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PowerLite® Pro G6070W/G6170/G6270W/G6470WU/ G6570WU/G6770WU/G6870/G6970WU User's Guide

Contents

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PowerLite Pro G6070W/G6170/G6270W/G6470WU/G6570WU/G6770WU/G6870/G6970WU User's Guide

Welcome to the PowerLite Pro G6070W/G6170/G6270W/G6470WU/G6570WU/G6770WU/G6870/G6970WU *User's Guide*.

Introduction to Your Projector

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

Projector Features

The PowerLite Pro G6070W, G6170, G6270W, G6470WU, G6570WU, G6770WU, G6870, and G6970WU projectors include these special features:

Bright, high-resolution projection system

- PowerLite Pro G6070W: Up to 5500 lumens of brightness (white light output and color light output)

  PowerLite Pro G6170/G6270W: Up to 6500 lumens of brightness (white light output and color light output)

  PowerLite Pro G6470WU: Up to 4500 lumens of brightness (white light output and color light output)

  PowerLite Pro G6570WU: Up to 5200 lumens of brightness (white light output and color light output)

  PowerLite Pro G6770WU/G6970WU: Up to 6000 lumens of brightness (white light output and color light output)

  PowerLite Pro G6870: Up to 7000 lumens of brightness (white light output and color light output)

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

- PowerLite Pro G6070W/G6270W: Native resolution of 1280 × 800 pixels (WXGA)

  PowerLite Pro G6170/G6870: Native resolution of 1024 × 768 pixels (XGA)

  PowerLite Pro G6470WU/G6570WU/G6770WU/G6970WU: Native resolution of 1920 × 1200 pixels (WUXGA)

Flexible connectivity

- Wired and wireless network support for projection, monitoring, and control via remote network computer (PowerLite Pro G6070W/G6170/G6270W/G6470WU/G6570WU/G6770WU)

- Wired network support for monitoring and control via remote network computer (PowerLite Pro G6870/G6970WU)
- Variety of connection methods to a computer or video device including HDMI, BNC, DisplayPort, HDBaseT, and SDI (PowerLite Pro G6970WU)
- Ports for connecting an external monitor and external speakers

Easy-to-use setup and operation features

- Interchangeable bayonet lens options available
- Project images side by side from two separate input sources
- Create one large seamless display when projecting from multiple projectors using Edge Blending
- Epson's Instant Off and Direct Power On features for quick setup and shut down
- Support for Crestron RoomView network monitoring systems
- Network message broadcast system to project timely messages to all networked projectors (Windows only)

Note: The PowerLite Pro G6970WU projector with the standard lens is shown in most illustrations in this manual, unless noted otherwise.

Product Box Contents
Additional Components
Optional Equipment and Replacement Parts
Warranty and Registration Information

Parent topic: Introduction to Your Projector

Related concepts
Projector Part Locations

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:
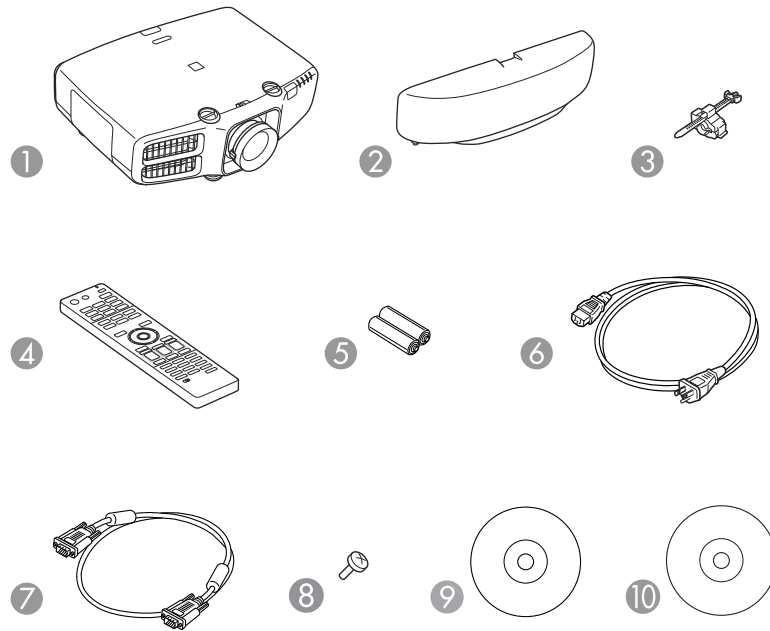
1   Projector with standard zoom lens[1]

2   Cable cover

3   Cable clip[2]

4   Remote control

5   Remote control batteries (two AA alkaline)

6   Power cord

7   VGA computer cable

8   Lens unit screw[1]

9   Projector documentation CD

10 Projector software CD (PowerLite Pro
    G6070W/G6170/G6270W/G6470WU/G6570WU/G6770WU)

[1] Lens and lens unit screw not included with the PowerLite Pro
G6070WNL/G6170NL/G6270WNL/G6470WUNL/G6570WUNL/G6770WUNL/G6870NL/G6970WUNL

[2] 2 clips included with the PowerLite Pro G6870/G6970WU

Parent topic: Projector Features

Additional Components

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

- To connect a computer through its VGA port to the projector's BNC ports, you need a VGA-to-5-BNC cable or adapter. You can purchase one from Epson or an authorized Epson reseller.

- To receive a composite video signal, you need an RCA-style video or A/V cable. See your local computer or electronics dealer for purchase information.

- To receive an S-Video signal, you need an S-Video cable compatible with your device. See your local computer or electronics dealer for purchase information.

- To receive a component video signal, you need a component-to-BNC or a D-sub, 15-pin, component-to-VGA video cable or adapter. You can purchase one from Epson or an authorized Epson reseller.

- To receive an HDMI signal, you need a compatible HDMI cable. You can purchase one from Epson or an authorized Epson reseller.

    Note: Older Mac computers (2009 and earlier) may not support audio through the HDMI port.

- To receive a DisplayPort signal, you need a compatible DisplayPort cable.

- To receive an HDBaseT signal, you need a compatible 100Base-TX LAN cable.

- To receive an SDI signal (PowerLite Pro G6970WU), you need a compatible BNC video cable.

- To project with audio from certain ports, you may need a commercially available audio cable compatible with your device. See your local computer or electronics dealer for purchase information.

- 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. Contact Apple for compatible adapter options.

Parent topic: Projector Features

Optional Equipment and Replacement Parts

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

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

Option or part	Part number
Genuine Epson replacement lamp (ELPLP76)	V13H010L76
Air filter (ELPAF43)	V13H134A43
Quick Wireless Connection USB key (ELPAP09; PowerLite Pro G6070W/G6170/G6270W/G6470WU/G6570WU/G6770WU)	V12H005M09
Wireless LAN module (ELPAP07; PowerLite Pro G6070W/G6170/G6270W/G6470WU/G6570WU/G6770WU)	V12H418P12
HDBaseT Transmitter (ELPHD01)	V12H547020
Replacement remote control	158279900
Remote control cable set (ELPKC28)	V12H005C28
Epson DC-11 document camera (ELPDC11)	V12H377020
Epson DC-20 document camera (ELPDC20)	V12H500020
Wireless IR mouse receiver for remote control (ELPST16)	V12H007T16
Polarizer Kit for 3D Stacking	ELPPL01
Passive 3D glasses (adult)	ELPGS02A
Passive 3D glasses (children)	ELPGS02B
Advanced projector ceiling mount with precision gear	ELPMBPRG
Adjustable suspended ceiling channel kit	ELPMBP01
False ceiling plate kit	ELPMBP02
Structural round ceiling plate	ELPMBP03
Adjustable extension column (pipe) 8" to 11" (20 to 28 cm)	ELPMBC01
Component-to-VGA video cable (ELPKC19)	V12H005C19
VGA video cable 6 feet (1.8 m) length	F3H982-06
VGA video cable 10 feet (3.0 m) length	F3H982-10
VGA video cable 25 feet (7.6 m) length	F3H982-25
HDMI audio video cable 3 feet (0.9 m) length	AV22300-03

Option or part	Part number
HDMI audio video cable 6 feet (1.8 m) length	AV22300-06
HDMI audio video cable 12 feet (3.6 m) length	AV22300-12
Short throw zoom lens (ELPLU01)	V12H004U01
Rear projection wide lens (ELPLR03)	V12H004R03
Standard zoom lens (ELPLS07)	V12H004S07
Middle throw zoom lens #1 (ELPLM04)	V12H004M04
Middle throw zoom lens #2 (ELPLM05)	V12H004M05
Long throw zoom lens (ELPLL06)	V12H004L06
Active speakers (ELPSP02)	V12H467020
PixiePlus control system for Epson projectors	ELPSP10
Duet ultra portable projector screen	ELPSC80
50" portable roll screen (4:3)	ELPSC06
60" portable pop-up screen (4:3)	ELPSC07
80" portable pop-up screen (4:3)	ELPSC08
1-Year Extended Exchange Service Plan	EPPEXPB1
2-Year Extended Exchange Service Plan	EPPEXPB2

Parent topic: Projector Features

Warranty and Registration Information

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

In addition, Epson offers free Extra Care Road Service. In the unlikely event of an equipment failure, you won't have to wait for your unit to be repaired. Instead, Epson will ship you a replacement unit anywhere in the United States, Canada, or Puerto Rico. See the Extra Care Road Service brochure for details.

Register your product online using the projector CD or at this site: epson.com/webreg.

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 **Help** button on the remote control to get quick solutions to common problems.

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

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

- For detailed instructions on using your projector in a network environment (PowerLite Pro G6070W/G6170/G6270W/G6470WU/G6570WU/G6770WU), see the *EasyMP Network Projection Operation Guide*.

- For detailed instructions on monitoring your projector in a network environment (Windows only), see the *EasyMP Monitor Operation Guide*.

- For detailed instructions on using your projector to hold interactive meetings in a network environment (PowerLite Pro G6070W/G6170/G6270W/G6470WU/G6570WU/G6770WU), see the *EasyMP Multi PC Projection Operation Guide*.

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

Parent topic: Introduction to Your Projector

Related references

Where to Get Help

Projector Part Locations

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

Note: The PowerLite G6970WU projector is shown in most illustrations in this manual, unless noted otherwise.

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
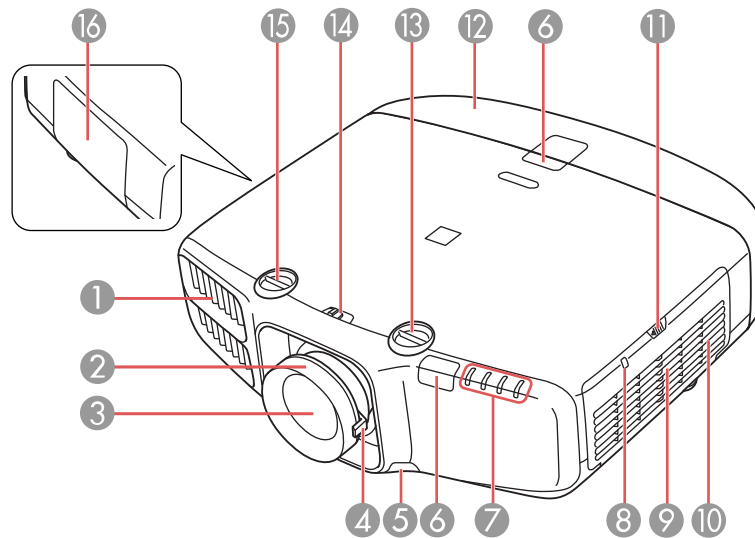
1	Exhaust vent
2	Focus ring
3	Projector lens
4	Zoom ring

5   Lens unit release button

6   Remote receiver

7   Projector status lights

8   Wireless LAN indicator light (PowerLite Pro
        G6070W/G6170/G6270W/G6470WU/G6570WU/G6770WU)

9   Air filter/intake vent

10   Speaker (PowerLite Pro G6070W/G6170/G6270W/G6470WU/G6570WU/G6770WU)

11   Air filter cover latch

12   Cable cover

13   Vertical lens shift dial

14   Lens shift dial lock

15   Horizontal lens shift dial

16   Lamp cover

Parent topic: Projector Part Locations

Projector Parts - Rear
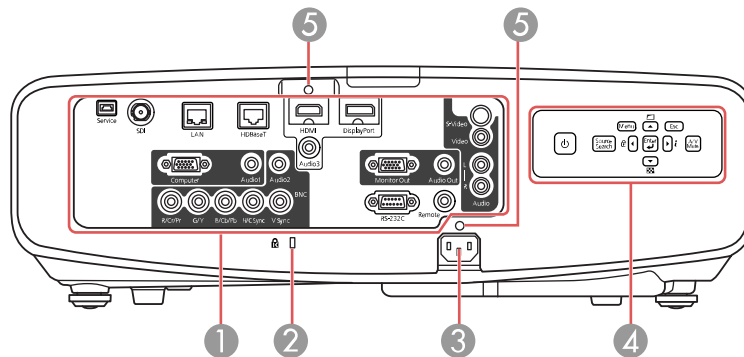
1   Interface ports

2   Kensington security slot

3   AC input port

4   Control panel

5   Cable clip slot

Parent topic: Projector Part Locations

Projector Parts - Interface Ports
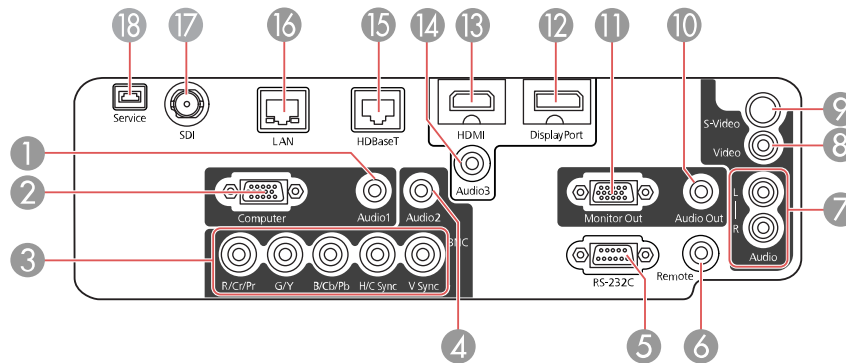
1   **Audio1** port

2   **Computer** port

3   **BNC** ports

4   **Audio2** port

5   **RS-232C** port

6   **Remote** port

7   **Audio L-R** ports

8   **Video** port

9   **S-Video** port

10   **Audio Out** port

11   **Monitor Out** port

12   **DisplayPort** connector

13	**HDMI** port
14	**Audio3** port
15	**HDBaseT** port
16	Network **LAN** port
17	**SDI** port (PowerLite Pro G6970WU)
18	**Service** port

Parent topic: Projector Part Locations

Projector Parts - Base
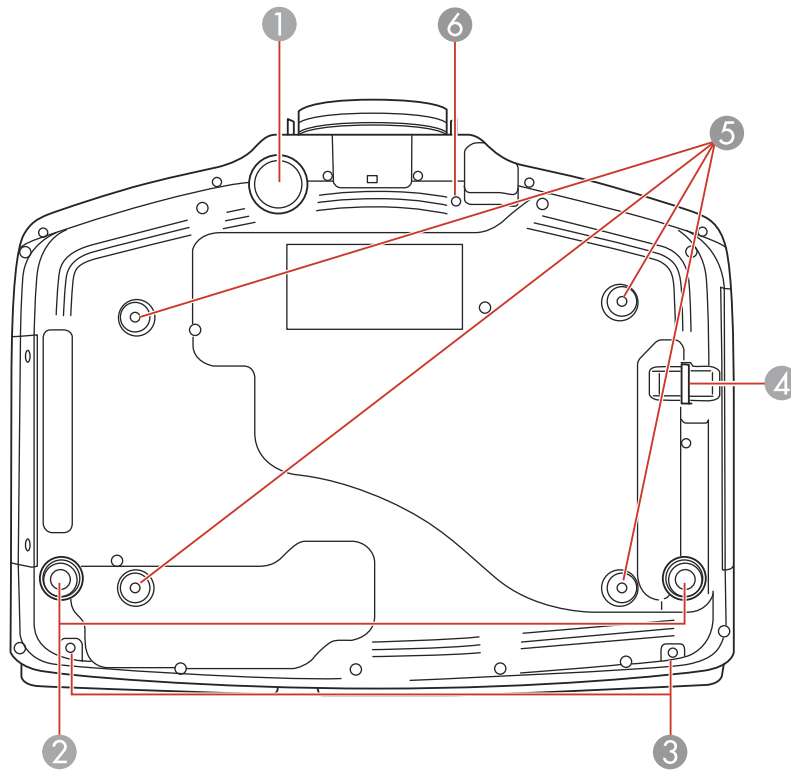
1	Front adjustable foot
2	Rear feet
3	Screw holes for cable cover
4	Security cable attachment point
5	Mounting bracket holes
6	Screw hole for lens unit release button

Parent topic: Projector Part Locations

Projector Parts - Control Panel
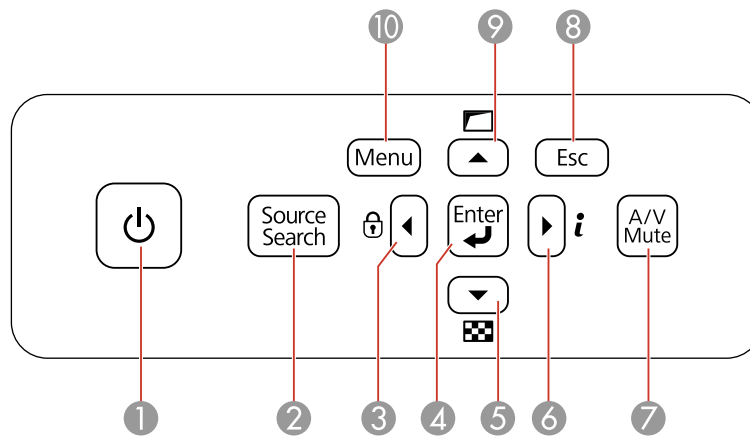
1	Power button
2	**Source Search** button (searches for connected sources)
3	Left arrow button and displays the Control Panel Lock screen
4	**Enter** button (selects options and optimizes screen image when projecting an RGB signal from the **Computer** or **BNC** ports)
5	Down arrow button and displays a test pattern
6	Right arrow button and displays the Info menu
7	**A/V Mute** button (turns the video and audio on or off)

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

9   Up arrow button and displays screen adjustment options

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

Parent topic: Projector Part Locations

Related references

Projector Light Status

Projector Parts - Remote Control
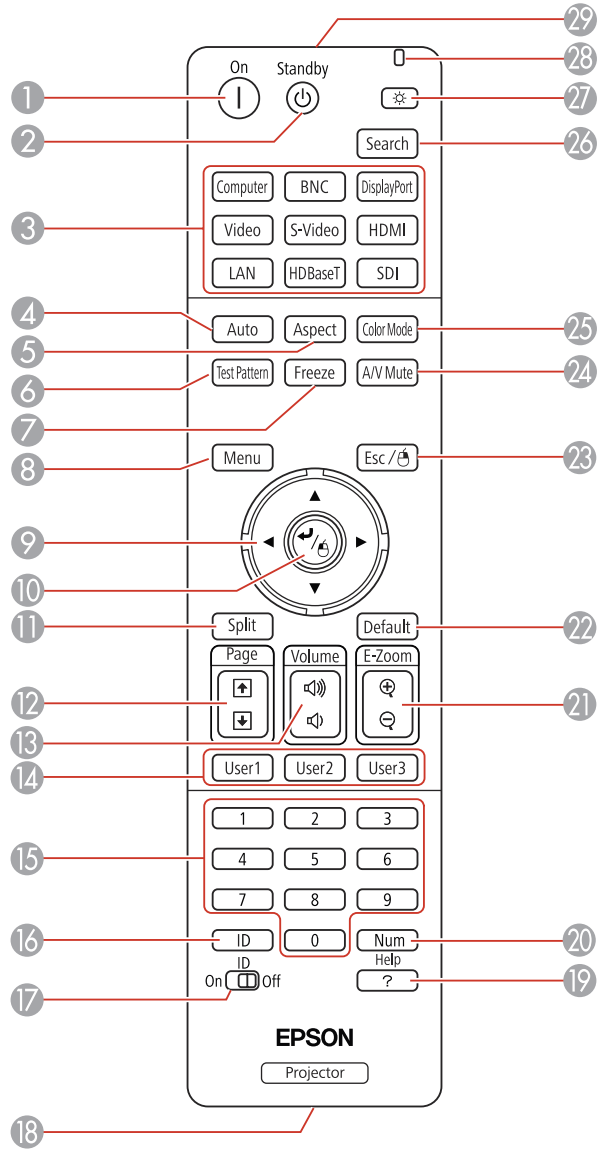
1   **On** button (turns power on)

2   **Standby** button (turns power off)

3   Source buttons (changes input source; some buttons may not function depending on the model)

4   **Auto** button (automatically adjusts position, tracking, and sync settings when projecting analog RGB signals from the **Computer** or **BNC** ports)

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

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

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

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

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

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

11   **Split** button (splits the screen)

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

13   **Volume** up/down buttons (adjust projector speaker or external speaker volume)

14   **User1**, **User2**, and **User3** buttons (customizable for different functions)

15   Numeric buttons (enter numbers)

16   **ID** button (hold down to use numeric buttons to select a projector)

17   **ID** switch (enables or disables ID settings)

18   Remote port (connects to a remote control cable)

19   **Help** button (accesses projector help information)

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

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

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

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

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

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

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

27 Light button (lights up the buttons temporarily)

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

29 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

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
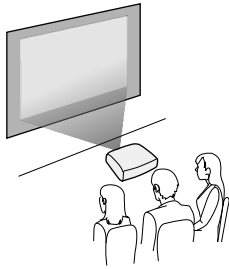
Rear
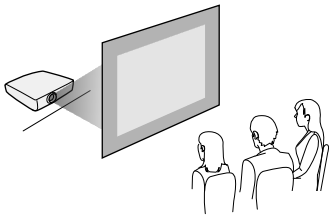
Front ceiling
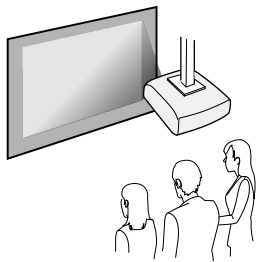
Rear ceiling
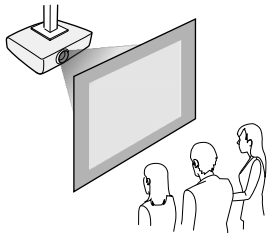
Note: Be sure to leave at least 20 inches (50 cm) of space in front of the air exhaust and intake vents and, when setting up multiple projectors, 20 inches (50 cm) of space between the projectors.
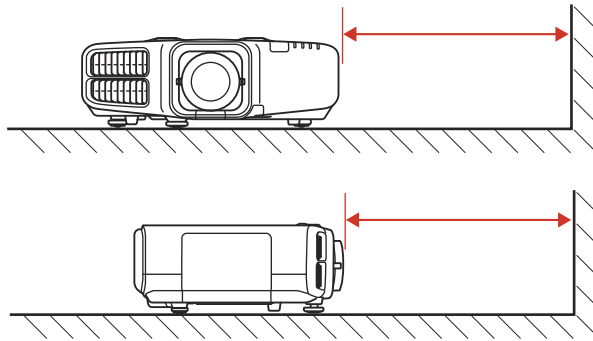
If you mount the projector to the ceiling, install it within the following angles:

- **Vertically**: Any angle in a complete 360 degree circle.
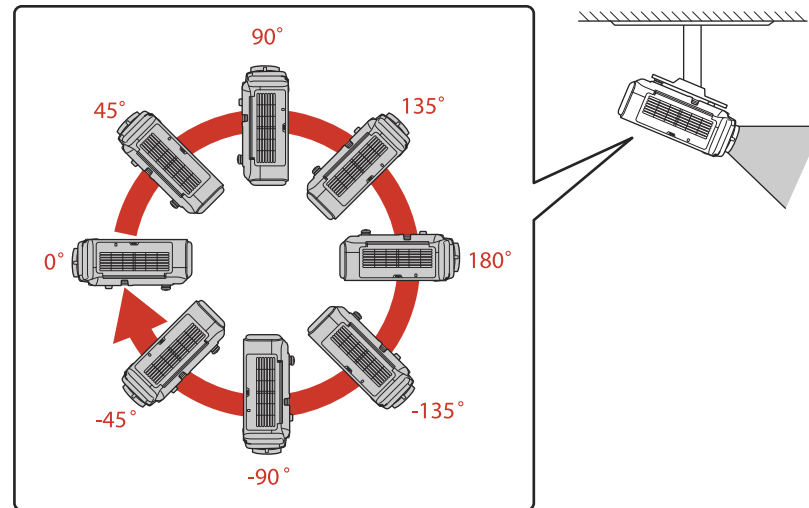
- **Horizontally**: Within the adjustment range of the rear adjustable feet.

If you project from the ceiling or from the rear, select the correct **Projection** setting and, if necessary, turn on the **Inv Direction Button** setting. If you installed the projector at an angle, select the **Direction** setting.

Note: Selecting an incorrect **Direction** setting may shorten the lamp life.

