2]
	Multi-Projection[3]

[1] Except for custom **Gamma** settings

[2] Except for the **Screen**, **Panel Alignment**, and **Color Uniformity** settings

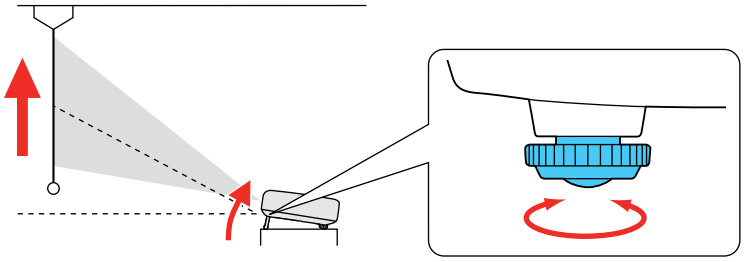
[3] Except for the **Black Level**, **Scale**, **Color Uniformity**, and **Color Adjustment** settings

Parent topic: Displaying a Test Pattern

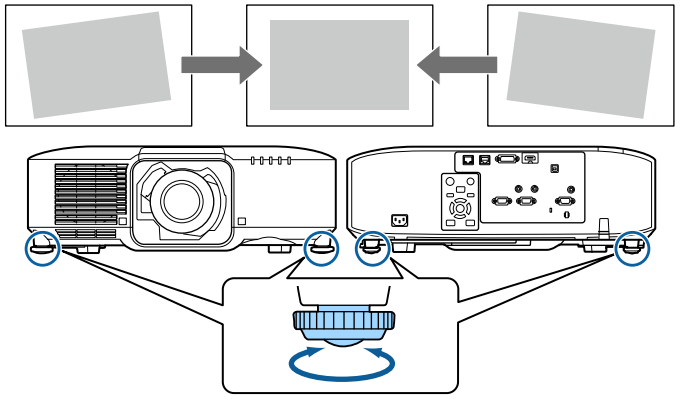
Adjusting the Image Height

If you are projecting from a table or other flat surface, and the image is too high or low, you can adjust the image height using the projector's adjustable feet.

1. Turn on the projector and display an image.
2. To adjust the image height, rotate the front feet to extend or retract them.



3. If the image is tilted, rotate the front and rear feet to adjust their height.



If the projected image is unevenly rectangular, you need to adjust the image shape.

Parent topic: Using Basic Projector Features

Related concepts

Image Shape

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.

Correcting Image Shape with H/V-Keystone

Correcting Image Shape with Quick Corner

Correcting Image Shape with Curved Surface

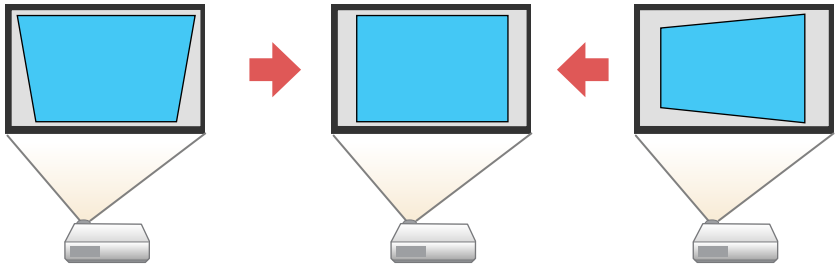
Correcting Image Shape with Corner Wall

Correcting Image Shape with Point Correction

Parent topic: Using Basic Projector Features

Correcting Image Shape with H/V-Keystone

You can use the projector's **H/V-Keystone** setting to correct the shape of an image that is unevenly rectangular on the sides.



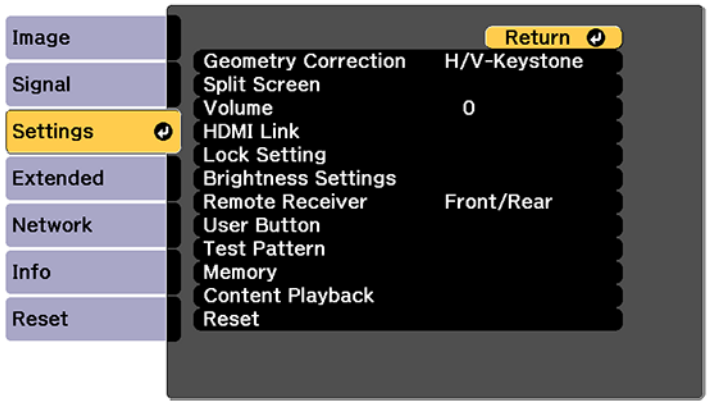
Note: You cannot combine H/V-Keystone correction with other image shape correction methods.

1. Turn on the projector and display an image.

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

Note: You can also display a pattern to aid in adjusting the projected image using the **Test Pattern** button on the remote control.

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



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

   Note: You can also access the geometric adjustment screen by pressing the **Geometry** button on the remote control or the up arrow button on the control panel.

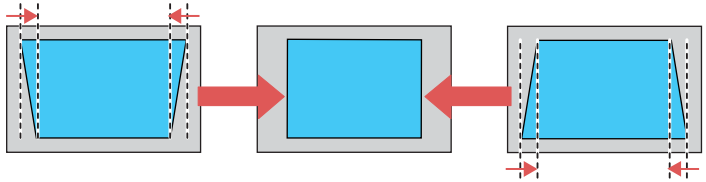
5. Select the **H/V-Keystone** setting and press **Enter**. Then press **Enter** again.

   You see the H/V-Keystone adjustment screen:

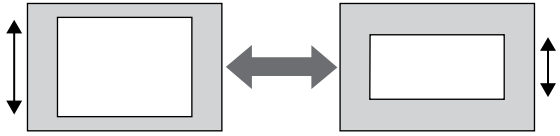


6. Use the arrow buttons on the projector or the remote control to select between vertical and horizontal keystone or balance correction and to adjust the image shape as necessary.

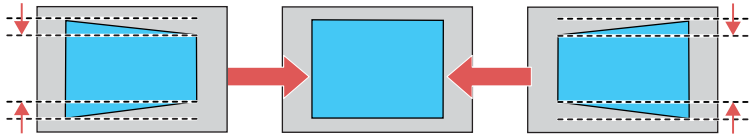
V-Keystone



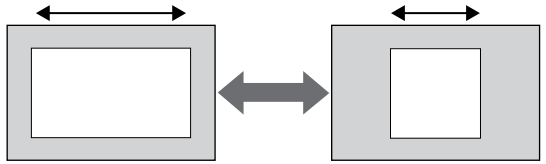
V-Balance



H-Keystone



H-Balance



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

   After correction, your image is slightly smaller.

Parent topic: Image Shape

Related references

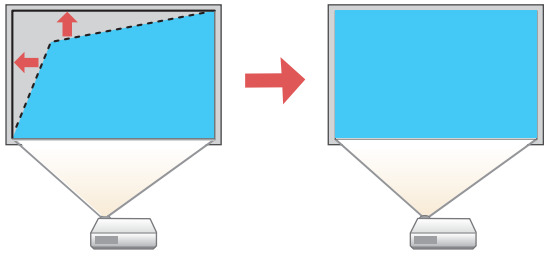
Projector Feature Settings - Settings Menu

Related tasks

Displaying a Test Pattern

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.



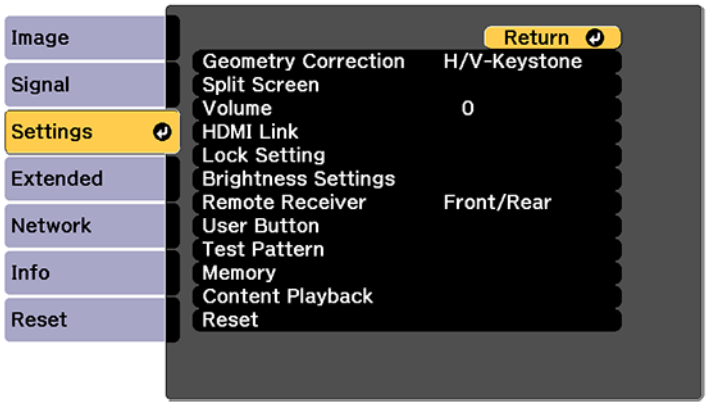
1. Turn on the projector and display an image.

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

   Note: You can also display the pattern by pressing the **Test Pattern** button on the remote control.

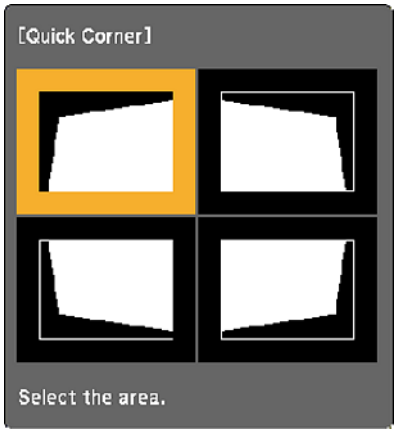
2. Press the **Menu** button.

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



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

   You see the Quick Corner adjustment screen:



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

6. Use the arrow buttons on the projector or remote control to select the corner of the image you want to adjust. Then press ↵ **Enter**.
7. Press the arrow buttons to adjust the image shape as necessary.
8. When you are finished, press **Esc**.

Parent topic: Image Shape

Related references

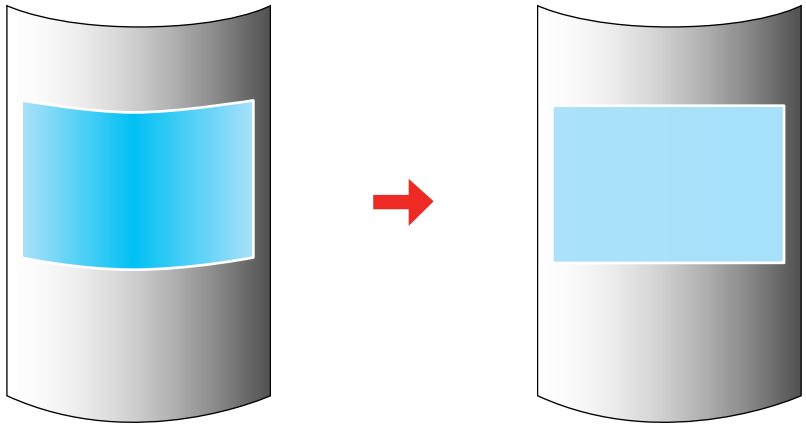
Projector Feature Settings - Settings Menu

Related tasks

Displaying a Test Pattern

Correcting Image Shape with Curved Surface

You can use the projector's Curved Surface setting to adjust the shape of an image projected on a curved surface.



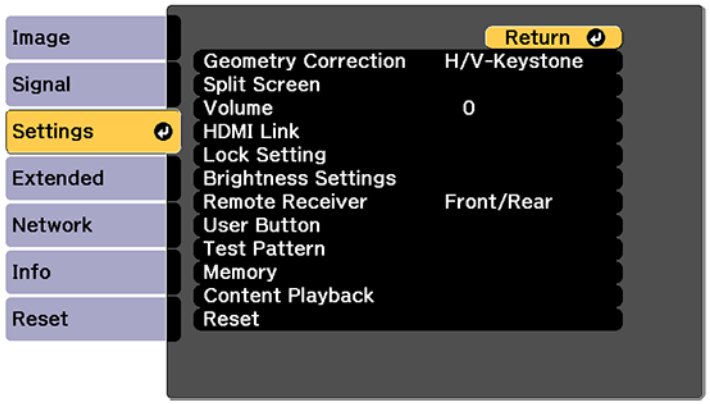
Note: For the best results, project from the front of the screen onto a surface with a uniform arc radius and with the lens in the home position. The image may not be evenly focused throughout even after performing the steps here. If you see a 4K Enhancement message, select **Yes** to disable the 4K Enhancement feature.

1. Turn on the projector and display an image.

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

Note: You can also display a pattern to aid in adjusting the projected image using the **Test Pattern** button on the remote control.

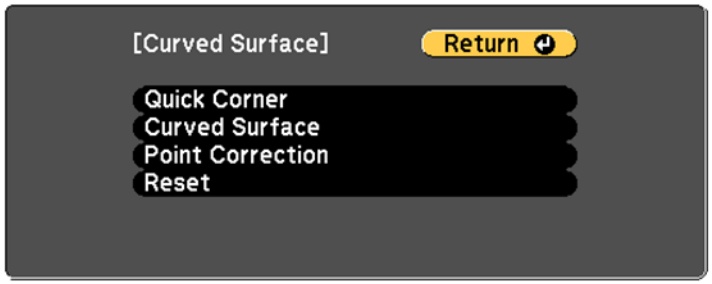
2. Press the **Menu** button.
3. Select the **Settings** menu and press **Enter**.



4. Select the **Geometry Correction** setting and press **Enter**.
5. Select the **Curved Surface** setting and press **Enter**.

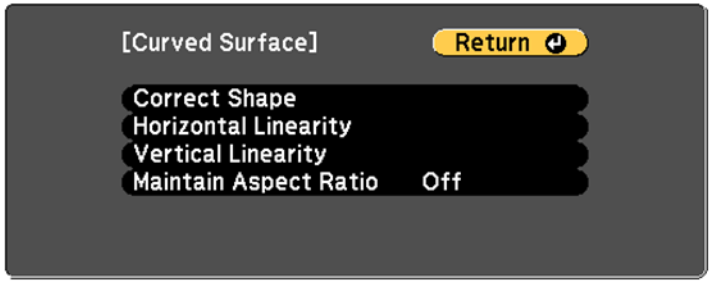
Note: If you see a confirmation message, press **Enter**.

You see this screen:

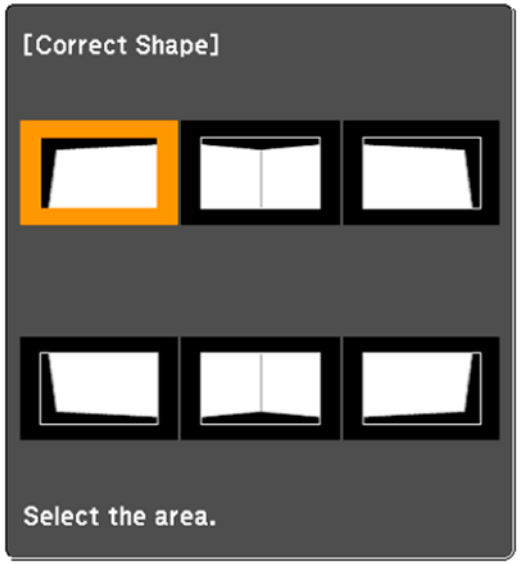


6. Select the **Curved Surface** setting and press **Enter**.

   You see this screen:

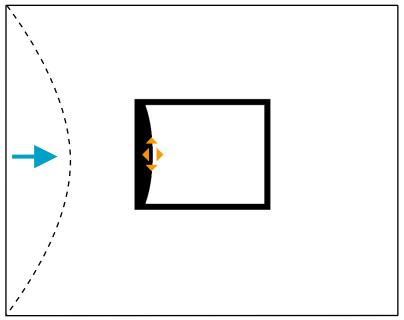


7. Select the **Correct Shape** setting and press **Enter**.
8. Use the arrow buttons on the projector or the remote control to select the area you want to adjust. Then press **Enter**.



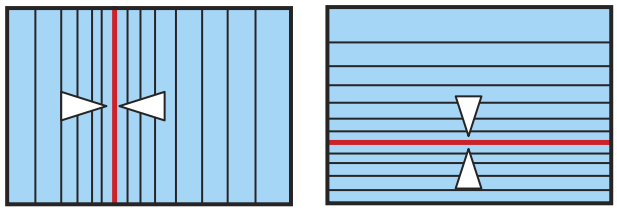
Note: To reset your adjustments, press and hold the **Esc** button for at least 2 seconds to display a reset screen. Then select **Yes**.

9. Use the arrow buttons on the projector to adjust the image shape.

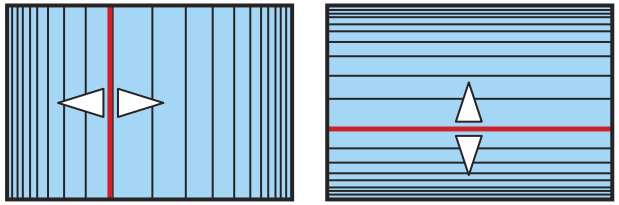


Note: If the adjustment triangle turns gray, you cannot adjust the shape any further in that direction.

10. Press the **Esc** button to return to the Curved Surface menu screen.
11. Repeat the previous three steps as necessary to adjust other image areas.
    If the image expands or contracts, continue with the next step to adjust the linearity.
12. Select one of the following from the Curved Surface menu screen:
    - **Horizontal Linearity**: Adjusts horizontal expansion or contraction.
    - **Vertical Linearity**: Adjusts vertical expansion or contraction.
13. Select a displayed line to use as a baseline and press ↵ **Enter**.
    The selected baseline flashes orange and white.
14. Adjust the linearity by doing one of the following:
    - Press the left arrow button to contract the distance between the lines closest to the baseline.



- Press the right arrow button to expand the distance between the lines closest to the baseline.



15. When you are finished, press the **Menu** button.

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

Parent topic: Image Shape

Related references

Projector Feature Settings - Settings Menu

Related tasks

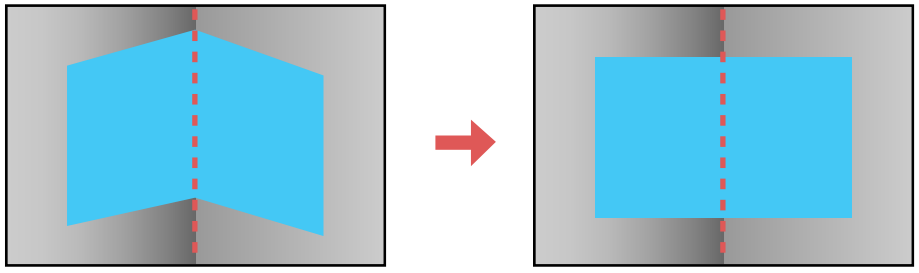
Displaying a Test Pattern

Correcting Image Shape with Quick Corner

Correcting Image Shape with Point Correction

Correcting Image Shape with Corner Wall

You can use the projector's Corner Wall setting to adjust the shape of an image projected on a surface with right angles, such as a rectangular pillar or the corner of a room.



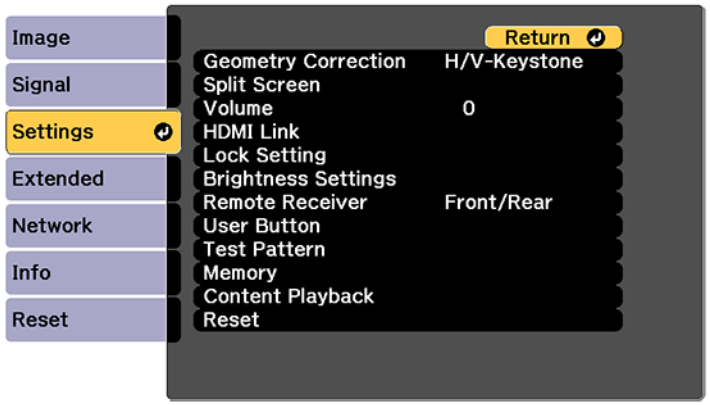
Note: For the best results, project from the front of the screen onto a right-angled surface and with the lens in the home position. The image may not be evenly focused throughout even after performing the steps here. If you see a 4K Enhancement message, select **Yes** to disable the 4K Enhancement feature. Corner Wall is not supported for the ELPLX01/ELPLX01W/ELPLX01S/ELPLX02/ELPLX02S/ELPLX02W lens.

1. Turn on the projector and display an image.

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

   Note: You can also display a pattern to aid in adjusting the projected image using the **Test Pattern** button on the remote control.

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



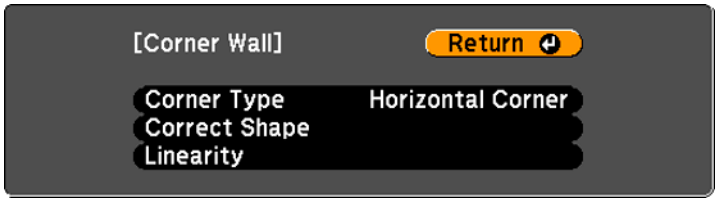
4. Select the **Geometry Correction** setting and press **Enter**.
5. Select the **Corner Wall** setting and press **Enter**.

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

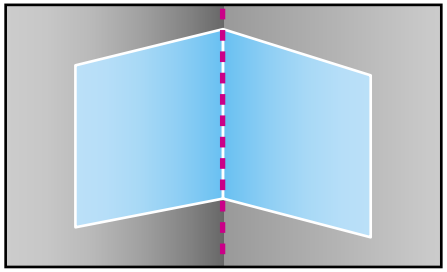
You see this screen:



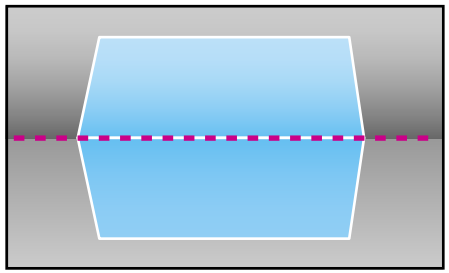
6. Select the **Corner Wall** setting and press ↵ **Enter**.
   You see this screen:



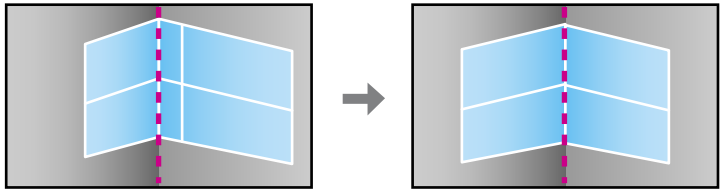
7. Select the **Corner Type** setting and press ↵ **Enter**.
8. Select one of the following:
   - **Horizontal Corner** when the surfaces line up horizontally



- **Vertical Corner** when the surfaces line up vertically

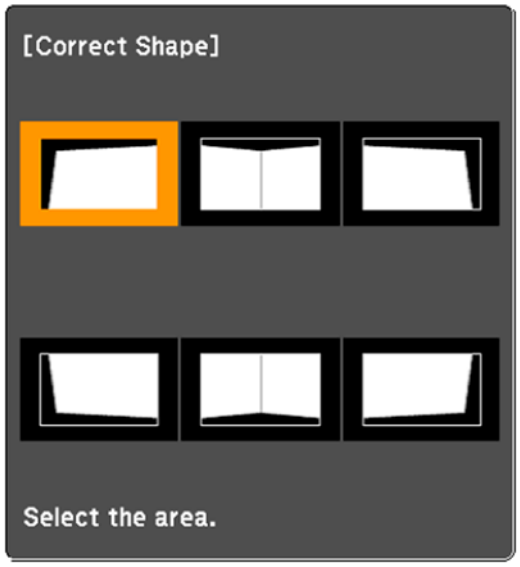


9. Press the **Esc** button to return to the Corner Wall menu screen.
10. Select the **Correct Shape** setting and press ↵ **Enter**.
11. Adjust the projector's position and use lens shift to center the image over the point where the two surfaces meet. (The rest of these steps show Horizontal Corner as the selected Corner Type but the steps are the same for Vertical Corner.)

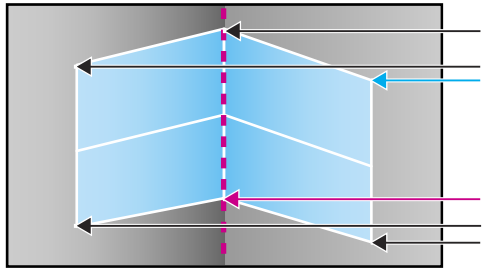


Note: You can press ↵ **Enter** to show or hide the image and grid to check the results.

12. Press the arrow buttons on the projector or the remote control to select the area you want to adjust. Then press ↵ **Enter**.



- For horizontal corners, adjust the top area using the lowest point (indicated by the blue arrow) as your reference. Adjust the lower area using the highest point (indicated by the pink arrow) as your reference.

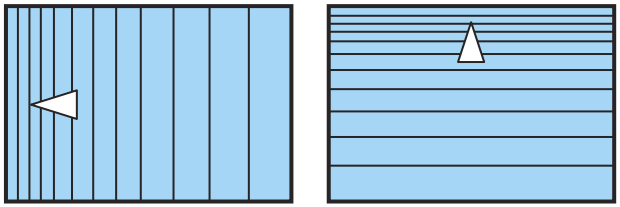


- For vertical corners, adjust the left and right areas using the points nearest the center of the image as your reference points.

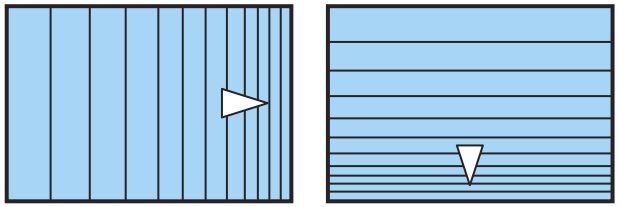
Note: To reset your adjustments, press and hold the **Esc** button for at least 2 seconds to display a reset screen. Then select **Yes**.

13. Press and hold the arrow buttons on the projector or remote control to adjust the image shape.
14. Repeat the previous two steps as necessary to adjust other image areas.

    If the image expands or contracts, continue with the next step to adjust the linearity.
15. Press the **Esc** button to return to the Corner Wall screen.
16. Select the **Linearity** setting and press ↵ **Enter**.
17. Adjust the linearity by doing the following as necessary:
    - Press and hold the left arrow button to contract the distance between the lines closest to the left or top of the image.



    - Press and hold the right arrow button to contract the distance between the lines closest to the right or bottom of the image.



18. When you are finished, press the **Menu** button.

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

Parent topic: Image Shape

Related references

Projector Feature Settings - Settings Menu

Related tasks

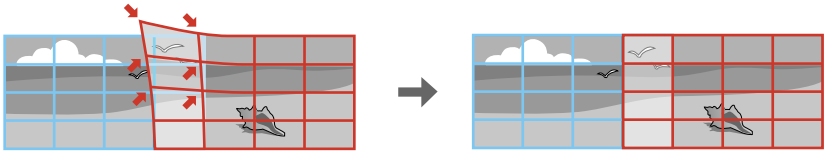
Displaying a Test Pattern

Correcting Image Shape with Quick Corner

Correcting Image Shape with Point Correction

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.



Note: You can move the points on the grid between 0.5 to 600 pixels. If you see a 4K Enhancement message, select **Yes** to disable the 4K Enhancement feature.

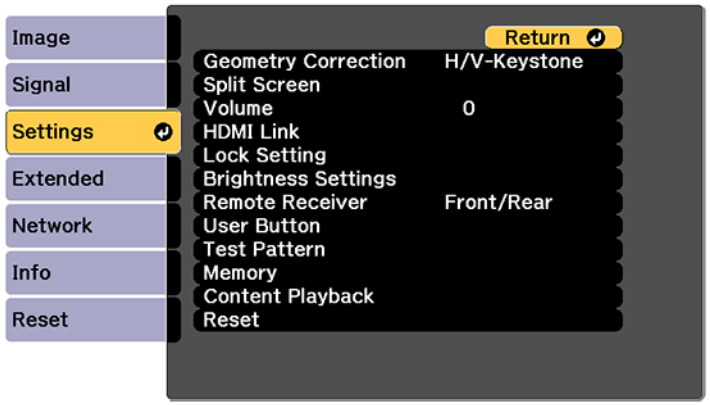
1. Turn on the projector and display an image.

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

   Note: You can also display a pattern to aid in adjusting the projected image using the **Test Pattern** button on the remote control.

2. Press the **Menu** button.

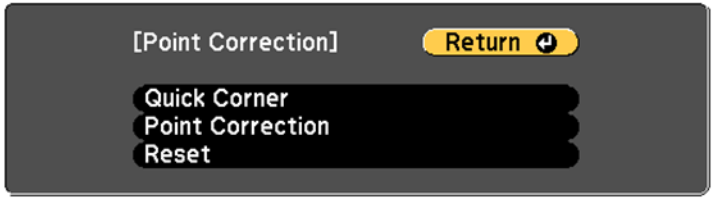
3. Select the **Settings** menu and press **Enter**.



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

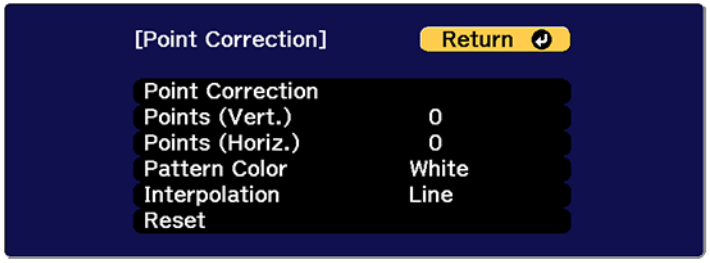
   Note: If you see a confirmation message, press **Enter**.

   You see this screen:



6. Select the **Point Correction** setting and press **Enter**.

You see this screen:

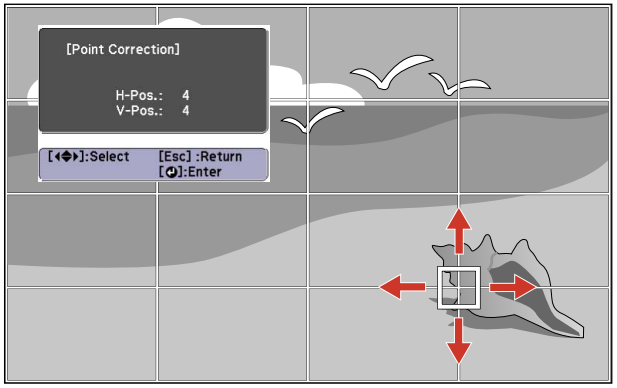


7. Select the **Point Correction** setting and press **Enter**.
8. Select the number of grid lines to display and press **Enter**.