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 projector Throw Distance Calculator at epson.com/support (U.S.) or epson.ca/support (Canada).
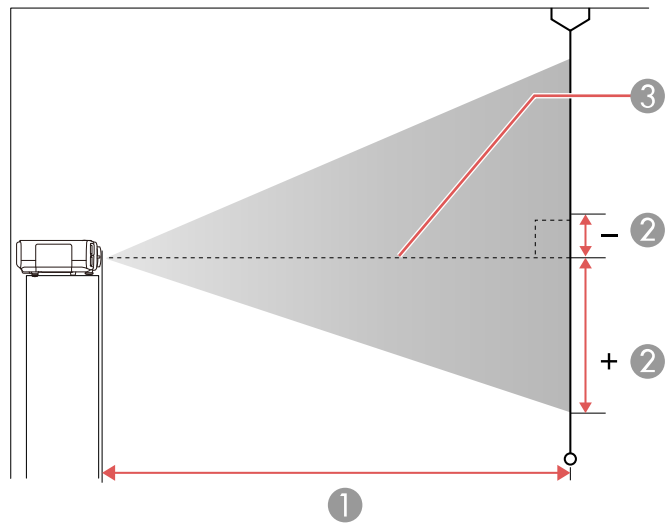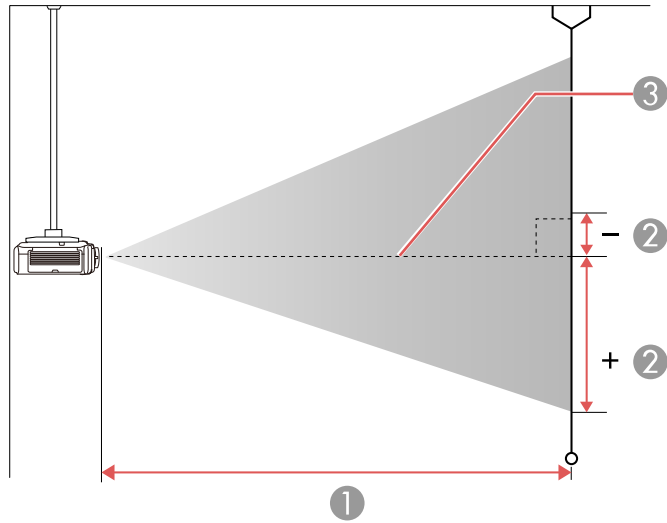
1   Projection distance

2   Distance from the center of the lens to the base of the image (varies depending on vertical lens shift)

3   Center of lens

PowerLite Pro G6170/G6870

4:3 Aspect Ratio Image or Screen with Standard Zoom Lens			
Screen or image size		**Projection distance (1)** **Wide to Tele (Minimum to Maximum)**	**Vertical lens shift (2)** **Top to Bottom**
30 inches	24 × 18.1 inches (61 × 46 cm)	30 to 56 inches (76 to 141 cm)	−1.4 to 19.4 inches (−3 to 49 cm)
40 inches	31.9 × 24.0 inches (81 × 61 cm)	41 to 75 inches (103 to 189 cm)	−1.8 to 25.8 inches (−5 to 66 cm)
50 inches	40.2 × 29.9 inches (102 × 76 cm)	51 to 94 inches (130 to 238 cm)	−2.3 to 32.3 inches (−6 to 82 cm)
60 inches	48.0 × 35.8 inches (122 × 91 cm)	62 to 113 inches (157 to 286 cm)	−2.7 to 38.7 inches (−7 to 98 cm)
80 inches	64.2 × 48.0 inches (163 × 122 cm)	83 to 151 inches (211 to 383 cm)	−3.6 to 51.6 inches (−9 to 131 cm)
100 inches	79.9 × 59.8 inches (203 × 152 cm)	104 to 189 inches (265 to 479 cm)	−4.6 to 64.6 inches (−12 to 164 cm)
150 inches	120.1 × 90.2 inches (305 × 229 cm)	157 to 284 inches (400 to 721 cm)	−6.8 to 96.8 inches (−17 to 246 cm)
200 inches	159.8 × 120.1 inches (406 × 305 cm)	210 to 379 inches (534 to 963 cm)	−9.1 to 129.1 inches (−23 to 328 cm)

4:3 Aspect Ratio Image or Screen with Standard Zoom Lens		
Screen or image size	Projection distance (1) Wide to Tele (Minimum to Maximum)	Vertical lens shift (2) Top to Bottom
250 inches	200.0 × 150.0 inches (508 × 381 cm)	263 to 474 inches (669 to 1205 cm)	−11.4 to 161.4 inches (−29 to 410 cm)
300 inches	241.2 × 179.9 inches (610 × 457 cm)	316 to 570 inches (804 to 1447 cm)	−13.7 to 193.7 inches (−35 to 492 cm)

PowerLite Pro G6070W/G6270W/G6470WU/G6570WU/G6770WU/G6970WU

16:10 Aspect Ratio Image or Screen with Standard Zoom Lens		
Screen or image size	Projection distance (1) Wide to Tele (Minimum to Maximum)	Vertical lens shift (2) Top to Bottom
50 inches	42.5 × 26.4 inches (108 × 67 cm)	53 to 97 inches (135 to 247 cm)	−4.7 to 31.2 inches (−12 to 79 cm)
60 inches	51.2 × 31.9 inches (130 × 81 cm)	64 to 117 inches (163 to 297 cm)	−5.6 to 37.4 inches (−14 to 95 cm)
80 inches	67.7 × 42.5 inches (172 × 108 cm)	86 to 156 inches (219 to 397 cm)	−7.5 to 49.9 inches (−19 to 127 cm)
100 inches	84.6 × 53.2 inches (215 × 135 cm)	108 to 196 inches (275 to 498 cm)	−9.4 to 62.4 inches (−24 to 158 cm)
150 inches	127.2 × 79.5 inches (323 × 202 cm)	164 to 295 inches (415 to 749 cm)	−14 to 93.5 inches (−36 to 238 cm)
200 inches	169.7 × 105.9 inches (431 × 269 cm)	219 to 394 inches (555 to 1000 cm)	−18.7 to 124.7 inches (−48 to 317 cm)

16:10 Aspect Ratio Image or Screen with Standard Zoom Lens			
Screen or image size		Projection distance (1) Wide to Tele (Minimum to Maximum)	Vertical lens shift (2) Top to Bottom
250 inches	211.8 × 132.7 inches (538 × 337 cm)	274 to 492 inches (695 to 1251 cm)	–23.4 to 155.9 inches (–59 to 396 cm)
300 inches	254.3 × 159.1 inches (646 × 404 cm)	329 to 591 inches (835 to 1501 cm)	–28.1 to 187.1 inches (–71 to 475 cm)

Parent topic: Projector Placement

Projector Connections

You can connect the projector to a variety of computer, video, and audio sources to display presentations, movies, or other images, with or without sound.

- Connect any type of computer that has a standard video output (monitor) port, DisplayPort, or HDMI port.
- For video projection, connect devices such as DVD players, gaming consoles, digital cameras, tablets, and smartphones with compatible video output ports.
- If your presentation or video includes sound, you can connect audio input cables, if necessary.

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

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

Parent topic: Setting Up the Projector

Related references

Projector Setup Settings - Extended Menu

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 DisplayPort Video and Audio

Connecting to a Computer for 5 BNC Video

Connecting to a Computer for Sound

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 Thunderbolt port or Mini-DVI port for video output, you need to obtain an adapter that allows you to connect to the projector's VGA video port. Contact Apple for compatible adapter options.

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

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

3. Connect the other end to a **Computer** port on the projector.
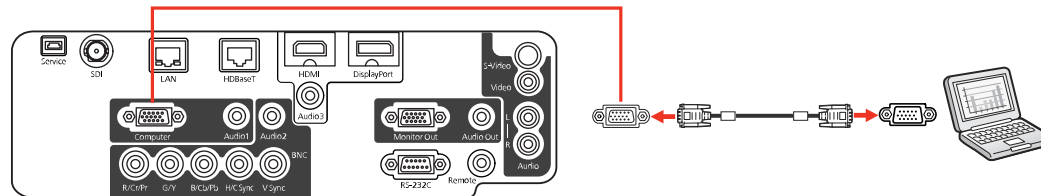
4. Tighten the screws on the VGA connector.

Parent topic: Connecting to Computer Sources

Related tasks

Connecting to a Computer for Sound

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 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.
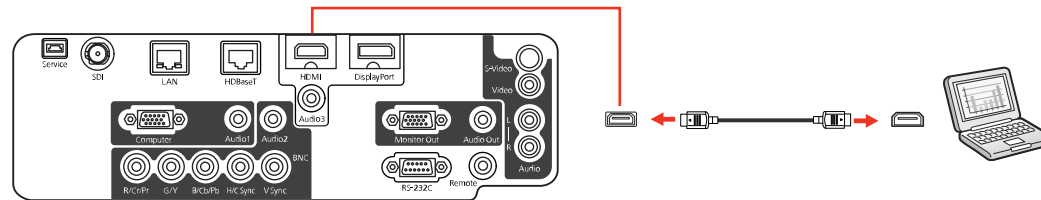
Note: The projector converts the digital audio signal sent from your computer into a mono analog signal for the internal speaker or a stereo analog signal if you are connecting to external speakers.

Note: If you have problems hearing audio through the HDMI connection, you can use the **Audio3** port instead to play sound. Connect one end of an optional 3.5 mm stereo mini-jack audio cable to the projector's **Audio3** port and the other end to your computer's audio out port. Then select **Audio3** for the **HDMI Audio Output** setting in the Extended menu.

Parent topic: Connecting to Computer Sources

Related references
Projector Setup Settings - Extended Menu

Related tasks
Attaching and Removing the Cable Clips

Connecting to a Computer for DisplayPort Video and Audio

If your computer has a DisplayPort or Mini DisplayPort connector, you can connect it to the projector using an optional DisplayPort cable.

1. Connect the DisplayPort cable to your computer's DisplayPort or Mini DisplayPort connector.

2. Connect the other end to the projector's **DisplayPort** connector.
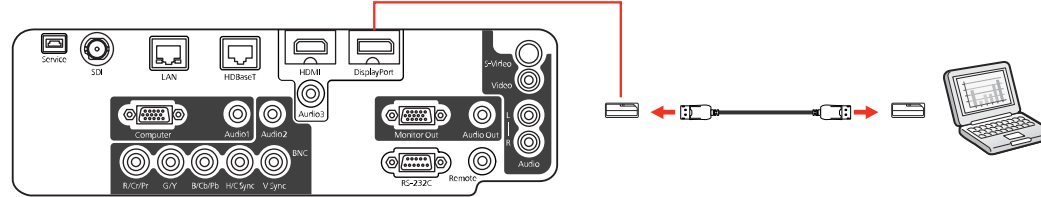
Note: If you have problems hearing audio through the DisplayPort connection, you can use the **Audio3** port instead to play sound. Connect one end of an optional 3.5 mm stereo mini-jack audio cable to the projector's **Audio3** port and the other end to your computer's audio out port. Then select **Audio3** for the **DisplayPort Audio Output** setting in the Extended menu.

Parent topic: Connecting to Computer Sources

Related references

Projector Setup Settings - Extended Menu

Connecting to a Computer for 5 BNC Video

You can connect the projector to your computer using an optional VGA-to-5-BNC cable.

1. Connect the VGA connector to your computer's monitor port.

2. Connect the 5 BNC connectors to the projector's **BNC** ports.
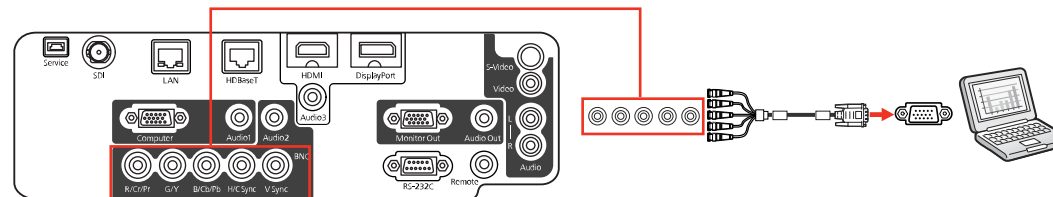
Parent topic: Connecting to Computer Sources

Related tasks

Connecting to a Computer for Sound

Connecting to a Computer for Sound

If your computer presentation includes sound and you did not connect it to the projector's **DisplayPort** or **HDMI** port, you can still play sound through the projector's speaker system (PowerLite Pro G6070W/G6170/G6270W/G6470WU/G6570WU/G6770WU). Just connect an optional 3.5 mm stereo mini-jack audio cable as described here.

Note: If your projector does not have an internal speaker system (PowerLite Pro G6870/G6970WU), you can play sound by connecting external speakers to the projector.

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

2. Connect the other end to the **Audio** port that corresponds to the **Computer** or **BNC** ports you are using.
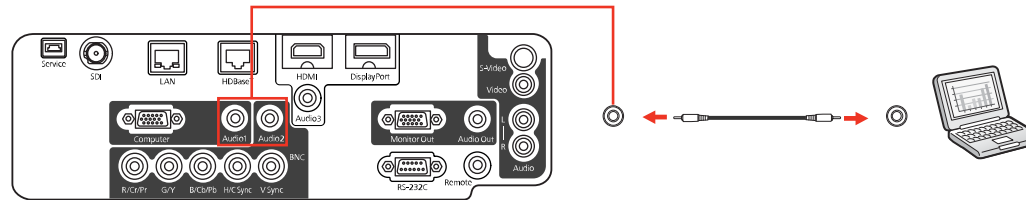
Parent topic: Connecting to Computer Sources

Related tasks
Connecting to External Speakers

Connecting to Video Sources

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

Connecting to an HDMI Video Source
Connecting to a Component-to-BNC Video Source
Connecting to a Component-to-VGA Video Source
Connecting to an S-Video Video Source
Connecting to a Composite Video Source
Connecting to an SDI Video Source
Connecting to a Video Source for Sound

Parent topic: Projector Connections

Connecting to an HDMI Video Source

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

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

2. Connect the other end to the projector's **HDMI** port.
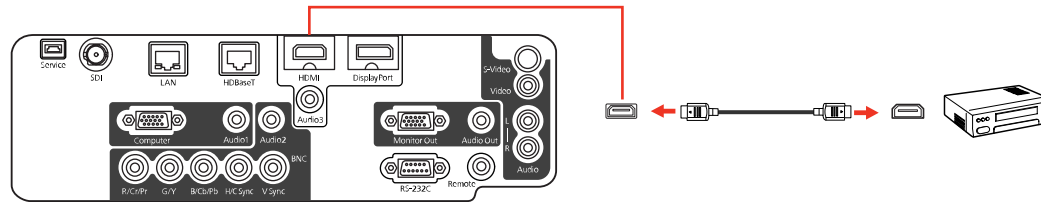
Note: The projector converts the digital audio signal sent from your video source into a mono analog signal for the internal speaker or a stereo analog signal if you are connecting to external speakers.

Note: If you have problems hearing audio through the HDMI connection, you can use the **Audio3** port instead to play sound. Connect one end of an optional 3.5 mm stereo mini-jack audio cable to the projector's **Audio3** port and the other end to your computer's audio out port. Then select **Audio3** for the **HDMI Audio Output** setting in the Extended menu.

Parent topic: Connecting to Video Sources

Related references

Projector Setup Settings - Extended Menu

Related tasks

Attaching and Removing the Cable Clips

Connecting to a Component-to-BNC Video Source

If your video source has component video ports, you can connect it to the projector using an optional component-to-BNC 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 BNC connectors to the projector's **R/Cr/Pr**, **G/Y**, **B/Cb/Pb** ports.
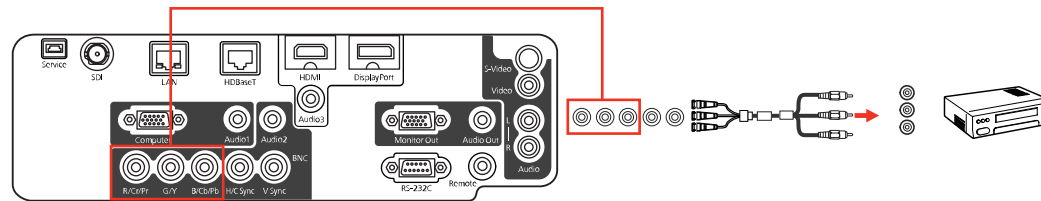
Parent topic: Connecting to Video Sources

Related tasks

Connecting to a Video Source for Sound

Connecting to a Component-to-VGA Video Source

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

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

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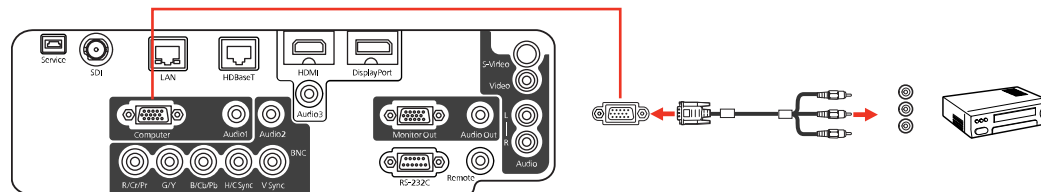
3. Tighten the screws on the VGA connector.

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

Parent topic: Connecting to Video Sources

Related references

Input Signal Settings - Signal Menu

Related tasks

Connecting to a Video Source for Sound

Connecting to an S-Video Video Source

If your video source has an S-Video port, you can connect it to the projector using an optional S-Video cable.

1. Connect the S-Video cable to your video source's S-Video output port.

2. Connect the other end to the projector's **S-Video** port.
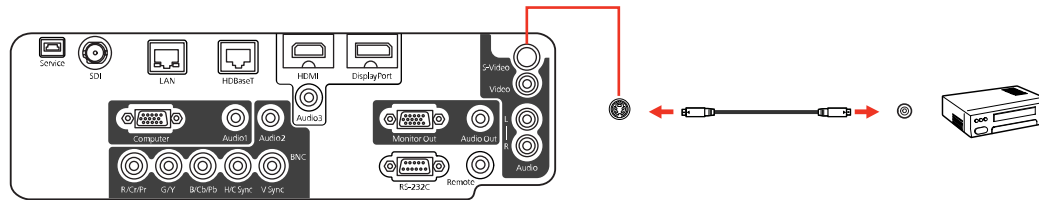
Parent topic: Connecting to Video Sources

Related tasks

Connecting to a Video Source for Sound

Connecting to a Composite Video Source

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

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

2. Connect the other end to the projector's **Video** port.
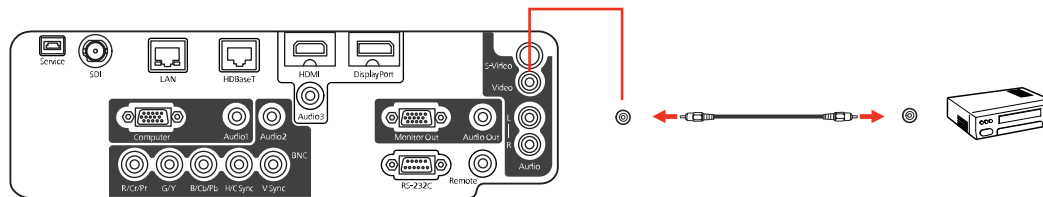
Parent topic: Connecting to Video Sources

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Related tasks

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 (PowerLite Pro G6970WU).

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.
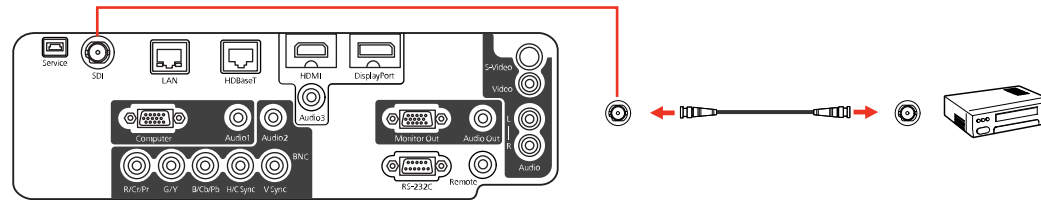
Parent topic:

Connecting to a Video Source for Sound

You can play sound through the projector's speaker system if your video source has audio output ports (PowerLite Pro G6070W/G6170/G6270W/G6470WU/G6570WU/G6770WU).

Note: If your projector does not have an internal speaker system (PowerLite Pro G6870/G6970WU), you can play sound by connecting external speakers to the projector.

If you are projecting video using the **Computer** or **BNC** ports, connect the projector to the video source using an optional stereo 3.5 mm mini-jack audio cable.

If you are projecting video using the **Video** or **S-Video** port, connect the projector to the video source using an RCA audio cable.

Note: If you connected your video source to the projector using an HDMI cable, the audio signal is transferred with the video signal; you do not need an additional cable for sound. If you connected to the projector's **SDI** port (PowerLite Pro G6900WU), audio output is not supported.

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

2. Do one of the following:

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

   - Connect the red and white plugs on the other end of the cable to the projector's **Audio L-R** ports.
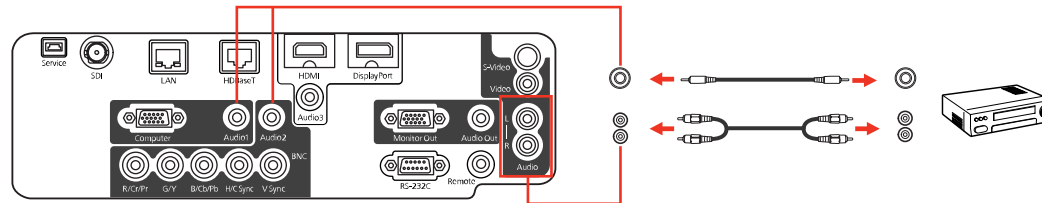
Parent topic: Connecting to Video Sources

Related tasks

Connecting to External Speakers

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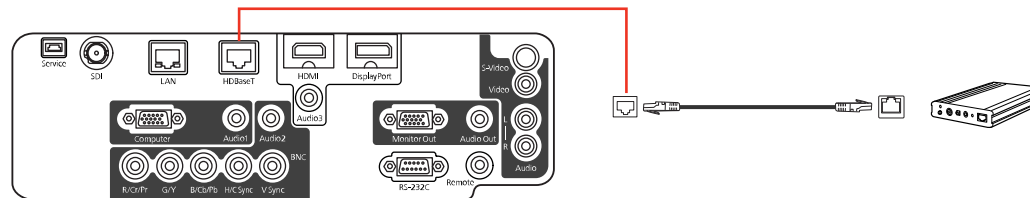
See the documentation that came with the HDBaseT transmitter for instructions on connecting it to your video device or computer.

4. Turn on the projector and HDBaseT transmitter.

Note: 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 an External Computer Monitor

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

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

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

1. Make sure your computer is connected to the projector's **Computer** or **BNC** port.

2. Connect the external monitor's cable to your projector's **Monitor Out** port.
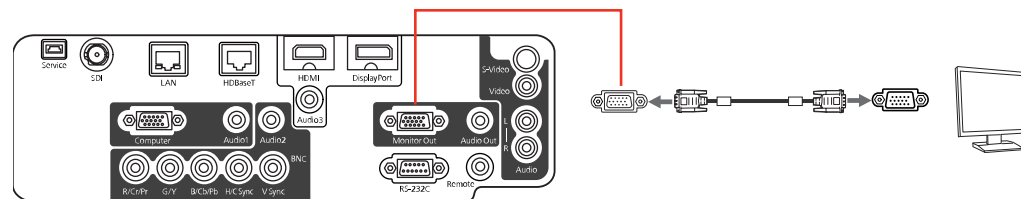
Note: If you do not see an image on the external monitor, you may need to change the **Monitor Out** setting in the Extended menu. Only analog RGB signals from the **Computer** or **BNC** port can be output to an external monitor.

Parent topic: Projector Connections

Related references

Projector Setup Settings - Extended Menu

Connecting to External Speakers

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

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

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

Note: The projector's built-in speaker system (PowerLite Pro G6070W/G6170/G6270W/G6470WU/G6570WU/G6770WU) is disabled when you connect external speakers.

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

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

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

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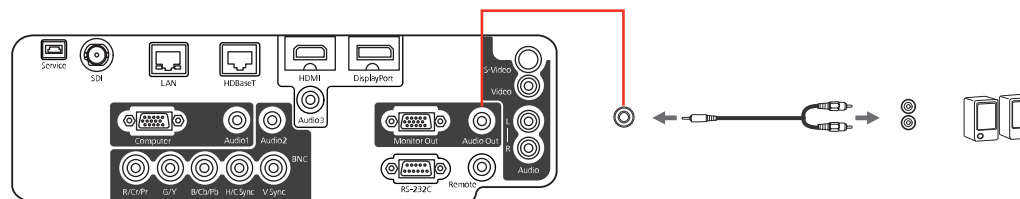
Parent topic: Projector Connections

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.

Attaching the Lens Unit

Removing the Lens Unit

Parent topic: Setting Up the Projector

Attaching the Lens Unit

You can attach a compatible lens to the projector.

Caution: Place the projector so it faces to the side or down to attach a lens to help prevent dirt or dust from entering the projector and lowering the projection quality. Be sure to attach only a compatible lens. Avoid touching the lens with your bare hands to prevent fingerprints on or damage to the lens surface.

1. Turn the focus ring as shown until it stops.
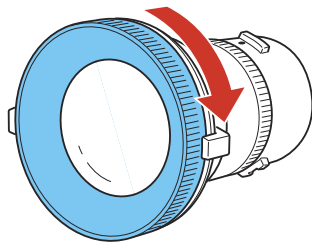
Note: If you installed the projector facing up at an angle of 35 to 150° or down at an angle of –35 to –150°, tighten the lens torque ring, but not too tightly. Over-tightening the torque ring can cause it to malfunction.
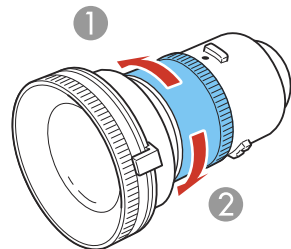
1	Tighten
2	Loosen

2. Hold the lens unit with the white dot facing up. Insert the lens unit straight into the projector's lens socket and turn it clockwise until you hear it click into place.
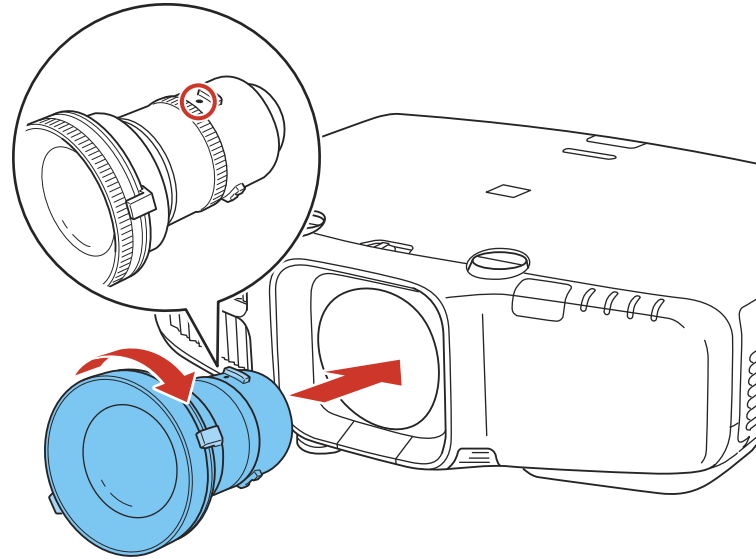
3. Insert the screw that came with the projector or the lens unit, and tighten it. This secures the lens unit release button and prevents the lens from accidentally being removed.
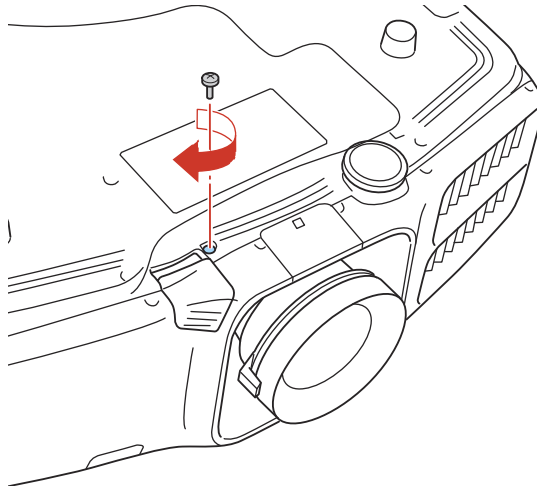
4. Set the **Lens Type** setting to the correct option in the projector's Extended menu.

Parent topic: Attaching and Removing a Lens

Related tasks

Setting the Lens Type

Removing the Lens Unit

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

Caution: Remove the lens unit only when necessary to prevent 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. Center the lens using the lens shift dials.

2. Remove the screw securing the lens unit release button.
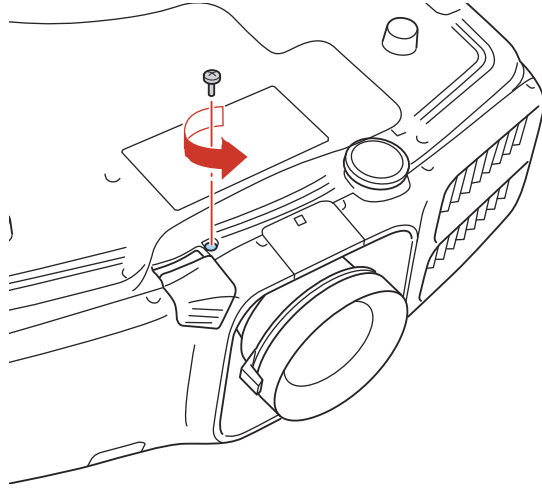
3. Press and hold the lens unit release button as you turn the lens unit counterclockwise until you hear it click.
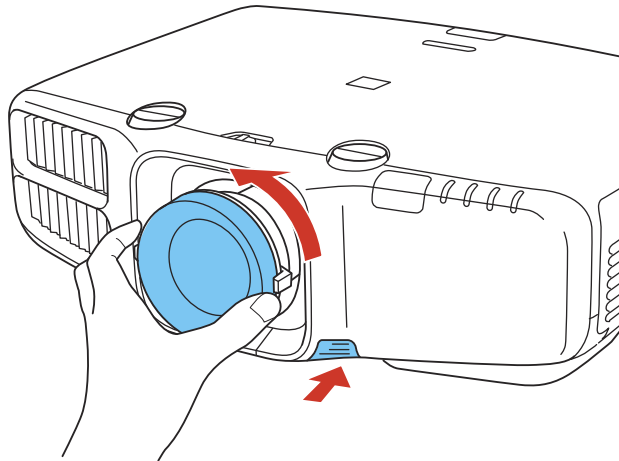
4. Gently pull the lens unit straight out of the projector.

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).
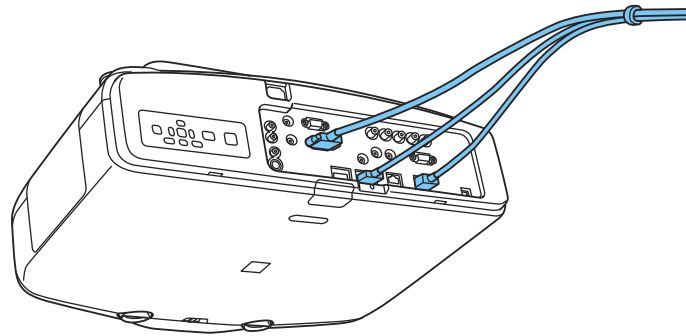
2. Place the cable cover on the projector as shown, guiding the cables through the notch on the base of the cable cover.
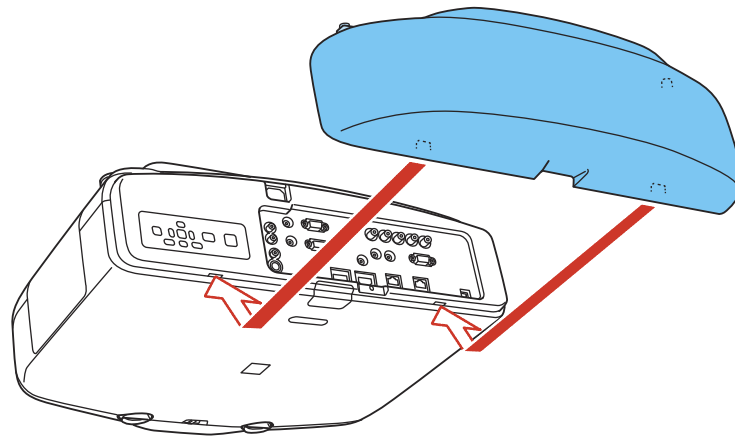
3. Tighten both cable cover screws.
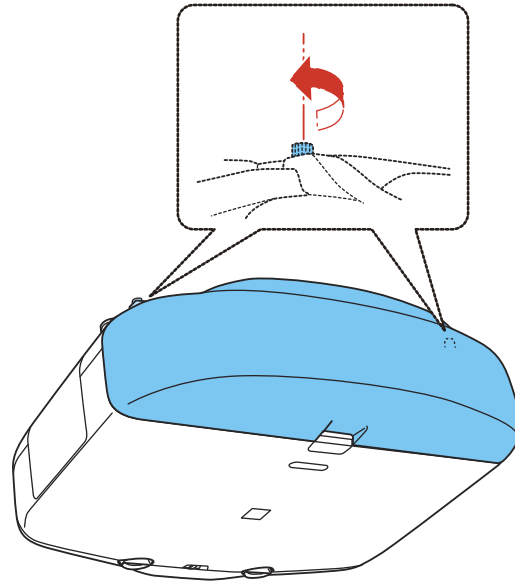
To remove the cover, loosen both screws and pull the cover off of the projector.

Parent topic: Setting Up the Projector

Attaching and Removing the Cable Clips

You can install the cable clips that came with your projector to provide additional support to the power and HDMI cables.

Note: The PowerLite Pro G6070W/G6170/G6270W/G6470WU/G6570WU/G6770WU come with one cable clip.

1. Connect the power and HDMI cables to the projector.

2. Insert the end of the cable clip anchors into the cable clip slots near the power inlet and **HDMI** port.
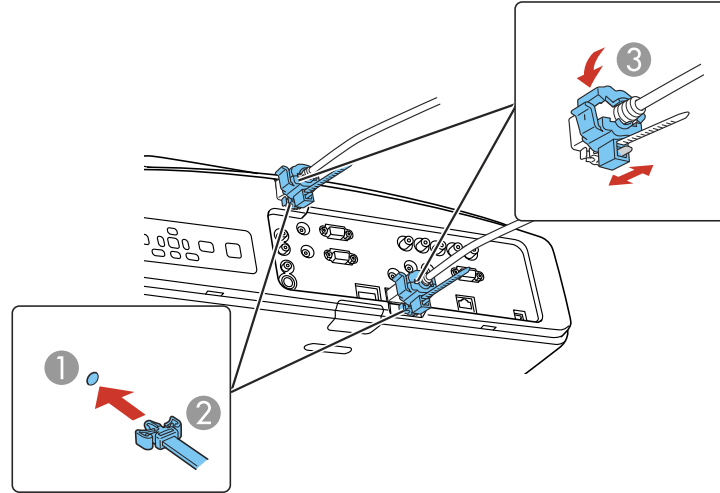
1	Cable clip slot
2	Cable clip anchor
3	Cable clip

3. Place the open cable clips around the power and HDMI cables, but don't lock them into place.

4. Slide each cable clip onto the anchors and lock the clips onto the power and HDMI connectors as shown.

To remove the cable clips, open the clips and disconnect the cables. Then pinch the sides of each cable clip anchor and carefully pull them out of the cable clip slots.

Parent topic: Setting Up the Projector

Related tasks

Connecting to a Computer for HDMI Video and Audio
Connecting to an HDMI Video Source

Installing Batteries in the Remote Control

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

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

1. Remove the battery cover.
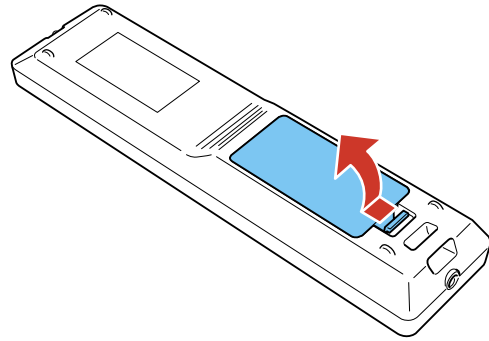
2. Insert the batteries with the **+** and **–** ends facing as shown.
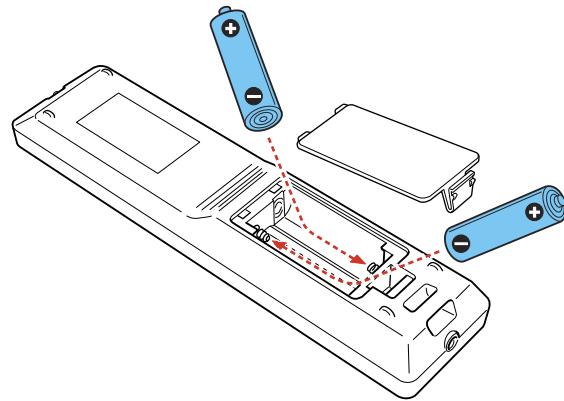
3. Replace the battery cover and press it down until it clicks into place.
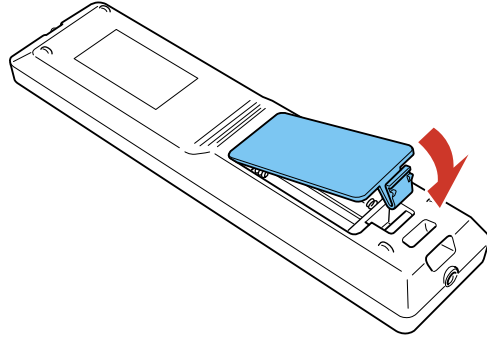
Warning: Dispose of used batteries according to local regulations. Do not expose batteries to heat or flame. Keep batteries out of the reach of children; they are choking hazards and are very dangerous if swallowed.

Parent topic: Setting Up the Projector

Using the Projector on a Network

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

Wired Network Projection

You can send images to your projector through a wired network (PowerLite Pro G6070W/G6170/G6270W/G6470WU/G6570WU/G6770WU). To do this, you connect the projector to your network, and then set up your projector and computer for network projection.

After connecting and setting up the projector as described here, install the network software from the *Epson Projector Software* CD or download the software as necessary. Use the following software and documentation to set up, control, and monitor network projection:

- EasyMP Network Projection software sets up your computer for network projection (PowerLite Pro G6070W/G6170/G6270W/G6470WU/G6570WU/G6770WU). See the *EasyMP Network Projection Operation Guide* for instructions.

- EasyMP Monitor software (Windows only) 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.) or epson.ca/support (Canada) and select your projector.

- EasyMP Network Updater software (Windows only) allows you to update firmware for a projector over a wired LAN. See the *EasyMP Network Updater Operation Guide* for instructions. You can download the latest software and documentation from the Epson web site. Go to epson.com/support (U.S.) or epson.ca/support (Canada) and select your projector.

- Projection from iOS or Android devices using the free Epson iProjection app (if your projector is connected via a LAN cable to a network that includes a wireless access point) [PowerLite Pro G6070W/G6170/G6270W/G6470WU/G6570WU/G6770WU]; visit epson.com/projectorapp (U.S.) or epson.ca/projectorapp (Canada) for more information.

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 EasyMP Network Projection software (PowerLite Pro G6070W/G6170/G6270W/G6470WU/G6570WU/G6770WU).

Connecting to a Wired Network
Selecting Wired Network Settings

Parent topic: Using the Projector on a Network

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 5e shielded cable or better.

1. Connect one end of the network cable to your network hub, switch, or router.

2. Connect the other end of the cable to the projector's **LAN** port.
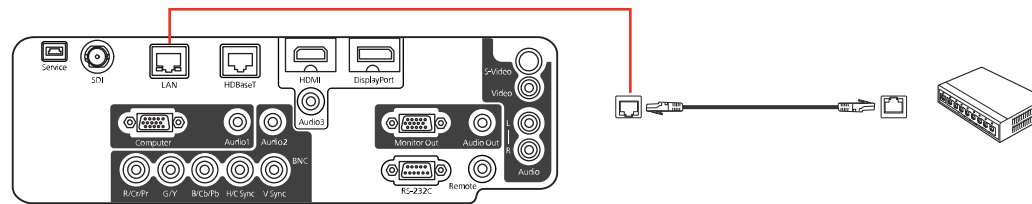
Parent topic: Wired Network Projection

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.

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

Image		Return ↵
Signal	Net. Info. - Wireless LAN	
Settings	Net. Info. - Wired LAN	
Extended	Network Configuration	
Network ↵		
Info		
Reset		

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

Network settings

		Return
Basic ↵	Projector Name	EB286EB1
Wireless LAN	Web Remote Password	
	Projector Keyword	On Off
Security		
Wired LAN		
Administrator Setting		
Reset		
Setup complete		

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.

   - **Web Remote Password** (PowerLite Pro G6070W/G6170/G6270W/G6470WU/G6570WU/G6770WU) or **Web Control Password** (PowerLite Pro G6870/G6970WU) lets you enter a password up to 8 alphanumeric characters long for accessing the projector over the web. (Default user name is **EPSONWEB**; default password is **admin**.)

   - **Projector Keyword** (PowerLite Pro G6070W/G6170/G6270W/G6470WU/G6570WU/G6770WU) lets you turn on a security password to prevent access to the projector by anyone not in the room with it. You must enter a displayed, randomized keyword from a computer using the EasyMP Network Projection software to access the projector.

   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**.
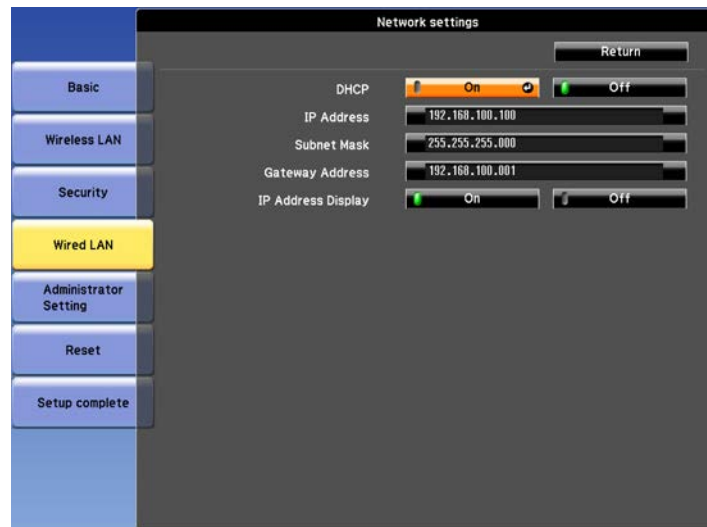
8. Select your IP Settings as necessary:

   - 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. When you finish selecting settings, select **Setup 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 send images to your projector through a wireless network (PowerLite Pro G6070W/G6170/G6270W/G6470WU/G6570WU/G6770WU). To do this, you must install the optional Epson 802.11b/g/n wireless LAN module, and then set up your projector and computer for wireless projection.

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 EasyMP Network Projection software without the need for the optional wireless module.

After installing the module and setting up the projector, install the network software from the *Epson Projector Software* CD or download the software, as necessary. Use the following software and documentation to set up, control, and monitor wireless projection:

- EasyMP Network Projection software sets up your computer for wireless network projection. See the *EasyMP Network Projection Operation Guide* for instructions.

- EasyMP Monitor software (Windows only) 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.) or epson.ca/support (Canada) and select your projector.

- EasyMP Multi PC Projection software allows you to hold interactive meetings by projecting the computer screens of users over a network. See the *EasyMP Multi PC Projection Operation Guide* for instructions.

- Projection from iOS or Android devices with the wireless LAN module and free Epson iProjection app; visit epson.com/projectorapp (U.S.) or epson.ca/projectorapp (Canada) for more information

Installing the Wireless LAN Module

Using Quick Wireless Connection (Windows Only)

Parent topic: Using the Projector on a Network

Installing the Wireless LAN Module

To use the projector over a wireless network, install the 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 green 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. Slide the air filter cover latch and open the air filter cover.
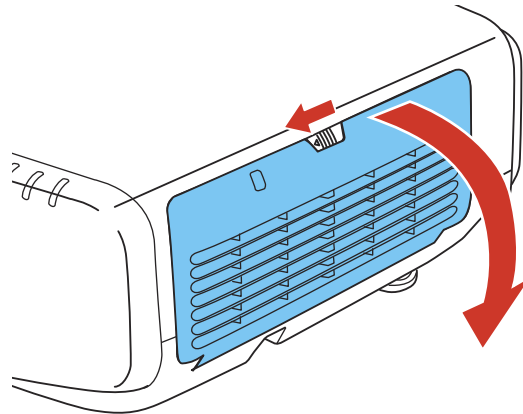
3. Remove the screw securing the wireless LAN module stopper, then remove the stopper.
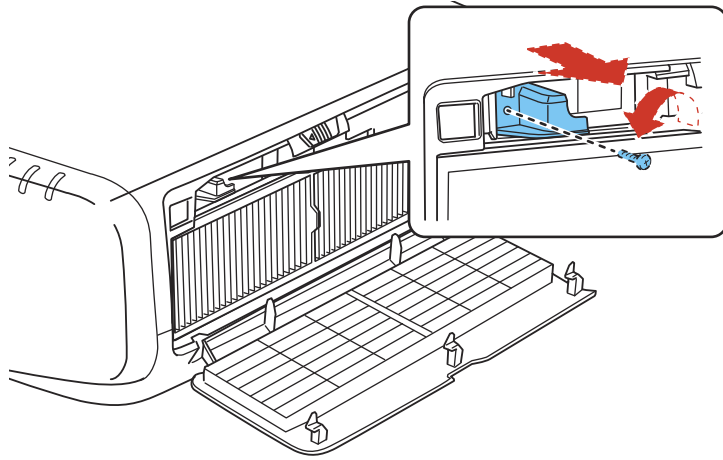
4. Insert the wireless LAN module into the port.
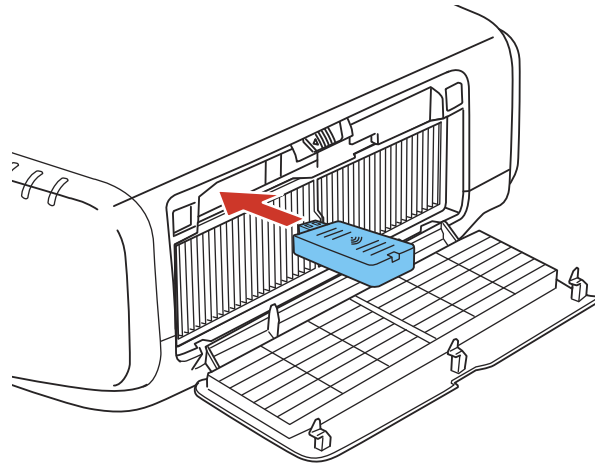
5. Replace the wireless LAN module stopper and secure it using the screw you removed.
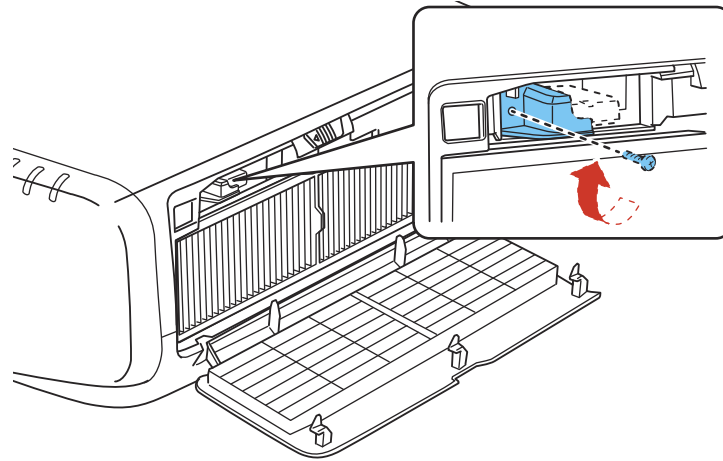
6. Close the air filter cover.

7. Plug in and turn on the projector.

Parent topic: Wireless Network Projection

Related references

Optional Equipment and Replacement Parts

Using Quick Wireless Connection (Windows Only)

You can use the Quick Wireless Connection USB key to quickly connect your computer to the projector wirelessly (PowerLite Pro G6070W/G6170/G6270W/G6470WU/G6570WU/G6770WU). Then you can project your presentation and remove the key when you are done.

Note: The Quick Wireless Connection USB key is not included with your projector and is optional.

Note: Make sure the wireless LAN module is installed. The wireless LAN module is not included with your projector and is optional.

1. Turn on the projector.

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

You see a screen like this:

```
[LAN]

Projector Name      : EB-XXXXX
SSID                :
IP Address  ⊥       :
IP Address  ((ᵖ))   :
Keyword             :
```
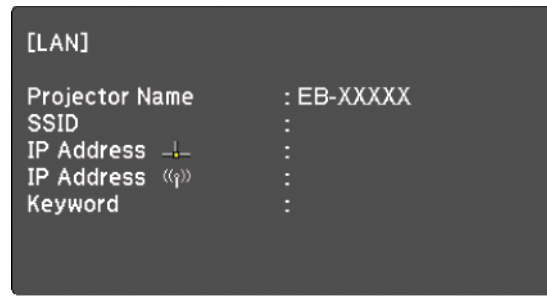
3. Verify that an SSID and IP address are displayed, then remove the wireless LAN module from the projector.

4. Insert the Quick Wireless Connection USB key into the same port used for the wireless LAN module.
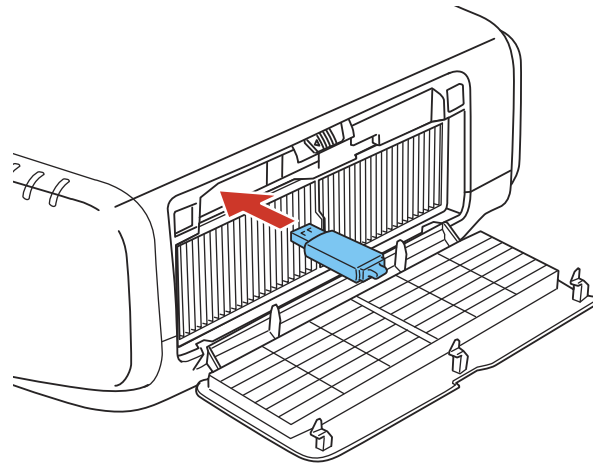
You see a projected message that the network information update is complete.

5. Remove the USB key.

6. Reinsert the wireless LAN module into the projector.

7. Connect the USB key to a USB port on your computer or laptop.

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

8. Follow the on-screen instructions to install the Quick Wireless Connection driver.

   Note: If you see a Windows Firewall message, click **Yes** to disable the firewall for this application.

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

9. Run your presentation as necessary.

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

    Note: You may need to restart your computer to reactivate your wireless LAN connection.

Parent topic: Wireless Network Projection

Related references

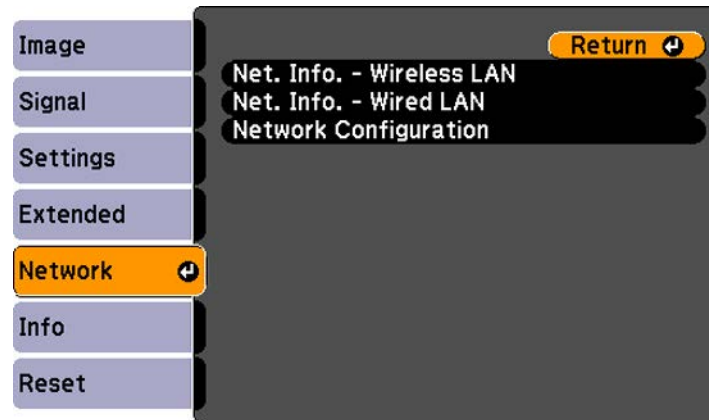Optional Equipment and Replacement Parts

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.
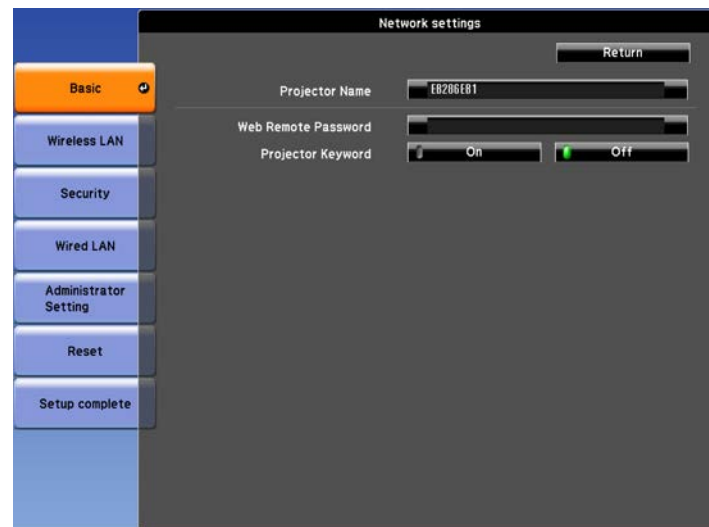
1. Turn on the projector.

2. Press the **Menu** button.

3. Select the **Network** menu and press **Enter**.
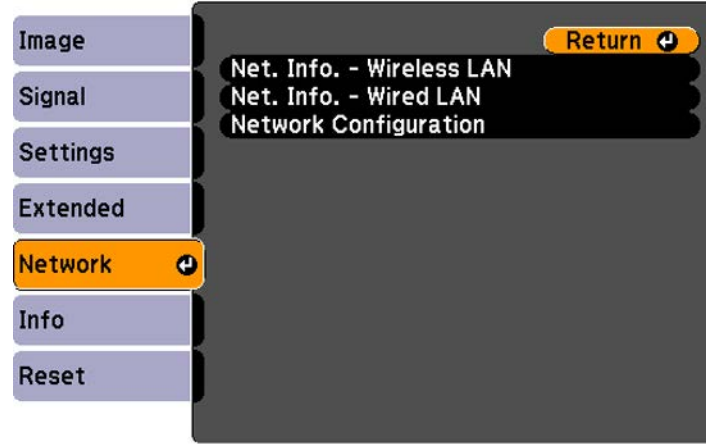
4. Select **Network Configuration** and press **Enter**.
5. Select the **Basic** menu and press **Enter**.
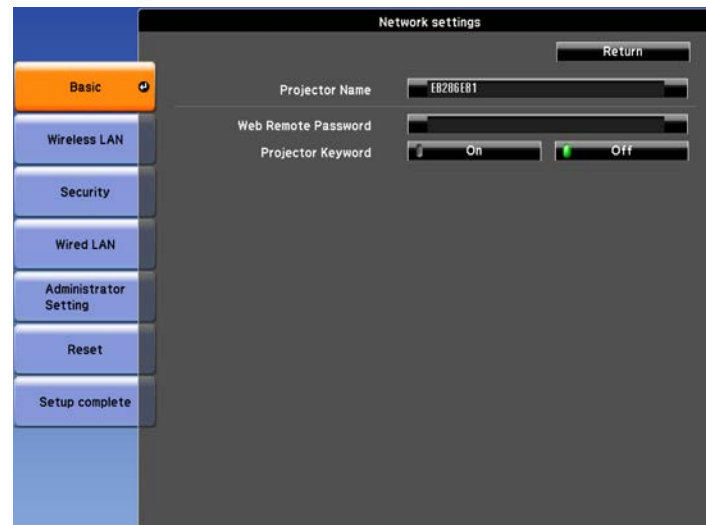
6. Select the following basic options as necessary:

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

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

- **Projector Keyword** lets you turn on a security password to prevent access to the projector by anyone not in the room with it. The projector displays a random keyword that you must enter from a computer using the EasyMP Network Projection software or an iOS or Android device using iProjection.

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 **Wireless LAN** menu and press **Enter**.
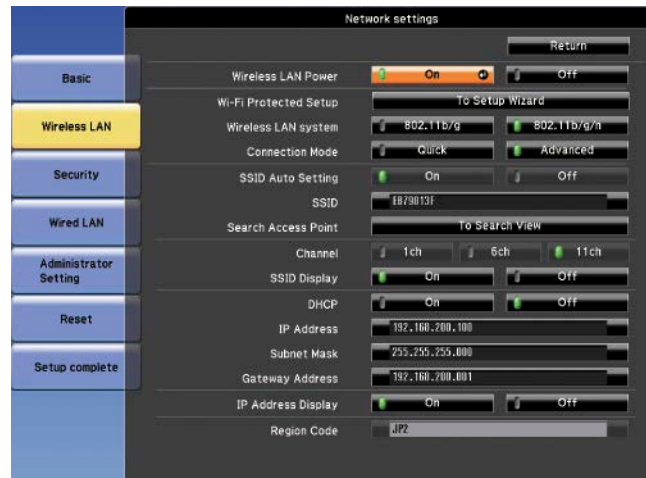
8. Select the settings on the **Wireless LAN** menu as necessary for your network.

9. When you finish selecting settings, select **Setup 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.

Parent topic: Wireless Network Projection

Wireless LAN Menu Settings

Setting	Options	Description
Wireless LAN Power	**On** **Off**	Turns wireless LAN support on and off
Wi-Fi Protected Setup	**To Setup Wizard**	Select **To Setup Wizard** to start the WPS Connection Setup utility
Wireless LAN System	**802.11b/g** **802.11b/g/n**	Sets the type of wireless LAN system the projector is connecting to
Connection Mode	**Quick** **Advanced**	Selects the type of wireless connection: **Quick**: lets you quickly connect to one computer or use the optional Quick Wireless Connection USB key to connect If you set the **SSID Auto Setting** setting to **On**, the projector becomes an easy access point; if you set it to **Off**, the network is created in Ad hoc mode. **Advanced**: lets you connect to multiple computers via a wireless network access point (infrastructure mode)
SSID Auto Setting	**On** **Off**	Turns on automatic SSID searching in **Quick** connection mode; set to **Off** when connecting to multiple projectors at the same time; set to **On** when connecting in **Quick** connection mode with an Android device using iProjection

Setting	Options	Description
SSID	Up 32 alphanumeric characters	Sets the SSID (network name) of the wireless LAN system the projector is connecting to
Search Access Point	To Search View	Search for available wireless network access points in **Advanced** connection mode
Channel	1ch 6ch 11ch	In **Quick** connection mode, selects the frequency band (channel) used by the wireless LAN
SSID Display	On Off	Selects whether to display the SSID on the network standby screen
DHCP	On Off	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**
IP Address	—	View or change the projector's IP address
Subnet Mask	—	View or change the projector's Subnet Mask
Gateway Address	—	View or change the IP address for the projector's gateway
IP Address Display	On Off	Selects whether to display the IP address on the network standby screen

Parent topic: Selecting Wireless Network Settings Manually

Selecting Wireless Network Settings in Windows

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

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

2. Do one of the following:

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

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

3. Click **Connect**.

Parent topic: Wireless Network Projection

Selecting Wireless Network Settings in OS X

Before connecting to the projector, select the correct wireless network in OS X.