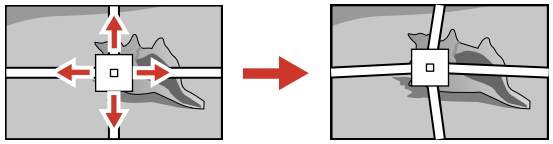
   Note: If you need to change the color of the grid lines, select the **Pattern Color** setting and select a suitable color.

9. 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**.

   The box changes from a single line to a double-lined square.



10. Press the arrow buttons to correct the image shape in all necessary directions.



Note: You can press ↵ **Enter** to show or hide the image and grid to check the results.

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

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

Parent topic: Image Shape

Related references

Projector Feature Settings - Settings Menu

Related tasks

Displaying a Test Pattern

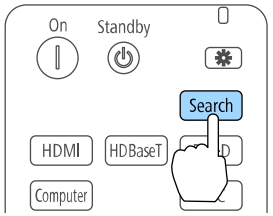
Selecting an Image Source

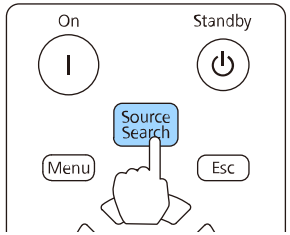
If you connected multiple image sources to the projector, such as a computer and DVD player, you may want to switch from one image source to the other.

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

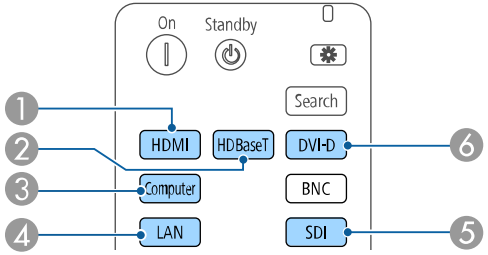
1. Make sure the connected image source you want to use is turned on.
2. For video image sources, insert a DVD or other video media and press its play button, if necessary.

3. Do one of the following:
   - Press the **Source Search** button on the projector or the **Search** button on the remote control until you see the image from the source you want.





   - Press the button for the source you want on the remote control.



1 HDMI port source
2 HDBaseT port source
3 Computer port source

4 Network port source

5 SDI source (EB-PU2010B/EB-PU2010W only)

6 DVI-D source

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



Parent topic: Using Basic Projector Features

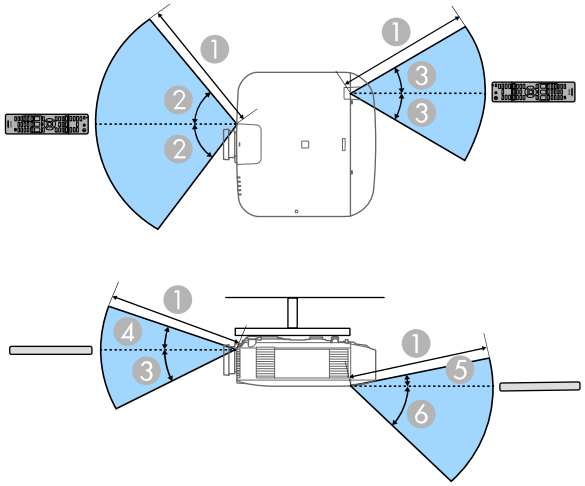
Related references

Projector Setup Settings - Extended Menu

Remote Control Operation

The remote control lets you control the projector from almost anywhere in the room, up to 98.4 feet (30 m) away. You can point it at the front or rear of the projector.

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



1	98.4 feet (30 m)
2	60°
3	30°
4	20°
5	10°
6	50°

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

Related tasks

Replacing the Remote Control Batteries

Projection Modes

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

- **Front** (default setting) lets you project from a table in front of the screen.
- **Front/Ceiling** flips the image over top-to-bottom to project upside-down from a ceiling or wall mount.
- **Rear** flips the image horizontally to project from behind a translucent screen.
- **Rear/Ceiling** flips the image over top-to-bottom and horizontally to project from the ceiling and behind a translucent screen.

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

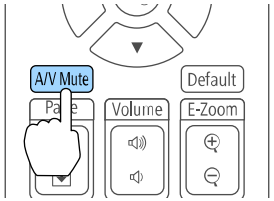
Changing the Projection Mode Using the Remote Control
Changing the Projection Mode Using the Menus

Parent topic: Using Basic Projector Features

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.



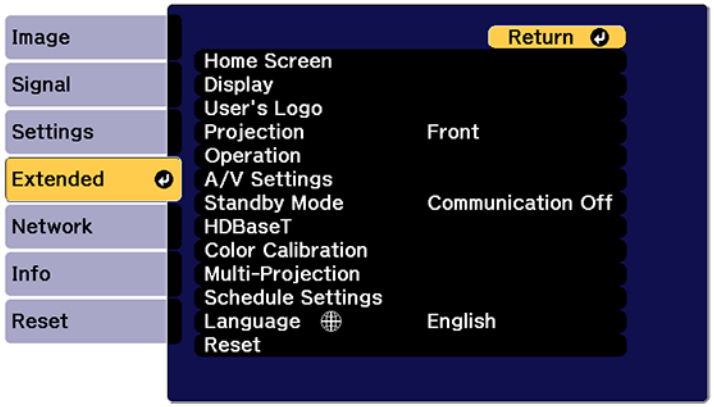
   The image disappears briefly and reappears flipped top-to-bottom.
3. To change projection back to the original mode, hold down the **A/V Mute** button for 5 to 10 seconds again.

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 **Extended** 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

Related references

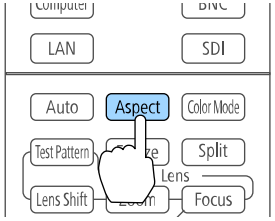
Image Quality Settings - Image Menu

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 Extended 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.

Note: If you are projecting from a computer and parts of the image are cut off, set the **Resolution** setting to **Wide** or **Normal** in the Signal menu. Choose the **Manual** setting to set a specific resolution.

Parent topic: Image Aspect Ratio

Related references

Input Signal Settings - Signal Menu

Related tasks

Setting the Screen Type

Available Image Aspect Ratios

You can select the following image aspect ratios, depending on the selected Screen Type setting and the input signal from your image source.

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

Screen Type setting	Available aspect ratios
4:3	Auto, Normal, 4:3, 16:9, H-Zoom, V-Zoom, Native*
16:9	Auto, Normal, Full, H-Zoom, V-Zoom, Native
16:10	Auto, Normal, 16:9, Full, H-Zoom, V-Zoom, Native

*Available only when projecting computer images or from sources connected to the **HDMI** port

Aspect ratio setting	Description
Auto	Automatically sets the aspect ratio according to the input signal.
Normal	Displays images in the same aspect ratio of the input signal.
4:3	Displays images at a 4:3 aspect ratio.
16:9	Displays images at a 16:9 aspect ratio.
Full	Displays images using the full size of the projection area, but does not maintain the aspect ratio.
H-Zoom **V-Zoom**	Displays images using the full width (H-Zoom) or full height (V-Zoom) of the projection area and maintains the aspect ratio of the image. Areas that exceed the edges of the projected screen are not projected.
Native	Displays images as is (aspect ratio and resolution are maintained). Areas that exceed the edges of the projected screen are not projected.

Parent topic: Image Aspect Ratio

Related tasks
Setting the Screen Type

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

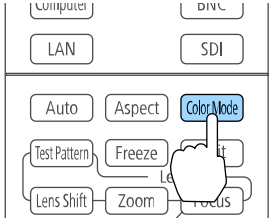
Related references

Image Quality Settings - Image Menu

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
Dynamic	Best for projecting in a bright room
Presentation	Best for color presentations in a bright room
Natural	Best for projecting still pictures such as photos
Cinema	Best for movies projected in a dark room
BT.709	Best for watching digital TV or Blu-ray discs; produces images that conform to the ITU-R BT.709 standard
DICOM SIM*	Best for projecting X-ray photographs and other medical images
Multi-Projection	Best for projecting from multiple projectors (reduces the color tone difference between images)

* Available only when inputting RGB signals

Note: The **DICOM SIM** Color Mode is for reference purposes only and should not be used to make medical diagnoses.

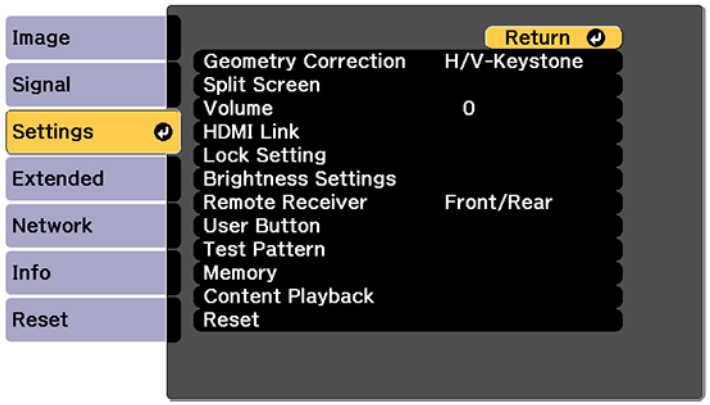
Parent topic: Color Mode

Adjusting the Brightness

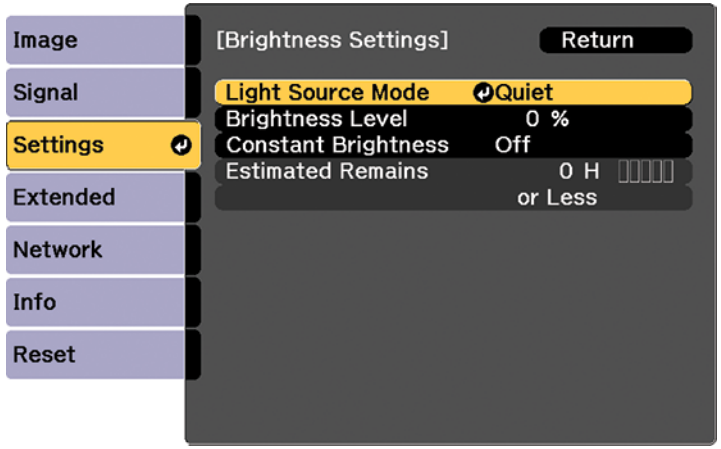
You can adjust the brightness of your projector's light source.

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

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



4. Select the **Brightness Settings** setting and press **Enter**.



5. Select the **Light Source Mode** setting and press **Enter**.
6. Select one of the following options:
   - **Normal**: Sets brightness to the maximum level (ideal for conference rooms, auditoriums, and lecture halls)
   - **Medium**: Sets brightness to 85% and reduces fan noise

- **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 30 to 100%

7. If you selected **Custom**, select **Brightness Level** from the Brightness Settings screen and use the left and right arrow buttons to select the brightness.
8. If you selected **Custom** and want to maintain consistent brightness, turn on the **Constant Brightness** setting.

   Note: If you turn on **Constant Brightness**, you cannot change the **Light Source Mode** and **Brightness Level** settings. If you turn off **Constant Brightness**, the **Brightness Level** setting changes according to the status of the light source.

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

Note: If you use the projector continuously for more than 24 hours, or regularly turn it off by shutting off the power outlet, schedule periodic **Light Source Calibration** events from the Extended menu. Otherwise, the **Constant Brightness** setting may not work properly.

Constant Brightness Usage Hours

Parent topic: Using Basic Projector Features

Related references

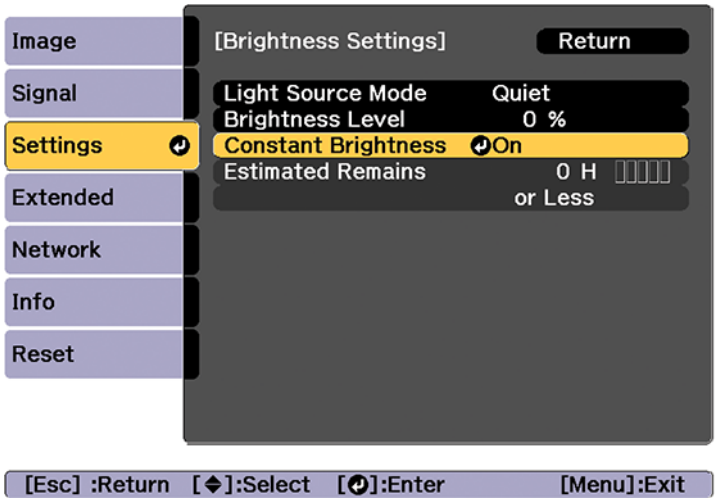
Projector Setup Settings - Extended Menu

Related tasks

Saving a Scheduled Event

Constant Brightness Usage Hours

If you turn on the **Constant 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
▮▯▯▯▯	2000 to 3999 hours
▯▯▯▯▯	0 to 1999 hours

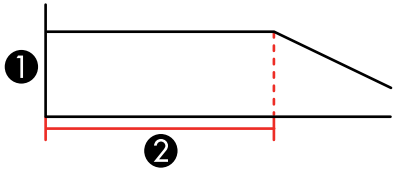
Light source life span

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

Constant Brightness off

Brightness Level setting	Hours
100%	20000 hours
90%	21000 hours
80%	24000 hours
70%	30000 hours
60%	37000 hours
50%	47000 hours
40%	61000 hours
30%	71000 hours

Constant 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
60%	29000 hours
50%	41000 hours
40%	56000 hours
30%	78000 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. After 20000 hours of use, you may need to replace parts in the projector. If **Constant Brightness** is turned on, and you have exceeded the usage hours listed here, you may not be able to select a high **Brightness Level** setting.

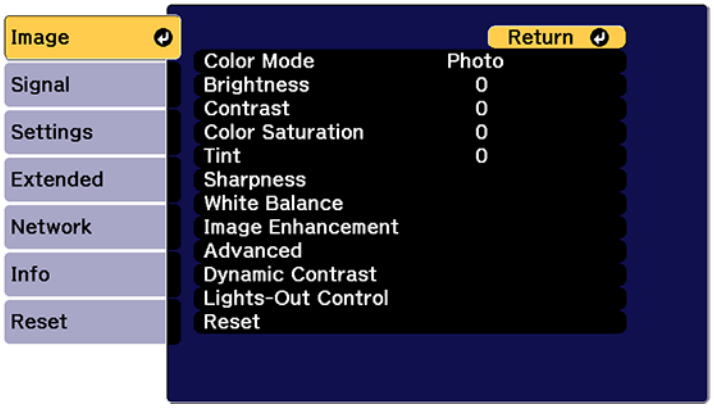
Note: The light source usage hours vary depending upon environmental conditions and usage. The hours listed here are an approximate and are not guaranteed. You may need to replace parts in the projector sooner than the estimated light source operation time. If **Constant Brightness** is turned on, and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

Parent topic: Adjusting the Brightness

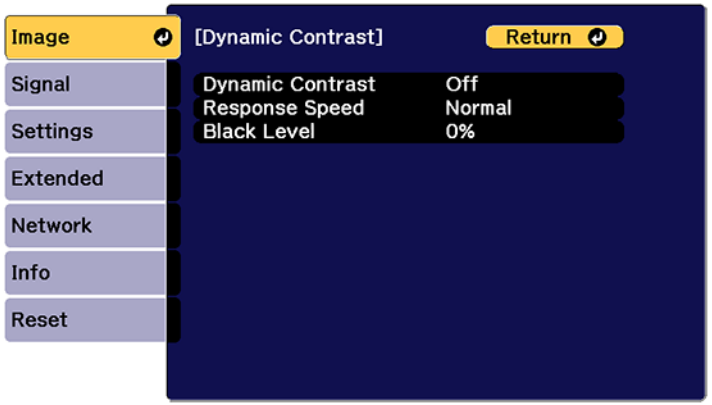
Adjusting Luminance Controls

You can automatically optimize the image luminance to improve the image contrast based on the brightness of the content you project. You can also set the light source to turn off automatically after a certain time period while projecting at a specific brightness level.

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**.



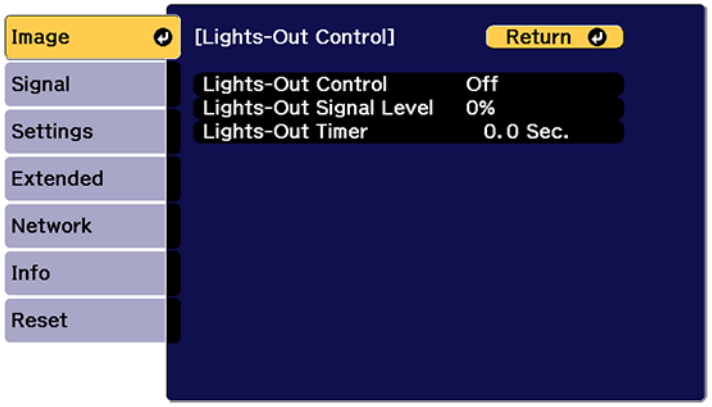
4. To automatically adjust the amount of light based on the brightness of the image, select the **Dynamic Contrast** setting and press **Enter**. Choose from the following options:



- **Dynamic Contrast**: Select **On** to automatically adjust the amount of light according to the brightness of the image.
- **Response Speed**: Select **Normal** to adjust brightness at the standard speed or **High Speed** to adjust brightness as soon as the scene changes.
- **Black Level**: Select the black level you want to project when the brightness level of the image signal is zero. (If you select **0%**, the light source turns off.)

5. Press the **Esc** button to return to the Image menu.

6. To automatically turn off the light source after a certain time has elapsed while projecting at the specified video level, select the **Lights-Out Control** setting and press **Enter**. Choose from the following options:



- **Lights-Out Control**: Select **On** to automatically turn off the light after a certain time has elapsed while projecting at the specified video level.
- **Light-Out Signal Level**: Select the brightness level for the current video signal. If the brightness level exceeds this level, the light source turns off automatically and then turns back on immediately.
- **Lights-Out Timer**: Select the amount of time before the light source automatically turns off.

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

Parent topic: Using Basic Projector Features

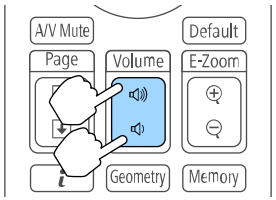
Controlling the Volume with the Volume Buttons

You can use the **Volume** buttons on the remote control to adjust the volume as you project a presentation with audio. The volume buttons control 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.

Note: You can also adjust the **Volume** setting in the projector's **Setting** menu.

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

Parent topic: Using Basic Projector Features

Related references

Projector Feature Settings - Settings Menu

Related tasks

Connecting to External Speakers

Projecting in Content Playback Mode

You can project images or other content from an external storage device using Content Playback mode. You can also add color or effects to the projected image.

Projecting a Playlist in Content Playback Mode

Adding Effects to the Projected Image

Parent topic: Using Basic Projector Features

Projecting a Playlist in Content Playback Mode

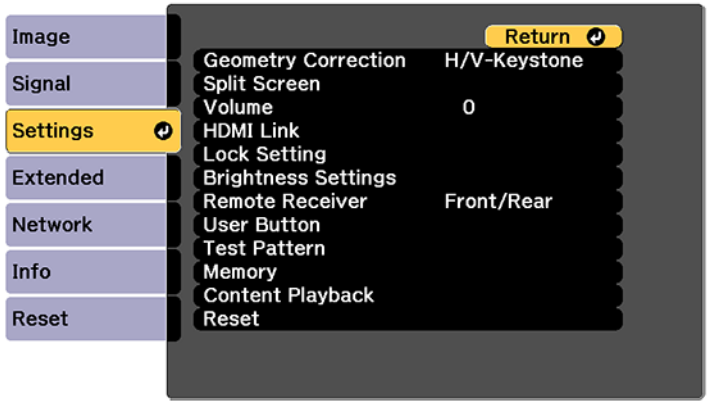
You can project playlists that contain images and movies in Content Playback mode.

1. Create a playlist and export it to a USB device using the Epson Projector Content Manager software.

Note: See the *Epson Projector Content Manager Operation Guide* for more information.

2. Turn on the projector.

3. Press the **Menu** button.
4. Select the **Settings** menu and press **Enter**.



5. Select the **Content Playback** setting and press **Enter**.
6. Select the **On** setting and press **Enter**.

   You see a confirmation prompt.
7. Turn off the projector.
8. Turn on the projector again to enable Content Playback mode.
9. Press the **Home** button to make sure Content Playback mode is enabled.
10. Insert the USB device containing the playlist to the projector's **USB-A** port.
11. Press the user button assigned to **USB** on the remote control to project the playlist.

    Note: To assign the USB option to a user button on the remote control, press the **Menu** button and go to **Settings** > **User Button**.

    Note: To select a specific playlist from the USB device, press the **Menu** button and go to **Settings** > **Content Playback** > **USB Viewer**. Use the arrow buttons on the remote control to select the playlist you want to project.

    If there is more than one playlist on the USB device, the first or scheduled playlist is projected.

Parent topic: Projecting in Content Playback Mode

Related references

Projector Feature Settings - Settings Menu

Related tasks

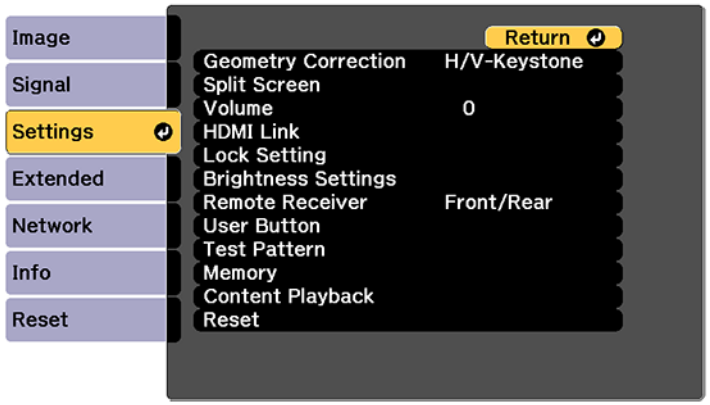
Using the Home Screen

Adding Effects to the Projected Image

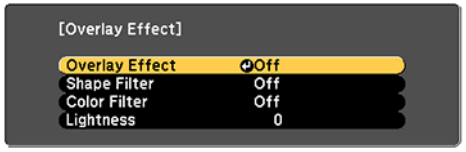
You can add color and effects to the projected image in Content Playback mode.

Note: When you use the effects feature, select **Refresh Mode** > **Start** on the **Reset** menu periodically.

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



3. Select the **Content Playback** setting and press **Enter**.
4. Select the **Overlay Effect** setting and press **Enter**.



5. Select the **Overlay Effect** setting again and select **On**.
6. Select the **Shape Filter** setting and adjust the options as necessary.
   - **Shape**: select a circle, rectangle, or other shape effect
   - **Filter Effect**: select an option to mask the inside or outside of the shape
   - **Size**: set the shape size
   - **Position**: set the shape position
7. Select the **Color Filter** setting and adjust the options as necessary.
   - **Color Filter**: select the color
   - **Custom**: adjust red, green, or blue individually
8. Select the **Lightness** setting and adjust the brightness level.
9. Press the **Menu** button to exit.

Parent topic: Projecting in Content Playback Mode

Related references

Projector Reset Options - Reset Menu

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
Projector Security Features
Projecting Two Images Simultaneously
Using Advanced Image Adjustment Features
Using Multiple Projectors
Saving Settings to Memory and Using Saved Settings
Saving a Scheduled Event
Copying Menu Settings Between Projectors

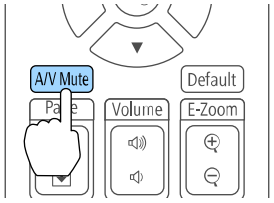
Shutting Off the Picture and Sound Temporarily

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.

Note: If the picture and sound are off for more than 2 hours, the power automatically turns off. You can disable the **A/V Mute Timer** setting in the Extended Menu to turn off this feature.

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 the **A/V Mute** button again.

Note: To fade the image in and out when you use A/V Mute, turn on the **Fade-out** and/or **Fade-in** settings in the Extended menu.

Note: If you selected **A/V Mute** as the **Release A/V Mute** setting in the Extended menu, you can still control the projector while A/V Mute is enabled.

Parent topic: Adjusting Projector Features

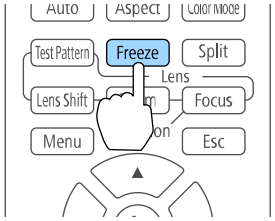
Related references

Projector Setup Settings - Extended Menu

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.

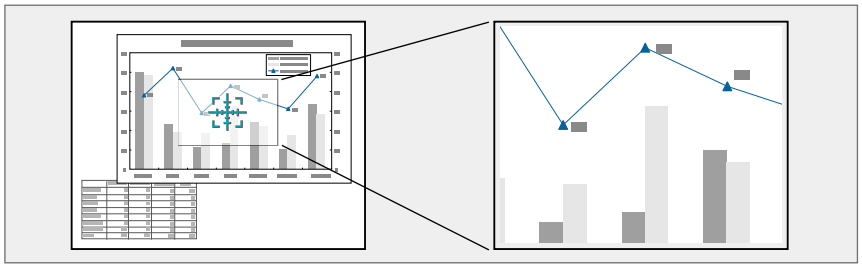


2. To restart the video action in progress, press **Freeze** again.

Parent topic: Adjusting Projector Features

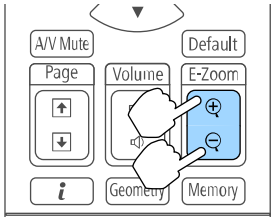
Zooming Into and Out of Images

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



Note: This feature is unavailable if the **Scale** setting in the Signal menu or Extended menu is enabled.

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



   The center of the projected image is enlarged.
2. Use the following buttons on the remote control to adjust the zoomed image:
   - Use the arrow buttons to position 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

Related references

Projector Reset Options - Reset Menu

Projector Setup Settings - Extended Menu

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 or remote control.
- Security cabling to physically cable the projector in place.

Password Security Types

Locking the Projector's Lens Settings and Buttons

Locking the Remote Control Buttons

Installing a Security Cable

Parent topic: Adjusting Projector Features

Password Security Types

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

- **Power On Protection** password prevents anyone from using the projector without first entering a password.
- **User's Logo Protection** password prevents anyone from changing the custom screen the projector can display when it turns on or when you use the A/V Mute feature. The presence of the custom screen discourages theft by identifying the projector’s owner.
- **Network Protection** password prevents anyone from changing the network settings in the projector menus.
- **Schedule Protection** password prevents anyone from changing the projector's time or schedule settings.
- **Remote Camera Access** password prevents anyone from changing the projector's **Remote Camera Access** settings in the Network menu.

Note: Additional security measures are available for the Remote Camera Access feature. Contact Epson for details.

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

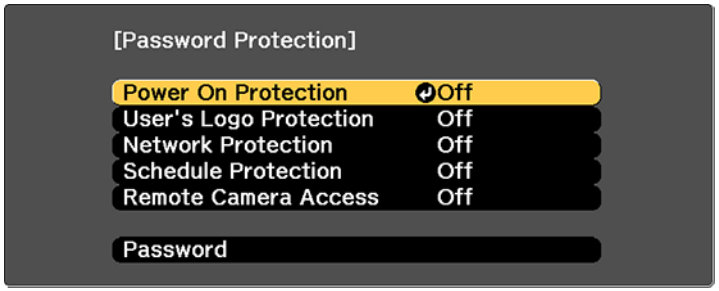
Parent topic: Projector Security Features

Setting a Password

To use password security, you must set a password.

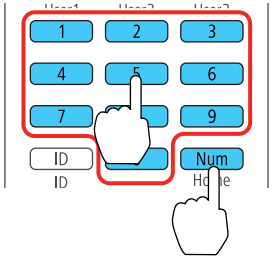
Note: The default password is set to **0000**.

1. Hold down the **Freeze** button on the remote control for about 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.

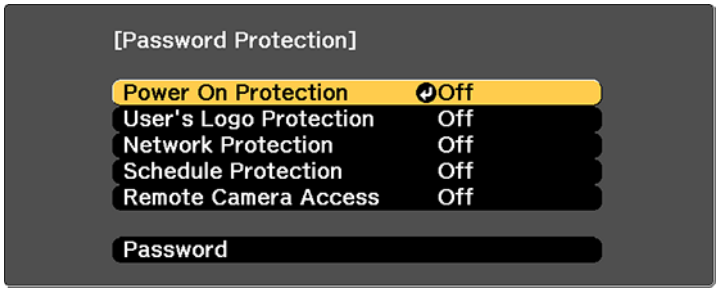
   You see the message "Password accepted."

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 5 seconds or until the menu appears.