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

Enabling WPA or EAP Security

Set up the WPA or EAP security settings to match your network's settings. Check with your network administrator for guidance on entering the correct information.

1. Turn on the projector.

2. Press the **Menu** button.

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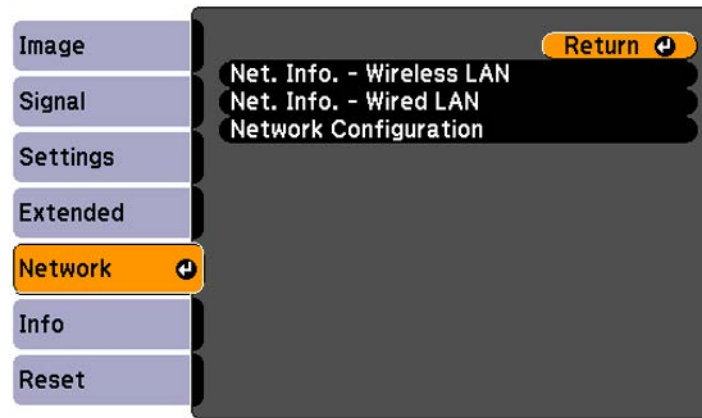
4. Select **Network Configuration** and press **Enter**.
5. Select the **Security** menu and press **Enter**.

6. Select a **WPA** or **EAP** setting from the drop-down menu.

7. Select the settings on the security menu as necessary for your network.

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

Wireless Security Menu Settings

Parent topic: Wireless Network Projection

Wireless Security Menu Settings

Settings on the Security menu let you select the type of security and security settings that match the network you are connecting the projector to.

Setting	Options	Description
Security	**Open** **WPA2-PSK(AES)** **WPA/WPA2-PSK** **WPA/WPA2-EAP**	Selects the type of security used on the wireless network
Passphrase	Various passphrases from 8 to 63 characters	For WPA2-PSK and WPA/WPA2-PSK security, selects the pre-shared passphrase used on the network (You can enter up to 32 characters in the projector menu. To input more than 32 characters, use your Web browser.) In Quick mode, the initial passphrase is hidden. Change the passphrase to connect using Epson iProjection.
EAP Method	**PEAP** **PEAP-TLS** **EAP-TLS** **EAP-Fast** **LEAP**	For WPA/WPA2-EAP security, selects the protocol for authentication

Setting	Options	Description
User name	Various user names up to 64 characters	For WPA/WPA2-EAP security, selects the user name; automatically detected when using the **PEAP-TLS** or **EAP-TLS** EAP methods (You can enter up to 32 characters in the projector menu. To input more than 32 characters, use your Web browser.)
Password	Various passwords up to 64 characters	For WPA/WPA2-EAP security, selects the password for EAP authentication (You can enter up to 32 characters in the projector menu. To input more than 32 characters, use your Web browser.)
Client Certificate	—	For WPA/WPA2-EAP security, displays the certificate's **Issued to**, **Issued by**, and **Validity period** if a client certificate has been set
Verify Server Certificate	**On** **Off**	For WPA/WPA2-EAP security, selects whether to verify the server certificate when a CA certificate has been set
CA certificate	—	For WPA/WPA2-EAP security, displays the certificate's **Issued to**, **Issued by**, and **Validity period** if a CA certificate has been set

Setting	Options	Description
Setting RADIUS Server Name	On Off	For WPA/WPA2-EAP security, selects whether to verify the authentication server name during certificate verification
RADIUS Server Name	Various server names up to 32 characters	For WPA/WPA2-EAP security, selects the server name to verify
Verify Exp. date of Server Cert.	On Off	For WPA/WPA2-EAP security, selects whether to verify the server certificate's validity period during certificate verification

Parent topic: Enabling WPA or EAP Security

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 (PowerLite Pro G6070W/G6170/G6270W/G6470WU/G6570WU/G6770WU).

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

Secure HTTP
Registering Digital Certificates from a Web Browser

Parent topic: Using the Projector on a Network

Secure HTTP

You can use the HTTPS protocol to increase security between the projector and a web browser communicating with it. To do this, you create a server certificate, install it on the projector, and turn on the **Secure HTTP** setting in the projector menus to verify the reliability of the web browser.

Even if you do not install a server certificate, the projector automatically creates a self-signed certificate and allows communication. However, because the self-signed certificate cannot verify reliability from a web browser, you see a warning about the server's reliability when you access the projector from a web browser. This warning does not prevent communication.

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 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 default password **admin**. (You can change the Web Control password using the projector's Network menu.)

6. Under **Network**, select the **Administrator Settings** option and select **Manage Certificates**.

   You see a screen like this:

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

8. Enter a password in the **Password** box.

9. Click **Set** to adjust the certificate validity period.

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

Digital Certificate Types for Registration via Web Control

Parent topic: Registering a Digital Certificate on the Projector

Digital Certificate Types for Registration via Web Control

You can register these types of digital certificates using the projector's Web Control feature.

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 32 alphanumeric characters; required

Server 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
Key length	512/1024/2048/4096 bit
Common name	Network host name
Organization	Optional
Password	Up to 32 alphanumeric characters; required

Parent topic: Registering Digital Certificates from a Web Browser

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. Do one of the following:

   • Select the **Mail** menu and press **Enter**. Turn on **Mail Notification**.

PowerLite Pro G6870/G6970WU
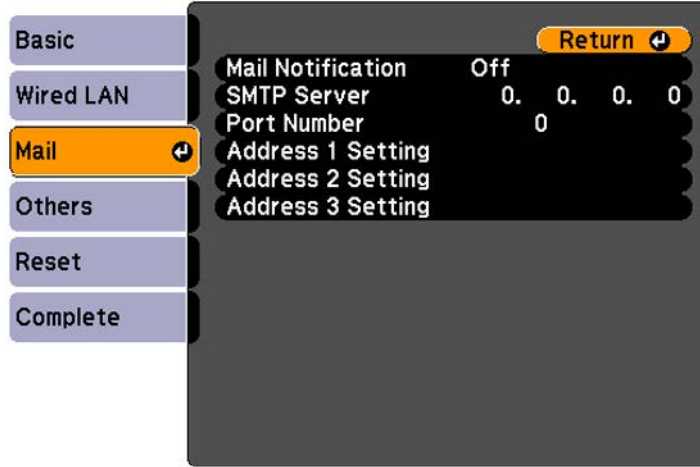
- Select the **Administrator Settings** menu and press **Enter**, then select **Mail Notification** and press **Enter**. Turn on **Mail Notification**.

PowerLite Pro G6070W/G6170/G6270W/G6470WU/G6570WU/G6770WU
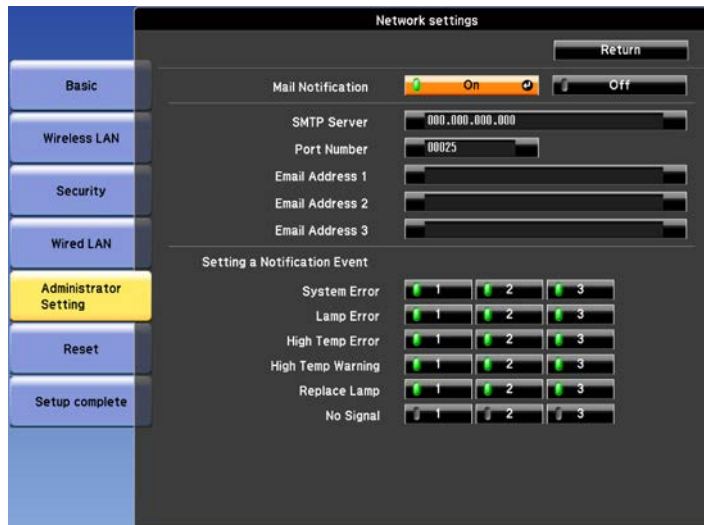
5. Enter the IP address for the **SMTP Server** option.

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

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

7. Choose an **Address** or **Email Address** field, enter the e-mail address, and select the alerts you want to receive there. Repeat for up to three addresses.

   Note: Your e-mail address can be up to 32 alphanumeric characters long.

8. When you finish selecting settings, select **Complete** or **Setup 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:

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

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

Parent topic: Setting Up Projector Network E-Mail Alerts

Setting Up Monitoring Using SNMP

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

1. Press the **Menu** button.

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

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

4. Do one of the following:

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

   PowerLite Pro G6870/G6970WU

Basic		Return ↵
Wired LAN	SNMP	Off
	Trap IP Address 1	0. 0. 0. 0
Mail	Trap IP Address 2	0. 0. 0. 0
	AMX Device Discovery	Off
Others ↵	Crestron RoomView	Off
	Control4 SDDP	Off
Reset	Bonjour	Off
	Message Broadcasting	Off
Complete		
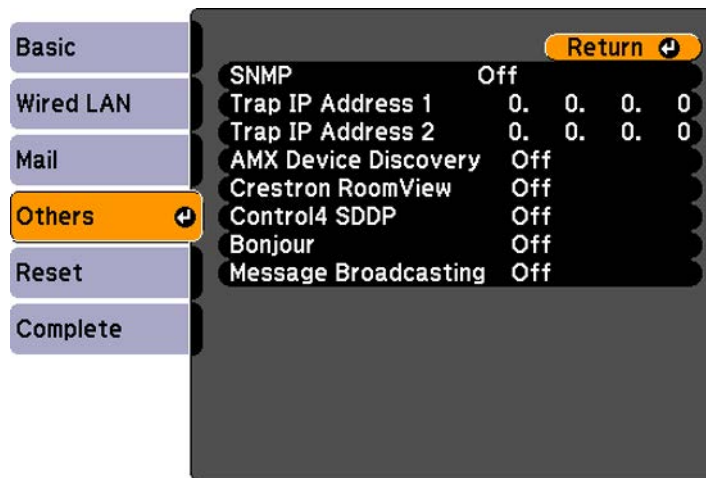
   • Select the **Administrator Setting** menu and press **Enter**, then select the **SNMP** menu and press **Enter**.

PowerLite Pro G6070W/G6170/G6270W/G6470WU/G6570WU/G6770WU

5. Enter up to two IP addresses to receive SNMP notifications, using 0 to 255 for each address field.

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

6. Enter a community name (PowerLite G6070W/G6170/G6270W/G6470WU/G6570WU/G6770WU). You can enter up to 32 single-byte alphanumeric characters.

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

Parent topic: Using the Projector on a Network

Selecting Other Network Settings

You can select other network setting options.

1. Press the **Menu** button.

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

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

4. Do one of the following:

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

  PowerLite Pro G6870/G6970WU
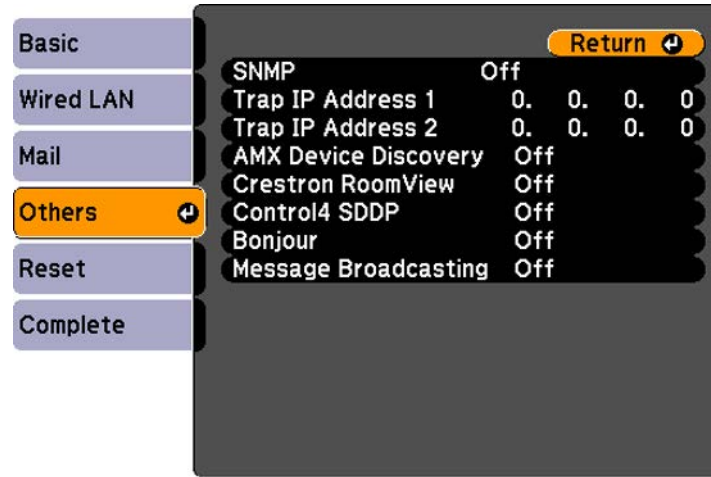
- Select the **Administrator Setting** menu and press **Enter**.

  PowerLite Pro G6070W/G6170/G6270W/G6470WU/G6570WU/G6770WU

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

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

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

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

8. If your network environment uses a Control4 or Control4 SDDP controller, turn on the **Control4 SDDP** setting to allow the projector to be detected.

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

10. When you finish selecting settings, select **Complete** or **Setup 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 8.0 or later, and Safari on networks that do not use a proxy server for connection. You cannot select all of the projector menu settings or control all projector functions using a web browser.

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

1. Make sure the projector is turned on.

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

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

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

You see the Web Control screen.

Note: If you connect from a web browser on a smartphone or tablet, a screen with two options is displayed. Select **remote** to display the Web Remote page, or select **config** to display the Web Control page.
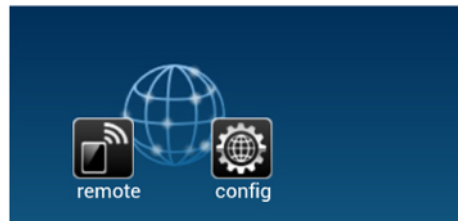
4. To select projector menu settings, select the name of the menu and follow the on-screen instructions.

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

   You see a screen like this:
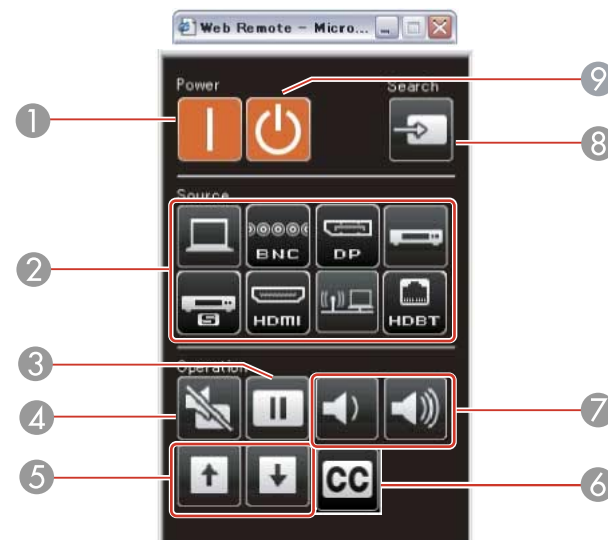
1	Power on button control
2	Input source selection controls (some buttons may not be available depending on your available projector ports)
3	**Freeze** button control
4	**A/V Mute** button control
5	**Page Up** and **Page Down** button controls
6	Closed caption control
7	**Volume** button controls
8	Source search control
9	**Standby** button control

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

Parent topic: Using the Projector on a Network

Related references
Projector Setup Settings - Extended Menu

Crestron RoomView Support

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

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

For additional information on Crestron RoomView, contact Crestron.

Setting Up Crestron RoomView Support
Controlling a Networked Projector Using Crestron RoomView

Parent topic: Using the Projector on a Network

Setting Up Crestron RoomView Support

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

Note: If you want to use the Crestron RoomView 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 (PowerLite Pro G6870/G6970WU) or the **Administrator Setting** menu (PowerLite Pro G6070W/G6170/G6270W/G6470WU/G6570WU/G6770WU) and press **Enter**.

    PowerLite Pro G6870/G6970WU
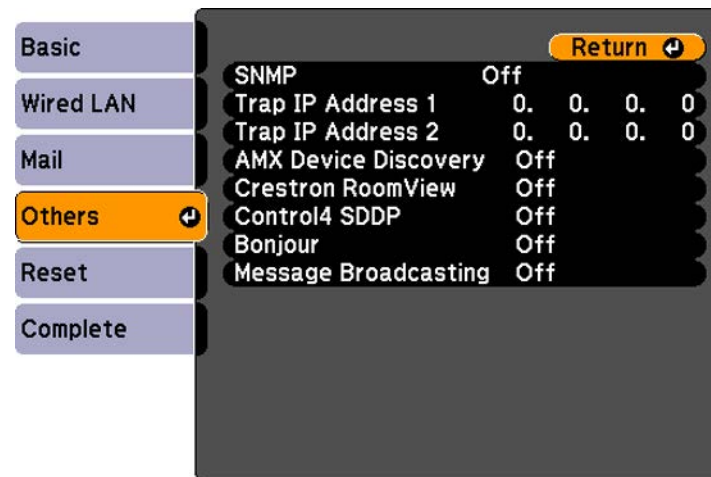
PowerLite Pro G6070W/G6170/G6270W/G6470WU/G6570WU/G6770WU
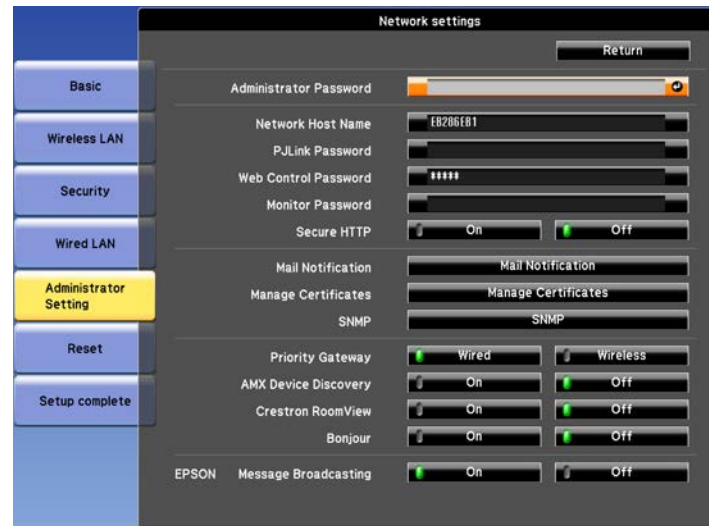
5. Set the **Crestron RoomView** setting to **On** to allow the projector to be detected.

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

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

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

Parent topic: Crestron RoomView Support

Controlling a Networked Projector Using Crestron RoomView

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

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

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

You see this screen:

3.   Select the input source that you want to control in the Sources List box. You can scroll through available sources using the up and down arrows in the box.

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

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

•   **OK** acts as the **Enter** button

•   **Menu** displays the projector's menu

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

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

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

Parent topic: Crestron RoomView Support

Using Basic Projector Features

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

Turning On the Projector

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

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

1. Connect the power cord to the projector's power inlet.
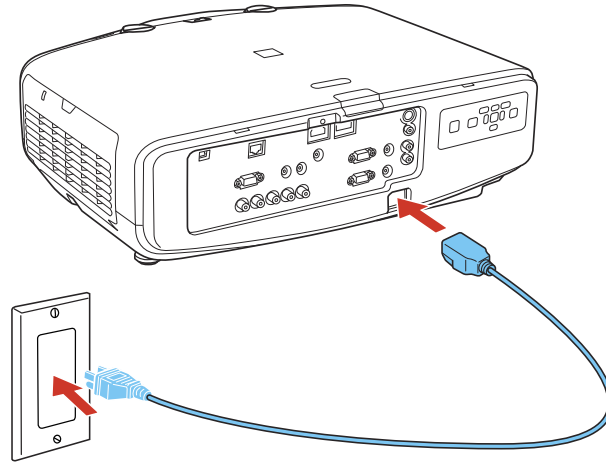
2. Plug the power cord into an electrical outlet.

   The projector's power light turns orange. This indicates that the projector is receiving power, but is not yet turned on (it is in standby mode).

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

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

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

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

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

- Turn on the connected computer or video device.
- Insert a DVD or other video media, and press the play button (if necessary).
- Press the **Source Search** button on the projector or the **Search** button on the remote control to detect the video source.

Related tasks

Turning Off the Projector

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

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

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

2. If you see a shutdown confirmation screen, press the power button on the projector or the **Standby** button on the remote control again. (To leave the projector on, press any other button.)

```
Power Off?

Yes: Press ⏻ button
No : Press any other button
```
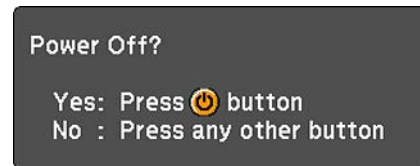
The projector beeps twice, the lamp turns off, and the power light turns orange.

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 power light is orange (but not flashing), then unplug the power cord.

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

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**.

Image		Return ⏎
	Display	
Signal	Closed Caption	Off
	User's Logo	
Settings	Projection	Front
	Direction	0 Degree
Extended ⏎	Operation	
	A/V Settings	
Network	Standby Mode	Communication Off
	HDBaseT	
Info	Multi-Projection	
	Schedule Settings	
Reset	Language 🌐	English
	Reset	
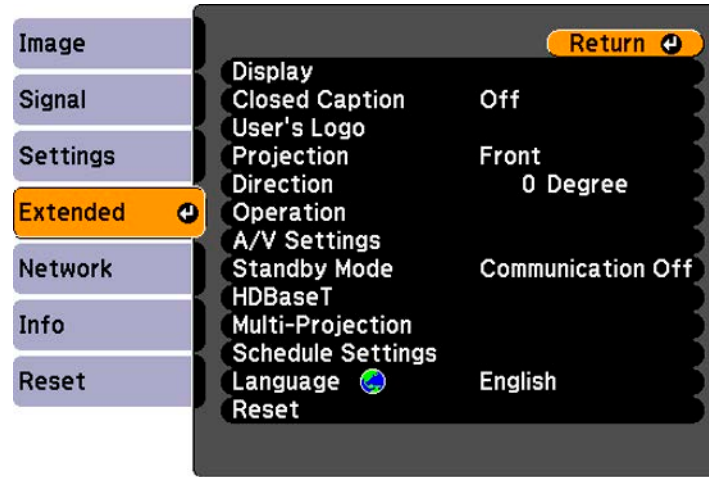
4. Select the **Language** setting and press **Enter**.

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

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

Parent topic:

Resizing the Image with the Zoom Ring

1. Turn on the projector and display an image. Wait 30 minutes after turning on the projector before setting the focus, zoom, and lens shift for maximum accuracy.

   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. To enlarge or reduce the image size, rotate the projector's zoom ring.
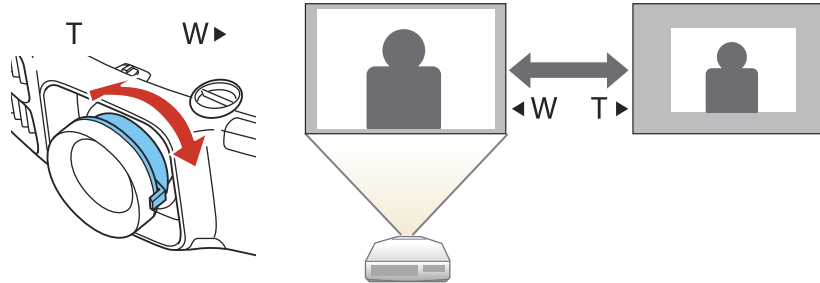
Parent topic: Using Basic Projector Features

Related references

Projector Setup Settings - Extended Menu

Related tasks

Displaying a Test Pattern

Focusing the Image Using the Focus Ring

1. Turn on the projector and display an image. Wait 30 minutes after turning on the projector before setting the focus, zoom, and lens shift for maximum accuracy.

   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. To sharpen the image focus, rotate the projector's focus ring.

Parent topic: Using Basic Projector Features

Related references
Projector Setup Settings - Extended Menu

Related tasks
Displaying a Test Pattern
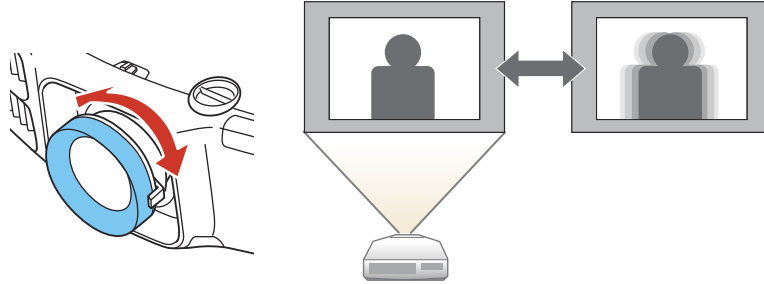
Focusing the Image with the Optional Short Throw Lens

If you installed the optional short throw lens (ELPLU01) and used the lens shift option to shift the lens, you can focus the image using the distortion and focus rings.

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. Carefully rotate the distortion ring all the way counter-clockwise.
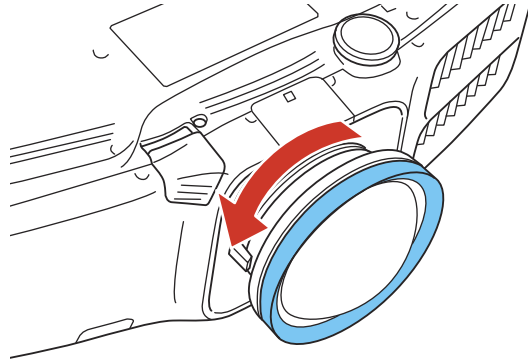
Note: Be careful not to shift the short throw lens when adjusting it to prevent the projected image from shifting.

3. Support the front of the lens with one hand and use the other to carefully rotate the focus ring until the center of the image is focused.
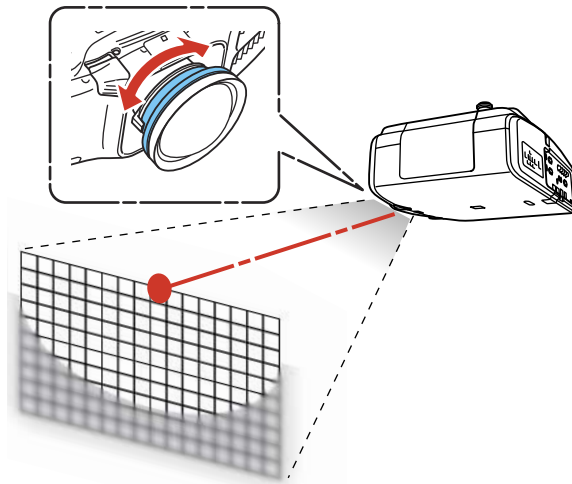
4. Rotate the distortion ring until the edges of the image are also focused.
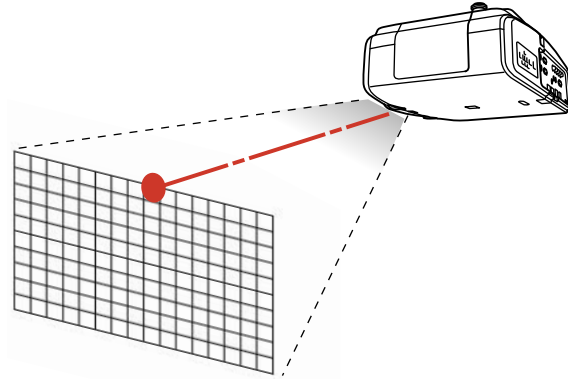
5. Rotate the focus ring again to focus the entire screen image.

6. If the center of the image out of focus, rotate the distortion ring again to bring the area into focus.

Parent topic: Focusing the Image Using the Focus Ring

Related references

Projector Setup Settings - Extended Menu

Related tasks

Displaying a Test Pattern

Setting the Lens Type

You can select the model number for the attached lens.

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** and press **Enter**.

5. Select **Lens Type** and press **Enter**.

You see this screen:

```
[Lens Type]              Return ↵

          ▌ELPLS07
          ▌ELPLU01
          ▌ELPLR03
          ▌ELPLM04
          ▌ELPLM05
          ▌ELPLL06
```
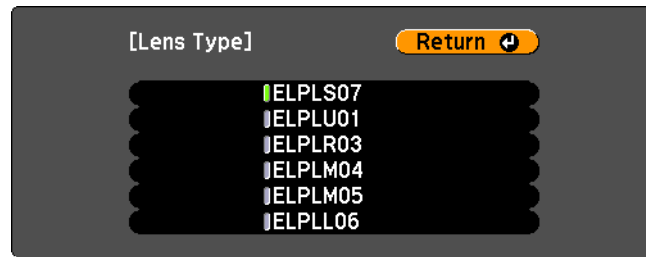
6.   Select your model number and press **Enter**.

7.   Press the **Menu** button to accept the changes.

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.

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:

```
[Screen Type]            Return ↵

          ▌4:3
          ▌16:9
          ▌16:10
```
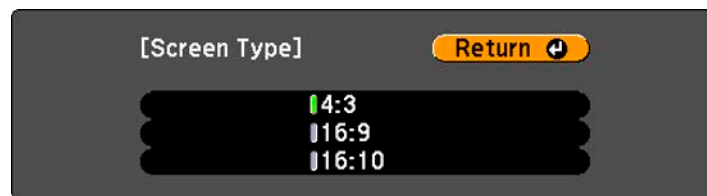
5.   Select your screen's aspect ratio and press **Enter**.

6.   Press the **Menu** button to accept the changes.

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 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 is set to **16:10** for a WXGA/WUXGA projector model or **4:3** for a XGA projector model.

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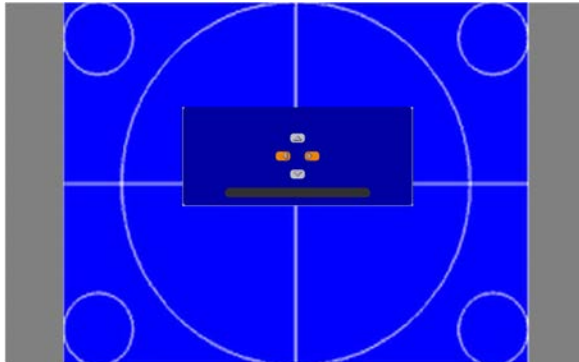
6. When you are finished, press the **Menu** button.

Parent topic: Using Basic Projector Features

Related tasks

Setting the Screen Type

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.

Follow these guidelines when using lens shift to adjust your images:

• When adjusting the image height, position the image lower than where you want it to be and then move it up using the vertical lens shift dial. This helps prevent the image from moving down after adjustment.

• Keep the vertical and horizontal lens shift dials in their center positions for the clearest picture.

Note: Wait 30 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. Slide the lens shift dial lock as shown to release the lock.
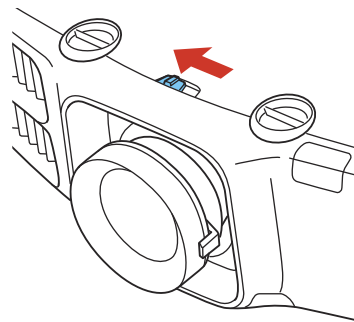
3. Turn the vertical and horizontal lens shift dials on the projector to adjust the position of the projected image as necessary.
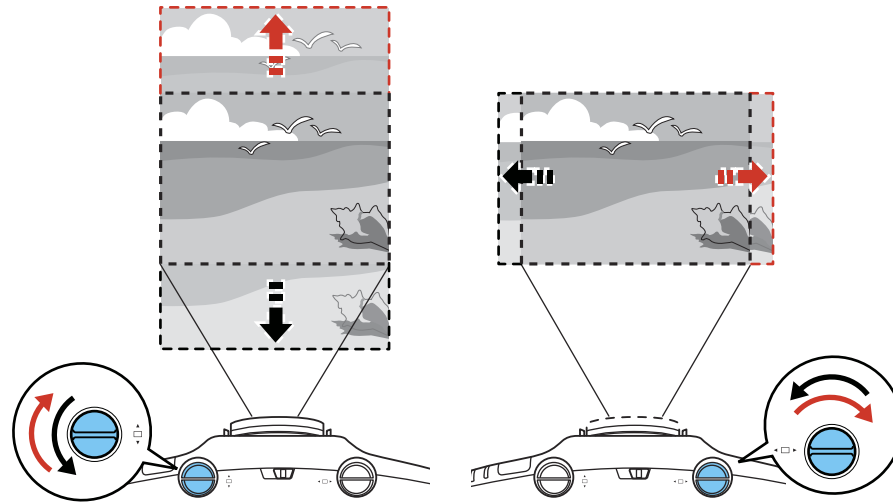
Note: You can move the image within the ranges shown below. You cannot move the image to both the horizontal and vertical maximum values.

PowerLite Pro G6070W/G6270W/G6470WU/G6570WU/G6770WU/G6970WU
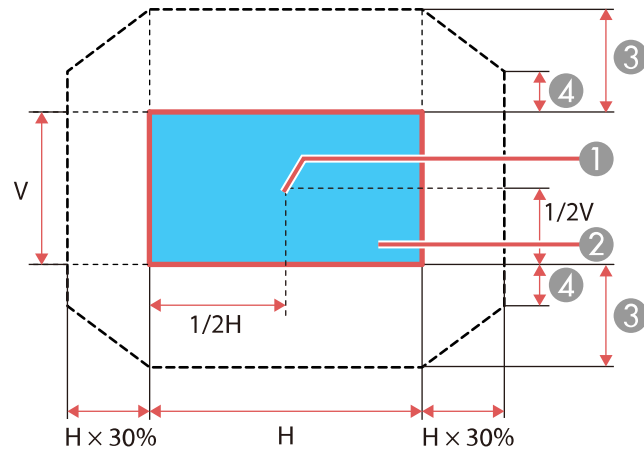
PowerLite Pro G6170/G6870
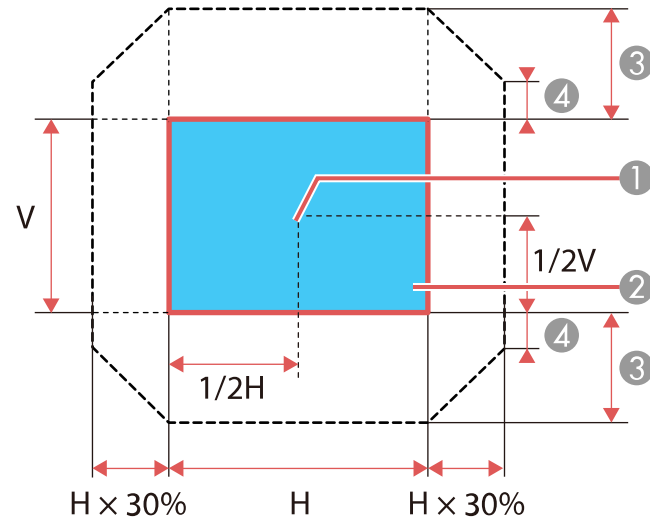
1   Center of lens

2   Projected image when lens shift is set in the center

3   Maximum vertical adjustment range:

     V × 67% (PowerLite Pro G6070W/G6270W/G6470WU/G6570WU/G6770WU/G6970WU)

     V× 57% (PowerLite Pro G6170/G6870)

4   Maximum vertical adjustment range with maximum horizontal adjustment:

     V × 27% (PowerLite Pro G6070W/G6270W/G6470WU/G6570WU/G6770WU/G6970WU)

     V× 19% (PowerLite Pro G6170/G6870)

4. When you are finished, slide the lens shift dial lock as shown to lock the dials.
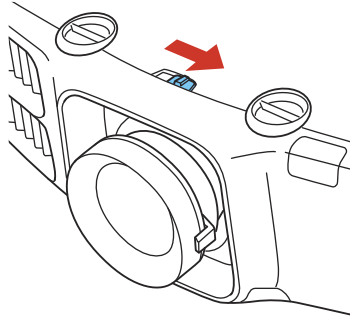
Parent topic: Using Basic Projector Features

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.

3. Press the left or right arrow buttons on the remote control or press **Enter** on the control panel to cycle through the available test patterns.
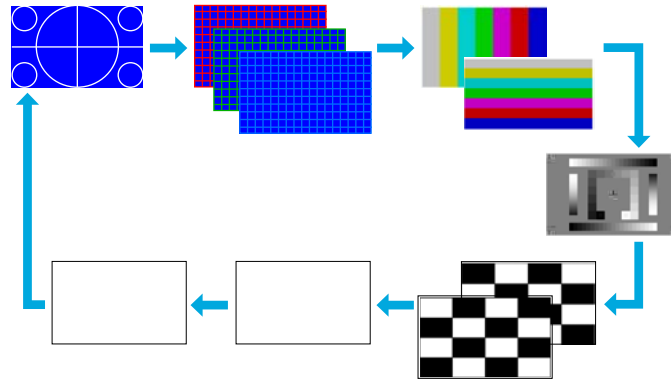
4. Adjust the image as necessary.

5. Press the **Esc** to exit the test pattern.

Available Test Pattern Image Adjustments

Parent topic: Using Basic Projector Features

Available Test Pattern Image Adjustments

You can make the following image adjustments while the test pattern is displayed.

Menu	Settings
Image	**Color Mode**
	Abs. Color Temp.
	Advanced • **Gamma**[1] • **RGB** • **RGBCMY**
Signal	**Auto Setup**
Settings	**Geometric Correction**

Menu	Settings
Extended	Multi-Projection • **Brightness Level** • **Edge Blending**[2] • **Multi-screen**

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

[2] Except for the **Black Level** setting (PowerLite Pro G6870/G6970WU)

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 foot to extend or retract it.
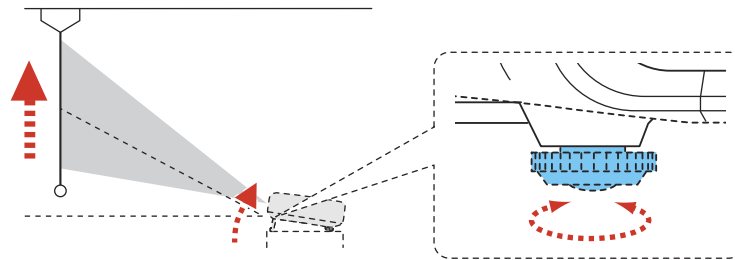
3. If the image is tilted, rotate the rear feet to adjust their height.
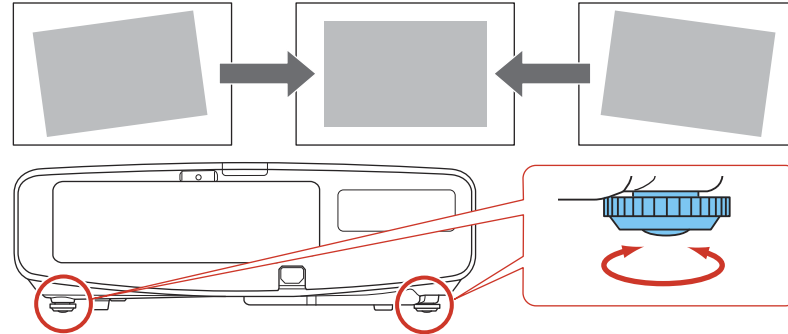
If the projected image is unevenly rectangular, you need to adjust the image shape.

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.

Note: You cannot combine multiple image adjustment methods, except adjusting the **Point Correction** setting after adjusting the **Curved Surface** or **Corner Wall** (PowerLite Pro G6870/G6970WU) settings.

Correcting Image Shape with H/V Keystone
Correcting Image Shape with Quick Corner
Correcting Image Shape with Arc Correction
Correcting Image Shape with Curved Surface
Correcting Image Shape with Point Correction
Correcting Image Shape with Corner Wall

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.
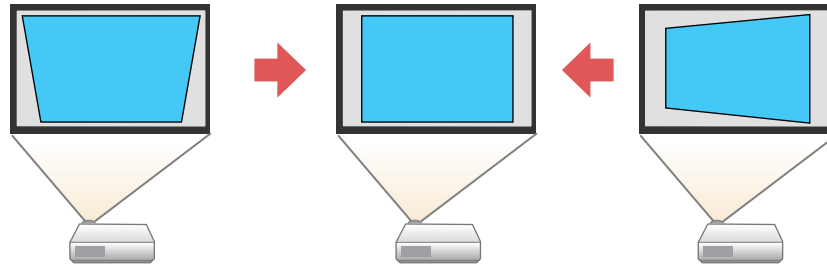
Note: For the best results, make sure the Lens Type setting in the projector's Extended menu is set correctly before making any keystone adjustments.

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**.

Image		Return ↵
	Geometric Correction	H/V-Keystone
Signal	Split Screen	
	Control Panel Lock	Full Lock
Settings ↵	Power Consumption	ECO
	Volume	0
Extended	Remote Receiver	Front/Rear
	User Button	
Network	Test Pattern	
	Memory	
Info	Reset	
Reset		
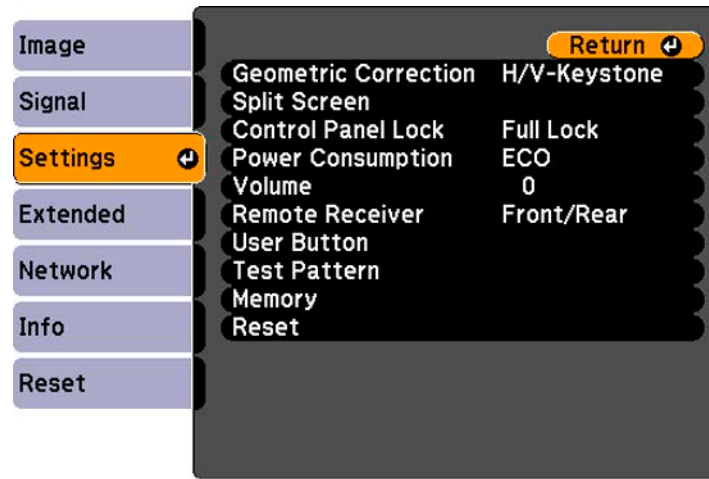
4. Select the **Geometric Correction** setting and press **Enter**.

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

You see the H/V-Keystone adjustment screen:

[H/V-Keystone]		Return ↵
V-Keystone	0	
H-Keystone	0	

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

    V-Keystone
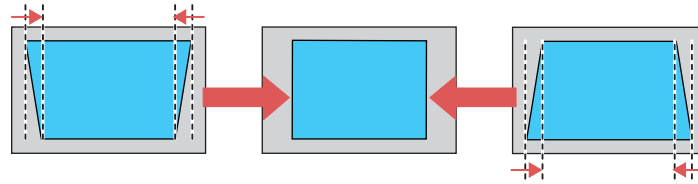
    H-Keystone
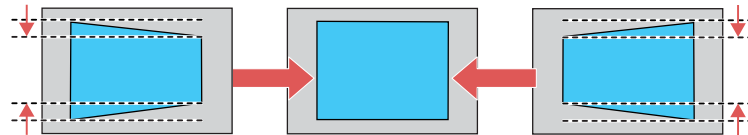
7. When you are finished, press **Esc**.

    After correction, your image is slightly smaller.

Parent topic: Image Shape

Related references

Projector Feature Settings - Settings Menu

Projector Setup Settings - Extended 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.
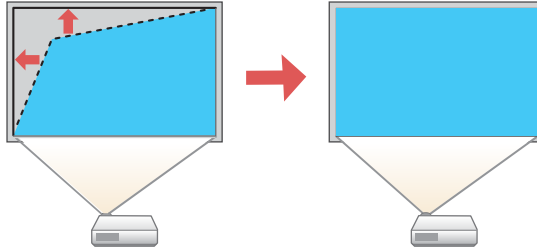
1. Turn on the projector and display an image.

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

   Note: You can also display 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**.

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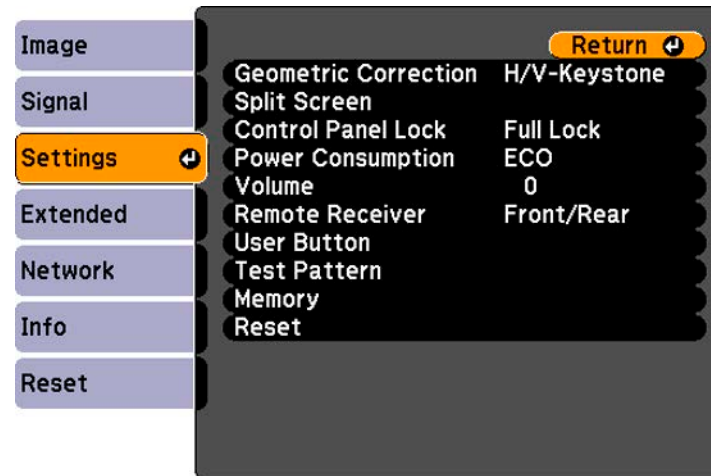
4. Select the **Geometric Correction** setting and press **Enter**.

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

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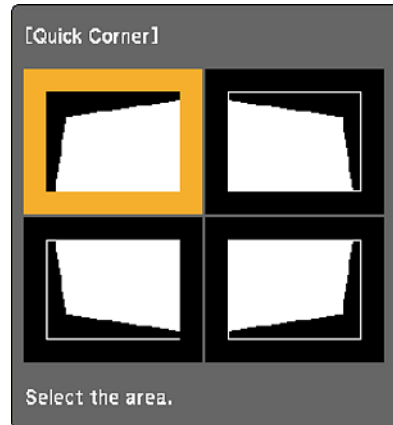
   Note: To reset your adjustments, press the **Esc** button for at least 2 seconds to display a reset screen, and select **Yes**.

6. Use the arrow buttons on the projector or the remote control to select the corner 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 Setup Settings - Extended Menu

Related tasks

Displaying a Test Pattern

Correcting Image Shape with Arc Correction

You can use the projector's Arc Correction setting to adjust the curve or arc of the sides of your image (PowerLite Pro G6070W/G6170/G6270W/G6470WU/G6570WU/G6770WU).

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**.

Image		Return ↵
	Geometric Correction	H/V-Keystone
Signal	Split Screen	
	Control Panel Lock	Full Lock
Settings ↵	Power Consumption	ECO
	Volume	0
Extended	Remote Receiver	Front/Rear
	User Button	
Network	Test Pattern	
	Memory	
Info	Reset	
Reset		

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

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

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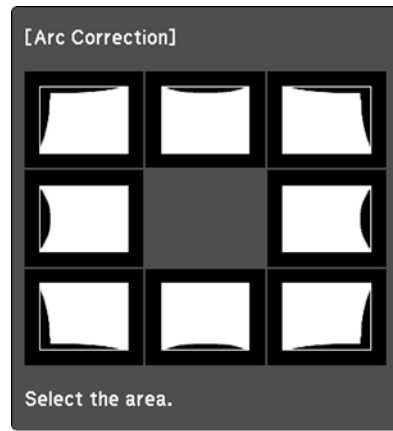
Note: To reset your adjustments, press the **Esc** button for at least 2 seconds to display a reset screen, and select **Yes**.

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

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

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

Parent topic: Image Shape

Related references

Projector Setup Settings - Extended 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 (PowerLite Pro G6870/G6970WU).
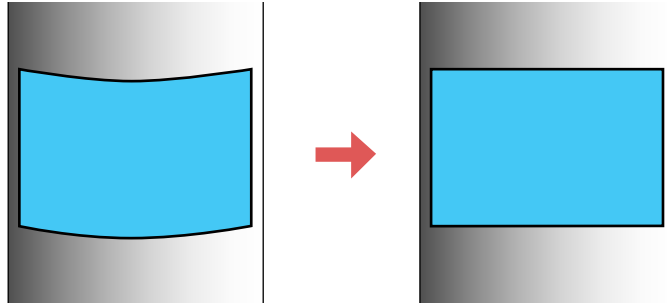
Note: For the best results, project from the front of the screen onto a surface with a uniform arc radius and with the lens centered horizontally using lens shift. The image may not be evenly focused throughout even after performing the steps here.

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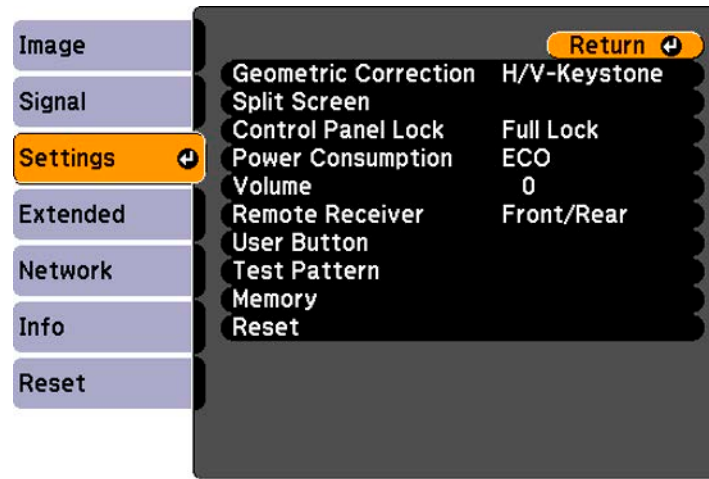
4. Select the **Geometric Correction** setting and press **Enter**.
5. Select the **Curved Surface** setting and press **Enter**.

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

   You see this screen:
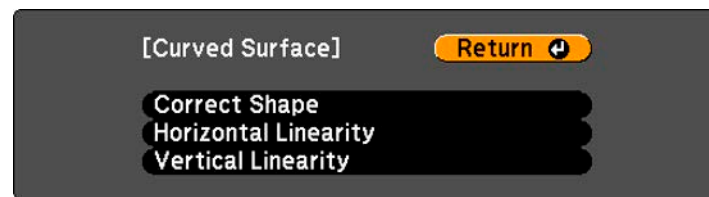
6. Select the **Correct Shape** setting and press **Enter**.

7. Use the arrow buttons on the projector or the remote control to select the area you want to adjust. Then press **Enter**.
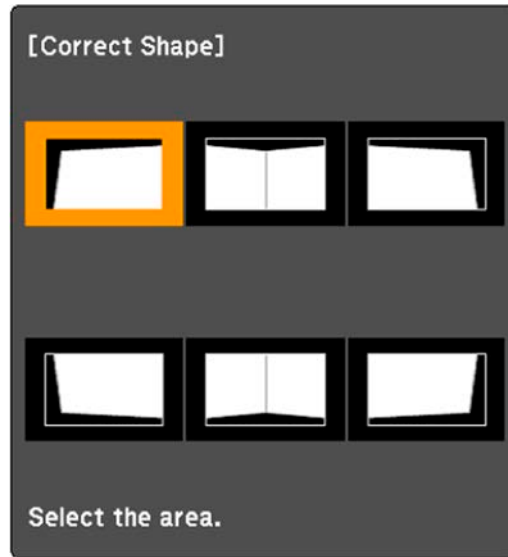
Note: To reset your adjustments, press the **Esc** button for at least 2 seconds to display a reset screen, and select **Yes**.

8. Use the arrow buttons on the projector to adjust the image shape.
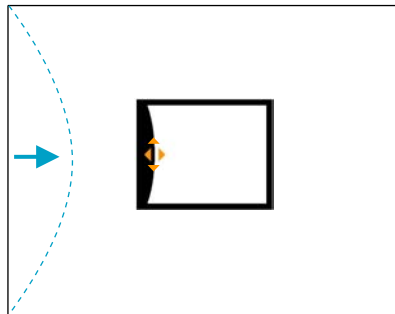
Note: If the adjustment triangle turns gray, you cannot adjust the shape any further in that direction.

9. Press the **Esc** button to return to the Curved Surface menu screen.

10. 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.

11. 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.

12. Select a displayed line to use as a baseline and press **Enter**.

    The selected baseline flashes red and white.

13. 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.
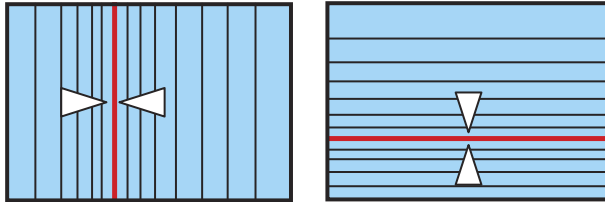
    - Press the right arrow button to expand the distance between the lines closest to the baseline.
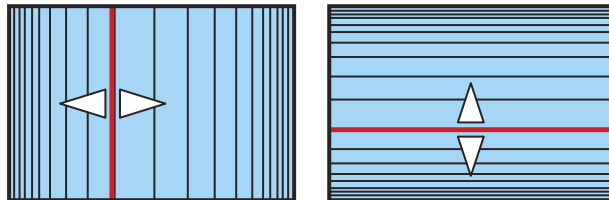
14. When you are finished, press **Menu**.

Note: If necessary, you can fine-tune the results of your Curved Surface adjustments using Point Correction.

Parent topic: Image Shape

Related references

Related tasks

Correcting Image Shape with Point Correction

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


1. Turn on the projector and display an image.

    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 **Geometric 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:

```
[Point Correction]          Return ↵

  Point Correction      3x3
  Pattern Color         White
  Reset
```

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

7. 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.

8. Use 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.
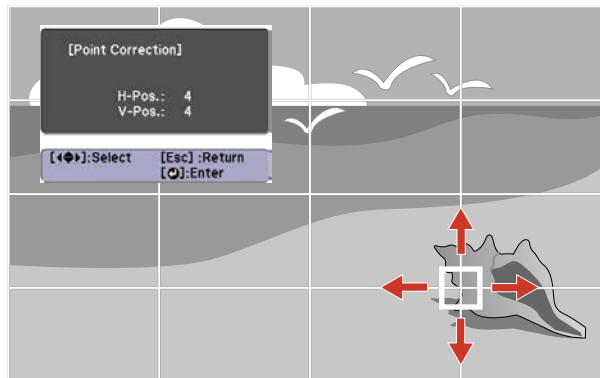
9. Use the arrow buttons to correct the image shape in all necessary directions.
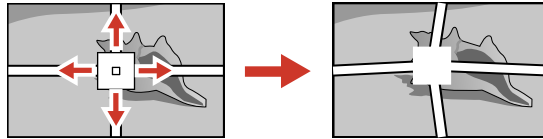
Note: You can press **Enter** to show or hide the image and grid to check the results.

10. Press **Esc** to return to the previous screen and select another point to correct, if necessary.

11. When you are finished, press **Menu**.

Parent topic: Image Shape

Related references

Projector Setup Settings - Extended Menu

Related tasks

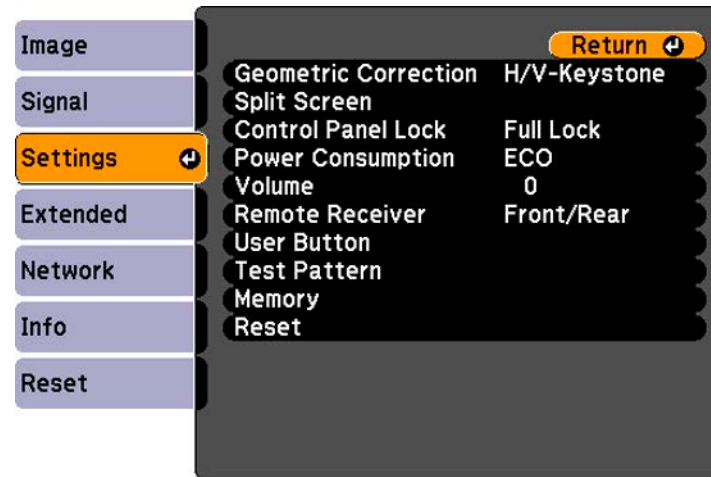Displaying a Test Pattern

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 (PowerLite Pro G6870/G6970WU).
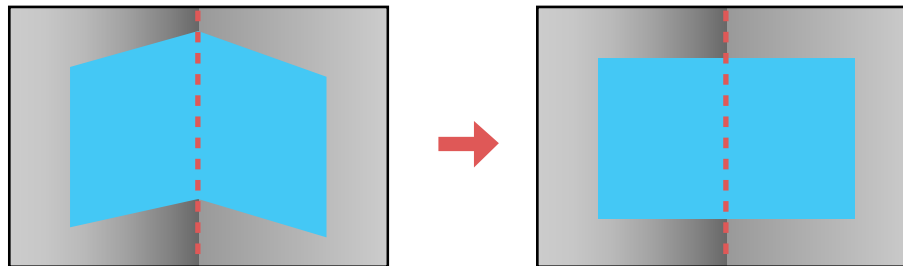
Note: For the best results, project from the front of the screen onto a right-angled surface with the lens centered horizontally using lens shift. The image may not be evenly focused throughout even after performing the steps here. If you are using the optional short throw lens (ELPLU01), you may not be able to adjust the Corner Wall setting.