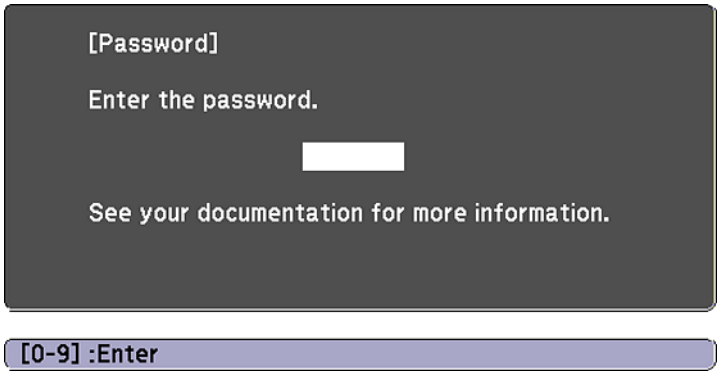
- To prevent unauthorized use of the projector, select **Power On Protection**, press **Enter**, select **On**, press **Enter** again, and press **Esc**.
- To prevent changes to the User's Logo screen or related display settings, select **User's Logo Protection**, press **Enter**, select **On**, press **Enter** again, and press **Esc**.
- To prevent changes to network settings, select **Network Protection**, press **Enter**, select **On**, press **Enter** again, and press **Esc**.
- To prevent changes to the projector's time or schedule settings, select **Schedule Protection**, press **Enter**, select **On**, press **Enter** again, and press **Esc**.
- To prevent changes to the projector's **Remote Camera Access** settings in the Network menu, select **Remote Camera Access**, press **Enter**, select **On**, press **Enter** again, and press **Esc**.

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

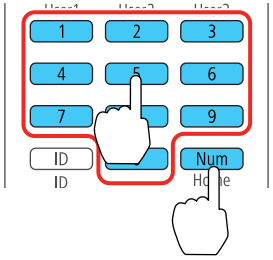
Entering a Password to Use the Projector

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 enter an incorrect password several 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

Saving a User's Logo Image to Display

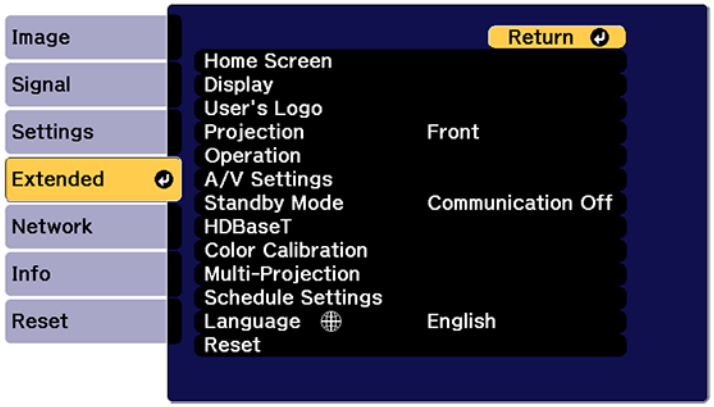
You can transfer an image to the projector and then display it whenever the projector turns on. You can also display the image when the projector is not receiving an input signal or when you temporarily stop projection (using the A/V Mute feature). This transferred image is called the User's Logo screen.

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

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 **Extended** menu, and press **Enter**.



3. Select the **User's Logo** setting and press **Enter**.
4. Select **Start Setting** and press **Enter**.
5. A prompt appears asking if you want to use the displayed image as the user's logo. Select **Yes** and press **Enter**.
6. A prompt appears again asking if you want to use the displayed image as the user's logo. Select **Yes** and press **Enter**.

   You see a completion message.
7. Press **Esc** to return to the **Extended** menu.
8. Select **Display** 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 **Display Background** and set it to **Logo**.
   - To display it whenever you turn the projector on, select **Startup Screen** and set it to **On**.
   - To display it whenever you press the **A/V Mute** button, select **A/V Mute** and set it to **Logo**.

To prevent anyone from changing the User's Logo settings without first entering a password, set a password and enable User's Logo security.

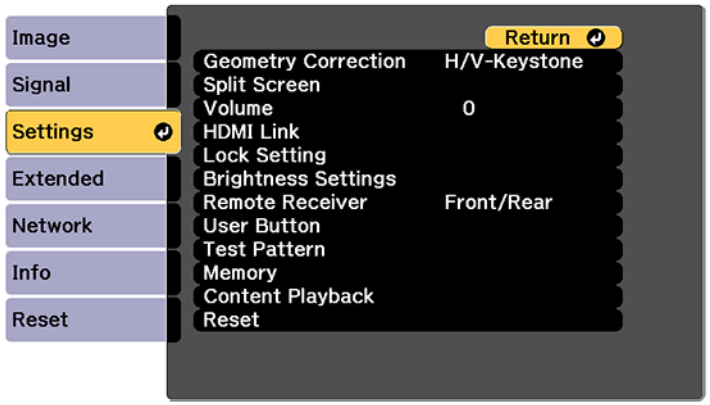
Parent topic: Password Security Types

Locking the Projector's Lens Settings and Buttons

You can lock the buttons on the projector's control panel to prevent anyone from using the projector. You can also lock the zoom, focus, and lens shift settings to prevent them from being adjusted.

Note: You can use the remote control to control the projector when the control panel buttons are locked.

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



3. Select the **Lock Setting** setting and press **Enter**.
4. Select one of these lock types and press **Enter**:
   - To lock all buttons, select **Control Panel Lock** > **Full Lock**.
   - To lock all buttons except the power button, select **Control Panel Lock** > **Partial Lock**.

     Note: A message is displayed on the screen if any control panel buttons are pressed while this setting is enabled.

   - To lock the zoom, focus, and lens shift settings, select **Lens Lock**.

Note: You can also press the lock button on the control panel to display the Control Panel Lock screen.

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 Settings menu.

Note: If the remote control buttons have been locked, hold the **Home** button on the remote control for 5 seconds to unlock them.

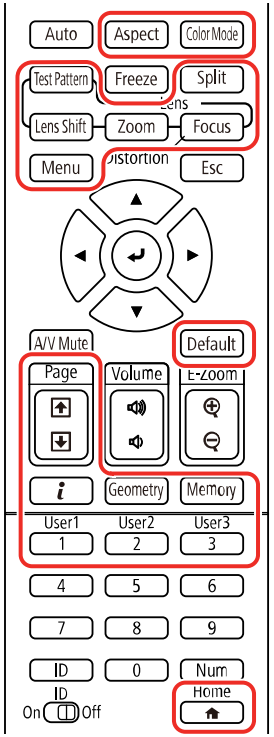
Parent topic: Locking the Projector's Lens Settings and Buttons

Locking the Remote Control Buttons

You can lock some of the buttons on the remote control.

To lock the remote control buttons related to lens operation, turn on the **Lens Lock** setting in the Settings menu.

To lock the remote control buttons shown here, press and hold the **Home** button on the remote control for approximately 5 seconds. (To unlock the buttons, press and hold the **Home** button again for approximately 5 seconds.)



Note: If you lock the remote control buttons, you can still reset the **Remote Receiver** setting in the Settings menu to the default settings.

Parent topic: Projector Security Features

Related references

Projector Feature Settings - Settings 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.

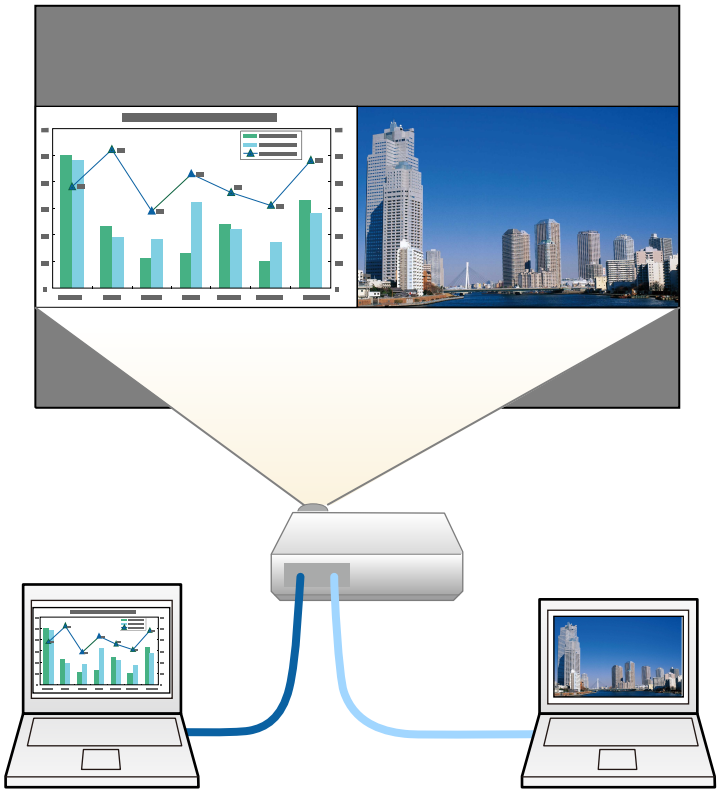
Parent topic: Projector Security Features

Related references

Projector Parts - Rear
Projector Parts - Base

Projecting Two Images Simultaneously

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

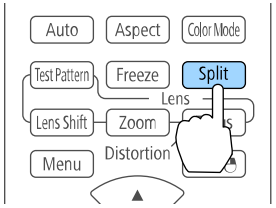


Note: While you use the split screen feature, other projector features may not be available and some settings may be automatically applied to both images.

Note: Input signals with a horizontal resolution greater than 1920 are not supported. You cannot use split screen with the following input source combinations:

- Computer and LAN
- DVI-D and HDMI

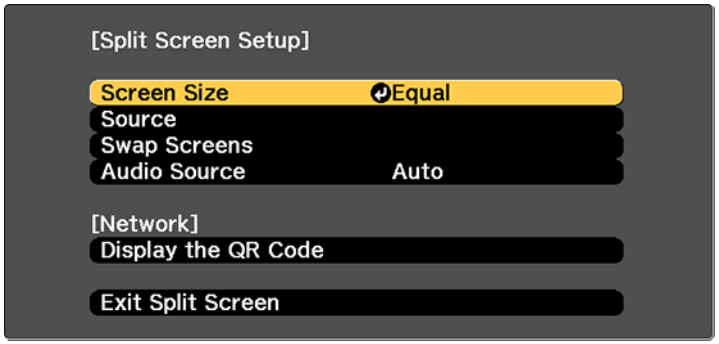
1. Press the **Split** button on the remote control.



The currently selected input source moves to the left side of the screen.

2. Press the **Menu** button.

You see this screen:



3. To select an input source for the other image, select the **Source** setting, press **Enter**, select the input source, select **Execute**, and press **Enter**. (You can also change image sources, if necessary.)
4. To switch the images, select the **Swap Screens** setting and press **Enter**.
5. To change the image sizes, select the **Screen Size** setting, press **Enter**, select a sizing option, press **Enter**, and press **Menu** to exit.

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

6. To choose the audio you want to hear, select the **Audio Source** setting, press **Enter**, select an audio option, press **Enter**, and press **Menu** to exit.
7. To exit the split screen feature, press the **Split** or **Esc** button.

Parent topic: Adjusting Projector Features

Using Advanced Image Adjustment Features

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

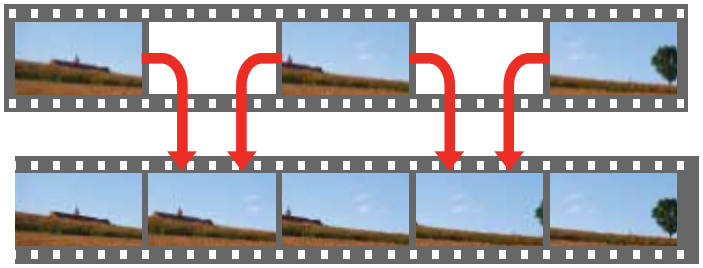
Note: Not all adjustments may be available depending on the projection mode and input signal.

Using Frame Interpolation
Using 4K Enhancement
Creating Image Presets
Using MPEG Noise Reduction
Adjusting Scaled Resolution Images (Super-resolution)
Adjusting Detail Enhancement
Adjusting the Color Convergence (Panel Alignment)
Adjusting the Color Tone (Color Uniformity)
Running Light Source Calibration

Parent topic: Adjusting Projector Features

Using Frame Interpolation

You can use the projector's Frame Interpolation feature to smooth fast-moving video by comparing consecutive image frames and inserting an intermediate image frame between them.

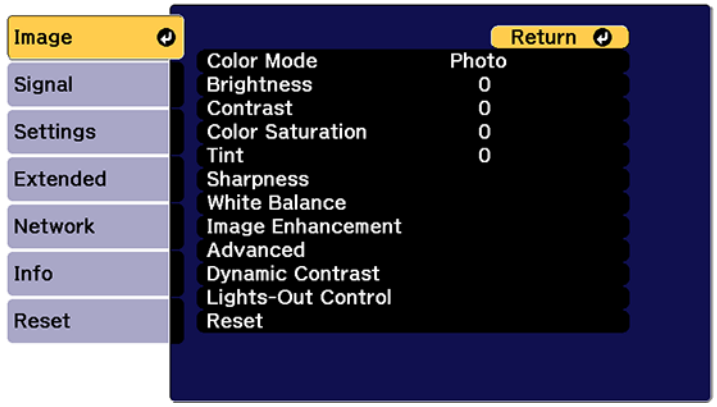


You cannot use this feature in any of the following conditions:

- The image signal exceeds WUXGA
- You turned on the **4K Enhancement**, **Edge Blending**, or **Scale** settings
- You selected **V-Zoom** as the **Aspect** setting
- You turned off the **Image Preset Mode** setting

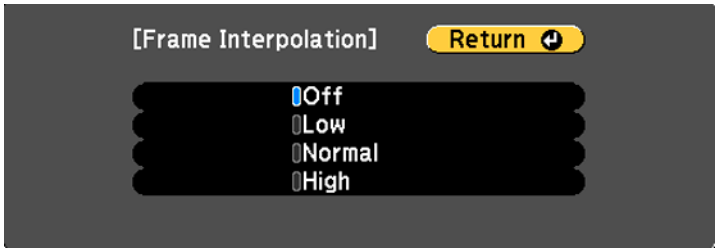
1. Press the **Menu** button.

   You see a screen like this:



2. Select the **Image Enhancement** setting and press **Enter**.
3. Select the **Frame Interpolation** setting and press **Enter**.

   You see a screen like this:



4. Select the level of interpolation and press **Enter**.

5. When you are finished, press the **Menu** button.

Note: If your resulting images contain noise, turn off the **Frame Interpolation** setting.

Parent topic: Using Advanced Image Adjustment Features

Related references

Image Quality Settings - Image Menu
Projector Feature Settings - Settings Menu
Projector Setup Settings - Extended Menu

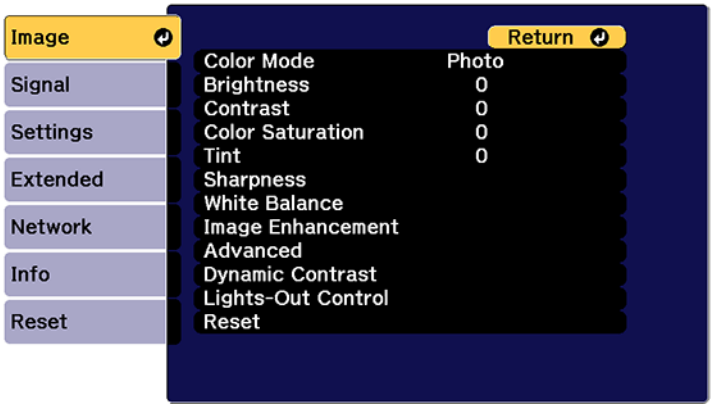
Using 4K Enhancement

Using the projector's 4K Enhancement Technology, you can receive 4K (3840 × 2160 pixel) signals and project ultra high-definition images. This technology shifts each pixel diagonally by 0.5 pixel to double the image resolution.

Note: 4K Enhancement is not available if the **Aspect** setting is set to **Native**.

1. Press the **Menu** button.

   You see a screen like this:



2. Select the **Image Enhancement** setting and press **Enter**.

3. Select the **4K Enhancement** setting and press **Enter**.
4. Select one of the following options and press **Enter**:
   - **Off** to disable 4K enhancement when projecting from computers or multiple projectors
   - **Full HD** to enhance a signal with a resolution of 1080i/1080p/WUXGA or higher
   - **WUXGA+** to enhance a signal with a resolution exceeding WUXGA; when projecting a high-resolution movie, select **WUXGA+** along with an appropriate **Image Preset Mode** setting

   Note: If you select **Full HD** or **WUXGA+**, the following adjustment settings are canceled: **Edge Blending**, **Scale**, **Curved Surface**, **Point Correction**, and **Corner Wall**.
5. Press **Menu** or **Esc** to exit the menus.

Parent topic: Using Advanced Image Adjustment Features

Related references

Projector Feature Settings - Settings Menu
Projector Setup Settings - Extended Menu

Creating Image Presets

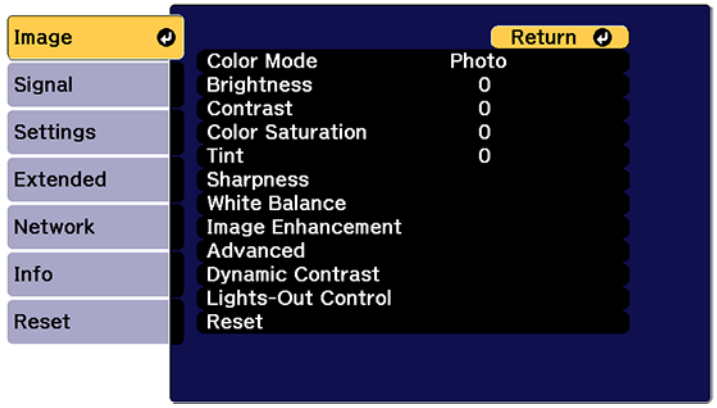
You can quickly optimize your projected image by selecting image adjustment settings and saving them as a preset you can reuse later.

You can save the following settings in a preset:

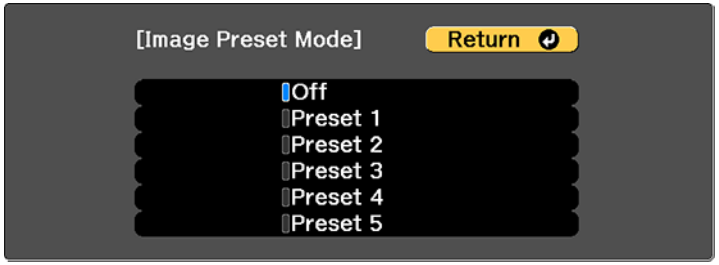
- Frame Interpolation
- Deinterlacing
- Noise Reduction
- MPEG Noise Reduction
- Super-resolution
- Detail Enhancement

1. Press the **Menu** button.

You see a screen like this:



2. Select the **Image Enhancement** setting and press **Enter**.
3. Select the **Image Preset Mode** setting and press **Enter**.



4. Select one of the presets and press **Enter**.

   Note: If you select a previously used preset, your new adjustments overwrite the old ones.

5. Press **Esc** to return to the Image Enhancement menu.
6. Fine-tune the following settings:
   - Frame Interpolation
   - Deinterlacing

- Noise Reduction
- MPEG Noise Reduction
- Super-resolution
- Detail Enhancement

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

   The currently selected **Image Preset Mode** will be updated with the current settings.

Parent topic: Using Advanced Image Adjustment Features

Related references

Image Quality Settings - Image Menu

Using MPEG Noise Reduction

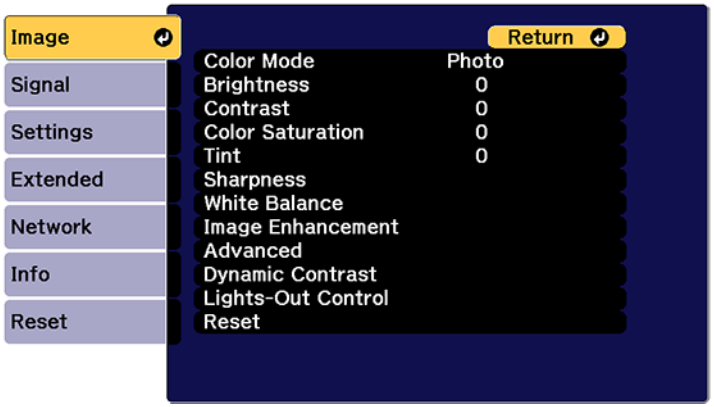
If you are projecting MPEG movies, you can reduce dots and block noise by adjusting the **MPEG Noise Reduction** setting.

You cannot use this feature in any of the following conditions:

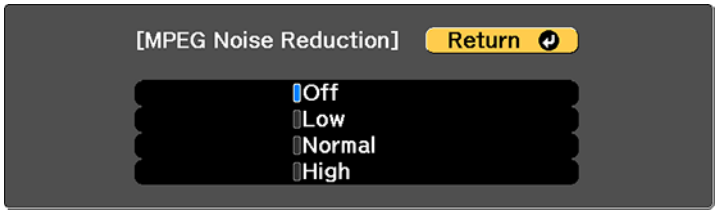
- The image signal exceeds WUXGA
- You turned on the **4K Enhancement** setting
- You turned off the **Image Preset Mode** setting

1. Press the **Menu** button.

   You see a screen like this:



2. Select the **Image Enhancement** setting and press **Enter**.
3. Select the **MPEG Noise Reduction** setting and press **Enter**.



4. Select the level of noise reduction and press **Enter**.
5. Press **Menu** or **Esc** to exit the menus.

Parent topic: Using Advanced Image Adjustment Features

Related tasks

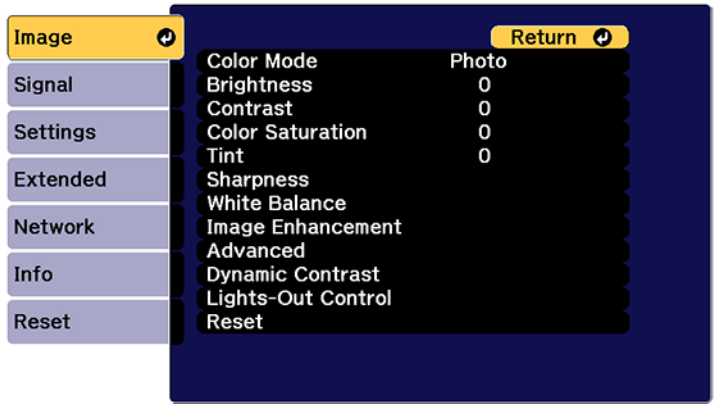
Using 4K Enhancement

Adjusting Scaled Resolution Images (Super-resolution)

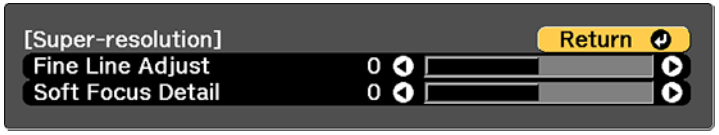
You can sharpen blurry, low-resolution images that had their resolution scaled up for projection using the **Super-resolution** setting.

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

You see a screen like this:



3. Select the **Image Enhancement** setting and press **Enter**.
4. Select the **Super-resolution** setting and press **Enter**.



5. Adjust each of the following options as necessary:
   - **Fine Line Adjust** to enhance fine details such as hair and fabric patterns
   - **Soft Focus Detail** to enhance the outline, background, and main parts of an image

   Note: Higher values increase the intensity of the effect.

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

Parent topic: Using Advanced Image Adjustment Features

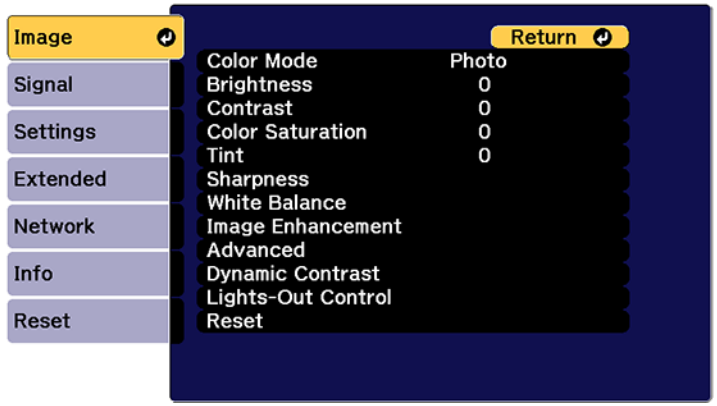
Adjusting Detail Enhancement

You can enhance the contrast in detailed areas of an image to create a more textured look.

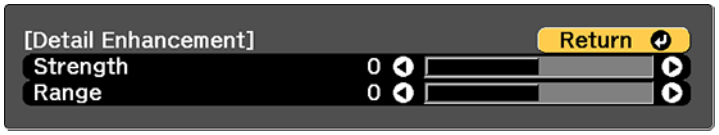
Note: This feature is not available if the **Image Preset Mode** setting is set to **Off**.

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

   You see a screen like this:



3. Select the **Image Enhancement** setting and press **Enter**.
4. Select the **Detail Enhancement** setting and press **Enter**.



5. Adjust each of the following options as necessary:
   - **Strength** to adjust the image contrast
   - **Range** to adjust the enhanced area of the image

   Note: Higher values increase the intensity of the effect.

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

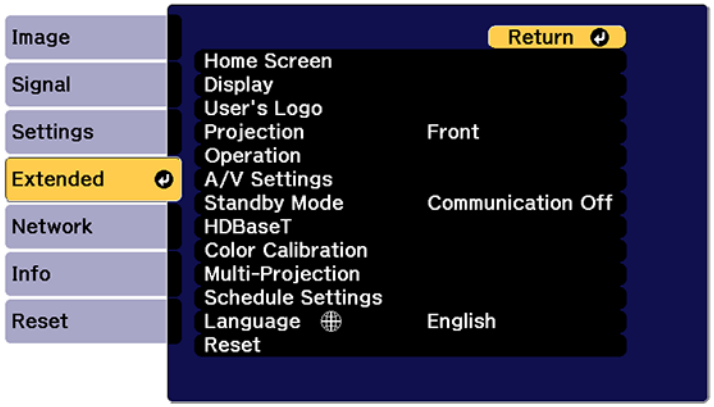
Parent topic: Using Advanced Image Adjustment Features

Adjusting the Color Convergence (Panel Alignment)

You can use the Panel Alignment feature to manually adjust the color convergence (the alignment of the red and blue colors) in the projected image.

Note: You can adjust only the red or blue color convergence. Green is the standard color panel and cannot be adjusted. You can adjust the pixels up to ±3 pixels in 0.125 pixel increments.

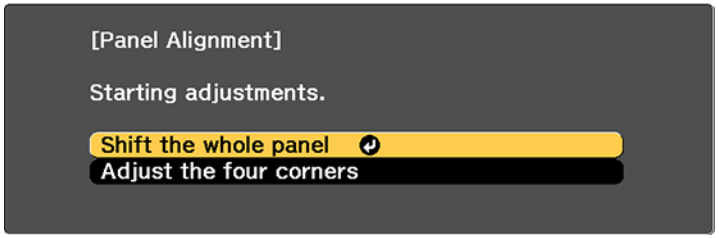
1. Turn on the projector.
2. Press the **Menu** button.
3. Select the **Extended** menu and press **Enter**.



4. Select the **Display** setting and press **Enter**.
5. Select the **Panel Alignment** setting and press **Enter**.
6. Select the **Panel Alignment** setting again and press **Enter**.
7. Select **On** and press **Enter**.
8. Press **Esc** to return to the previous screen.
9. Select the **Select Color** setting and choose one of the following:
   - **R** to adjust the red color convergence.
   - **B** to adjust the blue color convergence.
10. Press **Esc** to return to the previous screen.

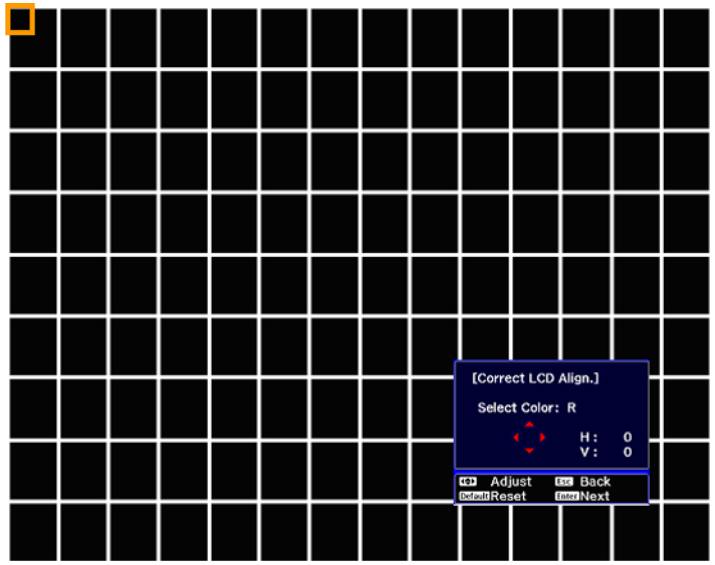
11. Select the **Pattern Color** setting and press **Enter**.
12. Select the pattern you want to use and press **Enter**.
13. Press **Esc** to return to the previous screen.
14. Select **Start Adjustments** and press **Enter**.

    You see this screen:



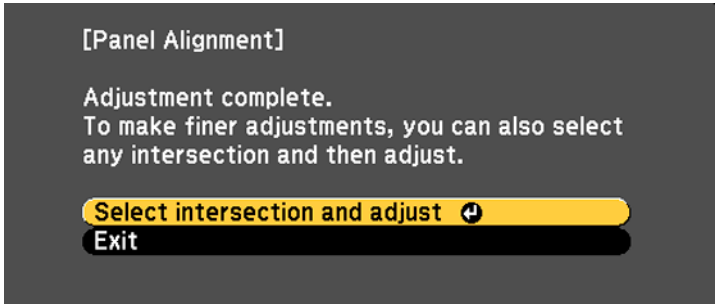
15. First, select **Shift the whole panel** to adjust the entire panel and press **Enter**.
16. Use the arrow buttons on the remote control to adjust the whole panel and press **Enter**.
17. Next, select **Adjust the four corners** to make finer adjustments and press **Enter**.