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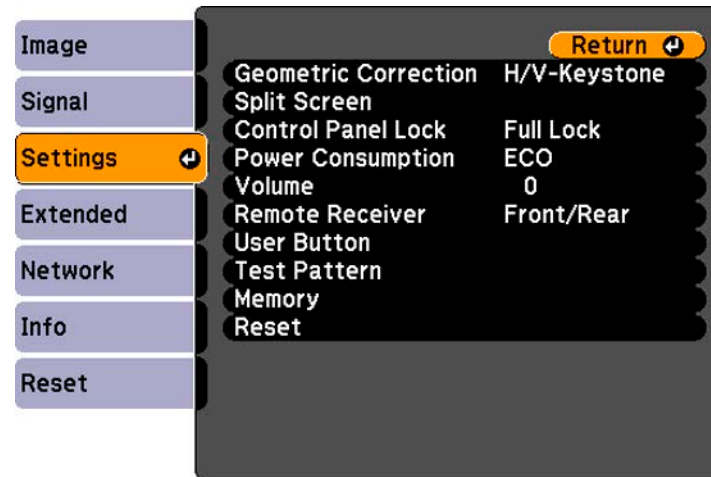
4. Select the **Geometric Correction** setting and press **Enter**.
5. Select the **Corner Wall** setting and press **Enter**.

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

You see this screen:

```
[Corner Wall]                    Return ↵

    Corner Type        Horizontal Corner
    Correct Shape
    Linearity
```
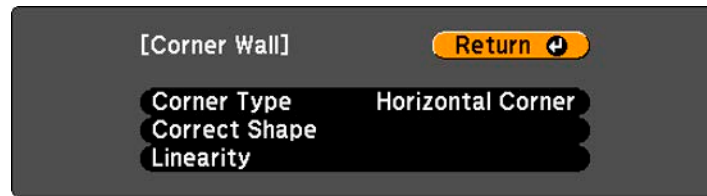
6. Select the **Corner Type** setting and press **Enter**.

7. Select one of the following:

   • **Horizontal Corner** when the surfaces line up horizontally
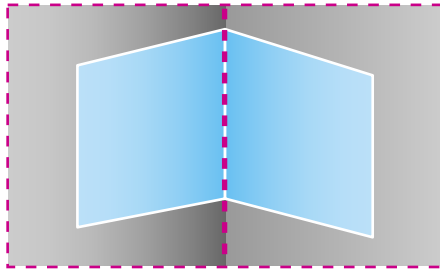
   • **Vertical Corner** when the surfaces line up vertically
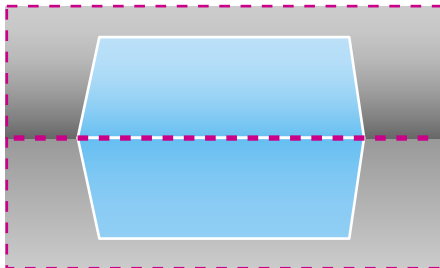
8. Press the **Esc** button to return to the Corner Wall menu screen.

9. Select the **Correct Shape** setting and press **Enter**.

10. Adjust the projector's position and use the lens shift option 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.)
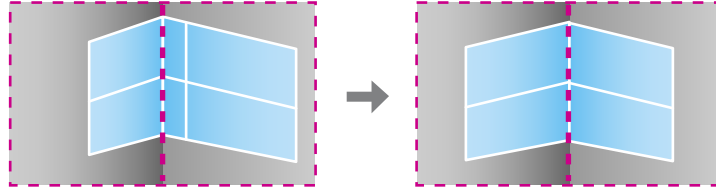
Note: You can press **Enter** to show or hide the image and grid to check the results.

11. Use the arrow buttons on the projector or the remote control to select the area you want to adjust. Then press **Enter**.
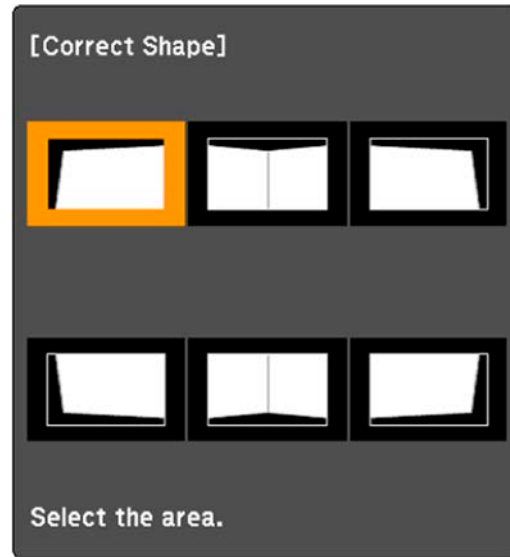
- For horizontal corners, adjust the top area using the lowest point (indicated by the blue arrow) as your reference. Adjust the lower area using the highest point (indicated by the pink arrow) as your reference.
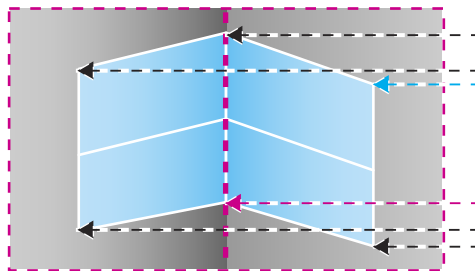
- For vertical corners, adjust the left and right areas using the points nearest the center of the image as your reference points.

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

12. Press and hold the arrow buttons on the projector or remote control to adjust the image shape.

13. 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.

14. Press the **Esc** button to return to the Corner Wall screen.

15. Select the **Linearity** setting and press **Enter**.

16. 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.
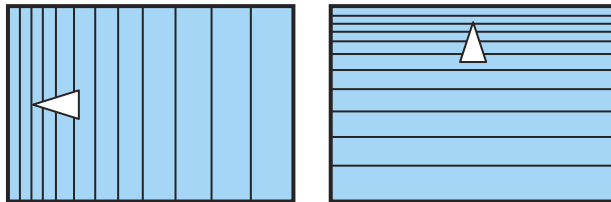
    • Press and hold the right arrow button to contract the distance between the lines closest to the right or bottom of the image.
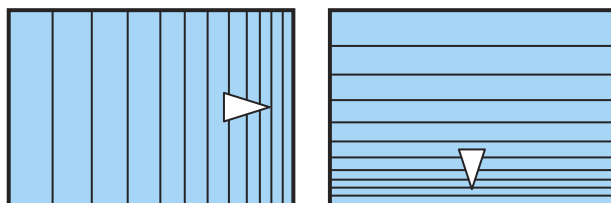
17. When you are finished, press **Menu**.

Note: If necessary, you can fine-tune the results of your Corner Wall adjustments using Point Correction.

Parent topic: Image Shape

Related references

Projector Setup Settings - Extended Menu

Related tasks

Displaying a Test Pattern

Correcting Image Shape with Point Correction

Remote Control Operation

The remote control lets you control the projector from almost anywhere in the room, up to 49 feet (15 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.
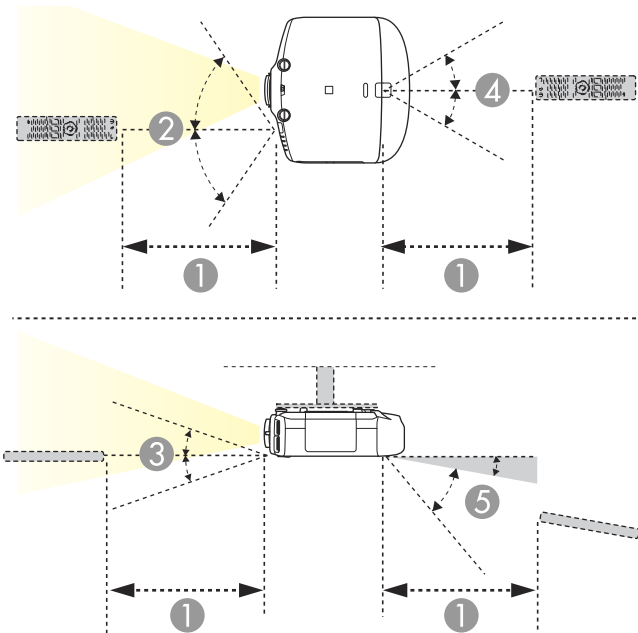
1	49 feet (15 m)
2	±60°
3	±20°

4   ±30°

5   +10° to +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

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.

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.
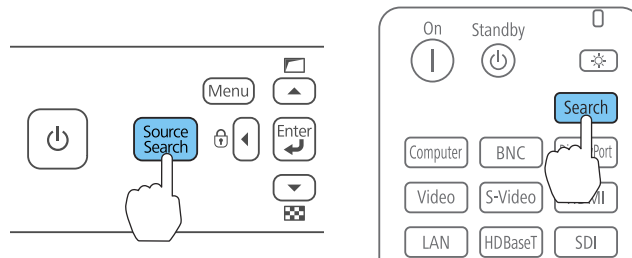
- Press the button for the source you want on the remote control.
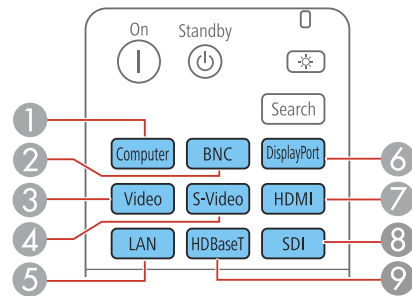
1	Computer port source
2	BNC port source
3	Video port source (composite video)
4	S-Video port source
5	Network source
6	DisplayPort source
7	HDMI port source
8	SDI port source (PowerLite Pro G6970WU)
9	HDBaseT port source

Parent topic: Using Basic Projector Features

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.

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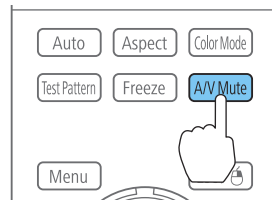
The image disappears briefly and reappears flipped top-to-bottom.

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

Image	**Return** ↵
	Display
Signal	Closed Caption Off
	User's Logo
Settings	Projection Front
	Direction 0 Degree
Extended ↵	Operation
	A/V Settings
Network	Standby Mode Communication Off
	HDBaseT
Info	Multi-Projection
	Schedule Settings
Reset	Language 🌐 English
	Reset
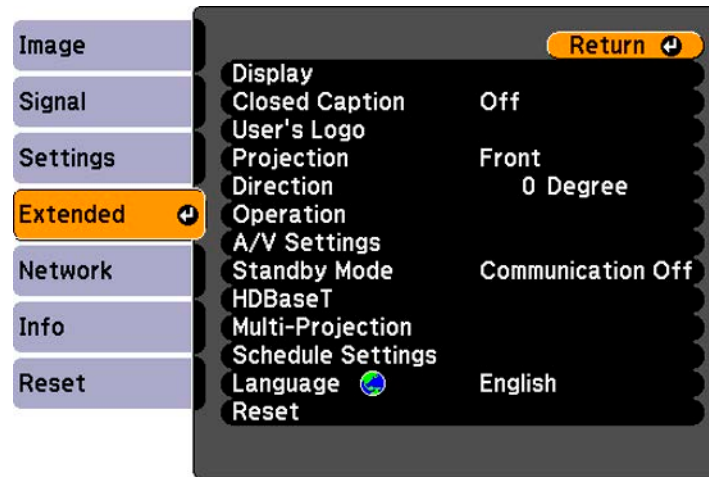
4. Select the **Projection** setting and press **Enter**.

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

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

Parent topic: Projection Modes

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

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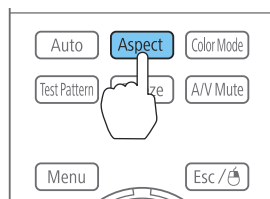
The shape and size of the displayed image changes, and the name of the aspect ratio appears briefly on the screen.

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

Parent topic: Image Aspect Ratio

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 or Normal, 4:3, 6:9, Native*
16:9	Auto or Normal, Full, Zoom, Native

Screen Type setting	Available aspect ratios
16:10	Auto or Normal, 16:9, Full, Zoom, Native

*Available only when projecting computer images, or from sources connected to the **HDMI** or **HDBaseT** 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.
Zoom	Displays images using the full width 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
Turning On Auto Iris

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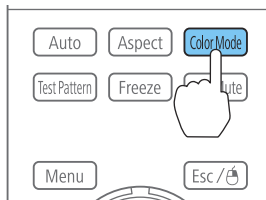
The image appearance changes and the name of the Color Mode appears briefly on the screen.

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
Theatre	Best for movies projected in a dark room
sRGB	Best for standard sRGB computer displays

Color Mode	Description
DICOM SIM[1]	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)

[1] 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

Turning On Auto Iris

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

Note: Auto Iris is disabled if **Edge Blending** is set to **On**.

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

2. Press the **Menu** button.

3. Select the **Image** menu and press **Enter**.
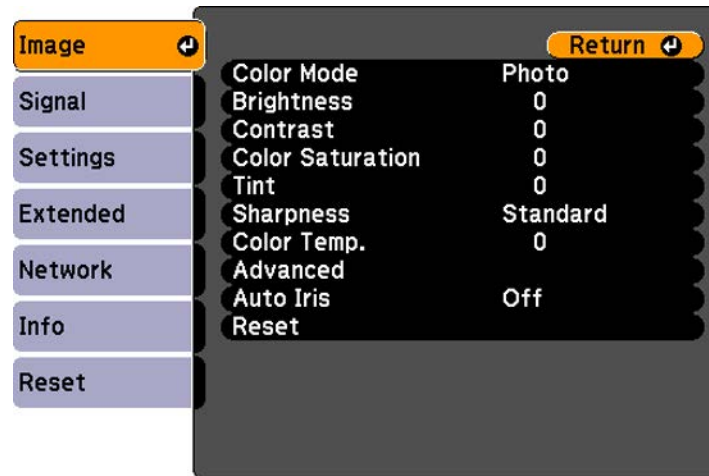
4. Select the **Auto Iris** setting and select **High Speed**.

    Note: Select **Normal** for quieter performance. You can turn **Auto Iris** on or off for each Color Mode that supports the feature. You cannot change the **Auto Iris** setting when you are using a **Closed Caption** setting.

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

Parent topic: Color Mode

Controlling the Volume with the Volume Buttons

You can use the **Volume** buttons on the remote control to adjust the volume as you project a presentation with audio. The volume buttons control the projector's internal speaker system (PowerLite Pro G6070W/G6170/G6270W/G6470WU/G6570WU/G6770WU) or any external speakers you connected to the projector.

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

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

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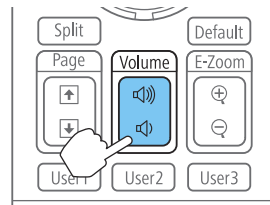
    A volume gauge appears on the screen.

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

Parent topic: Using Basic Projector Features

Related references
Projector Feature Settings - Settings Menu

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:

   [Date & Time]   Return ↵

   Date & Time
   Daylight Saving Time
       Daylight Saving Time   Off
       DST Start
       DST End
       DST Adjustment (min)   0
   Internet Time
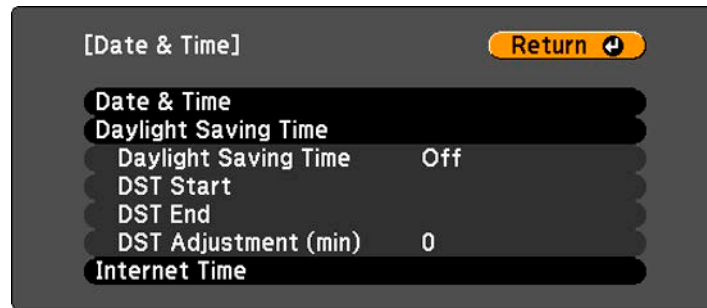
5. Select the **Date & Time** setting and press **Enter**.

6. Use the displayed keyboard to enter the date and time.

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

Parent topic: Using Basic Projector Features

Adjusting Projector Features

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

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: The lamp is still lit while using A/V Mute and the lamp hours will continue to accumulate.

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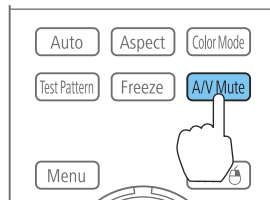
2. To turn the picture and sound back on, press **A/V Mute** again.

Parent topic: Adjusting Projector Features

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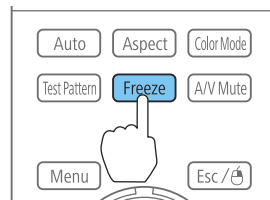
2. To restart the video action in progress, press **Freeze** again.

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.

1. Press the **E-Zoom +** button on the remote control.
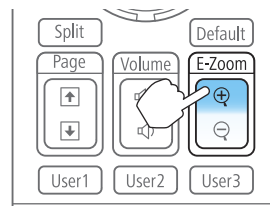
You see a crosshair on the screen indicating the center of the zoom area.

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

- Use the arrow buttons to position the crosshair in the image area you want to zoom into.
- Press the **E-Zoom +** button repeatedly to zoom into the image area, enlarging it as necessary. Press and hold the **E-Zoom +** button to zoom in more quickly.
- To pan around the zoomed image area, use the arrow buttons.
- To zoom out of the image, press the **E-Zoom –** button as necessary.
- To return to the original image size, press **Esc**.

Parent topic: Adjusting Projector Features

Projector Security Features

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

- Password security to prevent the projector from being turned on, and prevent changes to the startup screen and other settings.
- Button lock security to block operation of the projector using the buttons on the control panel or remote control.
- Security cabling to physically cable the projector in place.

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

Parent topic: Adjusting Projector Features

Password Security Types

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

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

- **Time/Schedule Protection** password prevents anyone from changing the projector's time or schedule settings.

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

Parent topic: Projector Security Features

Setting a Password

To use password security, you must set a password.

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

[Password Protection]

Power On Protection   ⏻Off
User's Logo Protection   Off
Network Protection   Off
Time/Schedule Protection   Off
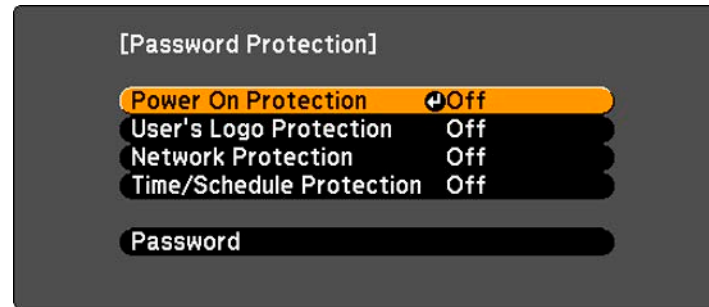
Password

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

    You see the prompt "Change the password?".

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

4. Press and hold down the **Num** button on the remote control and use the numeric buttons to set a four-digit password.
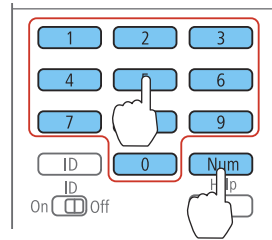
The password displays as **** as you enter it. Then you see the confirmation prompt.

5. Enter the password again.

You see the message "Password accepted."

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

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

Parent topic: Password Security Types

Selecting Password Security Types

After setting a password, you see this menu, allowing you to select the password security types you want to use.
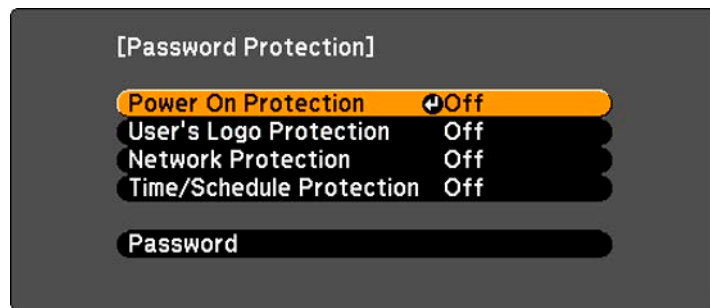
If you do not see this menu, hold down the **Freeze** button on the remote control for about five seconds or until the menu appears.

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

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

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

4. To prevent changes to the projector's time or schedule settings, select **Time/Schedule Protection**, 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.

```
[Password]

Enter the password.

        [    ]

See your documentation for more information.
```

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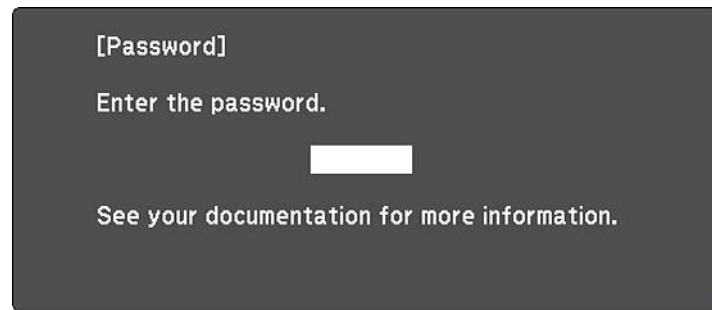
You must enter the correct password to use the projector.

1. Press and hold down the **Num** button on the remote control while you enter the password using the numeric buttons.
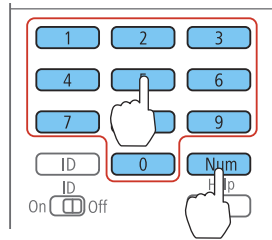
Note: The default password is **0000**.

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:

Saving a User's Logo Image to Display

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

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

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

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

Image		Return ↵
	Display	
Signal	Closed Caption	Off
	User's Logo	
Settings	Projection	Front
	Direction	0 Degree
Extended ↵	Operation	
	A/V Settings	
Network	Standby Mode	Communication Off
	HDBaseT	
Info	Multi-Projection	
	Schedule Settings	
Reset	Language 🌐	English
	Reset	
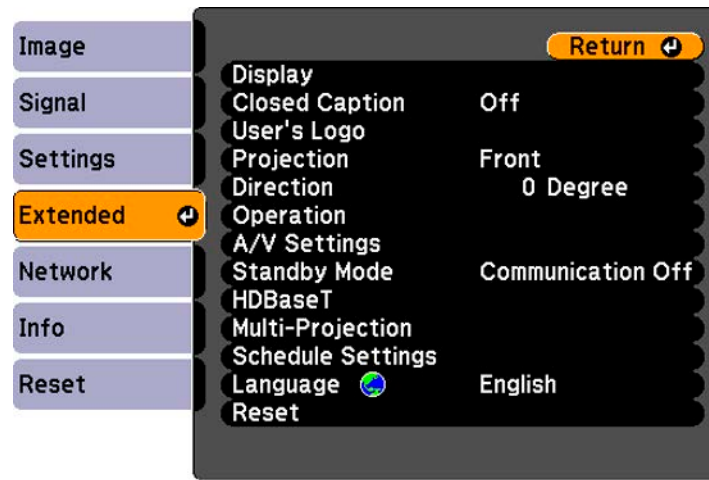
3. Select the **User's Logo** setting and press **Enter**.

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

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

   You see a selection box overlaying your image.

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

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

6. Select **Yes** and press **Enter**. (If you want to change the selected area, select **No**, press **Enter**, and repeat the last step.)

You see the User's Logo zoom factor menu.

```
[User's Logo]

Set the zoom factor.

Zoom factor:

    0100%  ↵
    0200%
    0300%
```
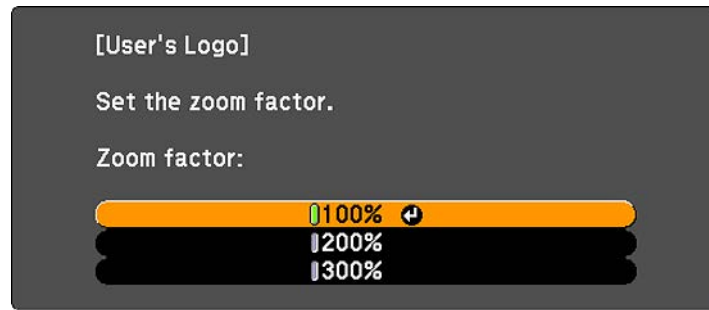
7. Select a zoom percentage and press **Enter**.

    You see a prompt asking if you want to save the image as the User's Logo.

8. Select **Yes** and press **Enter**.

    You see a completion message.

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

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

11. Select **Display** and press **Enter**.

12. Select when you want to display the User's Logo screen:

    - To display it whenever there is no input signal, select **Display Background** and set it to **Logo**.

    - To display it whenever you turn the projector on, select **Startup Screen** and set it to **On**.

    - To display it whenever you press the **A/V Mute** button, select **A/V Mute** and set it to **Logo**.

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

Parent topic: Password Security Types

Locking the Projector's Buttons

You can lock the buttons on the projector's control panel to prevent anyone from using the projector. You can lock all the buttons or all the buttons except the power button.

1. Press the **Menu** button.

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

Image	Return ↵
Signal	Geometric Correction H/V-Keystone
	Split Screen
Settings ↵	Control Panel Lock Full Lock
	Power Consumption ECO
	Volume 0
Extended	Remote Receiver Front/Rear
	User Button
Network	Test Pattern
	Memory
Info	Reset
Reset	
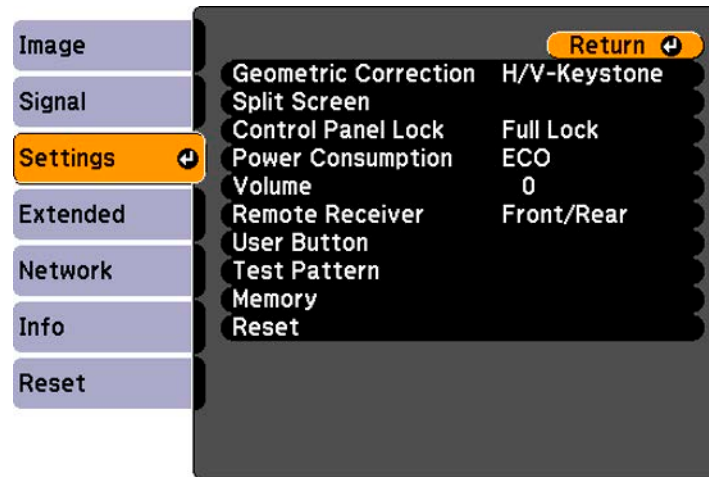
3. Select the **Control Panel Lock** setting and press **Enter**.

4. Select one of these lock types and press **Enter**:

   • To lock all of the projector's buttons, select **Full Lock**.

   • To lock all buttons except the power button, select **Partial Lock**.

   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 seven seconds to unlock them.

Parent topic: Locking the Projector's Buttons

Installing a Security Cable

You can install two types of security cables on the projector to deter theft.

- Use the security slot on the projector to attach a Kensington lock. See your local computer or electronics dealer for purchase information.