You see a screen like this:



18. Use the arrow buttons on the remote control to adjust the color alignment of the color you selected for the **Select Color** setting and press **Enter**.
19. When you are finished adjusting each corner of the screen, press **Enter**.

    You see this screen:



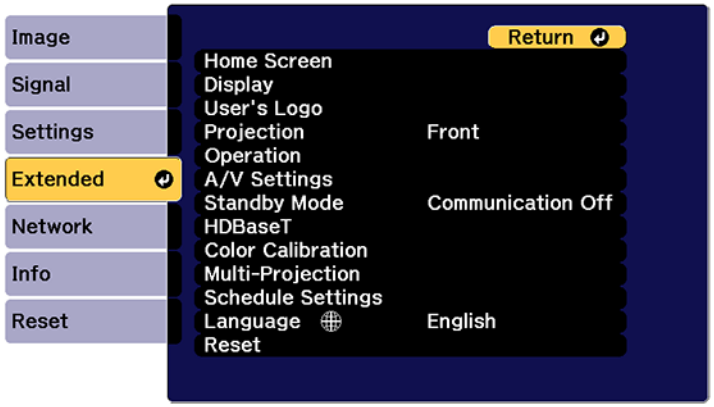
20. Do one of the following:
    - If your projector needs additional panel alignment, select **Select intersection and adjust** and press **Enter** to continue making adjustments.
    - If your projector's panel alignment is now correct, select **Exit** and press **Enter** to return to the Panel Alignment menu.

Parent topic: Using Advanced Image Adjustment Features

Adjusting the Color Tone (Color Uniformity)

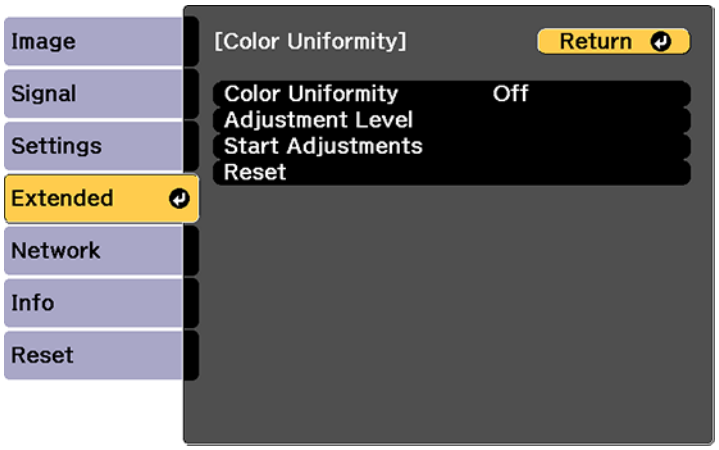
You can use the Color Uniformity feature to manually adjust the color tone balance in the projected image.

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

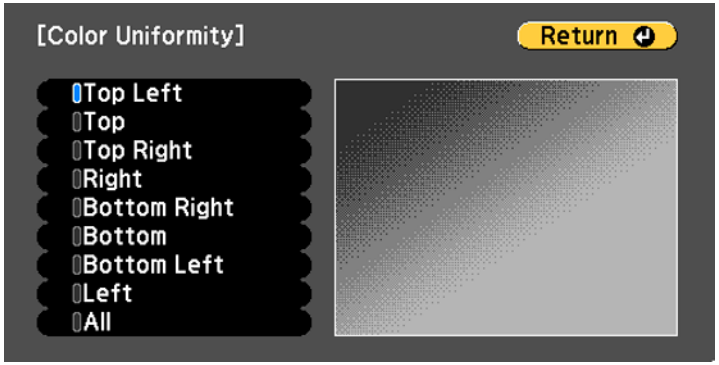


3. Select the **Display** or **Multi-Projection** setting and press **Enter**.
4. Select the **Color Uniformity** setting and press **Enter**.

You see this screen:



5. Press ↵ **Enter** and select **On**.
6. Press **Esc**.
7. Select the **Adjustment Level** setting and press ↵ **Enter**.
8. Press the right and left arrow buttons to adjust the level, and press **Esc**.
9. Select the **Start Adjustments** setting and press ↵ **Enter**.



10. Select the area of the screen that you want to adjust and press ↵ **Enter**.

11. Select the color (**Red**, **Green**, or **Blue**) you want to adjust, and use the left arrow button to weaken the color tone and the right arrow button to strengthen the color tone.
12. Press **Esc**.
13. Repeat steps 10 and 11 for each area you want to adjust.
14. When you are finished, press the **Menu** button.

Parent topic: Using Advanced Image Adjustment Features

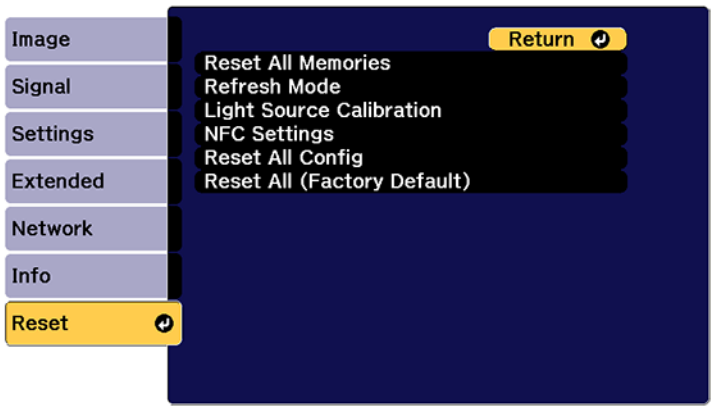
Running Light Source Calibration

Light source calibration automatically adjusts any difference between the white balance and the brightness level of the light source. You should perform light source calibration every 100 hours of projector usage. You can also schedule automatic calibration or run the light source calibration manually using the menus.

Note: To perform a light source calibration, the projector must have been on for at least 20 minutes and the projector brightness must not be automatically dimmed due to high temperatures.

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

   You see a screen like this:



3. Select **Light Source Calibration** and press **Enter**.

4. Select any of the following:
   - To run the light source calibration now, select **Run Now**.
   - To automatically run the light source calibration every 100 hours of projector usage, select **Run Periodically**.
   - To schedule automatic calibration, select **Schedule Settings**.
   - To see the last time the projector performed a calibration, select **Last Run**.
5. When you are finished, select **Return** and press the ↵ **Enter** button to return to the Reset menu.

Parent topic: Using Advanced Image Adjustment Features

Related tasks

Saving a Scheduled Event

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.

Multiple Projector Adjustment Overview

Projector Identification System for Multiple Projector Control

Tiling Images into One Image

Blending the Image Edges

Adjusting the Black Level

Matching Tint and Brightness (Screen Matching)

Scaling an Image

Simple Stacking for One Bright Image

Parent topic: Adjusting Projector Features

Multiple Projector Adjustment Overview

If you are combining images from multiple projectors on a network, you can assign one projector as the "master" and automatically adjust all the images to match the "master" image. If the projectors are not connected to a network, you can match each projector's images manually.

Note: Make sure all networked projectors are connected using LAN cables and have been assigned an IP address. Also disable the **4K Enhancement** and **Sleep Mode** settings on each projector so they do not turn off during adjustment.

1. Turn on all the projectors.
2. Reset all projectors to their default values.
3. Set an ID for each projector and the remote control.
4. Run light source calibration and color calibration on all projectors.
5. Adjust each projector's physical position and angle to the screen.
6. Adjust the position of the image for each projector using lens shift.
7. Adjust the zoom and focus for each projector.
8. Adjust the arrangement of the images to create one large image from up to 15 projectors (tiling).
9. Adjust the brightness and tint of the images using the **Screen Matching** setting.
10. Adjust small differences in the images using the **Point Correction** setting.
11. Select sections of the images using the **Scale** setting.
12. Adjust the edges of the images using the **Edge Blending** and **Black Level** settings.
13. You can create one bright image by overlaying images from up to 6 projectors. Use the **Simple Stacking** setting in the projector menu, or you can also use Epson Projector Professional Tool.

Parent topic: Using Multiple Projectors

Related concepts

Wired Network Projection
Projector Placement
Projector Identification System for Multiple Projector Control

Related references

Projector Reset Options - Reset Menu
Image Quality Settings - Image Menu
Projector Setup Settings - Extended Menu

Related tasks

Turning On the Projector
Adjusting the Image Position Using Lens Shift
Resizing the Image with the Zoom Button
Focusing the Image Using the Focus Buttons
Correcting Image Shape with Point Correction
Blending the Image Edges

Adjusting the Black Level
Scaling an Image
Running Light Source Calibration

Related topics

Tiling Images into One Image
Matching Tint and Brightness (Screen Matching)
Simple Stacking for One Bright Image

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.

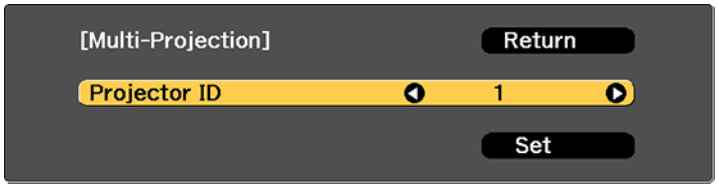
Setting the Projector ID
Setting the Remote Control ID

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 **Extended** menu and press **Enter**.
3. Select the **Multi-Projection** setting and press **Enter**.
4. Select **Projector ID** and press **Enter**.



5. Press the left or right arrow buttons on the remote control to select the identification number you want to use for the projector. Then select **Set** and press **Enter**.

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

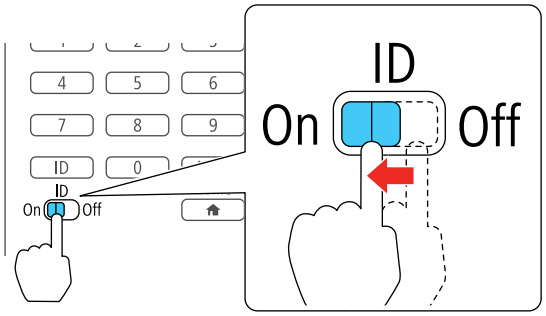
Note: If you don't know the projector's ID, press the **ID** button to temporarily display the projector's ID on the screen.

Parent topic: Projector Identification System for Multiple Projector Control

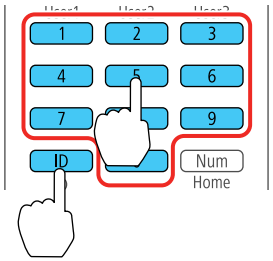
Setting the Remote Control ID

The remote control's ID is set to **0** 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. Set the remote control **ID** switch to **On**.



3. Press and release the **ID** button. Within 5 seconds, use the numeric buttons to enter a number for the projector (for example, **1** for projector ID 1).

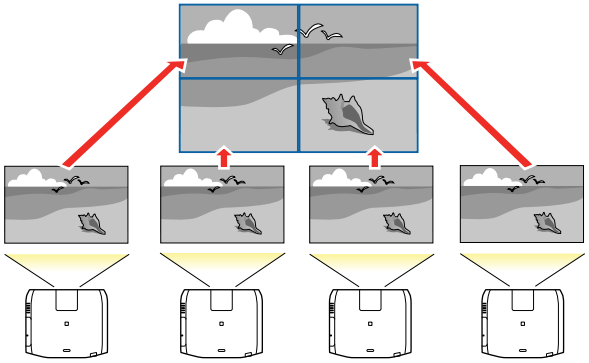


Note: If you don't know the projector's ID, press the **ID** button to temporarily display the projector's ID on the screen. If the batteries are left out of the remote control for an extended period, the remote control ID returns to its default setting.

Parent topic: Projector Identification System for Multiple Projector Control

Tiling Images into One Image

You can project the same image from up to nine projectors to create one large image using the Tiling feature.



Note: Before tiling, make sure the displayed images from your projectors are rectangular, correctly sized, and focused.

Note: You can automatically adjust the tiling using the Tiling Assist feature in the Epson Projector Professional Tool software available for download from the Epson website.

Configuring Tiling Manually

Parent topic: Using Multiple Projectors

Related references

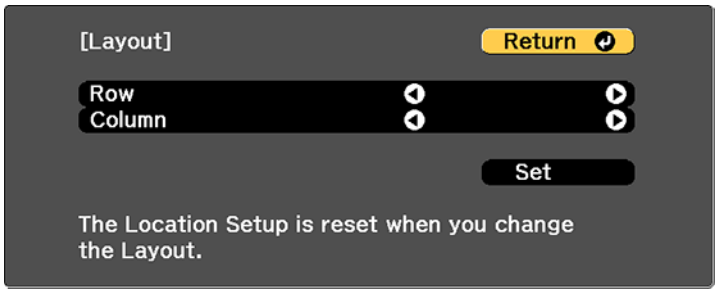
Additional Projector Software and Manuals

Configuring Tiling Manually

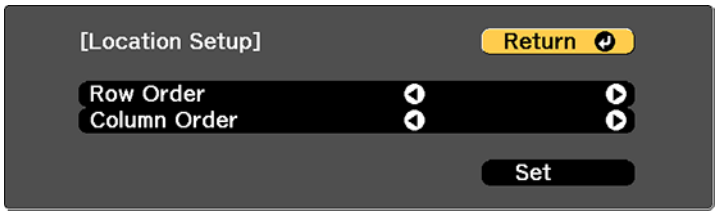
You can project the same image from multiple projectors to create one large image. If your projectors are not on a network or you were unsuccessful tiling the images automatically, you can configure tiling manually.

1. Turn on the projector.
2. Press the **Menu** button.
3. Select the **Extended** menu and press **Enter**.

4. Select **Multi-Projection** > **Tiling** > **Layout**.

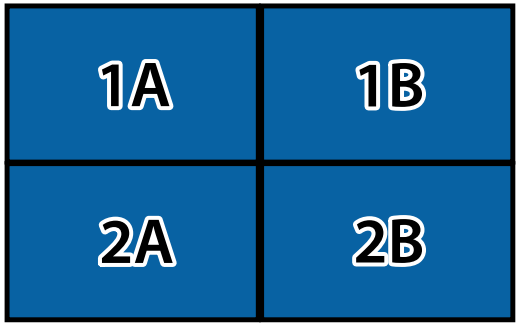


5. Select the number of rows and columns you are setting up as the **Row** and **Column** settings. Then select **Set** and press **Enter**.
6. Repeat the previous steps with each projector you are setting up before continuing with the next step.
7. Select **Location Setup** and press **Enter**.



8. Select the position of each projected image as follows:
   - **Row Order** to layout the screens from top to bottom in sequential order, starting with **1** at the top

- **Column Order** to layout the screens from left to right, starting with **A** on the left



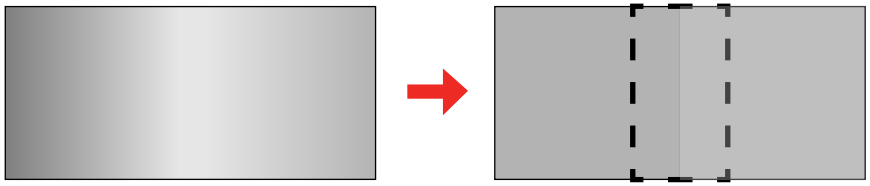
9. Repeat the previous step with each projector you are setting up before continuing with the next step.
10. Select the input signal to display an image.

After performing the steps here, adjust the images for any gaps and differences in color.

Parent topic: Tiling Images into One Image

Blending the Image Edges

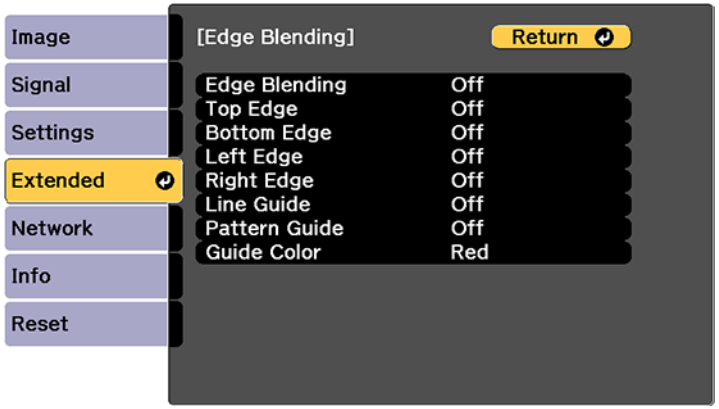
You can use the projector's Edge Blending feature to create a seamless image from multiple projectors.



Note: Before performing Edge Blending, set the **Color Mode** setting to **Multi-Projection** to make more precise adjustments.

1. Press the **Menu** button.
2. Select the **Extended** menu and press **Enter**.
3. Select the **Multi-Projection** setting and press **Enter**.
4. Select the **Edge Blending** setting and press **Enter**.

You see this screen:

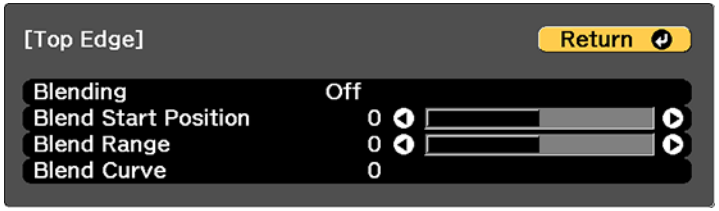


5. Turn on the **Edge Blending**, **Line Guide**, and **Pattern Guide** settings.

   Note: If the projected guide is unclear, try changing the **Guide Color** setting.

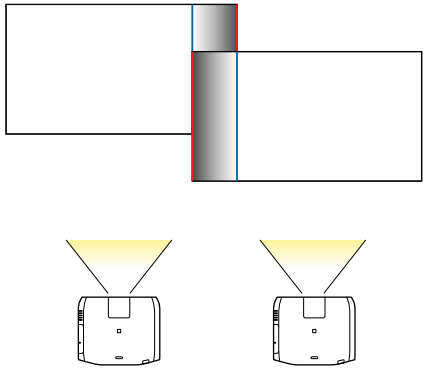
6. Select the edge you want to blend on each projector and press **Enter**. For the projector on the left, select the **Right Edge** and for the projector on the right, select **Left Edge**.

   You see a screen like this:



7. Select the **Blending** setting and select **On**.
8. Press **Esc** to return to the previous screen.
9. Select the **Blend Start Position** setting and adjust the point where edge blending begins.

10. Select the **Blend Range** setting and use the arrow buttons to select the width of the blended area so that the displayed guides are at the edges of the overlapping area between the two images.

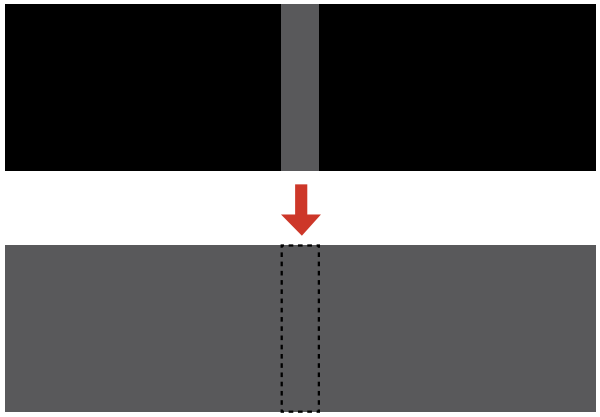


11. Press **Esc** to go back to the previous screen.
12. Select the **Blend Curve** setting and select a gradient for the shaded area on the projectors.
13. When the edges are blended, turn off the **Line Guide** and **Pattern Guide** settings on each projector to check the final settings.
14. When you are finished, press the **Menu** button.

Parent topic: Using Multiple Projectors

Adjusting the Black Level

When two images overlap, the overlapping area can appear differently from the areas that do not overlap. You can use the projector's Black Level setting to make the difference less noticeable.

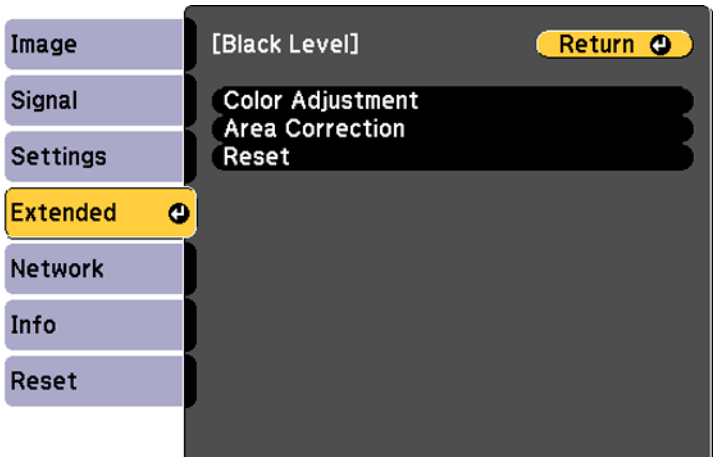


You cannot adjust the **Black Level** setting if you are displaying a test pattern, if the **Edge Blending** setting is set to **Off**, or no edge position is selected.

Note: You may not be able to adjust the black levels correctly if the **Geometry Correction** settings are set too high. The brightness and tone of the overlapping areas may differ from the rest of the image even after adjusting the black level.

1. Press the **Menu** button.
2. Select the **Extended** menu and press **Enter**.
3. Select the **Multi-Projection** setting and press **Enter**.
4. Select the **Black Level** setting and press **Enter**.

You see this screen:

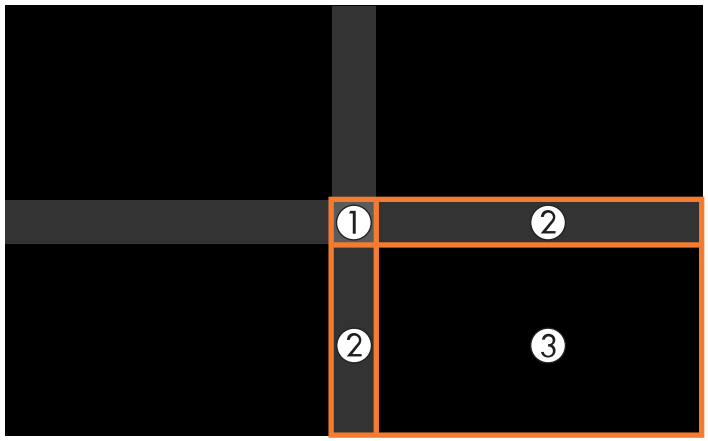


5. Select the **Color Adjustment** setting and press ↵ **Enter**.

   You see a screen based on the **Top Edge**, **Bottom Edge**, **Right Edge**, and **Left Edge** settings you selected for the **Edge Blending** setting.

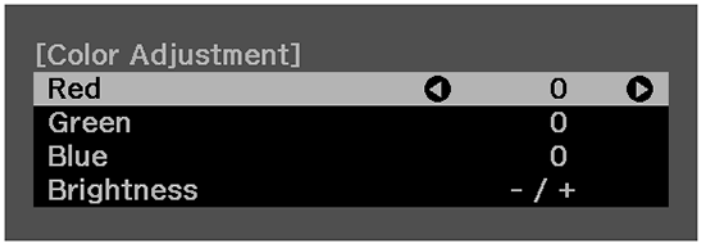
   Note: The **Color Adjustment** setting is automatically adjusted when selecting **Start Auto Adjustment** in the Screen Matching screen.

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



Note: The area you selected is displayed in orange. Adjust overlapping areas starting with the brightest areas first. For example, adjust area 2 to match area 1, then adjust area 3 to match area 2.

7. Adjust the brightness and tone of the areas that do not overlap to match the areas that overlap using the displayed adjustment sliders.



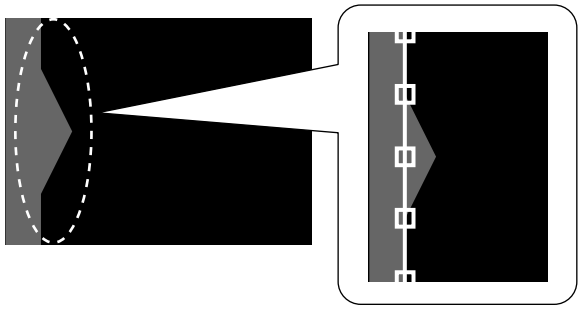
8. Repeat the previous two steps as needed until all areas match.
9. If the tone of some areas do not match, you can adjust them using the **Area Correction** setting. Continue with the next step. Otherwise, press the **Menu** button to exit.
10. Press the **Esc** button to return to the Black Level screen.
11. Select the **Area Correction** setting and press ↵ **Enter**.

12. Select the **Start Adjustments** setting and press **Enter**.

    You see a screen with boundary lines indicating areas that are overlapping. The boundary lines are based on the **Top Edge**, **Bottom Edge**, **Right Edge**, and **Left Edge** settings you selected for the **Edge Blending** setting.

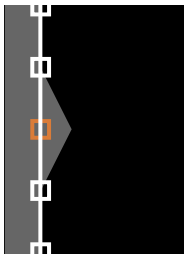
13. Use the arrow buttons to select a boundary line and press **Enter**.

    You see a screen like this displaying the points you can use to set the adjustment range:

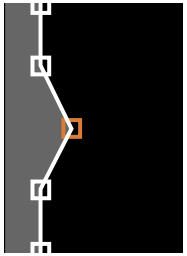


14. Use the arrow buttons to adjust the boundary line position and press **Enter**.
15. Use the arrow buttons to select an adjustment point and press **Enter**.

    The selected point turns orange.



16. Use the arrow buttons to move the point.



17. To move another point, press the **Esc** button and repeat the previous two steps.
18. To move another boundary line, press the **Esc** button repeatedly until you can select a boundary line.
19. When you are finished, press the **Menu** button.

Note: Changing the **Top Edge**, **Bottom Edge**, **Right Edge**, or **Left Edge** settings resets the **Black Level** setting to its default value.

Parent topic: Using Multiple Projectors

Related references

Projector Setup Settings - Extended Menu

Matching Tint and Brightness (Screen Matching)

You can adjust the tint and brightness of multiple projectors so they match better. You can also schedule automatic adjustments to the tint and brightness.

Note: Wait 20 minutes after turning on the projector before using the Screen Matching feature and darken the room for maximum accuracy. Brightness decreases over time, so you may need to perform Screen Matching again to correct large differences in brightness.

Screen Matching Conditions

Matching the Screens Manually

Parent topic: Using Multiple Projectors

Related tasks

Saving a Scheduled Event

Screen Matching Conditions

You can use the screen matching feature under the following conditions:

- All of the projectors are the same model and the optional external camera is installed on each projector.
- You are projecting on a matte white diffusion screen that is flat and even.
- The projectors are installed parallel to the screen.
- Nothing is blocking the optional external camera and the projected image.
- More than 20 minutes have passed after turning on the projectors.
- The projectors to be adjusted are grouped.
- The projected images do not overlap or have gaps between them, and they create a rectangular image after tiling.
- The projection size for each projector is between 80 to 200 inches (203 to 508 cm).
- All of the projectors are connected to the same network and project images with the same resolution.
- The **Blend Range** setting for edge blending is set between 15 to 45%.
- The **Projection** setting for all projectors is set to **Front** or **Front/Ceiling**.

Parent topic: Matching Tint and Brightness (Screen Matching)

Related references

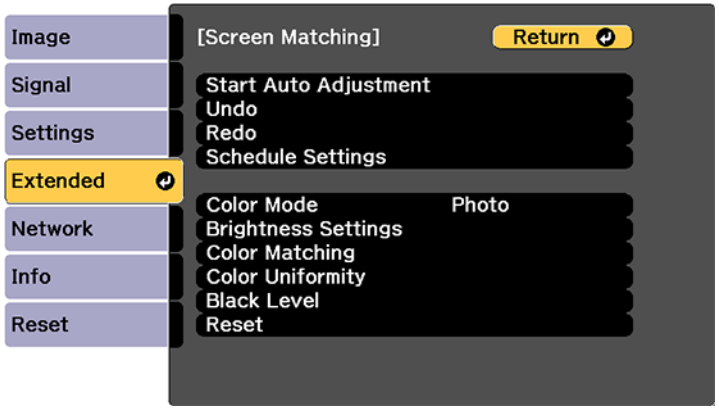
Projector Setup Settings - Extended Menu

Matching the Screens Manually

You can manually correct the brightness and tint for multiple projectors.

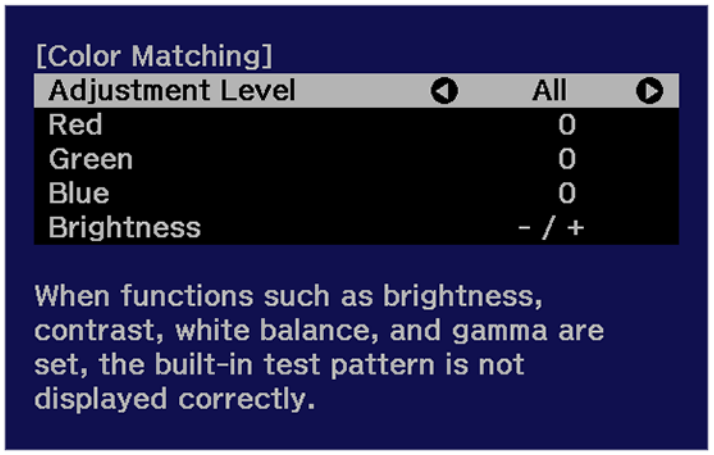
1. Press the **Menu** button.
2. Select the **Extended** menu and press **Enter**.
3. Select the **Multi-Projection** setting and press **Enter**.
4. Select the **Screen Matching** setting and press **Enter**.