- Use the security cable attachment point on the projector to attach a wire cable and secure it to a room fixture or heavy furniture.
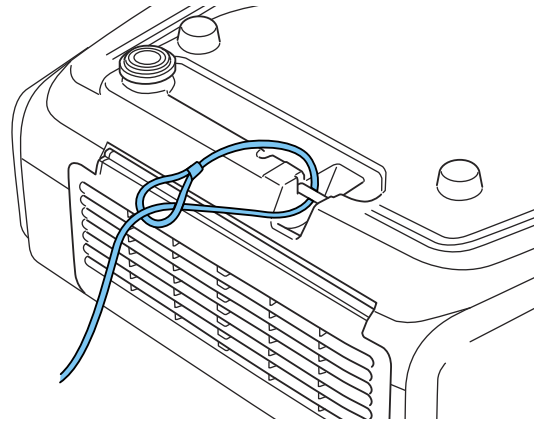
Note: Do not pass drop-prevention cables through the security cable attachment point when mounting the projector on a wall or ceiling.

Parent topic: Projector Security Features

Related references

Projector Parts - Rear

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

1. Press the **Split** button on the remote control.
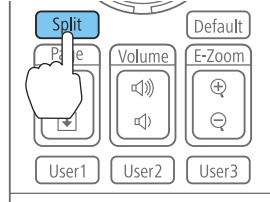
The currently selected input source moves to the left side of the screen.

2. Press the **Menu** button.

You see this screen:
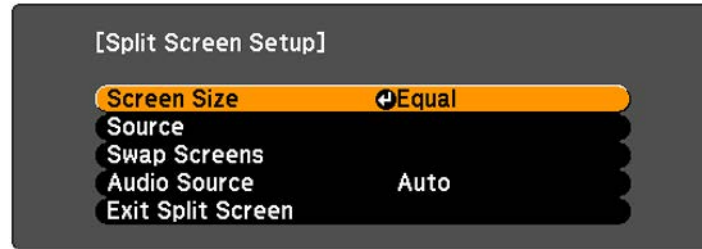
3. To select an input source for the other image, select the **Source** setting, press **Enter**, select the input source, select **Execute**, and press **Enter**. (You can also change image sources, if necessary.)

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.

   Note: Select **Auto** to hear audio from the largest screen or the left screen.

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

Parent topic: Adjusting Projector Features

Using Multiple Projectors

You can combine the projected images from two or more projectors to create one large image. The following two options are available:

- Project different images from each projector and create one seamless image
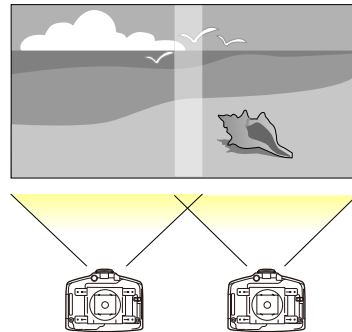
- Project the same image from each projector and use the Scale feature to create one seamless image
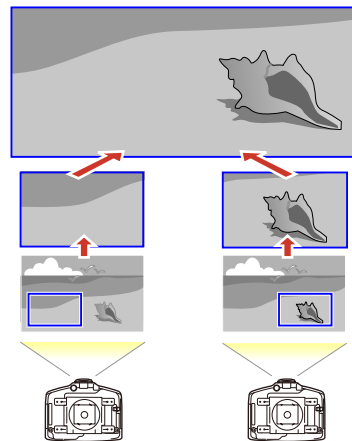
Follow the instructions in these sections to setup and project from multiple projectors.

Parent topic: Adjusting Projector Features

Projector Identification System for Multiple Projector Control

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

You can also match the colors displayed by any projectors you plan to use near each other.

Caution: Leave at least 20 inches (50 cm) of space between the projectors to prevent them from overheating.

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** menu and press **Enter**.

4. Select **Projector ID** and press **Enter**.
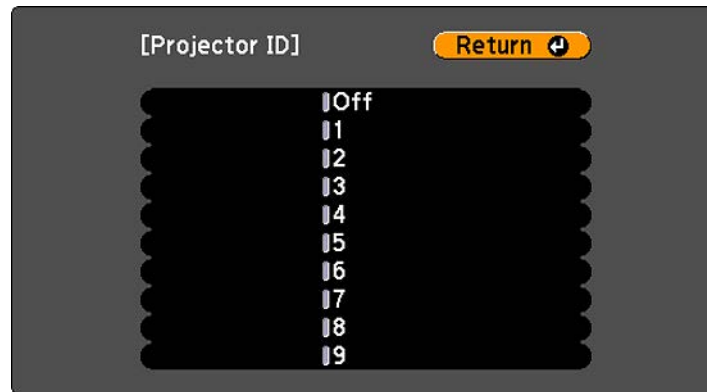
5. Use the arrow buttons on the remote control to select the identification number you want to use for the projector. Then press **Enter**.

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

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**.
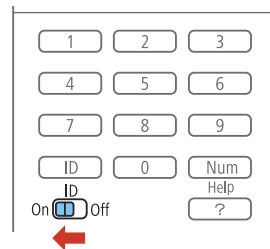
3. Hold down the **ID** button on the remote control while you press the numeric button that matches the projector's ID. Then release the buttons.
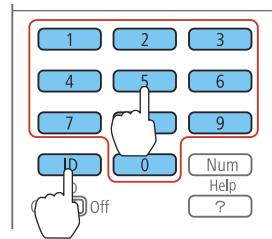
Note: If you don't know the projector's ID, hold down the **ID** button and press the **Help** button to temporarily display the projector's ID on the screen. If the batteries are left out of the remote control for an extended period, the remote control ID returns to its default setting.

Parent topic: Projector Identification System for Multiple Projector Control

Adjusting the Position of the Projected Image From Multiple Projectors

If you need to adjust the position of a projected image from multiple projectors, perform the adjustments in the order listed here.

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.

1. Adjust the projector's physical position and angle to the screen.

2. Use the projector's lens shift and zoom features.

   Note: Wait 30 minutes after turning on the projector before setting the lens shift and zoom for maximum accuracy.

3. Adjust the image shape using these Geometric Correction settings:
   - **Quick Corner**
   - **Point Correction**

Parent topic: Using Multiple Projectors

Related concepts

Projector Placement

Related tasks

Displaying a Test Pattern

Adjusting the Image Position Using Lens Shift

Resizing the Image with the Zoom Ring

Correcting Image Shape with Quick Corner

Correcting Image Shape with Point Correction

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 **Signal** menu and press **Enter**.

3. Select the **Scale** setting and press **Enter**.

   You see this screen:
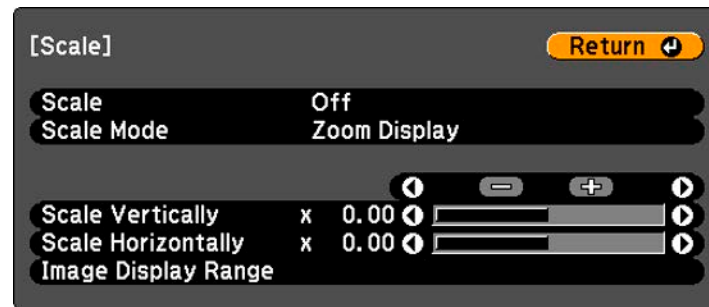
4. Select the **Scale** setting and select **On**.

5. Select the **Scale Mode** setting and select one of the following options:

  • **Zoom Display**: Maintains the image aspect ratio as you scale the image
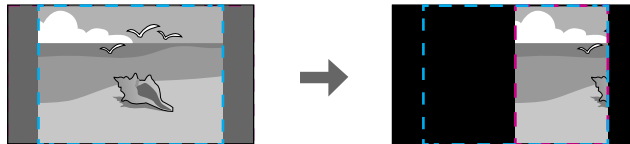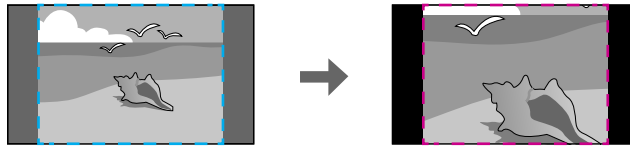
  • **Full Display**: Adjusts the image to the projector's screen size as you scale the image
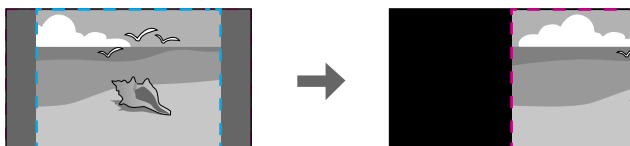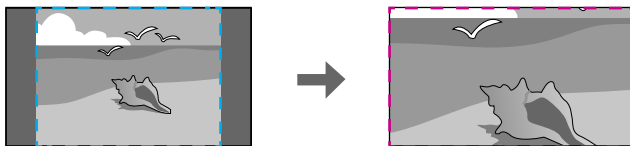
6. Select one or more of the following scaling options and adjust it as necessary:

  • **–** or **+**: Scales the image horizontally and vertically at the same time

  • **Scale Vertically**: Scales the image vertically only

  • **Scale Horizontally**: Scales the image horizontally only

7. Select the **Image Display Range** setting and use the arrow buttons to adjust the coordinates and size of each image as you view the screen.

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

Adjusting the Lamp's Brightness

When projecting with multiple projectors, you must adjust the brightness setting so that all projectors are as bright as the darkest lamp.

Note: Even after adjusting the brightness levels, the brightness of each lamp may not match exactly.

1. Turn on all the projectors and display the same image.

2. Select **Normal** for the **Power Consumption** setting.

3. Select **Multi-Projection** or **3D Multi-Projection** (for 3D images) for the color mode.

4. Press the **Menu** button.

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

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

7. Select the **Brightness Level** setting and press **Enter** (not available for the PowerLite Pro G6470WU) .

8. Select a brightness level.

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

Related concepts

Color Mode

Related references

Projector Feature Settings - Settings Menu

Blending the Image Edges

You can use the projector's Edge Blending feature to create a seamless image from multiple projectors.
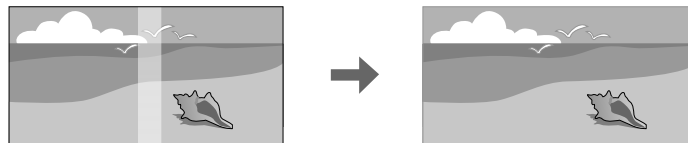
1. Press the **Menu** button.

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

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

4. Select the **Edge Blending** setting and press **Enter**.

   You see this screen:

	[Edge Blending]	Return
Image		
Signal	Edge Blending	Off
	Top Edge	Off
Settings	Bottom Edge	Off
	Left Edge	Off
Extended	Right Edge	Off
	Blend Curve	0
Network	Black Level	
	Guide Display	Off
Info	Pattern Guide	Off
	Guide Colors	Pattern 1
Reset		
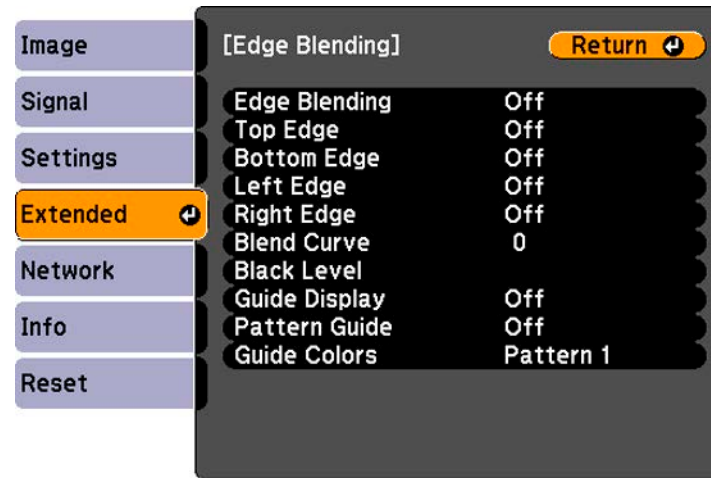
5. Turn on the **Edge Blending**, **Guide Display**, and **Pattern Guide** settings.

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

6. Select the edge you want to blend and press **Enter**.

   You see a screen like this:

[Top Edge]		Return
Blending	Off	
Blend Range	0	

7. Select the **Blending** setting and select **On**.

8. Select the **Blend Range** setting and select the width of the blended area.

    Set the range so that the displayed guides are at the edges of the overlapping area between the two images.
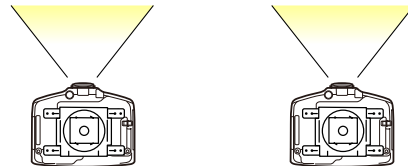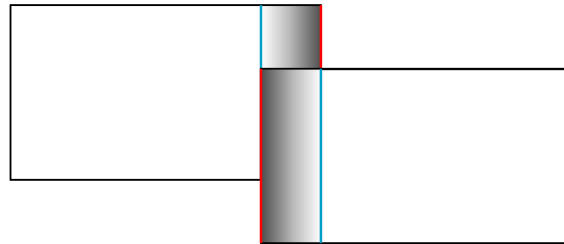
9. Press **Esc** to go back to the previous screen.

10. Select the **Blend Curve** setting (PowerLite Pro G6070W/G6170/G6270W/G6470WU/G6570WU/G6770WU) and select a gradient for the shaded area.

11. When the edges are blended, turn off the **Guide Display** and **Pattern Guide** settings to check the final settings.

12. 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 be different in brightness and tone from the areas that do not overlap. You can use the projector's Black Level setting to reduce this difference and make it less noticeable (PowerLite Pro G6870/G6970WU).
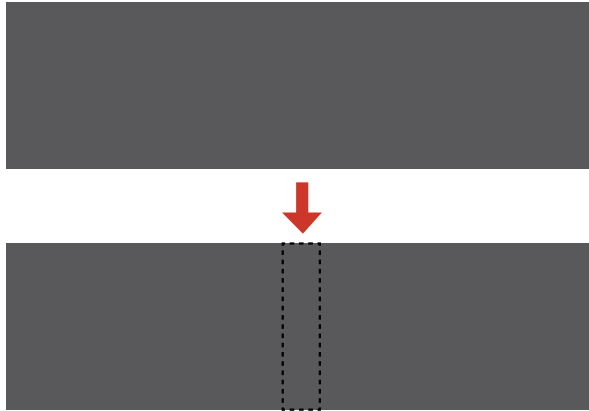
Note:

- You cannot adjust the black level when a test pattern displayed.
- 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 **Edge Blending** setting and press **Enter**.
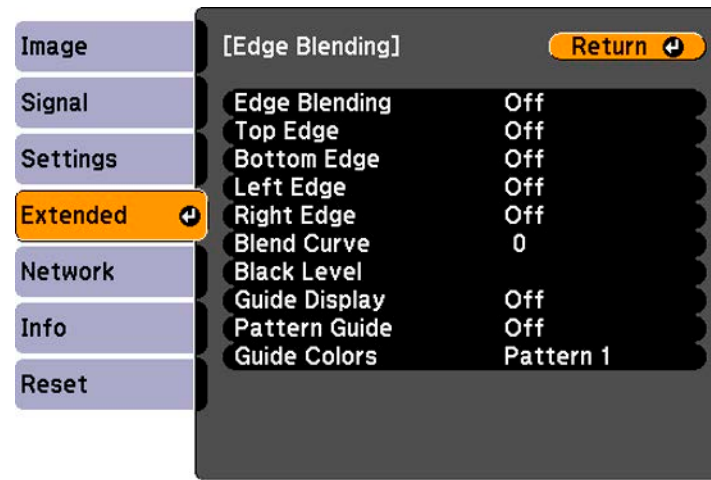
You see this screen:

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

    You see this screen:

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

The points you can use to set the range for black level adjustments are displayed.

Note: The points displayed differ depending on the edge settings (**Top Edge**, **Bottom Edge**, **Right Edge**, **Left Edge**) and the selected **Geometric Correction** setting. For example, if **Left Edge** is set and **5 × 5** is selected for the **Point Correction** setting, you see a screen like this:

7. Use the arrow buttons to select an adjustment point and press the **Enter** button.

   The selected point turns orange.
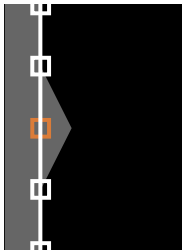
8. Use the arrow buttons to move the point to the edge of the blending area.
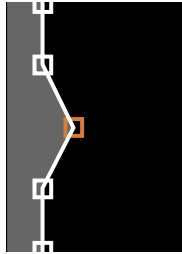
9. To move another point, press the **Esc** button and repeat the previous two steps.

10. When you are finished, press the **Esc** button twice and select **Yes** when you see the confirmation message to return to the Black Level menu screen.

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

11. Select the **Color Adjustment** setting and press **Enter**.

    You see this screen:
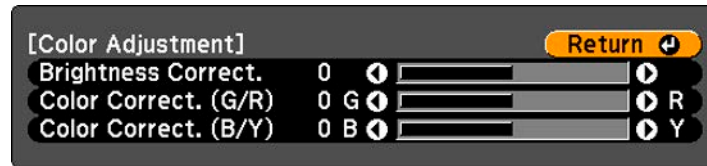
12. Adjust the brightness and tone of the areas that do not overlap to match the areas that overlap using the displayed adjustment sliders.

13. When you are finished, press the **Menu** button to exit.

Parent topic: Using Multiple Projectors

Matching the Image Colors

You can match the display quality of multiple projectors that will project next to each other.

Note: Make sure you select **Multi-Projection** or **3D Multi-Projection** (for 3D images) for the color mode. Brightness and colors may not match exactly even after performing the steps below.

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 **Multi-screen** setting and press **Enter**.

   You see this screen:

   ```
   [Multi-screen]                        Return ↵
     Adjustment Level    Lv. 0 ◀ [        ] ▶
     Brightness Correct.     0 ◀ [        ] ▶
     Color Correct. (G/R)    0 G◀ [        ] ▶ R
     Color Correct. (B/Y)    0 B◀ [        ] ▶ Y
   ```
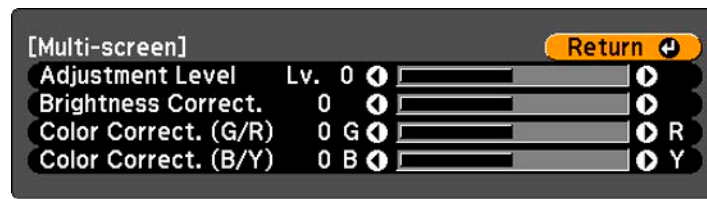
   Note: Press **Enter** to toggle between the projected image and the adjustment screen.

5. Set the **Adjustment Level** setting to **1** and press **Enter**.

6. Set the remote control ID to match the second projector.

7. Access the Extended menu **Multi-screen** setting on the second projector and set the **Adjustment Level** setting to **1**.

8. Adjust the **Brightness Correct.** setting on the projector with the darkest display so it matches the lighter display, and press **Enter**. (You may need to switch the remote control ID back and forth to make adjustments to each projector in all of these steps.)

9. Change the **Adjustment Level** setting to **5** on each projector, but this time match the lighter display to the darker one.

10. Adjust the **Brightness Correct.** setting on **Adjustment Level 2**, **3**, and **4** in the same way.

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11. Adjust the **Color Correct.** settings for green-to-red (**G/R**) and blue-to-yellow (**B/Y**) balance for all the levels on both projectors in the same way.

12. If you need to match more projectors, repeat these steps matching projector 3 to projector 2, 4 to 3, and so on.

Parent topic: Using Multiple Projectors

Related concepts

Color Mode

Viewing 3D Images

Using an optional polarizer and 3D glasses, you can use two projectors to project and view passive 3D images. See the instructions supplied with the optional equipment for setup and use.

For optimal viewing, select the **3D Images** setting from the Signal menu and select one of the 3D color modes.

Parent topic: Adjusting Projector Features

Related concepts

Color Mode

Saving Settings to Memory and Using Saved Settings

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

1. Turn on the projector and display an image.

2. Press the **Menu** button.

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

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

You see this screen:

Image

Signal

Settings

Extended

Network

Info

Reset

[Memory]   **Return**

Load Memory
Save Memory
Erase Memory
Rename Memory
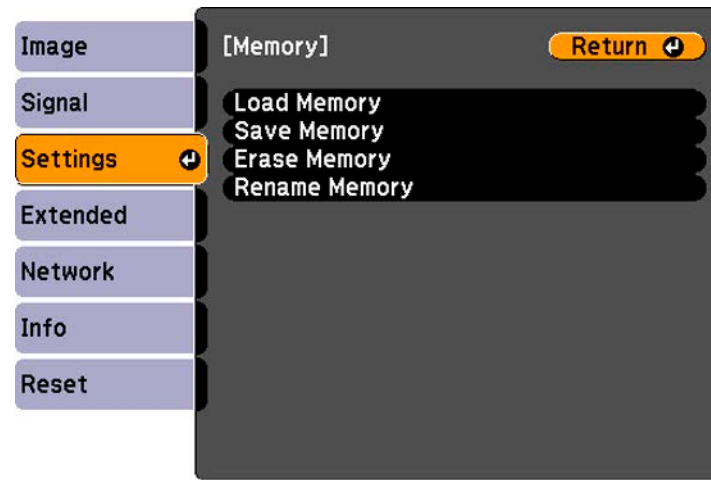
5. Select one of the following options:

- **Load Memory**: Overwrites your current settings with saved settings
- **Save Memory**: Saves your current settings to memory (10 memories with different names are available)

   Note: A memory name that has already been used is indicated by a green 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

6. Press **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**.

   The Schedule Settings screen appears.

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

5. Select **Add New** and press **Enter**.

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 4 steps.

10. Select **Setup complete** and select **Yes** to save your changes.

Viewing Scheduled Events

Editing a Scheduled Event

Parent topic: Adjusting Projector Features

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

Reoccurring event

Communication is on/off

Event is invalid

Parent topic:

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/Off**: Enable or disable the selected event.

   • **Edit**: Edit the settings for the selected event.

   • **Clear**: Delete the selected event.

   • **Add New**: 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 Geometric 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 Mail and Others menus

Note: In addition to the methods covered this section, you can also copy and transfer settings to multiple projectors over a network using the EasyMP Network Updater software. See the *EasyMP Network Updater Operation Guide* for instructions. You can download the latest software and documentation from the Epson web site. Go to epson.com/support (U.S.) or epson.ca/support (Canada) and select your projector.

Saving Settings to a USB Flash Drive
Transferring Settings From a USB Flash Drive
Saving Settings To a Computer
Transferring Settings From a Computer

Parent topic: Adjusting Projector Features

Saving Settings to a USB Flash Drive

You can save the projector settings you want to transfer to a USB flash drive (PowerLite Pro G6070W/G6170/G6270W/G6470WU/G6570WU/G6770WU).

Note: Use an empty flash drive. If the drive contains other files, the transfer may not complete correctly.

1. Turn off the projector and unplug the power cord from the projector's power inlet.
2. Insert the flash drive into the wireless LAN module port.
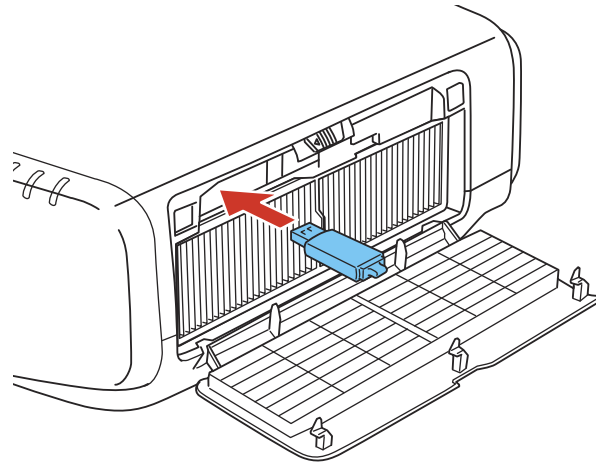
Note: Connect the flash drive directly to the projector. Do not use a hub.

3. Press and hold the **Esc** button on the control panel or remote control as you connect the power cord to the projector's power inlet.
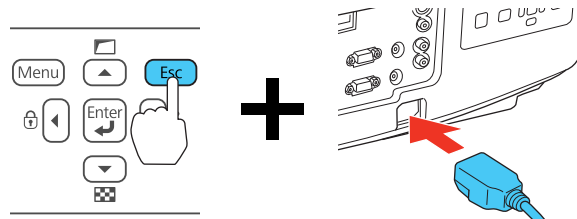
4. When the power, Lamp, and Temp lights turn orange, release the **Esc** button.

   The lights flash to indicate that settings are transferring to the flash drive. When the lights stop flashing, the power light turns orange 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

Related references

Projector Light Status

Transferring Settings From a USB Flash Drive

After saving projector settings to a USB flash drive, you can transfer them to another projector of the same model (PowerLite Pro G6070W/G6170/G6270W/G6470WU/G6570WU/G6770WU).

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 wireless LAN module port.
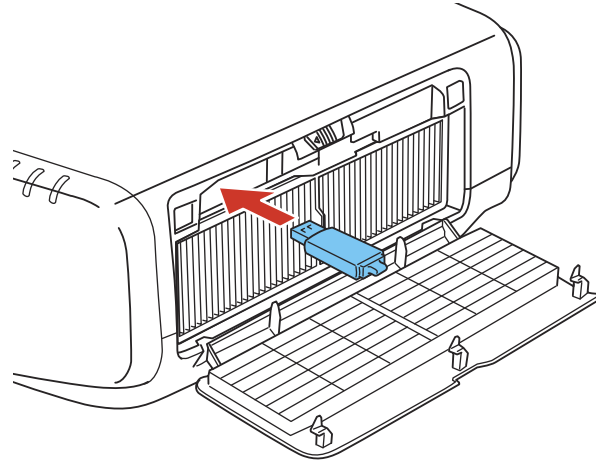
Note: Connect the flash drive directly to the projector. Do not use a hub.

3. Press and hold the **Menu** button on the control panel or remote control as you connect the power cord to the projector's power inlet.
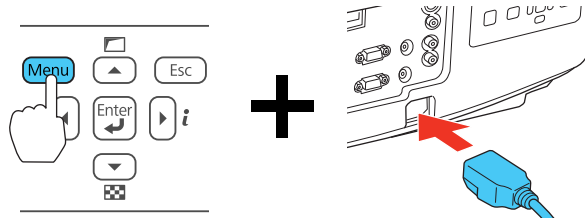
4. When the power, Lamp, and Temp lights turn orange, release the **Menu** button.

   The lights flash to indicate that settings are transferring to the projector. When the lights stop flashing, the power light turns orange 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

Related references

Projector Light Status

Saving Settings To a Computer

You can save the projector settings you want to transfer to a computer (PowerLite Pro G6870/G6970WU).

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

• Windows Vista

• Windows 7

• Windows 8.x

• OS X 10.5.8

• OS X 10.6.x

• OS X 10.7.x

• OS X 10.8.x

• OS X 10.9.x

• OS X 10.10.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.
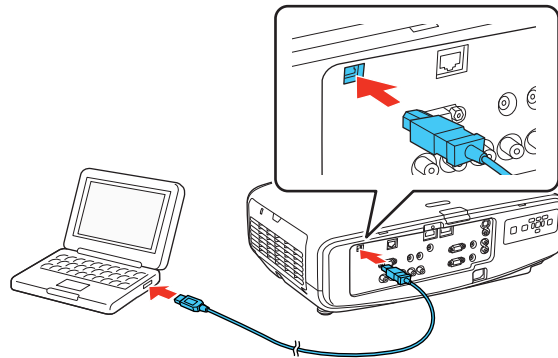
3. Connect the other end to any available USB port on your computer.

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.
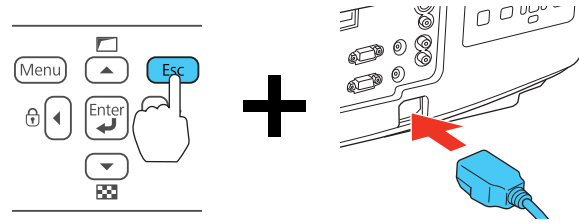
5. When the power, Lamp, and Temp lights turn orange, release the **Esc** button.

   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**, or **Windows Explorer** utility. Right-click the name of your projector (listed as a removable disk) and select **Eject**.