You see a screen like this:



5. Select the **Color Matching** setting and press ↵ **Enter**.

   You see this screen:



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

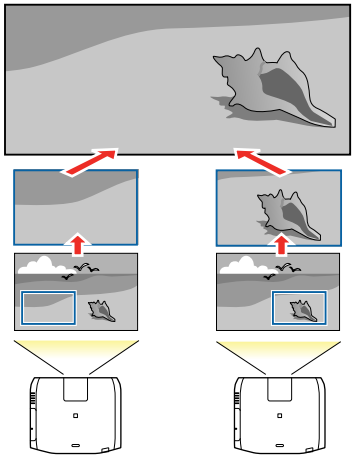
   Note: There are eight adjustment levels ranging from white to black and you can adjust each level individually.

7. Press the left or right arrow buttons to adjust the color tone for the **Red**, **Green**, and **Blue** settings.
8. Press the left or right arrow buttons to adjust the **Brightness** setting.
9. Repeat the previous three steps as necessary to adjust each adjustment level.
10. Press the **Esc** button to return to the previous screen.

Parent topic: Matching Tint and Brightness (Screen Matching)

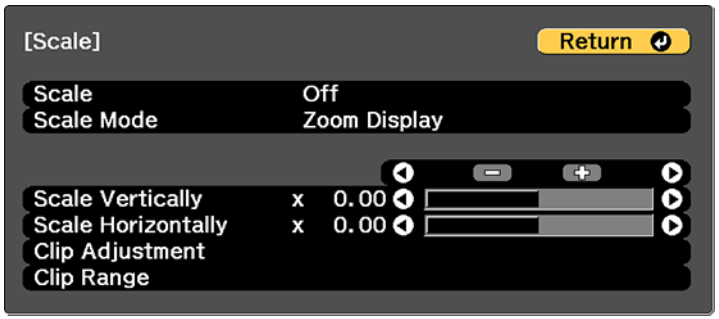
Scaling an Image

You can project the same image from multiple projectors and use the Scale feature to crop and combine them into one large image.

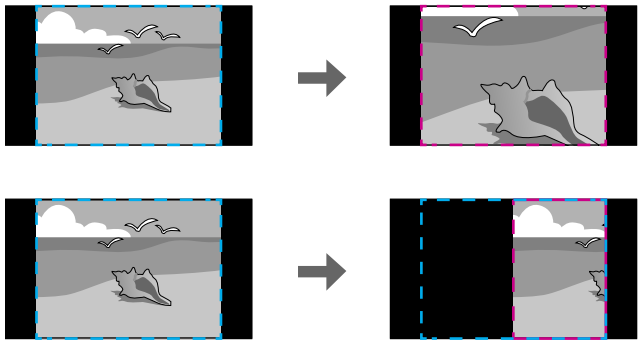


1. Press the **Menu** button.
2. Select the **Extended** menu and press **Enter**.
3. Select the **Multi-Projection** setting and press **Enter**.
4. Select the **Scale** setting and press **Enter**.

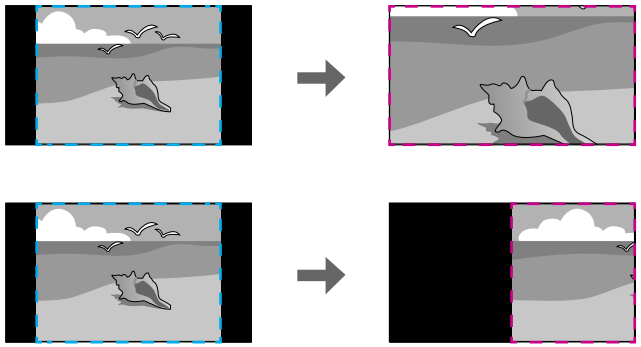
You see this screen:



5. Select one of the following as the **Scale** setting:
   - **Auto** to automatically adjust the clipped areas according to the **Edge Blending** and **Tiling** settings you selected
   - **Manual** to adjust the clipped areas manually
6. Select the **Scale Mode** setting and select one of these options:
   - **Zoom Display** to maintain the image aspect ratio as you scale the image



- **Full Display** to adjust the image to the projector's screen size as you scale the image



7. If you selected **Auto** as the Scale setting, you can skip the remaining steps. If you selected **Manual**, adjust each of the following options as necessary:
   - Select **–** or **+** to scale the image horizontally and vertically at the same time
   - Select **Scale Vertically** to scale the image vertically only
   - Select **Scale Horizontally** to scale the image horizontally only
8. Select the **Clip Adjustment** setting and use the arrow buttons to adjust the coordinates and size of each image as you view the screen.
9. Select the **Clip Range** setting to preview the area you just selected.
10. Press the **Menu** button to exit.

Parent topic: Using Multiple Projectors

Simple Stacking for One Bright Image

You can create a bright projected image by overlapping the images of up to 6 projectors.

Note: You can also set up stacking using the Epson Projector Professional Tool (version 1.31 or later). You can download the software from the Epson support website at epson.com/support (U.S.), epson.ca/support (Canada), or latin.epson.com/support (Latin America).

Simple Stacking Conditions
Setting Up Simple Stacking

Parent topic: Using Multiple Projectors

Related references

Additional Projector Software and Manuals

Simple Stacking Conditions

You can use the simple stacking feature under the following conditions:

- All of the projectors are the same model and the optional external camera is installed on each projector.
- Wait for 2 minutes after turning on all of the projectors before starting the simple stacking process.
- You are projecting on a matte white diffusion screen that is flat and even.
- All of the projectors are installed parallel to the screen.
- Nothing is blocking the optional external camera and the projected image.
- The projection size is within the following range according to the brightness of the light source (when the screen luminance is 40 lux or less):
  - Up to 9.9 Klm: 50 to 200 inches (127 to 508 cm)
  - 10 Klm: 60 to 300 inches (152 to 762 cm)
- All of the projectors are projecting images at the same resolution.
- The luminance ratio on the screen surface when projecting on an all-white screen and when projecting on an all-black screen is 8:1 or more.
- The **Projection** setting for all projectors is set to **Front** or **Front/Ceiling**.

Parent topic: Simple Stacking for One Bright Image

Related references

Optional Equipment and Replacement Parts

Projector Setup Settings - Extended Menu

Setting Up Simple Stacking

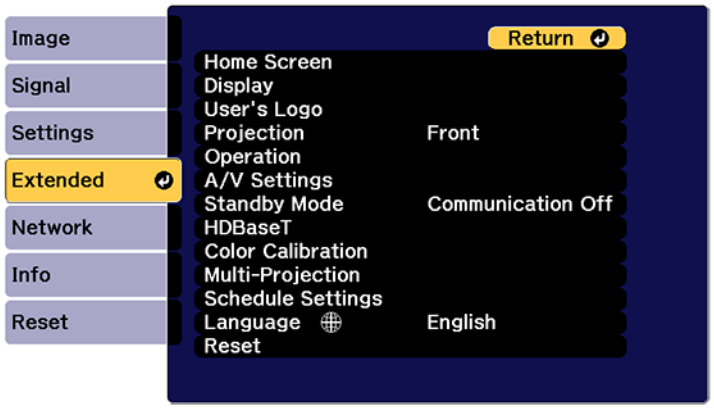
You can create a bright projected image by overlapping the images of up to 6 projectors.

1. Connect two projectors using a LAN cable.

   Note: For EB-PU2010B/EB-PU2010W, you can also connect the projectors using an SDI cable.

2. Turn on the projectors.
3. Make sure the **DHCP** setting is turned on in the Network Configuration menu on all projectors.

4. Adjust the image position, shape, and focus on one of the projectors (this projector becomes the "master" projector).
5. Press the **Menu** button.
6. Select the **Extended** menu and press **Enter**.



7. Select the **Multi-Projection** setting and press **Enter**.
8. Select the **Simple Stacking** setting and press **Enter**.
9. Do one of the following:
   - Select **Point Correction** in the **Geometry Correction** menu to divide the projected image into a grid and correct the distortion in increments. You can move the points on the grid between 0.5 to 600 pixels in any direction, including outside of the projection range.
   - Select **Start Auto Adjustment** to automatically adjust the projected image using the camera assist functions.

     Note: This setting is only available when the optional external camera is installed.

10. Press the **Menu** button to exit.

Parent topic: Simple Stacking for One Bright Image

Related references

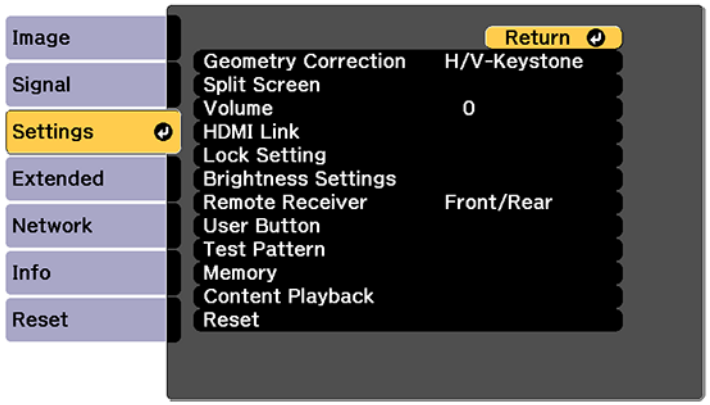
Projector Network Settings - Network Menu

Projector Feature Settings - Settings Menu

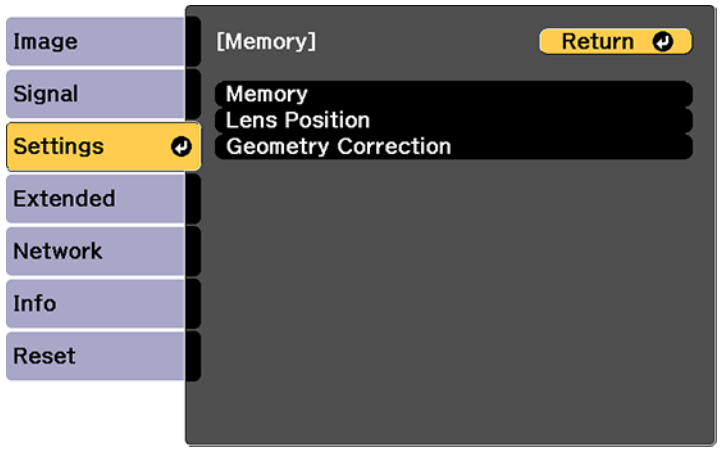
Saving Settings to Memory and Using Saved Settings

You can save customized settings 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 **Settings** menu and press **Enter**.



4. Select the **Memory** setting and press **Enter**.



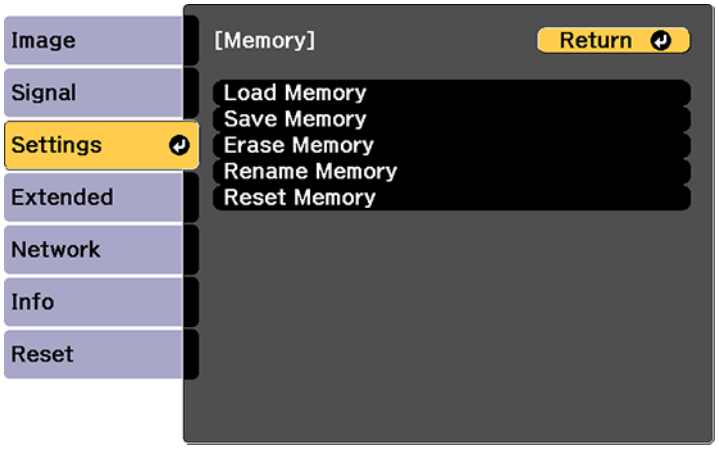
Note: You can also access this screen by pressing the **Memory** button on the remote control.

5. Select one of the following options:
   - **Memory**: Saves or loads various settings; you can save up to 10 different memories

     Note: The following settings are saved: all settings from the Image menu, the **Scale** setting from the Signal menu, the **Brightness Settings** from the Settings menu, and the **Edge Blending**, **Black Level**, and **Color Matching** settings from the Extended menu.

   - **Lens Position**: Saves or loads settings related to the lens such as the lens shift, focus, zoom, and distortion adjustment settings; you can save up to 10 different memories
   - **Geometry Correction**: Saves or loads any adjustments made in the **Geometry Correction** setting in the Settings menu; you can save up to 3 different memories

   You see this screen:



6. Select one of the following options:
   - **Load Memory**: Overwrites your current settings with saved settings
   - **Save Memory**: Saves your current settings to memory

     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.

- **Erase Memory**: Erases the selected memory settings
- **Rename Memory**: Renames a saved memory
- **Reset Memory**: Resets the name and settings of a saved memory

  Note: To reset all saved memories of all types, select **Reset All Memories** in the Reset menu.

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

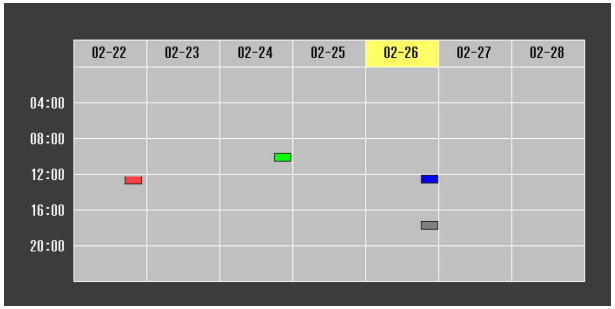
Parent topic: Adjusting Projector Features

Saving a Scheduled Event

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

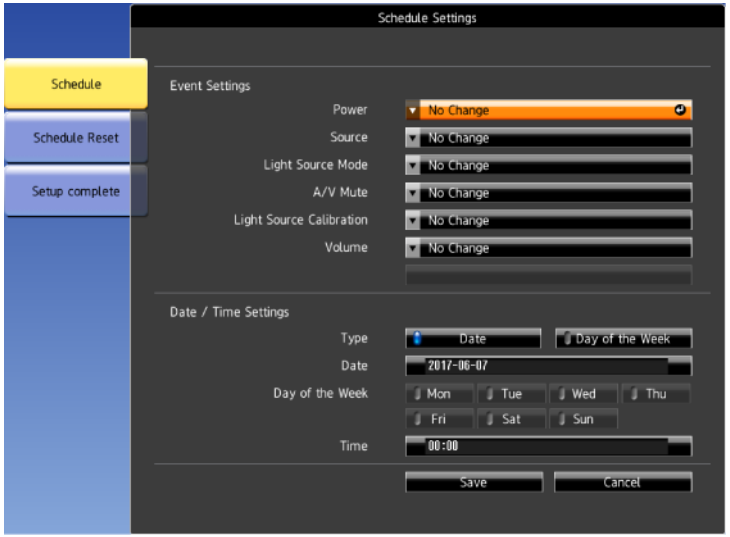
1. Press the **Menu** button.
2. Select the **Extended** menu and press **Enter**.
3. Select the **Schedule Settings** setting and press **Enter**.

   You see a screen like this:



4. Select the **Schedule** menu and press **Enter**.
5. Select **Add New** and press **Enter**.

You see a screen like this:



6. 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.)
7. In the Date/Time Settings section, set the date and time for the scheduled events to occur.
8. When you are finished, select **Save** and press **Enter**.
9. To schedule more events, repeat the previous steps as necessary.
10. Select **Setup complete** and select **Yes** to save your changes.

Viewing Scheduled Events
Editing a Scheduled Event

Parent topic: Adjusting Projector Features

Related tasks
Running Light Source Calibration

Viewing Scheduled Events

You can view any currently scheduled events.

1. Press the **Menu** button.

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

   You see a screen like this:



   The colored boxes in the calendar indicate the following about the scheduled events:

   - One-time event
   - Recurring event
   - Communication is on/off
   - Event is invalid

Parent topic: Saving a Scheduled Event

Editing a Scheduled Event

You can edit any currently scheduled event.

1. Press the **Menu** button.
2. Select the **Extended** 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 **Esc**.
6. Select one of the following:
   - **On/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 select **Yes** to save your changes.

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

Parent topic: Saving a Scheduled Event

Copying Menu Settings Between Projectors

After you select menu settings for your projector, you can transfer them to another projector of the same model.

Note: Copy the projector's settings before you adjust the projected image using the projector's Geometry Correction settings. Any saved User's Logo setting on the projector will transfer to the other projector.

Caution: If the copy process fails due to a power failure, communication error, or for any other reason, Epson will not be responsible for any repair costs incurred.

The following settings will not transfer between projectors:

- Info menu items
- Network menu settings other than those in the Notifications and Others menus (when the **Batch Setup Range** setting is set to **Limited**)
- EDID settings in the Signal menu (when the **Batch Setup Range** setting is set to **Limited**)
- Password-protected items

Note: In addition to the methods covered in this section, you can also copy and transfer settings to multiple projectors over a network using the Epson Projector Management software. See the online *Epson Projector Management Operation Guide* for instructions. You can download the latest software and documentation from the Epson website.

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

Related references
Projector Information Display - Info Menu
Projector Network Settings - Network Menu
Additional Projector Software and Manuals

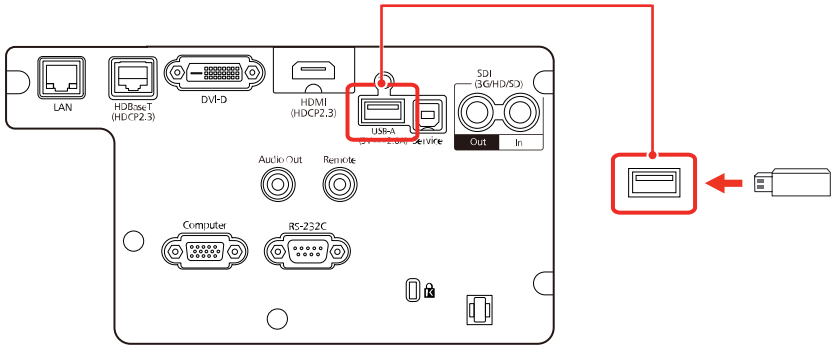
Saving Settings to a USB Flash Drive

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.

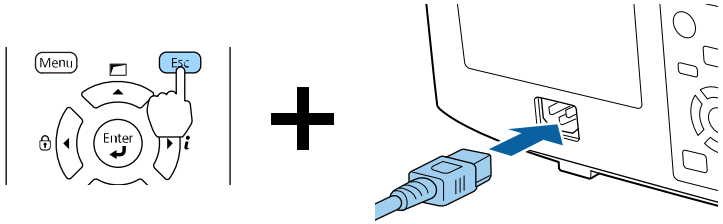
1. Turn off the projector and unplug the power cord from the projector's power inlet.

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 Laser 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.

Parent topic: Copying Menu Settings Between Projectors

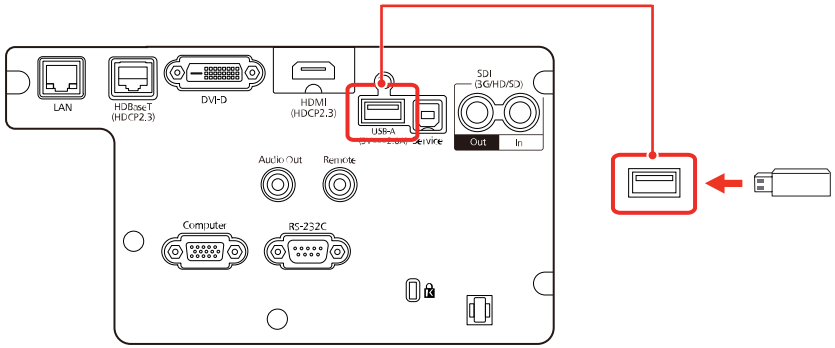
Transferring Settings from a USB Flash Drive

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.

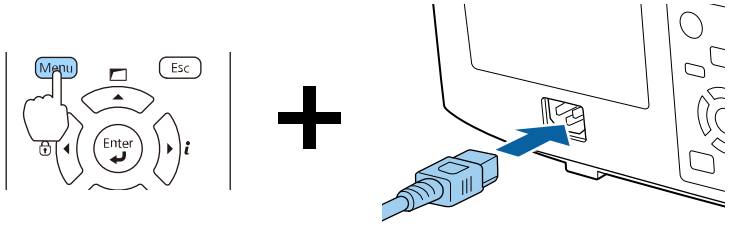
Do not adjust image settings on a projector until after you transfer settings to it. Otherwise, you may have to repeat your adjustments.

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.

Parent topic: Copying Menu Settings Between Projectors

Saving Settings to a Computer

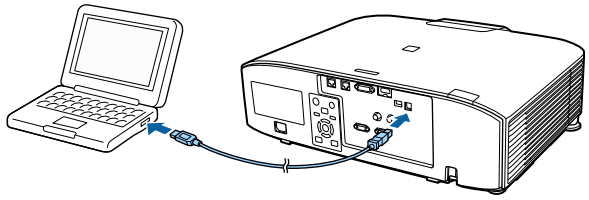
You can save the projector settings you want to transfer to a computer.

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

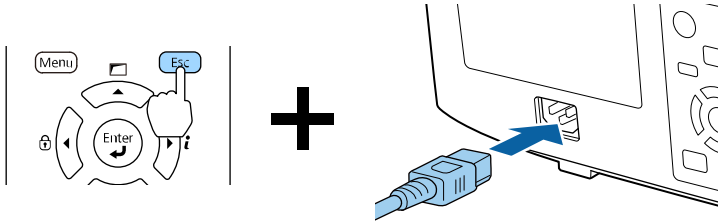
- Windows 7
- Windows 8.x
- Windows 10
- OS X 10.11.x
- macOS 10.12.x
- macOS 10.13.x
- macOS 10.14.x
- macOS 10.15.x

- macOS 11.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 **Service** 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 enters standby mode.

Parent topic: Copying Menu Settings Between Projectors

Transferring Settings from a Computer

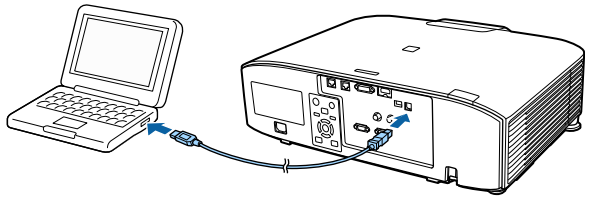
After saving projector settings to a computer, you can transfer them to another projector of the same model.

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

- Windows 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
- macOS 11.x

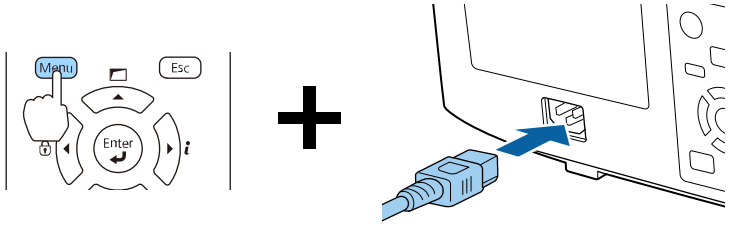
Do not adjust image settings on a projector until after you transfer settings to it. Otherwise, you may have to repeat your adjustments.

1. Turn off the projector and unplug the power cord from the projector's power inlet.
2. Connect a USB cable to your projector's **Service** 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.

   All the lights start flashing to indicate that the projector's settings are being updated. When the lights stop flashing, the On/Standby light turns blue and the projector enters standby mode.

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

Parent topic: Copying Menu Settings Between Projectors

Adjusting the Menu Settings

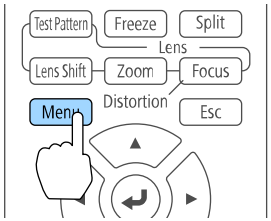
Follow the instructions in these sections to access the projector menu system and change projector settings.

Using the Projector's Menus
Image Quality Settings - Image Menu
Input Signal Settings - Signal Menu
Projector Feature Settings - Settings Menu
Projector Setup Settings - Extended Menu
Projector Network Settings - Network Menu
Projector Information Display - Info Menu
Projector Reset Options - Reset Menu

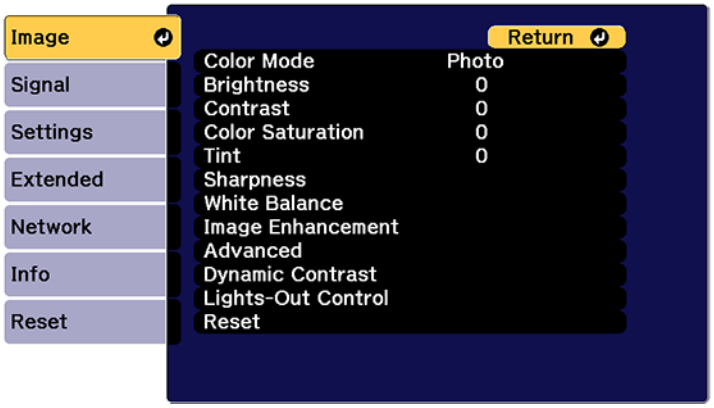
Using the Projector's Menus

You can use the projector's menus to adjust the settings that control how your projector works. The projector displays the menus on the screen.

1. Press the **Menu** button on the control panel or remote control.



You see the menu screen displaying the Image menu settings.



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.

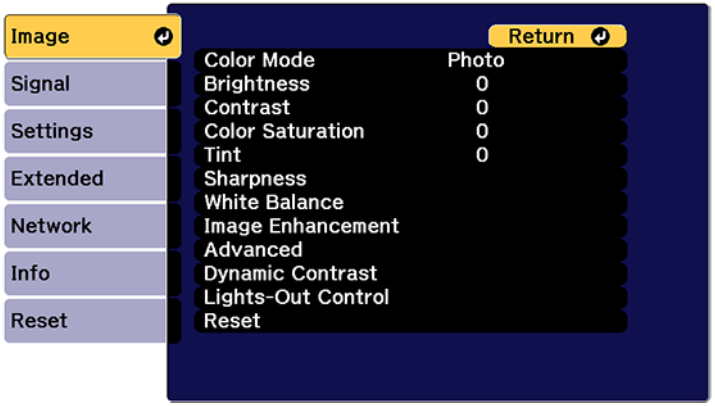
   Note: The available settings depend on the current input source, resolution, your projector model, or other menu settings.

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 **Reset**.
7. When you finish changing settings on a menu, press **Esc**.
8. Press **Menu** or **Esc** to exit the menus.

Parent topic: Adjusting the Menu Settings

Image Quality Settings - Image Menu

Settings on the Image menu let you adjust the quality of your image for the input source you are currently using. The available settings depend on the currently selected input source.



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

Setting	Options	Description
Color Mode	See the list of available Color Modes	Adjusts the vividness of image colors for various image types and environments
Brightness	Varying levels available	Lightens or darkens the overall image
Contrast	Varying levels available	Adjusts the difference between light and dark areas of the image
Color Saturation	Varying levels available	Adjusts the intensity of the image colors
Tint	Varying levels available	Adjusts the balance of green to magenta tones in the image

Setting	Options	Description
Sharpness	**Standard** **Thin Line Enhancement** **Thick Line Enhancement**	Adjusts the sharpness of image details **Standard**: adjusts the overall image sharpness **Thin Line Enhancement**: enhances fine details such as hair and fabric patterns **Thick Line Enhancement**: enhances the outline, background, and main parts of an image to make them more clear
White Balance	**Color Temp.** **G-M Correction** **Offset R/G/B** **Gain R/G/B**	Adjusts the overall tint of the image **Color Temp.**: sets the color tone based on color temperature **G-M Correction**: higher values tint the image blue and lower values tint the image red **Offset R/G/B** and **Gain R/G/B**: lets you adjust the offset and gain of each color R (red), G (green), and B (blue) individually

Setting	Options	Description
Image Enhancement	**4K Enhancement**	Accepts 4K signals and enhances the output of 1080p signals
	Image Preset Mode	Selects the image enhancement settings saved in advance
	Frame Interpolation	Smooths fast-moving video by comparing consecutive frames and inserting an intermediate frame between them
	Deinterlacing	Sets whether to convert interlaced-to-progressive signals for certain video images **Off**: for fast-moving video images **Video**: for most video images **Film/Auto**: for movies, computer graphics, and animation
	Noise Reduction	Reduces flickering in analog images
	MPEG Noise Reduction	Reduces the noise or artifacts seen in MPEG video
	Super-resolution	Sharpens blurred images resulting from increasing resolution
	Detail Enhancement	Enhances details for clear outlines **Range**: higher settings increase the affected area around the outline **Strength**: higher settings create a stronger effect
	Reset	Resets all **Image Enhancement** menu settings to their defaults

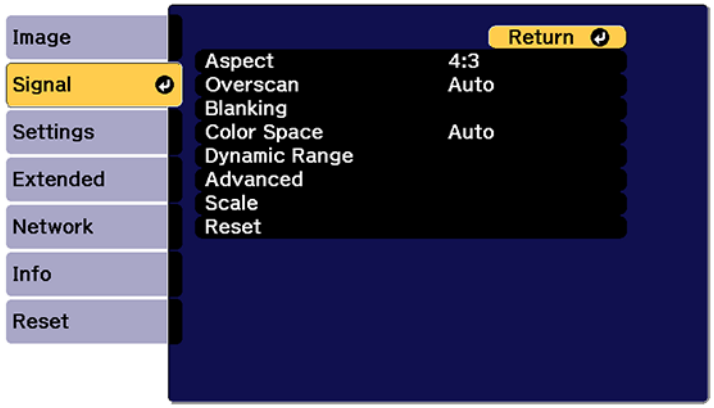
Setting	Options	Description
Advanced	**Scene Adaptive Gamma**	Adjusts the gamma levels depending on the scene and can obtain a more vivid image
	Gamma	Adjusts the gamma levels of the image. Select **Customized** to adjust the gamma while viewing the image or a graph.
	RGBCMY	Adjusts the hue, saturation, and brightness for each color
Dynamic Contrast	**Dynamic Contrast** **Response Speed** **Black Level**	Adjusts the projected luminance based on the image brightness **Dynamic Contrast**: set to **On** to automatically adjust the amount of light **Response Speed**: select **High Speed** to adjust the luminance as soon as a scene changes **Black Level**: adjust the black level from 0 to 20%
Lights-Out Control	**Lights-Out Control** **Lights-Out Signal Level** **Lights-Out Timer**	Sets the light source to turn off automatically **Lights-Out Control**: select **On** to automatically turn off the light source based on the signal level or a set time **Lights-Out Signal Level**: sets the brightness level for the current input signal **Lights-Out Timer**: sets the amount of time before turning off the light source
Reset	—	Resets all **Image** menu settings to their defaults

Note: The **Brightness** setting does not affect laser brightness. To change the laser brightness, use the **Brightness Settings** in the Settings menu.

Parent topic: Adjusting the Menu Settings

Input Signal Settings - Signal Menu

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



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

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

Setting	Options	Description
Resolution	**Auto** **Normal** **Wide** **Manual**	Sets the input signal resolution from an analog RGB computer connection **Auto**: detects the resolution automatically **Normal**: for 4:3 or 5:4 screens **Wide**: for widescreen **Manual**: allows you to specify a resolution

Setting	Options	Description
Aspect	See the list of available aspect ratios	Sets the aspect ratio (width-to-height ratio) for the selected input source
Tracking	Varying levels available	Adjusts signal to eliminate vertical stripes in images from an analog RGB computer connection
Sync.	Varying levels available	Adjusts signal to eliminate fuzziness or flickering in images from an analog RGB computer connection
Position	Up, down, left, right	Adjusts the image location on the screen from an analog RGB computer connection
Auto Setup	**On** **Off**	Automatically optimizes image quality from an analog RGB computer connection (when On)
Overscan	**Auto** **Off** **4%** **8%**	Changes the output image ratio
Color Space	**Auto** **BT.709** **BT.2020**	Changes the color space based on the input image; select **Auto** to apply a suitable color space for the AVI InfoFrame of the image

Setting	Options	Description
Dynamic Range	**Dynamic Range** **Signal Status** **HDR10 Setting** **HLG Setting**	Sets the video range to match the input source setting **Dynamic Range**: select **Auto** to automatically identify the dynamic range of the input signal **Signal Status**: displays the selected setting **HDR10 Setting**: adjusts the PQ curve of the dynamic range **HLG Setting**: adjusts the HLG curve of the dynamic range
Blanking	Up, down, left, right	Hides an area of the projected image that you select using the arrow buttons
Advanced	**Video Range**	Sets the video range to match the setting of the device connected to the **HDMI**, **DVI-D**, or **HDBaseT** input ports
	EDID	Describes the projector's display capabilities to devices connected to the **HDMI**, **HDBaseT**, or **DVI-D** input ports
Scale	Various scale options	When using multiple projectors to project one image, adjusts the scale of the image displayed by each projector
Reset	—	Resets all the **Signal** menu settings to their defaults

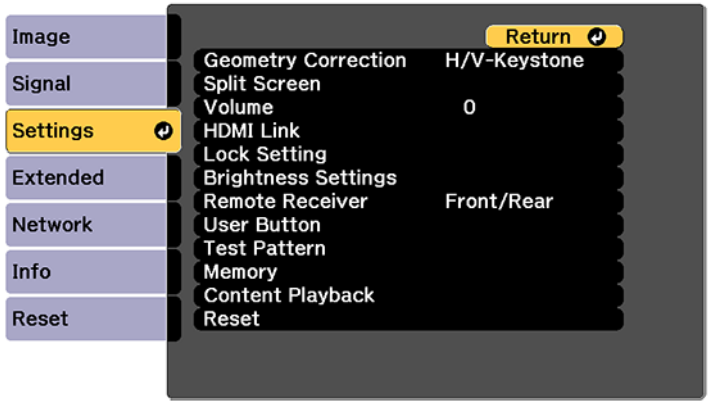
Parent topic: Adjusting the Menu Settings

Related references

Available Image Aspect Ratios

Projector Feature Settings - Settings Menu

Options on the Settings menu let you customize various projector features.



Setting	Options	Description
Geometry Correction	**H/V-Keystone** **Quick Corner** **Curved Surface** **Corner Wall** **Point Correction** **Memory**	Adjusts the projected image shape **H/V Keystone**: lets you manually correct the angles of the horizontal and vertical sides **Quick Corner**: select to adjust the position of the four corners **Curved Surface**: select to adjust the image when projecting on a curved surface **Corner Wall**: select to adjust the image when projecting on a surface with a right angle **Point Correction**: select to display a grid and finely adjust the image position **Memory**: select to save adjustment value of the geometric correction and load it when needed
Split Screen	—	Divides the viewing area horizontally and displays two images side-by-side; while in Split Screen mode, press **Menu** to display the Split Screen options or **Esc** to cancel split screen display
Volume	Varying levels available	Adjusts the volume of an external speaker connected to the projector

Setting	Options	Description
HDMI Link	**Device Connections** **HDMI Link** **Audio Out Device** **Power On Link** **Power Off Link** **Link Buffer**	Adjusts the HDMI Link options that allow the projector remote to control HDMI-connected devices **Device Connections**: lists the devices connected to the HDMI port **HDMI Link**: enables or disables the HDMI Link function **Audio Out Device**: selects which device or port outputs audio. Select **Projector** to output audio from a device connected to the **Audio Out** port. Select **AV System** to output audio from externally connected speakers or an AV system through CEC. **Power On Link**: controls what happens when you turn on the projector or a linked device. Select **PJ -> Device** or **Bidirectional** to turn on the linked device when the projector is turned on. Select **Device -> PJ** or **Bidirectional** to turn on the projector when the linked device is turned on **Power Off Link**: controls whether linked devices are turned off when the projector is turned off **Link Buffer**: improves weak HDMI Link connections

Setting	Options	Description
Lock Setting	**Control Panel Lock** **Lens Lock**	Controls projector button locking to secure the projector **Control Panel Lock**: • **Full Lock**: locks all buttons • **Partial Lock**: locks all buttons except the power button • **Off**: no buttons locked **Lens Lock**: locks the focus, zoom, and lens shift settings

Setting	Options	Description
Brightness Settings	**Light Source Mode** **Brightness Level** **Constant Brightness** **Estimated Remains**	Selects the brightness mode of the projector **Light Source Mode**: sets the brightness for the light source • **Normal**: maximum brightness • **Medium**: 85% brightness with reduced fan noise • **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 next three settings **Brightness Level**: select the **Custom** brightness level you want **Constant Brightness**: maintains a constant brightness (if this setting is enabled, you cannot change the **Light Source Mode** and **Brightness Level** settings) **Estimated Remains**: displays how long the projector can maintain constant brightness (if that setting is selected)
Remote Receiver	**Front/Rear** **Front** **Rear** **Off**	Limits reception of remote control signals by the selected receiver; **Off** turns off all receivers

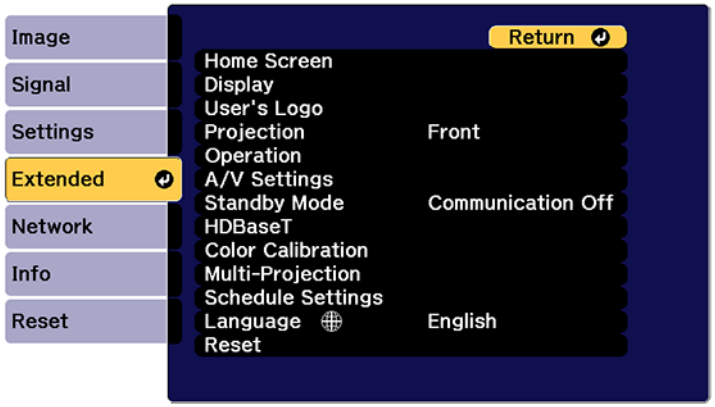
Setting	Options	Description
User Button	**User Button 1** **User Button 2** **User Button 3**	Assigns a menu option to the **User1**, **User2**, and **User3** buttons on the remote control for one-touch access
Test Pattern	—	Displays a test pattern to assist in adjusting the image; press the left or right arrow buttons on the remote control or **Enter** on the control panel to cycle through the available test patterns, or **Esc** to cancel pattern display
Memory	**Memory** **Lens Position** **Geometry Correction**	Save customized sets of settings to memory **Memory**: loads, saves, erases, renames, or resets specific menu settings **Lens Position**: saves the position of the adjusted lens **Geometry Correction**: saves the geometry correction adjustments
Content Playback	**Content Playback** **Overlay Effect** **USB Viewer**	Plays back a playlist created in the Epson Projector Content Manager software **Content Playback**: turns **Content Playback** on or off **Overlay Effect**: adds color and effects to the projected image when **Content Playback** is set to **On** (not available when **Edge Blending** is set to **On**) **USB Viewer**: selects a specific playlist from a USB device connected to the projector when **Content Playback** is set to **On**

Setting	Options	Description
Reset	—	Resets all the **Settings** menu settings to their defaults

Parent topic: Adjusting the Menu Settings

Projector Setup Settings - Extended Menu

Settings on the Extended menu let you customize various projector setup features that control its operation.



Setting	Options	Description
Home Screen	—	Adjust settings on the Home Screen
Display	—	See the **Display** settings table in this topic
User's Logo	—	Creates a screen that the projector displays to identify itself and enhance security

Setting	Options	Description
Projection	**Front** **Front/Ceiling** **Rear** **Rear Ceiling**	Selects the way the projector faces the screen so the image is oriented correctly
Operation	—	See the **Operation** settings table in this topic
A/V Settings	**A/V Output**	Select **Always On** to output audio and video to an external device and to enable the **HDBaseT** port when the projector is in standby mode; **Standby Mode** must be turned on and **Quick Startup** must be turned off to use this setting
Standby Mode	**Communication On** **Communication Off**	Enable this setting to allow the following operations to occur when the projector is in standby mode: • Monitor and control the projector over a network • Output audio and video to an external device (A/V Output must be set to **Always On**) • Communication from the **HDBaseT** port (Control Communications must be set to **On**)

Setting	Options	Description
HDBaseT	**Control Communications** **Extron XTP**	Selects the communication settings for connections to an HDBaseT transmitter or switcher **Control Communications**: enables or disables communication from the Ethernet and serial ports on the transmitter; turning on this setting disables the projector's **LAN**, **RS-232C**, and **Remote** ports (**Extron XTP** must be turned off to use this setting) **Extron XTP**: set to **On** when you connect an Extron XTP transmitter or switcher to the HDBaseT ports
Color Calibration	**Color Calibration** **Start Auto Adjustment** **Undo** **Redo** **Color Uniformity** **Reset**	Adjusts the color balance and brightness and restores the default image quality **Color Calibration**: select **On** to enable color calibration **Start Auto Adjustment**: starts auto adjustment **Undo**: undo the auto adjustment **Redo**: restore the auto adjustment if you selected **Undo** **Color Uniformity**: adjusts the color tone balance for the whole image **Reset**: resets all color calibration values to their default settings

Setting	Options	Description
Multi-Projection	**Projector ID** **Projector Grouping** **Tiling** **Geometry Correction** **Edge Blending** **Black Level** **Scale** **Reset**	Select various options when projecting from multiple projectors **Projector ID**: sets the projector to a particular ID number which allows you to use a remote control to individually control projectors **Projector Grouping**: creates a group of projectors that you can control simultaneously **Tiling**: sets the number of split screens and the position of each image **Geometry Correction**: corrects image distortion **Edge Blending**: blends the border between multiple images to create a seamless screen **Black Level**: adjusts the brightness and tone differences in overlapping images **Scale**: adjusts the scale of the images **Reset**: resets all multi-projection settings to their defaults

Setting	Options	Description
	Screen Matching	Adjusts color and brightness settings for multiple projectors so they match better **Start Auto Adjustment**: starts auto adjustment for all projectors **Undo**: undo the auto adjustment **Redo**: restore the auto adjustment if you selected **Undo** **Schedule Settings**: sets a schedule for screen matching **Color Mode**: sets the same color mode for all projectors **Brightness Settings**: sets the brightness for all projectors **Color Matching**: corrects the tint and brightness differences between images **Color Uniformity**: adjusts the color tone balance for the entire screen **Black Level**: adjusts the brightness and tone differences in overlapping images **Reset**: resets all screen matching settings to their defaults

Setting	Options	Description
	Simple Stacking	Creates a bright projected image by overlapping images from multiple projectors **Geometry Correction**: corrects image distortion **Start Auto Adjustment**: starts auto adjustment for simple stacking
Schedule Settings	Various scheduling options	Lets you schedule various projector tasks
Language	Various languages available	Selects the language for projector menu and message displays (not changed by **Reset** option)
Reset	—	Resets all **Extended** menu settings to their defaults

Display settings

Setting	Description
Menu Position	Selects the position of the projector menu displayed on the screen
Message Position	Selects the position of messages displayed on the screen
Messages	Controls whether messages are displayed on the screen
Display Background	Selects the screen color or logo to display when no signal is received
Startup Screen	Controls whether a special screen appears when the projector starts up
Standby Confirmation	Displays a confirmation message after pressing the **Standby** button on the remote control
Air Filter Notice	Displays a message when a clog in the air filter is detected

Setting	Description
Screen	Sets the aspect ratio and position of the projected image according to the type of screen being used
Panel Alignment	Corrects color misalignment in the projected image
Color Uniformity	Adjusts the color tone balance
OSD Rotation	Rotates the menu display 90°

Operation settings

Setting	Description
Direct Power On	Turns on the projector when you plug it in
Sleep Mode	Automatically places the projector in standby mode after an interval of inactivity
Sleep Mode Timer	Sets the time before the projector automatically turns off (Sleep Mode must be turned on)
High Altitude Mode	Regulates the projector's operating temperature at altitudes above 4921 feet (1500 m)
Auto Source Search	Automatically select an input source
Auto Power On	If **Computer** or **BNC** is selected, the projector turns on when an input signal is detected from those ports
Startup Source	Selects the source you want to project from when the projector is turned on and **Content Playback** is set to **On**
Quick Startup	Sets the time period for Quick Startup mode; start projecting quickly after the projector is turned on
USB Power	Continues to supply power to a connected streaming media player when the projector is not projecting images

Setting	Description
A/V Mute Settings	Adjusts the A/V Mute settings **Fade-in**: sets the number of seconds for a fade-in transition effect when displaying an image **Fade-out**: sets the number of seconds for a fade-out transition effect when hiding an image **A/V Mute Timer**: turns off the projector automatically if A/V Mute is enabled and 2 hours of inactivity has passed **A/V Mute Release**: select **A/V Mute** if you want to use only the **A/V Mute** button to turn off A/V mute, or select **Any Button** to use any button to turn it off
Advanced	See the next table in this topic
Date & Time	Adjusts the projector's time and date settings
Lens Calibration	Displays information about the lens currently in use

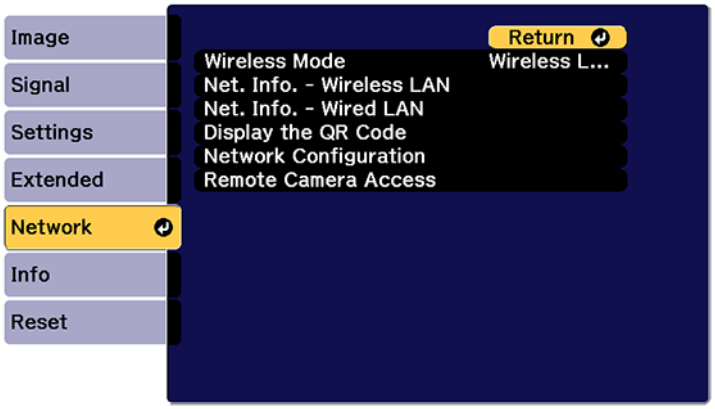
Advanced settings

Setting	Description
Beep	Controls the beep that sounds when you turn the projector on or off
Indicators	Select **Off** to turn off projector lights, except warning lights
Log Save Destination	Sets where you want to save the operation logs for the projector. Select **USB and Internal Memory** to save logs as text files to a USB flash drive inserted into the projector's **USB-A** port.
Batch Setup Range	Selects which menu settings you want copied. Select **Limited** if you do not want to copy the **EDID** and **Network** menu settings.
AC Voltage Monitoring	Monitors the projector's voltage status and obtains a log when a warning, disconnection, or power blockage occurs
Lens Type	Select the model number for the attached lens when using the following lenses: ELPLS04, ELPLU02, ELPLR04, ELPLW04, ELPLM06, ELPLM07, ELPLL07

Parent topic: Adjusting the Menu Settings

Projector Network Settings - Network Menu

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



Setting	Options	Description
Wireless Mode	**Wireless LAN On** **Off**	Enable or disable wireless communication

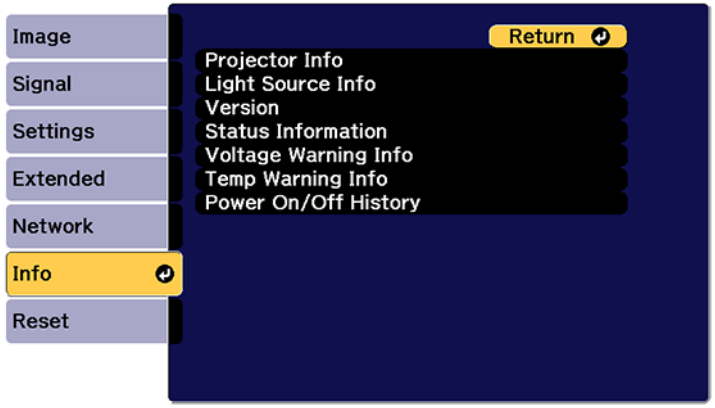
Setting	Options	Description
Net. Info - Wireless LAN	**Connection mode** **Wireless LAN Sys.** **Antenna level** **Projector Name** **SSID** **DHCP** **IP Address** **Subnet Mask** **Gateway Address** **MAC Address** **Region Code** **IPv6 Address (Manual)** **IPv6 Address (Auto)**	Displays wireless network status and details
Net. Info - Wired LAN	**Projector Name** **DHCP** **IP Address** **Subnet Mask** **Gateway Address** **MAC Address** **IPv6 Address (Manual)** **IPv6 Address (Auto)**	Displays wired network status and details
Display the QR Code	—	Displays the QR Code
Network Configuration	Accesses additional network menus	Configures your network settings

Setting	Options	Description
Remote Camera Access	**Remote Camera Access** **Password**	Displays the image taken by the optional external camera using Epson Web Control **Remote Camera Access**: select **On** to enable remote camera access **Password**: sets a password for accessing the projector over the Web

Parent topic: Adjusting the Menu Settings

Projector Information Display - Info Menu

You can display information about the projector and input sources by viewing the Info menu. However, you cannot change any settings in the menu.



Note: The total operating timer does not register any hours until you have used the projector for at least 10 hours. Available settings depend on the current input source.

Setting	Options	Description
Projector Info	**Operation Hours**	Displays the number of hours the projector has been used since it was turned on
	Source	Displays the name of the port to which the current input source is connected
	Input Signal	Displays the input signal setting of the current input source
	Resolution	Displays the resolution of the current input source
	Refresh Rate	Displays the refresh rate of the current input source
	Sync Info	Displays information that may be needed by a service technician
	Color Format	Displays the color format of the current input source
	Status	Displays information about projector problems that may be needed by a service technician
	Serial Number	Displays the projector's serial number
	Lens Type	Displays the model number of the installed lens
	Event ID	Displays the Event ID number corresponding to a specific projector problem; see the list of Event ID codes
	HDBaseT Signal Level	Displays the image signal information from the HDBaseT port

Setting	Options	Description
Light Source Info	**Light Source Hours**	Displays the number of operating hours for each of the projector's **Light Source Mode** settings
	Estimated Remains	If the **Constant Brightness** setting is enabled, displays the remaining number of hours the projector can maintain constant brightness
Version	Various items	Displays the projector's firmware information
Status Information	—	Displays basic status information
Voltage Warning Info	—	Displays various voltage warnings
Temp Warning Info	—	Displays various high temperature warnings
Power On/Off History	—	Displays the power on and off logs

Event ID Code List

Parent topic: Adjusting the Menu Settings

Event ID Code List

If the **Event ID** option on the Info menu displays a code number, check this list of Event ID codes for the solution to the projector problem associated with the code.

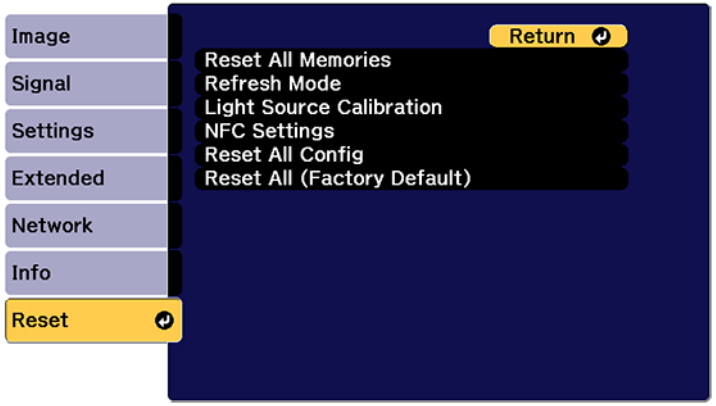
Event ID code	Cause and solution
0432	Turn the projector off and then on again.
0435	
0434	Unstable network communication. Check the network communication status, wait a few moments, and try connecting to the network again.
0481	
0482	
0485	
0433	Cannot display the transferred images. Restart the network software.

Event ID code	Cause and solution
0484	Communication with computer was disconnected. Restart the network software.
0483	The network software quit unexpectedly. Check the network communication status, then turn the projector off and then on again.
04FE	
0479	A projector system error has occurred. Turn the projector off and then on again.
04FF	
0891	Cannot find an access point with the same SSID. Set your computer, access point, and projector to the same SSID.
0892	The WPA/WPA2/WPA3 authentication type does not match. Make sure the wireless network security settings are correct.
0893	The TKIP/AES encryption type does not match. Make sure the wireless network security settings are correct.
0894	Communication with unauthorized access point was disconnected. Contact your network administrator.
0895	Communication with a connected device was disconnected. Check your device connection status.
0898	Failed to acquire DHCP. Make sure the DHCP server is operating correctly. If you are not using DHCP, turn off the **DHCP** setting in the Network menus.
0899	Communication error. Turn the projector off and then on again.
089A	The projector's 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.
089D	Key exchange failed. Check the wireless LAN security settings and make sure that the security certificate is installed correctly.
0920	The internal power supply that saves your clock settings is running low. Contact Epson for help.

Parent topic: Projector Information Display - Info Menu

Projector Reset Options - Reset Menu

You can reset most of the projector settings to their default values and adjust other settings in the Reset menu.



Setting	Options	Description
Reset All Memories	—	Deletes all memories saved in **Memory**, **Lens Position**, and **Geometry Correction**
Refresh Mode	**Timer** **Messages** **Start**	Removes any afterimages that remain in the projected image and turns off the projector after a specified period of time **Timer**: sets a time period to display the refresh image **Messages**: set to **On** to display a message that the projector is in refresh mode **Start**: starts refresh mode; press any button on the remote control to cancel

Setting	Options	Description
Light Source Calibration	**Run Now** **Run Periodically** **Schedule Settings** **Last Run**	Optimizes the color balance of the currently projected image **Run Now**: starts light source calibration for the projected image; it is best to wait at least 30 minutes after the projector is turned on **Run Periodically**: set to **On** to perform light source calibration every 100 hours of usage **Schedule Settings**: sets a light source calibration event **Last Run**: displays the date and time of the last run light source calibration
NFC Settings	**NFC Write Protection** **NFC Write Password**	Prevents scanning to the projector's settings **NFC Write Protection**: prevents scanning the projector's settings **NFC Write Password**: sets a password for scanning the projector's settings
Reset All Config	—	Resets projector settings to their defaults, except for the following: Memory, Startup Screen, Panel Alignment, Color Uniformity, User's Logo, Date & Time, Color Matching, Language, Network menu items, NFC Settings

Setting	Options	Description
Reset All (Factory Default)	**Reset All (User Default)** **Reset All (Factory Default)** **User Default Setting** **Password Setting**	Resets projector settings to their factory defaults **Reset All (User Default)**: resets settings defined in the **User Default Setting** menu **Reset All (Factory Default)**: resets projector settings to their factory defaults, except for Light Source Info, Operation Hours, Password Protection, Password, and Schedule Settings **User Default Setting**: defines default values for Color Mode, Light Source Mode, Brightness Level, Constant Brightness, Messages, Standby Confirmation, A/V Mute Timer, Release A/V Mute, Beep, A/V Settings, Standby Mode, Sleep Mode, Language, Wireless Mode, DHCP, and Command Communication **Password Setting**: sets a password for resetting settings; the default password is 0000

Parent topic: Adjusting the Menu Settings

Related tasks

Running Light Source Calibration

Maintaining and Transporting the Projector

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

Projector Maintenance
Transporting the Projector

Projector Maintenance

Your projector needs little maintenance to keep working at its best.

You may need to clean the lens 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, wait for it to beep, 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 Epson qualified servicers.

Cleaning the Lens
Cleaning the Projector Case
Air Filter and Vent Maintenance
Replacing the Remote Control Batteries

Parent topic: Maintaining and Transporting the Projector

Cleaning the Lens

Clean the projector's lens periodically, or whenever you notice dust or smudges on the surface.

- To remove dust or smudges, gently wipe the lens with lens-cleaning paper.

- To remove stubborn smudges, moisten a soft, lint-free cloth with lens cleaner and gently wipe the lens. Do not spray any liquid directly on the lens.

  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 wipe the lens immediately after turning off the light source; otherwise, it could be damaged. Do not use glass cleaner or any harsh materials to clean the lens and do not subject the lens to any impacts; you may damage it. Do not use canned air, or the gases may leave a residue. Avoid touching the lens with your bare hands to prevent fingerprints on or damage to the lens surface.

Parent topic: Projector Maintenance

Cleaning the Projector Case

Before cleaning the projector case, turn off the projector, wait for it to beep, 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

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
Replacing the Air Filter

Parent topic: Projector Maintenance

Related references

Projector Light Status

Cleaning the Air Filter

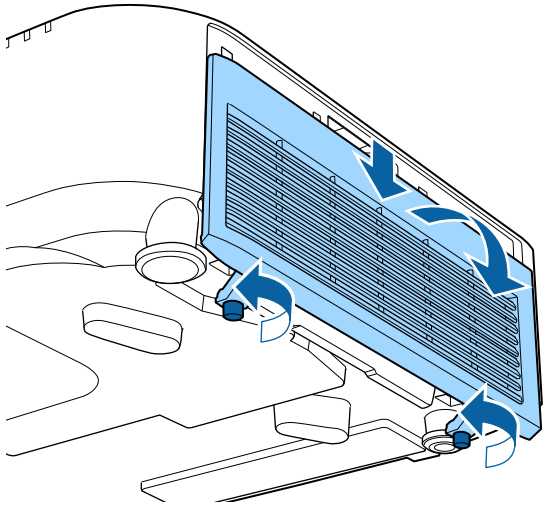
You need to clean the projector's air filter in the following situations:

- The filter or vents get dusty.
- You see a message telling you to clean it.
- The projector's Filter light is orange or flashes orange.

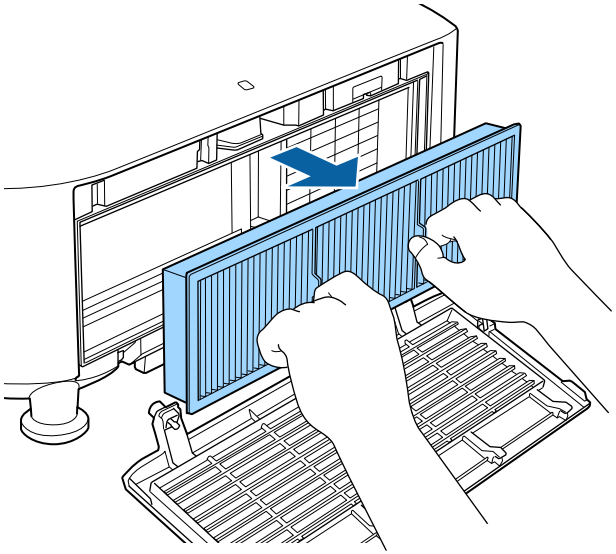
Note: It is recommended that you clean the air filter every 20,000 hours. Clean it more often if the projector is in a dusty environment.

You can clean the air filter while the projector is mounted to the ceiling or placed on a table.

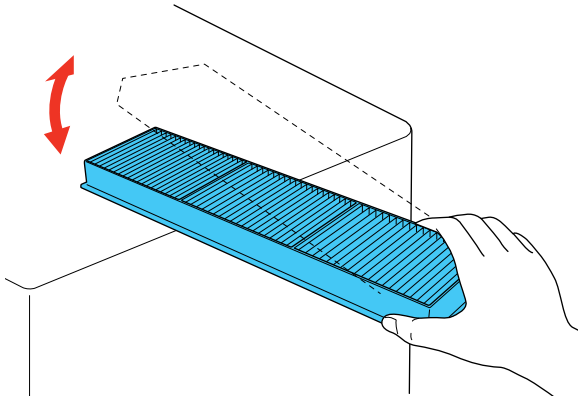
1. Turn off the projector, wait for the projector to beep, and unplug the power cord.
2. Loosen the screws and remove the air filter cover as shown (it is attached with a tether).



3. Pull the air filter out of the projector.



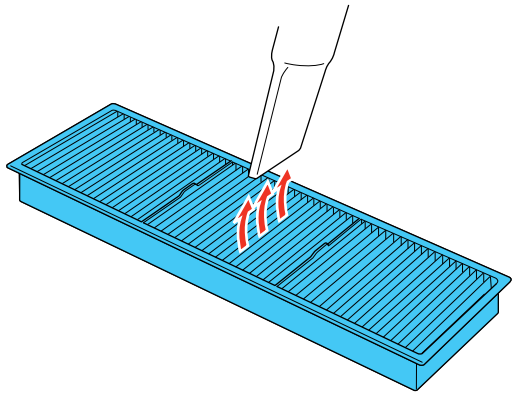
4. Tap each side of the air filter 4 to 5 times to shake off any excess dust.



Caution: Do not use excessive force when tapping the air filter, or it may crack and become unusable. Do not rinse the air filter in water, or use any detergent or solvent to clean it. Do not use

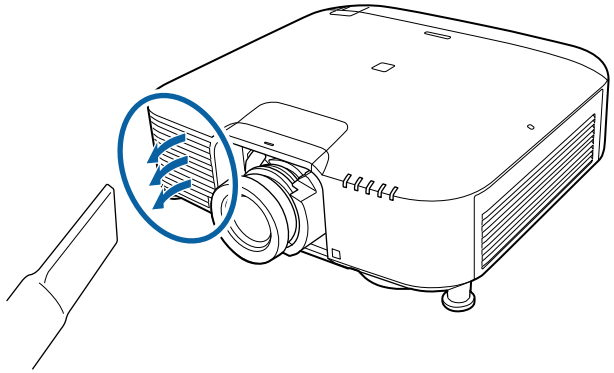
canned air; the gases may leave a residue, or push dust and debris into the projector's optics or other sensitive areas.

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

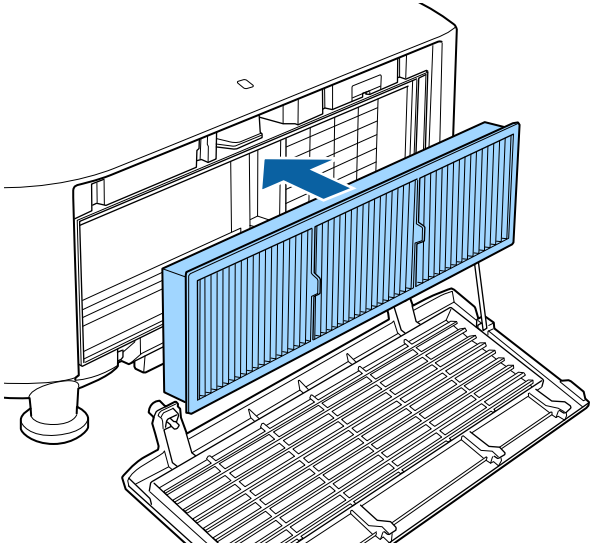


Note: If dust is difficult to remove or the air filter is damaged, replace the air filter.

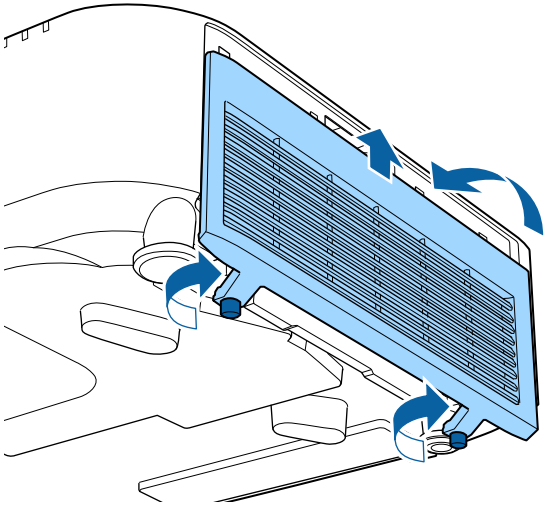
6. Vacuum the air intake vent to remove any remaining dust.



7. Place the air filter back in the projector as shown.



8. Replace the air filter cover and tighten the screws as shown.



Parent topic: Air Filter and Vent Maintenance

Related references

Projector Light Status

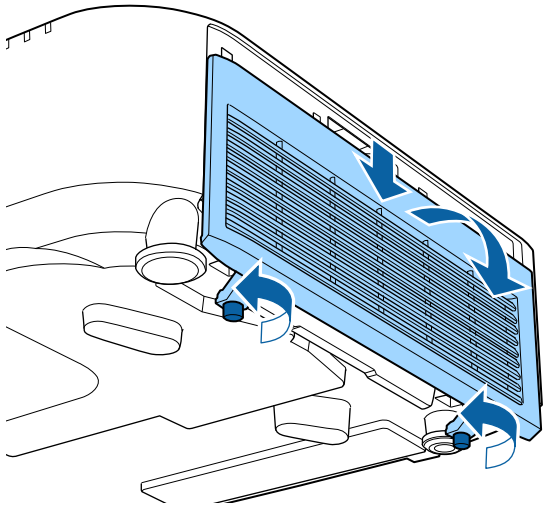
Replacing the Air Filter

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

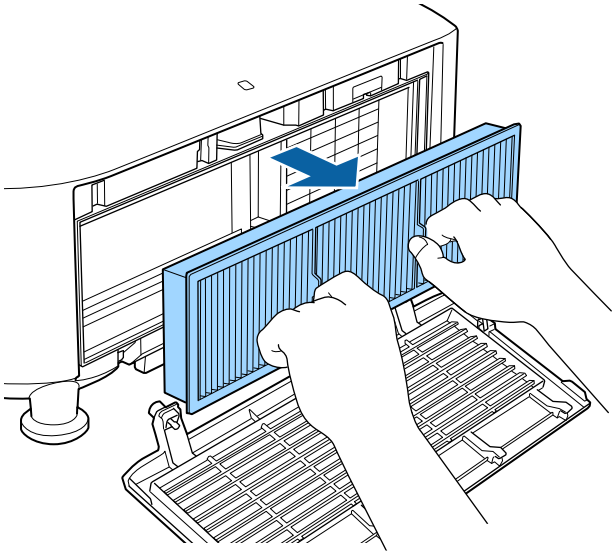
- After cleaning the air filter, you see a message telling you to clean or replace it
- The air filter is torn or damaged

You can replace the air filter while the projector is mounted to the ceiling or placed on a table.

1. Turn off the projector, wait for the projector to beep, and unplug the power cord.
2. Loosen the screws and remove the air filter cover as shown (it is attached with a tether).

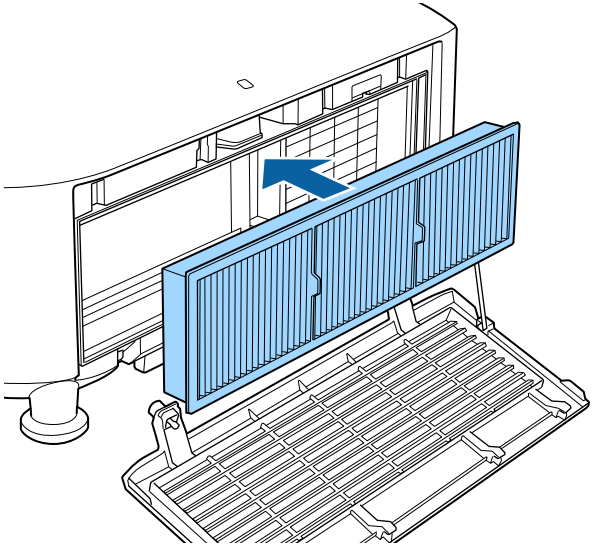


3. Pull the air filter out of the projector.

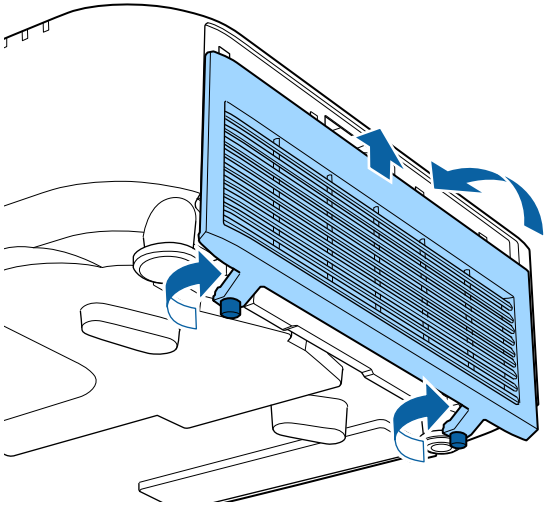


Note: Air filters contain polypropylene. Dispose of used air filters according to local regulations.

4. Place the new air filter in the projector as shown.



5. Replace the air filter cover and tighten the screws as shown.



Parent topic: Air Filter and Vent Maintenance

Related references

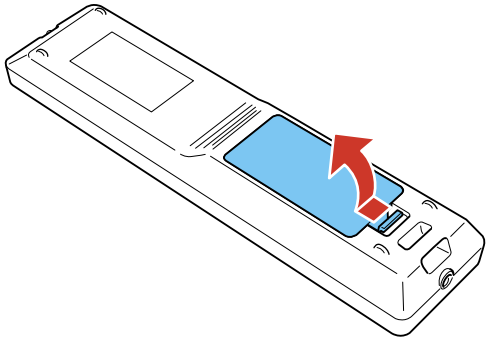
Projector Light Status
Optional Equipment and Replacement Parts

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.

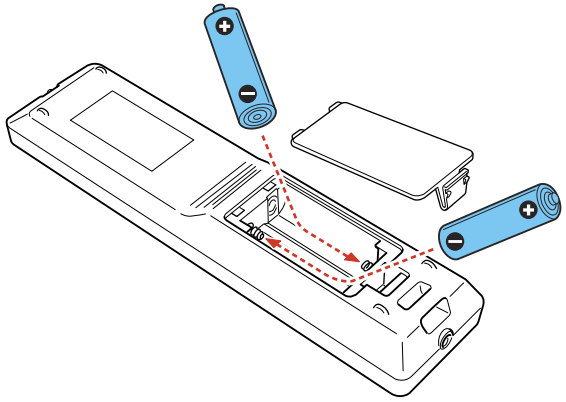
1. Remove the battery cover as shown.



2. Remove the old batteries.

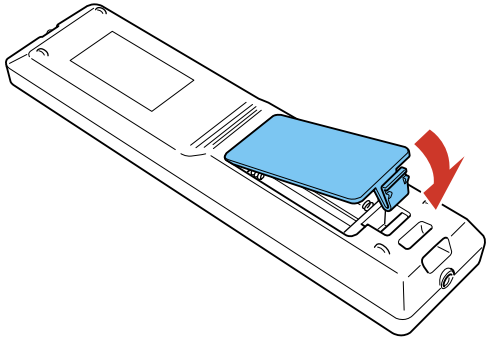
   Warning: If the battery fluid has leaked, wipe it away with a soft cloth and avoid getting the fluid on your hands. If it gets on your hands, wash them immediately to avoid injury.

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: Projector Maintenance

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.

Caution: Use two or more people to unpack or lift the projector.

1. Remove any equipment connected to the projector.
2. Remove the lens if it is installed. Place it in its original packing materials, if possible, or use equivalent materials with cushioning around the product.
3. Attach the protective lens cover that was included with the projector.
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

Related topics

Attaching and Removing a Lens

Solving Problems

Check the solutions in these sections if you have any problems using the projector.

Projection Problem Tips
Projector Light Status
Viewing the Status Display
Using the Projector Help Displays
Solving Image or Sound Problems
Solving Projector or Remote Control Operation Problems
Solutions When a Battery Message Appears
Solving Network Problems
Solutions to Problems Using Content Playback
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:

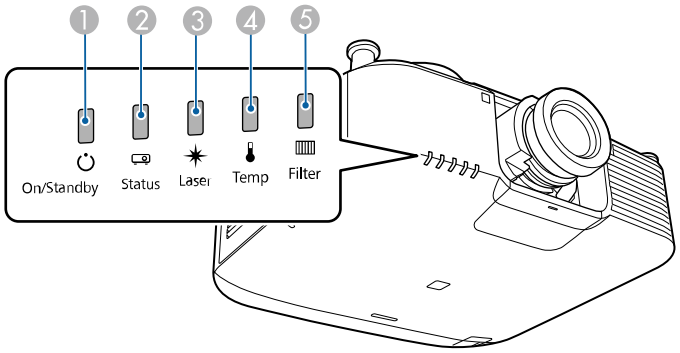
- The lights on the projector may indicate what the problem is.
- The Help option on the Home screen can display information about common problems, if the projector is operating.
- The solutions in this manual can help you solve many problems.

If none of these solutions help, you can contact Epson for technical support.

Parent topic: Solving Problems

Projector Light Status

The lights on the projector indicate the projector status and let you know when a problem occurs. Check the status and color of the lights and look for a solution in the table here.



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

On/Standby (power) light	Status light	Laser light	Temp light	Filter light	Status and solution
Blue	Blue	Varies	Off	Off	Normal operation
Blue	Blue	Flashing blue	Off	Off	A/V Mute is on
Blue	Flashing blue	Varies	Off	Off	Warming up; wait for an image to appear
Blue	Off	Off	Off	Off	Standby or network monitoring and control mode (when **Standby Mode** is set to **Communication On**)

On/Standby (power) light	Status light	Laser light	Temp light	Filter light	Status and solution
Flashing blue	Off	Off	Off	Off	Preparing for network monitoring, quick startup, or **USB Power in Standby** mode; all buttons are disabled
Blue	Flashing blue	Off	Off	Off	Cooling down; all buttons are disabled
Flashing blue	Varies	Varies	Flashing orange	Varies	Projector is too hot • Make sure that the vents and air filter are not clogged with dust or obstructed by nearby objects • Clean or replace the air filter • Make sure the environmental temperature is not too hot
Off	Flashing blue	Orange	Orange	Off	Lens Shift error; turn off the projector, unplug it from the electrical outlet, and contact Epson for help No lens is installed
Off	Flashing blue	Flashing orange	Off	Off	Internal error; turn off the projector, unplug it from the electrical outlet, and contact Epson for help
Varies	Flashing blue	Flashing orange	Varies	Varies	**Refresh Mode** is on

On/Standby (power) light	Status light	Laser light	Temp light	Filter light	Status and solution
Off	Flashing blue	Off	Orange	Off	Projector has overheated and turned off; leave the projector off for at least 5 minutes • 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 • If operating the projector at high altitude, turn on **High Altitude Mode** • If the problem persists, unplug the projector and contact Epson for help
Off	Flashing blue	Orange	Off	Off	Laser error; turn off the projector, unplug it, and contact Epson for help
Off	Flashing blue	Off	Off	Orange	Low air flow through the projector • Make sure that the vents and air filter are not clogged with dust or obstructed by nearby objects • Clean or replace the air filter • If the problem persists, unplug the projector and contact Epson for help

On/Standby (power) light	Status light	Laser light	Temp light	Filter light	Status and solution
Flashing blue	Varies	Varies	Varies	Orange	Low air flow through the air filter • Make sure that the vents and air filter are not clogged with dust or obstructed by nearby objects • Clean or replace the air filter • If the problem persists, unplug the projector and contact Epson for help
Off	Flashing blue	Off	Flashing orange	Off	Fan or sensor error; turn the projector off, unplug it, and contact Epson for help
Flashing blue	Varies	Flashing orange	Varies	Varies	Laser error; turn off the projector, unplug it, and contact Epson for help
Flashing blue	Varies	Flashing orange	Varies	Varies	An unsupported lens is attached; remove the unsupported lens and attach a lens that is supported
Varies	Varies	Varies	Varies	Flashing orange	A message to clean or replace the air filter is displayed; turn the projector off, unplug it, and clean or replace the air filter as necessary
Varies	Varies	Flashing orange	Varies	Varies	The projector is unable to maintain constant brightness and the **Constant Brightness** setting in the Settings menu is disabled
Off	Flashing blue	Orange	Orange	Off	Lens problem or no lens is installed • Remove and reattach the installed lens • Attach a supported lens • If the problem persists, unplug the projector and contact Epson for help

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

Parent topic: Solving Problems

Related concepts

Air Filter and Vent Maintenance

Related references

Projector Reset Options - Reset Menu
Projector Feature Settings - Settings Menu
Where to Get Help (U.S. and Canada)
Where to Get Help (Latin America)
Projector Setup Settings - Extended Menu
Optional Equipment and Replacement Parts

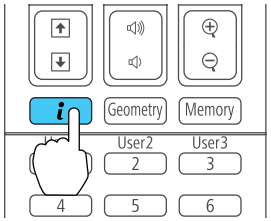
Related topics

Attaching and Removing a Lens

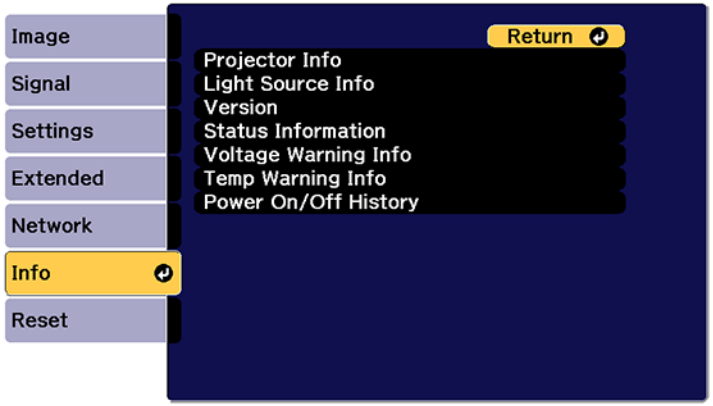
Viewing the Status Display

You can monitor the projector's status and view error information from the status display.

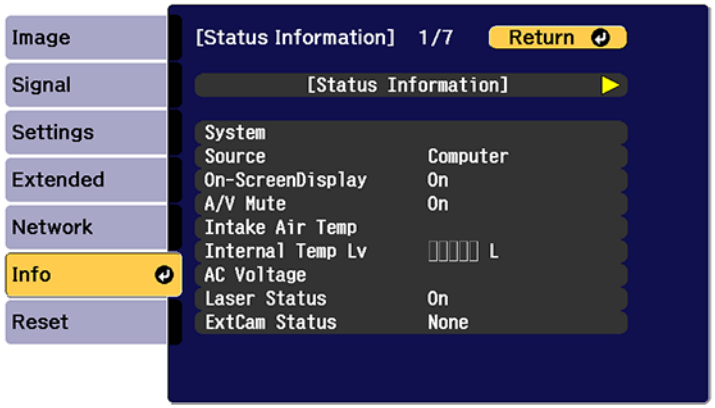
1. Turn on the projector.
2. Press the **i** button on the remote control or the right arrow button on the control panel.



The **Info** menu appears:



3. Select **Status Information** and press **Enter**.
   You see a screen like this:



4. Press the left or right arrow buttons to view different categories of information.
   - **Status Information**: The projector's operating status
   - **Source**: Input signal information
   - **Signal Information**: Input digital signal information

- **Network Wired**: Wired LAN settings
- **Network Wireless**: Wireless LAN settings
- **Maintenance**: Operating time for the projector and light source
- **Version**: The projector's firmware version

Projector Status Display Messages

Parent topic: Solving Problems

Projector Status Display Messages

Categories on the status display screens let you view information about the projector and its operation.

Status Information category

Information	Description
System	See the System status information table at the end of this topic
Source	Displays the source currently being used
On-Screen Display	Displays the settings for on-screen displays. When turned off, menus or messages are not displayed on the projected images
A/V Mute	Displays the A/V Mute status
Intake Air Temp	Displays the environmental temperature
Internal Temp Lv	Displays the projector's internal temperature
AC Voltage	Displays a warning or error if a momentary drop in voltage occurs • Warning1: voltage drop • Warning2: instantaneous interruption • Error: power blockade
Laser Status	Displays the operating status of the light source
ExtCam Status	Displays the operating status of the optional external camera

Source category

Information	Description
Source	Displays the source currently being used
Resolution	Displays the resolution of the current input signal
Color Space	Displays the color space of the current input signal
H-Frequency	Displays the horizontal frequency of the current input signal
V-Frequency	Displays the vertical frequency of the current input signal
Sync Polarity	Displays the sync polarity
Sync Mode	Displays the sync type
Detected Mode	Displays the detected mode of the current input signal
Transport	Displays the scanning method
Video Range	Displays the video level of the projector

Signal Information category

Information	Description
5V Detect	Displays the detection results of 5V signals
TMDS Clock	Displays the TMDS frequency of the current input signal
H-Frequency	Displays the horizontal frequency of the current input signal
V-Frequency	Displays the vertical frequency of the current input signal
Stable Time	Displays the amount of operating time since the input source was determined
HDCP Status	Displays the HDCP status
HDCP Ver	Displays the HDCP version
AVI VIC	Displays the VIC information (AVI) of the current input signal

Information	Description
AVI Checksum	Displays the checksum result for AVI
AVI Sampling Str	Displays color sampling for AVI
Signal Mode	Displays the signal mode
HDR Mode	Displays the HDR mode
EDID Mode	Displays the EDID mode
HDBaseT Level	Displays the image signal information from the HDBaseT port
SDI Link Mode	Displays the linking type for SDI
Sync Detect	Displays the results of signal detection for each 3G/HD/SD SDI port
PayloadID Detect	Displays the results of SDI payload ID detection
Resolution	Displays the resolution
Refresh Rate	Displays the refresh rate for SDI
Color Sampling	Displays the color sampling
Pixel Depth	Displays the color depth for SDI
SDI Type	Displays the type of SDI
3G Mapping Level	Displays the mapping level for 3G-SDI
Color Space	Displays the color space conversion method

Network Wired category

Information	Description
Projector Name	Displays the name used to identify the projector when connected to a network
Connection Mode	Displays the connection path for the LAN
DHCP	Displays the DHCP display settings
IP Display	Displays the IP address display settings
IP Address	Displays the IP address

Information	Description
MAC Address	Displays the MAC address

Network Wireless category

Information	Description
Projector Name	Displays the name used to identify the projector when connected to a network
Connection Mode	Displays the connection mode to use when connecting the projector and a computer over a wireless LAN
SSID Display	Displays the SSID display settings
IP Display	Displays the IP address display settings
SSID	Displays the SSID
IP Address	Displays the IP address
DHCP	Displays the DHCP settings
MAC Address	Displays the MAC address
Security	Displays the security settings
Antenna Level	Displays the reception status for Wi-Fi

Maintenance category

Information	Description
Operation Time	Displays the projector's total operation time
Laser Op. Time	Displays the laser operating time for each Light Source Mode setting

Version category

Information	Description
Serial No.	Displays the projector's serial number

Information	Description
Main	Display the projector's firmware version information
Video2	
Sub	
Sub2	
HDMI	
HDMI2	
HDBaseT	

System status information

Status	Description
OK	The projector is in normal operating mode
Warm-up	The projector is warming up
Standby	The projector is in standby mode
Cool Down	The projector is cooling down
Temp Error	A high temperature error occurred
Fan Error	A fan error occurred
Sensor Error	A sensor error occurred
Internal Error	An internal error occurred
Airflow Error	A filter airflow error occurred
Temp Warning	A high temperature warning occurred
Airflow Decline	A low airflow error occurred
Clean Filter	An air filter notice occurred; clean the air filter
Lens Shift Error	A lens shift error has occured
Lens Error	A lens error has occurred
Laser Error	A laser error has occurred
Laser Warning	A laser warning has occurred

Status	Description
Temp Error FE	A laser error has occurred because the laser temperature is too high
Temp Warning FE	A laser warning has occurred because the laser temperature is too high

Parent topic: Viewing the Status Display

Using the Projector Help Displays

You can display information to help you solve common problems using the projector's Help system.

1. Turn on the projector.
2. Press the **Home** button on the remote control.
3. Press the arrow buttons to select **Help**.
4. Press **Enter**.

   You see the Help menu.
5. Press the up and down arrow buttons to highlight the problem you want to solve.
6. Press **Enter** to view the solutions.
7. When you are finished, do one of the following:
   - To select another problem to solve, press **Esc**.
   - To exit the help system, press **Home**.

Parent topic: 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 "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 When Automatic Adjustments are not Applied Correctly
Solutions to Simple Stacking Problems
Solutions to Sound 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.
- Press the projector's **On** 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.
- Check the settings on the Signal menu to make sure they are correct for the current video source.
- Adjust the **Brightness** setting on the Image menu.
- Check the **Display** setting to make sure **Messages** is set to **On**.
- If the projector does not respond when you press the control panel buttons, the buttons may be locked. Unlock the buttons. Press and hold the **Enter** button for 5 to 10 seconds or use the remote control.
- For images projected with Windows Media Center, reduce the screen size from full screen mode.
- For images projected from applications using Windows DirectX, turn off DirectX functions.
- If the other solutions do not solve the problem, reset all of the projector settings using the options on the **Reset** menu.

Parent topic: Solving Image or Sound Problems

Related concepts

Projector Connections

Related references

Input Signal Settings - Signal Menu
Projector Setup Settings - Extended Menu

Related tasks

Adjusting the Brightness

Unlocking the Projector's Buttons

Solutions When "No Signal" Message Appears

If the "No Signal" message appears, try the following solutions:

- Press the **Source Search** or **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. Attach the input source directly to the projector and confirm if the content is projected.
- 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.
- 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 **Reset** menu.

Displaying From a PC Laptop

Displaying From a Mac Laptop

Parent topic: Solving Image or Sound Problems

Related concepts

Projector Connections

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 menu.
- Make sure the computer's display resolution does not exceed the projector's resolution and frequency limit. If necessary, select a different display resolution for your computer. (See your computer manual for details.)
- As a test, try setting the computer's display resolution to the lowest possible setting, and then gradually increase it as necessary.

Parent topic: Solving Image or Sound Problems

Related references

Input Signal Settings - Signal Menu
Supported Video Display Formats

Solutions When Only a Partial Image Appears

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

- Press the **Auto** button on the remote control to optimize the image signal.

- 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 **Scale** setting in the Signal menu is turned off.
- Make sure the **Resolution** setting in the Signal menu is set correctly for the input signal.
- Try adjusting the image position using the **Position** setting in the Signal menu.
- Try adjusting the image position using the **Screen Position** menu setting.
- Press the **Aspect** button on the remote control to select a different image aspect ratio.
- Check the **Blanking** setting in the Signal menu.
- 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 the cables connecting the computer or video source to the projector. Try connecting different cables.
- 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 Extended menu.
- If you are projecting in **Content Playback** mode, make sure you are using the correct **Overlay Effect** setting in the Settings menu.
- If the other solutions do not solve the problem, reset all of the projector settings using the options on the **Reset** menu.

Parent topic: Solving Image or Sound Problems

Related concepts

Projector Connections

Related references

Projector Setup Settings - Extended Menu
Input Signal Settings - Signal Menu
Supported Video Display Formats

Related tasks

Setting the Screen Type
Adjusting the Image Position Using Screen Position

Solutions When the Image is Not Rectangular

If the projected image is not evenly rectangular, try the following solutions:

- Place the projector directly in front of the center of the screen, facing it squarely, if possible.
- If you are mounting the projector from the ceiling, use the adjustment controls on the mount at the time of installation.
- Adjust the image shape using the **Geometry Correction** menu settings.

Parent topic: Solving Image or Sound Problems

Related references

Projector Feature Settings - Settings Menu

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
- Check the settings on the projector's Signal menu to make sure they match the video source. If available for your video source, adjust the **Deinterlacing** and **Noise Reduction** settings.
- If available for your video source, select **Auto** as the Resolution setting in the Signal menu.
- Select a computer video resolution and refresh rate that are compatible with the projector.
- If you are projecting from a computer, press the **Auto** button on the remote control to automatically adjust the tracking and sync. If the problem remains, display a uniformly patterned image on the screen and manually adjust the **Tracking** and **Sync** settings.
- If you adjusted the image shape using the projector controls, try decreasing the **Sharpness** setting to improve image quality.
- Make sure the correct **Video Range** or **EDID** settings are selected in the Signal menu.
- If you connected an extension power cable, try projecting without it to see if it caused interference in the signal.

Parent topic: Solving Image or Sound Problems

Related references

Input Signal Settings - Signal Menu
Image Quality Settings - Image Menu
Supported Video Display Formats

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 projector lens.

  Note: To avoid condensation on the lens after bringing the projector in from a cold environment, let the projector warm up to room temperature before using it.

- Position the projector close enough to the screen.
- Position the projector so the keystone adjustment angle is not so wide that it distorts the image.
- Adjust the **Sharpness** setting in the Image menu to improve image quality.
- If you are projecting from a computer, 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 in the Signal menu.
- If you are projecting from a computer, try using a lower resolution or try to match the projector's native resolution.

Parent topic: Solving Image or Sound Problems

Related concepts

Projector Connections

Related references

Projector Setup and Installation Options
General Projector Specifications
Image Quality Settings - Image Menu
Supported Video Display Formats

Related tasks

Focusing the Image Using the Focus Buttons
Cleaning the Lens

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 **Video Range** or **EDID** setting on the Signal menu, if available for your image source.
- Make sure all the cables are securely connected to the projector and your video device. If you connected long cables, try connecting shorter cables.
- Make sure the **Brightness Settings** options in the Settings menu are set correctly.
- Position the projector close enough to the screen.
- When using multiple projectors, make sure **Light Source Calibration** in the Reset menu is set correctly in all of the projectors. If light source calibration is performed only in some of the projectors, the white balance and the brightness level of the projected image may differ between the projectors.

Parent topic: Solving Image or Sound Problems

Related references

Image Quality Settings - Image Menu
Input Signal Settings - Signal Menu
Projector Feature Settings - Settings Menu
Projection Distance

Solutions When an Afterimage Remains On the Projected Image

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

Parent topic: Solving Image or Sound Problems

Related references

Projector Reset Options - Reset Menu

Solutions When Automatic Adjustments are not Applied Correctly

If you have problems with automatic adjustments not being applied correctly, try the following solutions:

- Be sure to wait at least 20 minutes after turning on the projector before performing automatic adjustments. This gives the projector's temperature a chance to stabilize.
- Check that the camera area is clean.
- Make sure the cable of the optional external camera is securely connected to the projector.
- If you think the optional external camera is defective, contact Epson for help.
- Depending on the lens you installed, automatic adjustments may not be available. Automatic adjustment is not available for the following lenses: ELPLR04, ELPLL07, ELPLL08.
- If you are projecting from an analog input source, the changing color and brightness of the image may cause automatic adjustments to not be applied correctly.
- Make sure that a powerful spotlight or source of strong natural light is not shining into the projection environment and interfering with automatic adjustments.
- Check that your image correction and image blending settings are within reasonable ranges. If the projection angle is very large, try turning off the **Geometry Correction** setting or reduce the projection angle. If you are using the **Edge Blending** setting, make sure the blending width is between 15 to 43%.
- If you see an error message during automatic adjustments, make a note of the error codes and contact Epson for support.

Parent topic: Solving Image or Sound Problems

Related references

Optional Equipment and Replacement Parts
Where to Get Help (U.S. and Canada)
Where to Get Help (Latin America)
Projector Feature Settings - Settings Menu

Solutions to Simple Stacking Problems

If you have problems with the simple stacking feature, try the following solutions:

- Make sure all of the projectors are the same model and they are all set to the same resolution and projection mode.
- Make sure the projectors are placed squarely facing the screen and connected using a LAN cable.

- Make sure the optional external camera is installed correctly and the cable is securely connected to the projector.
- Make sure nothing is blocking the optional external camera and the projected image.
- If you think the optional external camera is defective, contact Epson for help.
- Depending on the lens you installed, simple stacking may not be available. Simple stacking is not available for the following lenses: ELPLL07, ELPLL08.
- Make sure that a powerful spotlight or source of strong natural light is not shining into the projection environment and interfering with simple stacking.
- Resize the projection size.
- If you see an error message during simple stacking, make a note of the error codes and contact Epson for support.

Parent topic: Solving Image or Sound Problems

Related references

Optional Equipment and Replacement Parts
Where to Get Help (U.S. and Canada)
Where to Get Help (Latin America)

Related tasks

Resizing the Image with the Zoom Button

Solutions to Sound Problems

If there is no sound when you expect it or the volume is too low or high, try the following solutions:

- Adjust the projector's volume settings.
- Press the **A/V Mute** button on the remote control to resume video and audio if they were temporarily stopped.
- Press the **Source Search** or **Search** button to switch to the correct input source, if necessary.
- Check your computer or video source to make sure the volume is turned up and the audio output is set for the correct source.
- 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 a Mac and you do not hear sound from an HDMI source, make sure your Mac supports audio through the HDMI port. If not, you need to connect an audio cable.
- If you want to use a connected audio source when the projector is off, set the **Standby Mode** option to **Communication On** and make sure the **A/V Settings** options are set correctly.
- 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]).
- 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 concepts

Projector Connections

Related references

Projector Setup Settings - Extended Menu

Related tasks

Controlling the Volume with the Volume Buttons

Connecting to External Speakers

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

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.
- 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.

Parent topic: Solving Projector or Remote Control Operation Problems

Related references

Projector Setup Settings - Extended Menu
Projector Feature Settings - Settings Menu
Projector Light Status

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.
- If you enabled the remote control button lock, press and hold the **Home** button for about 5 seconds to turn it off.
- 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.
- Make sure the optional remote control cable set is not attached to the projector's **Remote** port. If you leave the cable connected to the port, the remote control cannot control the projector.

- 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 in the Settings menu.
- 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).
- Make sure the **Control Communications** or **Extron XTP** setting in the Extended menu is set to **Off** if you are using the optional remote control cable set.
- If you lose the remote control, you can purchase another from an authorized Epson reseller.

Parent topic: Solving Projector or Remote Control Operation Problems

Related concepts

Projector Identification System for Multiple Projector Control

Related references

Projector Feature Settings - Settings Menu

Projector Setup Settings - Extended Menu

Remote Control Operation

Related tasks

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: projector serial number
- 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: projector serial number

Parent topic: Solving Projector or Remote Control Operation Problems

Related concepts

Password Security Types

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 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 the Image Contains Static During Network Projection

Solutions When Network Alert E-Mails are Not Received

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 Extended menu, if available.
- Make sure the **Wireless Mode** setting is set to **Wireless LAN On**.
- Check the Security settings and passphrase in the Network Configuration menu.
- Check the Event ID number displayed in the Info menu and check the link below to identify the problem.
- 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

Projector Setup Settings - Extended Menu

Event ID Code List

Related tasks

Setting Up Wireless Network Security

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.

- For the user ID, enter **EPSONWEB**. (You cannot change the user ID.)
- For the password, enter the password set in the projector's Network menu. The default password is the projector's serial number.
- Make sure you have access to the network the projector is on.
- If your Web browser is set up to connect via a proxy server, the **Epson Web Control** screen cannot be displayed. Make settings for a connection without using a proxy server.
- If you set **Standby Mode** to **Communication On** in the projector's Extended menu, make sure the network device is turned on. After turning on the network device, turn on the projector.
- Connect to a wired LAN, or to a wireless LAN with the **Connection Mode** setting set to **Advanced**.
- If you have problems while controlling the projector with command communication using ESC/VP.net, set the **Command Communication** setting to **Compatible** in the Network Configuration menu.

Note: The user ID and password are case sensitive.

Parent topic: Solving Network Problems

Related concepts

Password Security Types

Related references

Projector Setup Settings - Extended Menu

Related tasks

Controlling a Networked Projector Using a Web Browser

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 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 Notifications 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. Connect to a wired LAN, or to a wireless LAN with the **Connection Mode** setting set to **Advanced**.

Parent topic: Solving Network Problems

Related references

Projector Setup Settings - Extended Menu
Projector Network Settings - Network Menu

Solutions to Problems Using Content Playback

If you cannot play back a playlist correctly, try the following solutions:

- Check the following on all projectors:
  - All projectors are the same model. If any of the projectors are a different model or have a different resolution, synchronized playback may not be performed properly.
  - Make sure the name, date, and time settings are correct.

- Make sure all projectors are connected to the same network.
- Make sure the **Content Playback** setting is turned on in the Settings menu.

- Make sure your USB device contains a playlist.
- Make sure your USB device is connected directly to the projector and not through a USB hub or card reader.
- If the USB device is partitioned, you may not be able to play back playlists. Delete all of the partitions before saving the playlists on your USB device.
- Do not share a playlist between projectors that are different in resolution. Color and shape effects added by using the **Overlay Effect** setting may not be reproduced correctly.

Parent topic: Solving Problems

Related references

Projector Feature Settings - Settings Menu

Related tasks

Setting the Date and Time

Controlling a Networked Projector in Content Playback Mode

Related topics

Projecting in Content Playback Mode

Using the Projector on a Network

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 6 AM to 8 PM, Pacific Time, Monday through Friday and 7 AM to 4 PM, Pacific Time, Saturday.

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).

To purchase a replacement remote control, call (562) 276-4394 (U.S.) or (905) 709-3839 (for dealer referral in Canada).

Parent topic: Solving Problems

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	0800-007-5000
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
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

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
Supported Video Display Formats

General Projector Specifications

Note: Specifications are based on having the standard zoom lens installed: ELPLM08 for EB-PU1006W/EB-PU1007B/EB-PU1007W/EB-PU1008B/EB-PU1008W and ELPLM15 for EB-PU2010B/EB-PU2010W. The lens is not included with the projector.

Type of display	Poly-silicon TFT active matrix
Resolution	1920 × 1200 pixels (WUXGA)
Lens	**EB-PU1006W/EB-PU1007B/EB-PU1007W/EB-PU1008B/EB-PU1008W**: F=1.7 to 2.3 Focal length: 24 to 38.2 mm **EB-PU2010B/EB-PU2010W**: F=1.8 to 2.3 Focal length: 36 to 57.4 mm
Color reproduction	Full color, up to 1 billion colors

Brightness	**EB-PU1006W**: Normal Light Source Mode: White light output 6000 lumens (ISO 21118 standard) Color light output 6000 lumens Medium Light Source Mode: White light output 5100 lumens (ISO 21118 standard) Color light output 5100 lumens Quiet or Extended Light Source Mode: White light output 4200 lumens (ISO 21118 standard) **EB-PU1007B/EB-PU1007W**: Normal Light Source Mode: White light output 7000 lumens (ISO 21118 standard) Color light output 7000 lumens Medium Light Source Mode: White light output 5950 lumens (ISO 21118 standard) Color light output 5950 lumens Quiet or Extended Light Source Mode: White light output 4900 lumens (ISO 21118 standard) **EB-PU1008B/EB-PU1008W**: Normal Light Source Mode: White light output 8500 lumens (ISO 21118 standard) Color light output 8500 lumens Medium Light Source Mode: White light output 7225 lumens (ISO 21118 standard) Color light output 7225 lumens Quiet or Extended Light Source Mode: White light output 5950 lumens (ISO 21118 standard)

	EB-PU2010B/EB-PU2010W: Normal Light Source Mode: White light output 10000 lumens (ISO 21118 standard) Color light output 10000 lumens Medium Light Source Mode: White light output 8500 lumens (ISO 21118 standard) Color light output 8500 lumens Quiet or Extended Light Source Mode: White light output 7000 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 Contrast on
Image size (in native aspect ratio)	**EB-PU1006W/EB-PU1007B/EB-PU1007W/EB-PU1008B/EB-PU1008W**: 50 inches (1.27 m) to 371 inches (9.4 m) **EB-PU2010B/EB-PU2010W**: 60 inches (1.5 m) to 371 inches (9.4 m)
Projection distance (in native aspect ratio)	**EB-PU1006W/EB-PU1007B/EB-PU1007W/EB-PU1008B/EB-PU1008W**: 60 inches (1.5 m) to 736 inches (18.7 m) **EB-PU2010B/EB-PU2010W**: 78 inches (2 m) to 811 inches (20.6 m)
Projection methods	Front, rear, ceiling-mounted
Optical aspect ratio (width-to-height)	16:10
Focus adjustment	Powered
Zoom adjustment	Powered

Zoom ratio (Tele-to-Wide)	1 to 1.6
Noise level	**EB-PU1006W**: 30 dB (Normal Light Source Mode) 29 dB (Medium Light Source Mode) 28 dB (Quiet Light Source Mode) **EB-PU1007B/EB-PU1007W**: 33 dB (Normal Light Source Mode) 31 dB (Medium Light Source Mode) 29 dB (Quiet Light Source Mode) **EB-PU1008B/EB-PU1008W**: 35 dB (Normal Light Source Mode) 34 dB (Medium Light Source Mode) 30 dB (Quiet Light Source Mode) **EB-PU2010B/EB-PU2010W**: 37 dB (Normal Light Source Mode) 34 dB (Medium Light Source Mode) 30 dB (Quiet Light Source Mode)
Keystone correction angle	**EB-PU1006W/EB-PU1007B/EB-PU1007W/EB-PU1008B/EB-PU1008W**: ± 67° vertical (Tele Zoom) ± 30° horizontal (Tele Zoom) **EB-PU2010B/EB-PU2010W**: ± 60° vertical (Tele Zoom) ± 18° horizontal (Tele Zoom)
USB Type B port compatibility	USB 2.0 compliant for firmware update or copying menu settings
USB Type A port compatibility	USB 2.0 compliant port for wireless LAN, firmware update, Content Playback, optional document camera, streaming media player power supply, or copying menu settings

Parent topic: Technical Specifications

Projector Light Source Specifications

Note: Specifications are based on having the standard zoom lens installed: ELPLM08 for EB-PU1006W/EB-PU1007B/EB-PU1007W/EB-PU1008B/EB-PU1008W and ELPLM15 for EB-PU2010B/EB-PU2010W. The lens is not included with the projector.

Type	Laser Diode
Light source output power	**EB-PU1006W**: Up to 115.5 W **EB-PU1007B/EB-PU1007W**: Up to 132 W **EB-PU1008B/EB-PU1008W/EB-PU2010B/EB-PU2010W**: Up to 176 W
Wavelength	449 to 461 nm
Light source life	Normal, Medium, or Quiet Light Source Mode: Up to about 20000 hours Extended Light Source Mode: Up to about 30000 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	98.4 feet (30 m)
Batteries	Two alkaline or manganese AA

Parent topic: Technical Specifications

Projector Dimension Specifications

Height (excluding feet)	6.5 inches (164 mm)
Width	21.5 inches (545 mm)
Depth	17.2 inches (436 mm)
Weight (without lens)	**EB-PU1006W**:
	Approximately 34.0 lbs (15.4 kg)
	EB-PU1007B/EB-PU1007W/EB-PU1008B/EB-PU1008W:
	Approximately 35.9 lbs (16.3 kg)
	EB-PU2010B/EB-PU2010W:
	Approximately 37.0 lbs (16.8 kg)

Parent topic: Technical Specifications

Projector Electrical Specifications

Note: Specifications are based on having the standard zoom lens installed: ELPLM08 for EB-PU1006W/EB-PU1007B/EB-PU1007W/EB-PU1008B/EB-PU1008W and ELPLM15 for EB-PU2010B/EB-PU2010W. The lens is not included with the projector.

Rated frequency	50/60 Hz
Power supply	100 to 240 V AC ±10%
	EB-PU1006W:
	3.9 to 1.7 A
	EB-PU1007B/EB-PU1007W/EB-PU1008B/EB-PU1008W/EB-PU2010B/EB-PU2010W:
	5.6 to 2.5 A

Power consumption (100 to 120 V)	**EB-PU1006W**: Normal Light Source Mode: 384 W Medium/Quiet/Extended Light Source Mode: 321 W Standby: 0.5 W (Communication Off), 2.0 W (Communication On) **EB-PU1007B/EB-PU1007W**: Normal Light Source Mode: 448 W Medium/Quiet/Extended Light Source Mode: 379 W Standby: 0.5 W (Communication Off), 2.0 W (Communication On) **EB-PU1008B/EB-PU1008W/EB-PU2010B/EB-PU2010W**: Normal Light Source Mode: 559 W Medium/Quiet/Extended Light Source Mode: 469 W Standby: 0.5 W (Communication Off), 2.0 W (Communication On)
Power consumption (220 to 240 V)	**EB-PU1006W**: Normal Light Source Mode: 367 W Medium/Quiet/Extended Light Source Mode: 310 W Standby: 0.5 W (Communication Off), 2.0 W (Communication On) **EB-PU1007B/EB-PU1007W**: Normal Light Source Mode: 431 W Medium/Quiet/Extended Light Source Mode: 366 W Standby: 0.5 W (Communication Off), 2.0 W (Communication On) **EB-PU1008B/EB-PU1008W/EB-PU2010B/EB-PU2010W**: Normal Light Source Mode: 535 W Medium/Quiet/Extended Light Source Mode: 452 W Standby: 0.5 W (Communication Off), 2.0 W (Communication On)

Parent topic: Technical Specifications

Projector Environmental Specifications

Note: Specifications are based on having the standard zoom lens installed: ELPLM08 for EB-PU1006W/EB-PU1007B/EB-PU1007W/EB-PU1008B/EB-PU1008W and ELPLM15 for EB-PU2010B/EB-PU2010W. The lens is not included with the projector.

Temperature	Operating: **EB-PU1006W/EB-PU1007B/EB-PU1007W/EB-PU1008B/EB-PU1008W**: Up to 7500 feet (2286 m): 32 to 113 °F (0 to 45 °C) 7500 to 10000 feet (2286 to 3048 m) with High Altitude Mode enabled: 32 to 104 °F (0 to 40 °C) **EB-PU2010B/EB-PU2010W**: Up to 7500 feet (2286 m): 32 to 122 °F (0 to 50 °C) 7500 to 10000 feet (2286 to 3048 m) with High Altitude Mode enabled: 32 to 113 °F (0 to 45 °C) Storage: 14 to 140 °F (–10 to 60 °C)
Humidity (relative, non-condensing)	Operating: 20 to 80% Storage: 10 to 90%
Operating altitude	Up to 4921 feet (1500 m) Up to 10000 feet (3048 m) with High Altitude Mode enabled

Parent topic: Technical Specifications

Projector Safety and Approvals Specifications

United States	FCC Part 15 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

Supported Video Display Formats

For best results, your computer's monitor port or video card resolution should be set to display in the projector's native resolution. However, your projector includes Epson's SizeWise chip that supports other computer display resolutions, so your image will be resized to fit automatically.

Your computer's monitor port or video card refresh rate (vertical frequency) must be compatible with the projector. (See your computer or video card manual for details.)

The table here lists the compatible refresh rate and resolution for each compatible video display format.

Display format	Refresh rate (in Hz)	Resolution (in pixels)
Computer signals (analog RGB)		
VGA	60/72/75/85	640 × 480
SVGA	60/72/75/85	800 × 600
XGA	60/70/75/85	1024 × 768
WXGA	60	1280 × 768
	60/75/85	1280 × 800
	60	1366 × 768
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+[2]	60	1680 × 1050
UXGA	60	1600 × 1200
1920 × 1080	50/60	1920 × 1080
WUXGA RB[1]	60	1920 × 1200
QXGA	60	2048 × 1536

Display format	Refresh rate (in Hz)	Resolution (in pixels)
WQHD	60	2560 × 1440
WQXGA RB[1]	60	2560 × 1600
Component video, HDMI, DVI-D, and HDBaseT input signals		
SDTV (480i)	60	720 × 480
SDTV (576i)	50	720 × 576
SDTV (480p)	60	720 × 480
SDTV (576p)	50	720 × 576
HDTV (720p)	50/60	1280 × 720
HDTV (1080i)	50/60	1920 × 1080
HDTV (1080p)	24/25/30/50/60	1920 × 1080
4K input signals		
3840 × 2160	24/25/30/50/60	3840 × 2160
4096 × 2160 (SMPTE)	24/25/30/50/60	4096 × 2160
SDI input signals (EB-PU2010B/EB-PU2010W only)		
SD-SDI (NTSC)	60	720 × 480
SD-SDI (PAL)	50	720 × 576
HD-SDI	50/60	1280 × 720
HD-SDI	24/25/30/50/60	1920 × 1080
3G-SDI	50/60	1920 × 1080

[1] Compatible only with VESA CVT-RB (Reduced Blanking) input signal

[2] Only compatible when **Wide** is selected as the **Resolution** setting

Parent topic: Technical Specifications

Notices

Check these sections for important notices about your projector.

Recycling (U.S. and Canada)
Important Safety Information
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

Important Safety Instructions

Follow these safety instructions when setting up and using the projector:

- Do not look into the lens when the projector is on. The bright light can damage your eyes. Avoid standing in front of the projector so the bright light does not shine into your eyes.

- Do not place your hand or any object near the projection window. The high temperature of this area could cause burns, fire, or other damage.
- Do not place the projector on an unstable cart, stand, or table.
- 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.
- Failure to install the ceiling mount and projector may cause the projector to fall. After installing the specific Epson mount that supports your projector, make sure you secure the mount to all of the projector's ceiling mount fixing points. Also, secure the projector and the mounts using wire that is strong enough to hold their weight.
- 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 install the projector in locations exposed to high humidity and dust, such as on a kitchen counter, in the kitchen, or near a humidifier, or in locations exposed to oil smoke or steam. Doing so could cause fire or electric shock. The projector's case could also deteriorate and be damaged causing the projector to fall from the mount.

  Examples of environments that could cause the projector to fall due to case deterioration:

  - Locations subject to excessive smoke or airborne oil particles, such as factories or kitchens
  - Locations containing volatile solvents or chemicals, such as factories or laboratories
  - Locations where the projector could be subjected to detergents or chemicals, such as factories or kitchens
  - Locations in which aroma oils are often used, such as relaxation rooms
  - Near devices that produce excessive smoke, airborne oil particles, or foam at events
- Do not use the projector near water, sources of heat, high-voltage electrical wires, or sources of magnetic fields.
- Use the type of power source indicated on the projector. Use of a different power source may result in fire or electric shock. If you are not sure of the power available, consult your dealer or power company.
- Place the projector near a wall outlet where the plug can be easily unplugged.
- Take the following precautions when handling the plug: Do not hold the plug with wet hands. Do not insert the plug into a dusty outlet. Insert the plug firmly into the outlet. Do not pull the power cord when disconnecting the plug; always be sure to hold the plug when disconnecting it. Do not overload wall outlets, extension cords, or power strips. Failure to comply with these precautions could result in fire or electric shock.

- Do not place the projector where the cord can be walked on. This may result in fraying or damage to the plug.
- Unplug the projector from the wall outlet and allow to cool before cleaning. Use a dry cloth (or, for stubborn dirt or stains, a moist cloth that has been wrung dry) for cleaning. Do not use liquid or aerosol cleaners, any sprays containing flammable gas, or solvents such as alcohol, paint thinner, or benzine.
- Do not block the slots and openings in the projector case. They provide ventilation and prevent the projector from overheating. Do not operate the projector on a sofa, rug, or other soft surface, or set it on top of loose papers. Do not cover the projector with a blanket, curtain, or tablecloth. If you are setting up the projector near a wall, leave at least 7.9 inches (20 cm) of space between the wall and the projector.
- Do not operate the projector in a closed-in cabinet unless proper ventilation is provided.
- Never allow objects of any kind to enter any openings in the projector. Do not leave objects, especially flammable objects, near the projector. Never spill liquid of any kind into the projector.
- If you are using two or more projectors side-by-side, leave at least 27.5 inches (70 cm) of space between the projectors to allow for proper ventilation.
- You may need to clean the air filter and vent. A clogged air filter or vent can block ventilation needed to cool the projector. Do not use canned air, or the gases may leave a residue.
- Do not store the projector outdoors for an extended length of time.
- Except as specifically explained in this manual, do not attempt to service this product yourself. Refer all servicing to qualified personnel. Opening or removing covers may expose you to dangerous voltages and other hazards.
- Never open any covers on the projector except as specifically explained in this manual. Never attempt to disassemble or modify the projector. Refer all repairs to qualified service personnel.
- Unplug the projector from the wall outlet and refer servicing to qualified service personnel under the following conditions: if it does not operate normally when you follow the operating instructions, or exhibits a distinct change in performance; if smoke, strange odors, or strange noises come from the projector; if the power cord or plug is damaged or frayed; if liquid or foreign objects get inside the projector, or if it has been exposed to rain or water; if it has been dropped or the housing has been damaged.
- Do not touch the plug during an electrical storm. Otherwise, you may receive an electric shock.
- Unplug the projector when it will not be used for extended periods.
- Do not use the projector where it may be exposed to rain, water, or excessive humidity.
- Do not use or store the projector where it may be exposed to smoke, steam, corrosive gases, excessive dust, vibration, or shock.

- Do not use the projector where flammable or explosive gases may be present.
- Do not use or store the projector or remote control in a hot location, such as near a heater, in direct sunlight, or in a closed vehicle.
- If you use the projector in a country other than where you purchased it, use the correct power cord for that country.
- Do not stand on the projector or place heavy objects on it.
- Do not use the projector outside of the required temperature range below:

  EB-PU1006W/EB-PU1007B/EB-PU1007W/EB-PU1008B/EB-PU1008W:

  32 to 113 °F (0 to 45 °C) at an altitude of 7500 feet (2286 m) or less, or 32 to 104 °F (0 to 40 °C) at an altitude of 7500 to 10000 feet (2286 m to 3048 m)

  EB-PU2010B/EB-PU2010W:

  32 to 122 °F (0 to 50 °C) at an altitude of 7500 feet (2286 m) or less, or 32 to 113 °F (0 to 45 °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 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.
- Do not place the source of an open flame, such as a lit candle, on or near the projector.
- Do not block the lens during projection using a book or any other object. This could damage the projector or cause a fire.
- 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.
- Always attach the lens cover to the lens when not using the projector to prevent the lens from becoming dirty or damaged.

Laser Safety Information
Laser Hazard Distance
Restriction of Use

Parent topic: Notices

Laser Safety Information

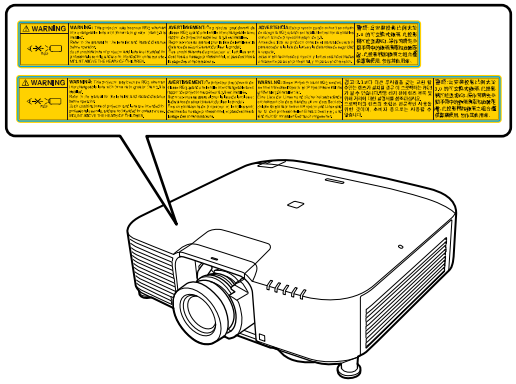
This projector is a Class 1 laser product that complies with the IEC/EN60825-1:2014 international standard for lasers. Follow these safety instructions when using the projector.

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.
- 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.
- 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 3R product and complies with FDA performance standards for laser products except for deviations pursuant to Laser Notice N. 50, dated June 24, 2007:

- **Top**



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):

- **Inside**



Parent topic: Important Safety Instructions

Laser Hazard Distance

When using projectors and interchangeable lenses that change to Risk Group 3, no direct exposure to the beam is permitted. Operators must control access to the beam within the hazard distance or install the product at a height that will prevent eye exposure within the hazard distance. Refer to the table here for the Exposure Hazard Values (EHV) in accordance with the IEC62471-5 standard. Looking into the lens at distances closer than those indicated here can cause damage to eyesight.

EB-PU1006W/EB-PU1007B/EB-PU1007W/EB-PU1008B/EB-PU1008W

Exposure Hazard Value (EHV)		
Lens	**Wide**	**Tele**
ELPLX01	3.1 inches (0.08 m)	—
ELPLX02	—	—
ELPLU04	9.1 inches (0.23 m)	10.2 inches (0.26 m)
ELPLU06	6.3 inches (0.16 m)	6.7 inches (0.17 m)
ELPLW05	9.8 inches (0.25 m)	11.4 inches (0.29 m)
ELPLW06	18.5 inches (0.47 m)	22.0 inches (0.56 m)
ELPLW08	11.4 inches (0.29 m)	13.8 inches (0.35 m)
ELPLM08	17.7 inches (0.45 m)	23.2 inches (0.59 m)
ELPLM10	48.0 inches (1.22 m)	65.0 inches (1.65 m)
ELPLM11	72.4 inches (1.84 m)	97.6 inches (2.48 m)
ELPLM15	27.6 inches (0.70 m)	41.3 inches (1.05 m)
ELPLL08	103.5 inches (2.63 m)	122.8 inches (3.12 m)

EB-PU2010B/EB-PU2010W

Exposure Hazard Value		
Lens	**Wide**	**Tele**
ELPLX01	—	—
ELPLX02	2.4 inches (0.06 m)	—
ELPLU04	5.5 inches (0.14 m)	6.3 inches (0.16 m)

Exposure Hazard Value		
Lens	**Wide**	**Tele**
ELPLU06	4.2 inches (0.10 m)	4.3 inches (0.11 m)
ELPLW05	6.7 inches (0.17 m)	7.9 inches (0.20 m)
ELPLW06	11.4 inches (0.29 m)	13.8 inches (0.35 m)
ELPLW08	7.5 inches (0.19 m)	9.4 inches (0.24 m)
ELPLM08	11.0 inches (0.28 m)	14.6 inches (0.37 m)
ELPLM10	29.5 inches (0.75 m)	40.6 inches (1.03 m)
ELPLM11	44.9 inches (1.14 m)	61.4 inches (1.56 m)
ELPLM15	16.9 inches (0.43 m)	25.6 inches (0.65 m)
ELPLL08	65.7 inches (1.67 m)	78.7 inches (2.0 m)

Parent topic: Important Safety Instructions

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.

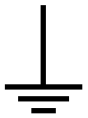
Because this product was not intended for use in applications requiring extremely high reliability/safety such as aerospace equipment, main communication equipment, nuclear power control equipment, or medical equipment related to direct medical care, please make your own judgment on this product's suitability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

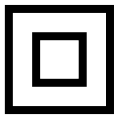
Parent topic: Important Safety Instructions

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 is not placed 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.
26		IEC 60417 No. 6056	Caution (moving fan blades) As a safety precaution, stay away from the moving fan blades.
27		IEC 60417 No. 6043	Caution (sharp corners) To indicate sharp corners that should not be touched.
28		—	To indicate that looking into the lens while projecting is prohibited.
29		ISO7010 No. W027 ISO3864	Warning, optical radiation (such as UV, visible light, IR) Taking care to avoid injury to eyes and skin when in the vicinity of optical radiation.
30		IEC60417 No. 5109	Not to be used in residential areas To identify electrical equipment which is not suitable for a 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 (U.S. or Canada), or https://www.jamsadr.com/about/ or by calling +1-949-224-1810 (Latin America), 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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EPSON®
EXCEED YOUR VISION

Parent topic: Notices

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