   • **OS X:** 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

Related references

Projector Light Status

Transferring Settings From a Computer

After saving projector settings to a computer, you can transfer them to another projector of the same model (PowerLite Pro G6870/G6970WU).

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

• Windows Vista

• Windows 7

• Windows 8.x

• OS X 10.5.8

- OS X 10.6.x

- OS X 10.7.x

- OS X 10.8.x

- OS X 10.9.x

- OS X 10.10.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.
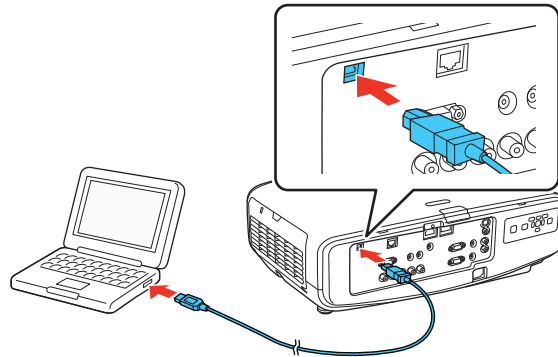
3. Connect the other end to any available USB port on your computer.

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.
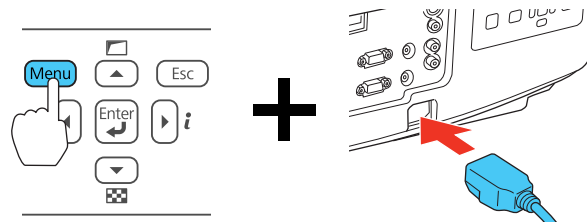
5. When the power, Lamp, and Temp lights turn orange, release the **Menu** button.

   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**, or **Windows Explorer** utility. Right-click the name of your projector (listed as a removable disk) and select **Eject**.

   • **OS X:** Drag the removable disk icon for your projector from the desktop into the trash.

   The power, Status, Lamp, and Temp lights start flashing to indicate that the projector's settings are being updated. When the lights stop flashing, the power light turns orange 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

Related references

Projector Light Status

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.
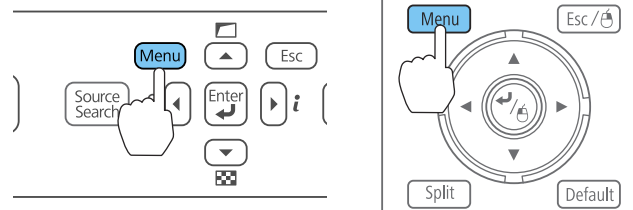
You see the menu screen displaying the Image menu settings.
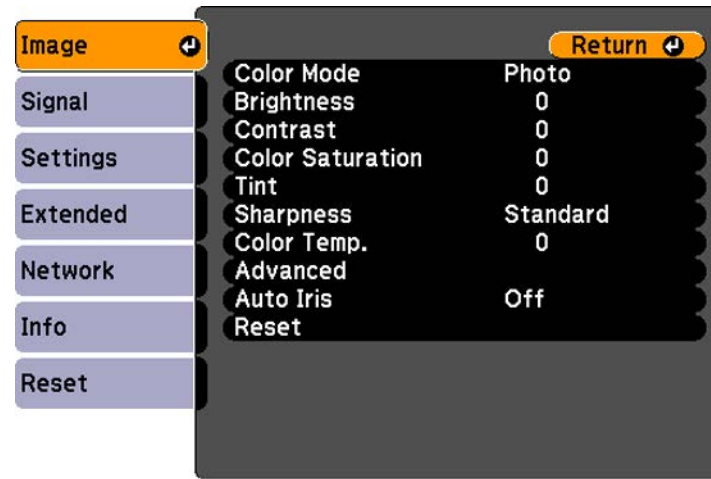
2. Press the up or down arrow button to move through the menus listed on the left. The settings for each menu are displayed on the right.

   Note: The available settings depend on the current input source.

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.
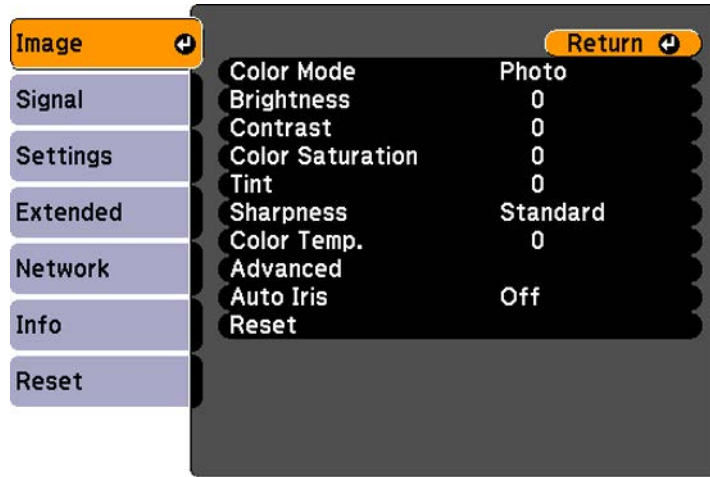
Image	Return
	Color Mode	Photo
Signal	Brightness	0
	Contrast	0
Settings	Color Saturation	0
	Tint	0
Extended	Sharpness	Standard
	Color Temp.	0
Network	Advanced	
	Auto Iris	Off
Info	Reset	
Reset		

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

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

Setting	Options	Description
Sharpness	Varying levels available	Adjusts the sharpness or softness of image details
Color Temp. (absolute color temperature)	Varying levels available	Sets the color tone based on color temperature
Advanced	Various options available	Adjusts the gamma levels and intensity of individual hues in the image
Auto Iris	**Off** **Normal** **High Speed**	Adjusts the projected luminance based on the image brightness when certain Color Modes are selected

Note: The **Brightness** setting does not affect lamp brightness. To change the lamp brightness mode, use the **Power Consumption** setting.

Parent topic: Adjusting the Menu Settings

Related references

Available Color Modes

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.

Image			
Signal		Return ⏎	
	Auto Setup	Off	
Settings	Resolution	Auto	
	Tracking	0	
Extended	Sync.	0	
	Position		
Network	Input Signal	Auto	
	Aspect	4:3	
Info	Scale		
	Image Processing	Fine	
Reset	Reset		
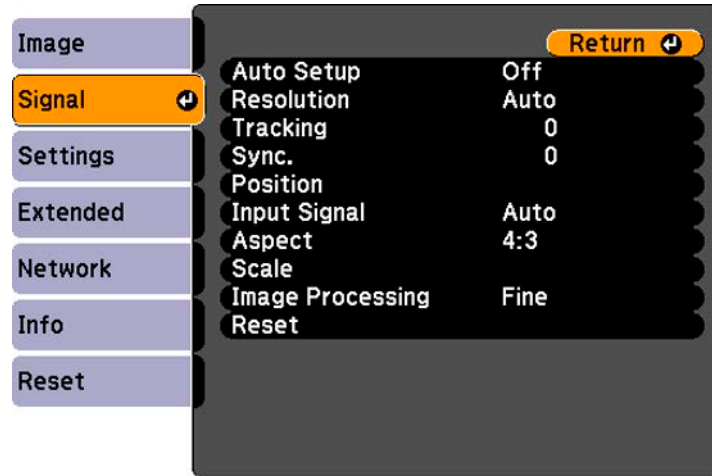
Note: You can restore the default settings of the **Position**, **Tracking**, and **Sync** settings by pressing the **Auto** button on the remote control.

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

Setting	Options	Description
Auto Setup	**On** **Off**	Automatically optimizes image quality from an analog RGB computer connection (when On)

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
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
3D Setup	3D Images	Enables passive 3D images when projecting from 2 projectors
Progressive	**Off** **Video** **Film/Auto**	Sets whether to convert interlaced-to-progressive signals for certain video image types **Off**: for fast-moving video images **Video**: for most video images **Film/Auto**: for movies, computer graphics, and animation

Setting	Options	Description
Frame Interpolation (PowerLite Pro G6470WU/ G6570WU/G6770WU/G6970WU)	**Off** **Low** **Normal** **High**	Smooths fast moving video by comparing consecutive frames and inserting an intermediate frame between them
Noise Reduction	**Off** **NR1** **NR2**	Reduces flickering in analog images in two levels; cannot be set if Image Processing is set to **Fast**
Mosquito NR	**On** **Off**	Reduces the noise or artifacts seen around the edges of objects that is caused by the decompression of MPEG video; cannot be set if Image Processing is set to **Fast**
Video Range	**Auto** **Normal** **Expanded**	Sets the video range to match the setting of the device connected to the **DisplayPort**, **HDMI**, **HDBaseT** and **SDI** (PowerLite Pro G6970WU) input ports
Input Signal	**Auto** **RGB** **Component**	Specifies the signal type from input sources connected to computer ports **Auto**: detects signals automatically **RGB**: corrects color for computer/RGB video inputs **Component**: corrects color for component video inputs

Setting	Options	Description
Video Signal	**Auto** Various video standards	Specifies the signal type from the input sources connected to the video ports **Auto**: detects signals automatically
Aspect	See the list of available aspect ratios	Sets the aspect ratio (width-to-height ratio) for the selected input source
Scale	Various scale options	When using multiple projectors to project one image, adjusts the scale of the image displayed by each projector
Overscan	**Auto** **Off** **4%** **8%**	Changes the projected image ratio to make the edges visible by a selectable percentage or automatically
Image Processing	**Fast** **Fine**	Adjusts how images are processed **Fast**: displays images quicker **Fine**: displays images in higher quality
DisplayPort EQ Setting	**1** **2**	Adjusts the input signal level for the device connected to the **DisplayPort** connector; change to reduce interference or correct other image problems

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.

Image		
Signal		Return
	Geometric Correction	H/V-Keystone
	Split Screen	
	Control Panel Lock	Full Lock
Settings	Power Consumption	ECO
	Volume	0
Extended	Remote Receiver	Front/Rear
	User Button	
Network	Test Pattern	
	Memory	
Info	Reset	
Reset		

Setting	Options	Description
Geometric Correction	**H/V-Keystone** **Quick Corner** **Arc Correction** (PowerLite Pro G6070W/G6170/G6270W/G6470WU/G6570WU/G6770WU/) **Point Correction** **Curved Surface** (PowerLite Pro G6870/G6970WU) **Corner Wall** (PowerLite Pro G6870/G6970WU)	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 **Arc Correction**: select to adjust the curve or arc of the horizontal and vertical sides **Point Correction**: select to display a grid and finely adjust the image position **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
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
Control Panel Lock	**Full Lock** **Partial Lock** **Off**	Controls projector button locking to secure the projector **Full Lock**: locks all buttons **Partial Lock**: locks all buttons except the power button **Off**: no buttons locked

Setting	Options	Description
Power Consumption	**Normal** **Temp Interlock** **ECO**	Selects the brightness mode of the projector lamp **Normal**: sets maximum lamp brightness **Temp Interlock**: automatically dims the lamp if the surrounding temperature is too high for normal operation **ECO**: reduces lamp brightness and fan noise, and saves power and lamp life
Volume	Varying levels available	Adjusts the volume of the projector's speaker system
Remote Receiver	**Front/Rear** **Front** **Rear** **Off**	Limits reception of remote control signals by the selected receiver; **Off** turns off all receivers
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	**Load Memory** **Save Memory** **Erase Memory** **Rename Memory**	Save customized sets of settings to memory

Projector Setup Settings - Extended Menu

Settings on the Extended menu let you customize various projector setup features that control its operation.
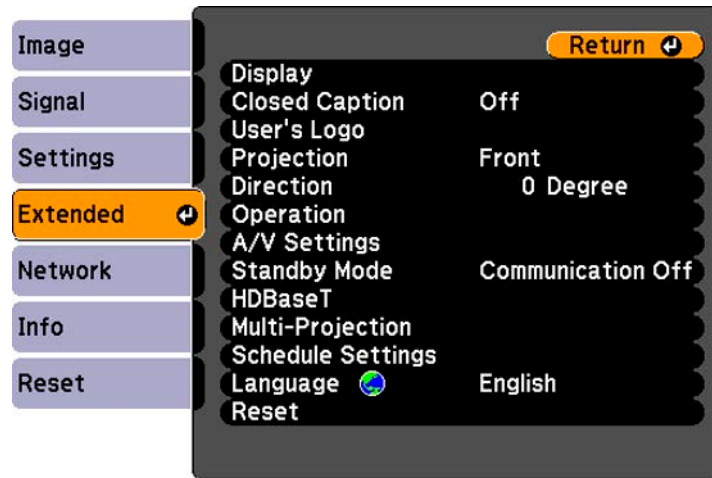
Setting	Options	Description
Display	—	See the next table in this topic
Closed Caption	**Off** **CC1** **CC2**	Controls use of closed captions and selects the closed caption type (closed captions are only visible for NTSC signals connected through the S-Video or Video ports)
User's Logo	—	Creates a screen 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
Direction	Varying levels available	Selects the installation angle for the projector; the projector's fan may get louder depending on the direction angle selected
Operation	—	See the last table in the topic
A/V Settings	**A/V Output** **Monitor Out** **Audio Settings**	Selects various audio and video output settings **A/V Output**: select to output audio and video to an external device when the projector is in standby mode (Standby Mode must be turned on to use this setting) **Monitor Out**: Select the image source to output to an external device when the projector is in standby mode; when set to **Auto**, selects output from the **Computer** or **BNC** port depending on which was used when the projector went into standby mode **Audio Settings**: Selects audio source to output

Setting	Options	Description
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**)
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

Setting	Options	Description
Multi-Projection	**Brightness Level** (not available for PowerLite Pro G6470WU) **Edge Blending** **Multi-screen** **Projector ID**	Select various options when projecting from multiple projectors **Brightness Level**: adjusts the brightness of the lamp; **Power Consumption** in the Settings menu must be set to **Normal** to use this setting **Edge Blending**: blends the border between multiple images to create a seamless screen **Multi-screen**: adjusts the tint and brightness of each projected image **Projector ID**: sets the projector to a particular ID number which allows you to use a remote control to individually control projectors
Schedule Settings	—	Schedule specific operations to occur at a pre-scheduled time
Language	Various languages available	Selects the language for projector menu and message displays (not changed by **Reset** option)

Display settings

Setting	Description
Menu Position	Selects the position of the projector menu displayed on the screen
Messages	Controls whether messages are displayed on the screen

Setting	Description
Display Background	Selects the screen color or logo to display when no signal is received
Startup Screen	Controls whether a special screen appears when the projector starts up
A/V Mute	Selects the screen color or logo to display when A/V Mute is turned on
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
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

Operation settings

Setting	Options	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	1 to 30 minutes	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)

Setting	Options	Description
BNC Sync Termination	—	Sets the termination for the signal from the BNC port (normally should be off unless analog termination such as for switchers is necessary)
Remote Control Type	**Normal** **Simple**	Select **Normal** to use the remote control that came with the projector or **Simple** to use a different Epson projector remote control and disable the remote control that came with the projector
Inv Direction Button	—	Enable this setting if you installed the projector on a ceiling and want to invert the arrow buttons on the control panel
Startup Source Search	—	Automatically detects the image signal when you turn on the projector
A/V Mute Release	**A/V Mute** **All**	Select **A/V Mute** if you want to use only the **A/V Mute** button to turn off A/V mute, or select **All** to use any button to turn it off
Beep	—	Turns on or off the beep that sounds when you turn the projector on or off
Lens Type	Various lens model numbers	Select the model number for the attached lens
Instant Off	**Enabled** **Disabled**	Select **Enabled** to place the projector into standby status after power off or **Disabled** to send the projector into standby status approximately 3 minutes after power off

Setting	Options	Description
Date & Time	—	Adjusts the projector's system time and date settings

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
Net. Info - Wireless LAN (PowerLite Pro G6070W/G6170/G6270W/ G6470WU/G6570WU/G6770WU)	**Connection mode** **Antenna level** **Projector Name** **SSID** **DHCP** **IP Address** **Subnet Mask** **Gateway Address** **MAC Address** **Region Code**	Displays wireless network status and details
Net. Info - Wired LAN	**Projector Name** **DHCP** **IP Address** **Subnet Mask** **Gateway Address** **MAC Address**	Displays wired network status and details
Network Configuration	Accesses additional network menus	Configures your network settings

Parent topic: Adjusting the Menu Settings

Related concepts

Wired Network Projection

Wireless Network Projection

Projector 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.

| Image |
| Signal |
| Settings |
| Extended |
| Network |
| Info |
| Reset |

Return

Projector Info
Version
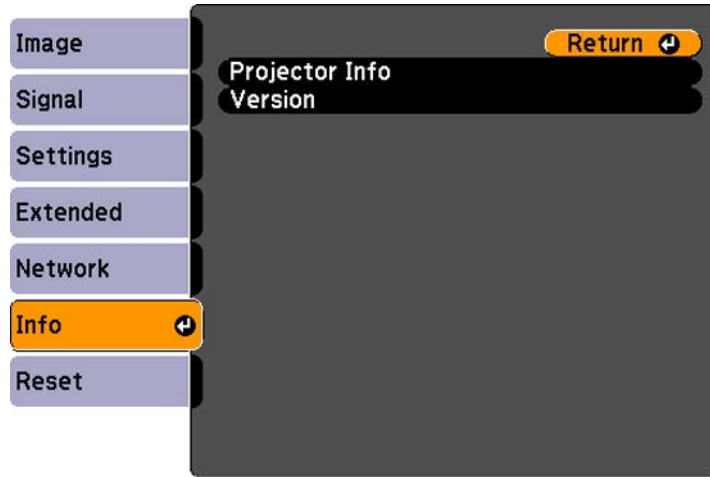
Note: The lamp usage timer does not register any hours until you have used the lamp for at least 10 hours. Available settings depend on the current input source.

Setting	Options	Description
Projector Info	**Lamp Hours**	Displays the number of hours (**H**) the lamp has been used in **Normal** and **ECO** Power Consumption modes; if the information is displayed in yellow, obtain a genuine Epson replacement lamp soon
	Source	Displays the name of the port to which the current input source is connected
	Input Signal	Displays the input signal setting of the current input source
	Resolution	Displays the resolution of the current input source
	Video Signal	Displays the video signal format of the current input source
	Refresh Rate	Displays the refresh rate of the current input source
	Sync Info	Displays information that may be needed by a service technician
	Status	Displays information about projector problems that may be needed by a service technician
	Serial Number	Displays the projector's serial number
	HDBaseT Signal Quality	Displays the image signal information from the HDBaseT port
Version	**Main** **Main2** **Video**	Displays the projector's firmware information

Event ID Code List

Parent topic:

Related references

Event ID Code List

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

Event ID code	Cause and solution
0432	The EasyMP Network Projection program did not start. Turn the projector off and then on again.
0435	
0434	Unstable network communication. Check the network communication status, wait a few moments, and try connecting to the network again.
0481	
0482	
0485	
0433	Cannot display the transferred images. Restart the EasyMP Network Projection program.
0484	Communication with computer was disconnected. Restart the EasyMP Network Projection program.
04FE	The EasyMP Network Projection program quit unexpectedly. Check the network communication status, then turn the projector off and then on again.
04FF	A projector system error has occurred. Turn the projector off and then on again.
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 authentication type does not match. Make sure the wireless network security settings are correct.
0893	The WEP/TKIP/AES encryption type does not match. Make sure the wireless network security settings are correct.
0894	Communication with unauthorized access point was disconnected. Contact your network administrator.

Event ID code	Cause and solution
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. Restart the EasyMP Network Projection program.
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.

Parent topic: Projector Information Display - Info Menu

Projector Reset Options - Reset Menu

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

You can also reset the projector's lamp usage timer to zero when you replace the lamp using the **Reset Lamp Hours** option, or reset the saved names and settings in the Save Memory list using the **Reset Memory** option.
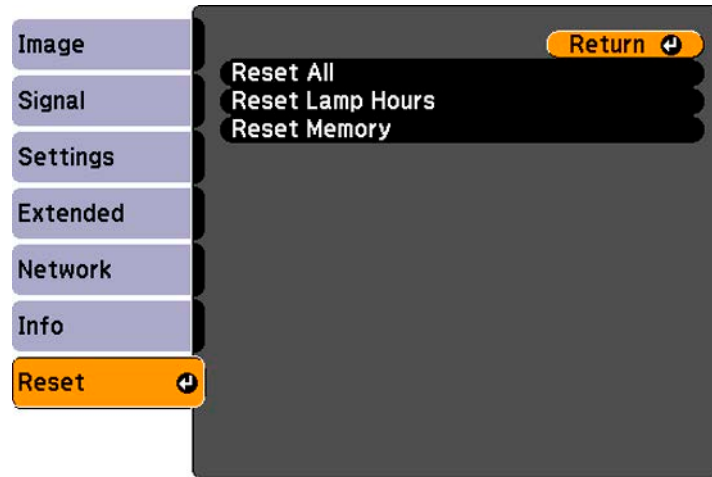
You cannot reset the following settings using the **Reset All** option:

- Input Signal
- User's Logo
- Language
- Network menu items
- Lamp Hours
- Password
- Multi-screen
- Date & Time
- Panel Alignment
- Color Uniformity

Parent topic: Adjusting the Menu Settings

Maintaining and Transporting the Projector

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

Projector Maintenance
Transporting the Projector

Projector Maintenance

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

You may need to clean the 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 lamp, air filter, and remote control batteries. If any other part needs replacing, contact Epson or an authorized Epson servicer.

Warning: Before cleaning any part of the projector, turn it off and unplug the power cord. Never open any cover on the projector, except as specifically explained in this manual. Dangerous electrical voltages in the projector can injure you severely.

Warning: Do not try to service this product yourself, except as specifically explained in this manual. Refer all other servicing to qualified servicers.

Cleaning the Lens
Cleaning the Projector Case
Air Filter and Vent Maintenance
Projector Lamp 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 lamp may cause a fire.

  Caution: 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 and unplug the power cord.

- To remove dust or dirt, use a soft, dry, lint-free cloth.
- To remove stubborn dirt, use a soft cloth moistened with water and mild soap. Do not spray liquid directly on the projector.

  Caution: Do not use wax, alcohol, benzine, paint thinner, or other chemicals to clean the projector case. These can damage the case. Do not use canned air, or the gases may leave a residue.

  Parent topic: Projector Maintenance

Air Filter and Vent Maintenance

Regular filter maintenance is important to maintaining your projector. Your Epson projector is designed with an easily accessible, user-replaceable filter to protect your projector and make regular maintenance simple. Filter maintenance intervals will depend on the environment.

If regular maintenance is not performed, your Epson projector will notify you when the temperature inside the projector has reached a high level. Do not wait until this warning appears to maintain your projector filter as prolonged exposure to high temperatures may reduce the life of your projector or lamp.

Damage due to the failure to properly maintain the projector or its filter may not be covered by the projector or lamp Limited Warranties.

Cleaning the Air Filter
Replacing the Air Filter

Parent topic: Projector Maintenance

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 flashes green.

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

2. Slide the air filter cover latch and open the air filter cover.
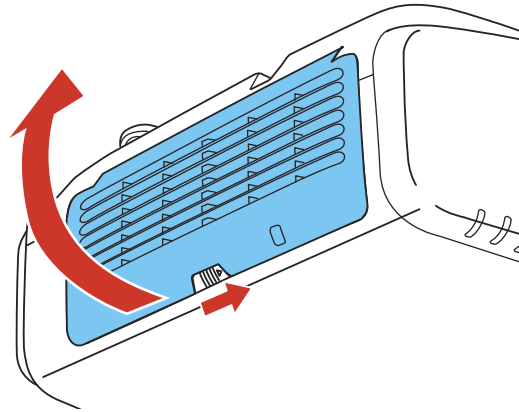
3. Pull the air filter out of the projector.
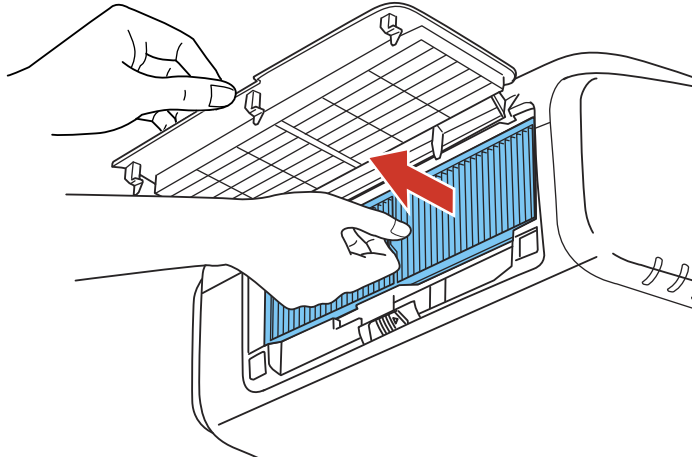
4. Tap each side of the air filter 4 to 5 times to shake off any excess dust.
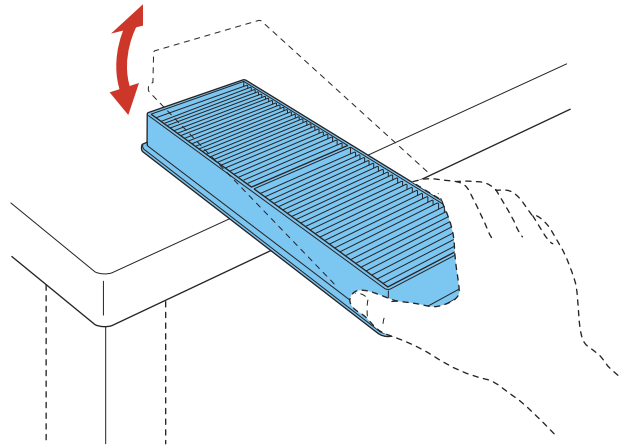
Caution: Do not use excessive force when tapping the air filter, or it may crack and become unusable. Do not rinse the air filter in water, or use any detergent or solvent to clean it. Do not use canned air; the gases may leave a residue, or push dust and debris into the projector's optics or other sensitive areas.

5. Vacuum the front of the air filter (the side with the tabs) to remove any remaining dust.
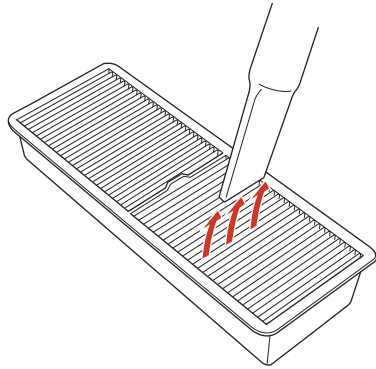
Note: If dust is difficult to remove or the air filter is damaged, replace the air filter.

6. Place the air filter back in the projector as shown and push gently until it clicks into place.
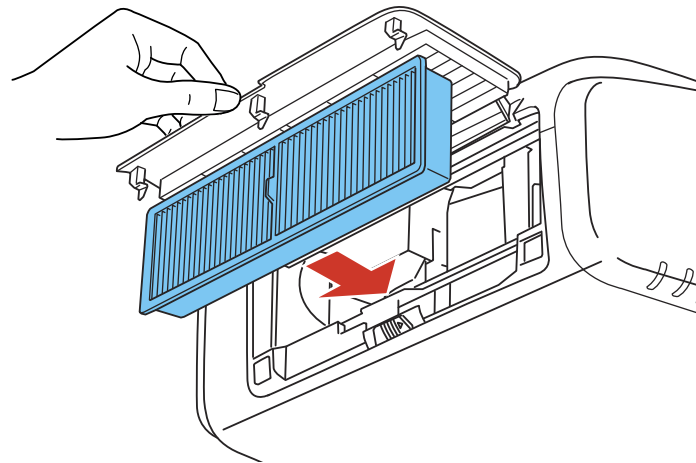
7. Close the air filter cover.

Parent topic: Air Filter and Vent Maintenance

Related references

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 and unplug the power cord.

2. Slide the air filter cover latch and open the air filter cover.
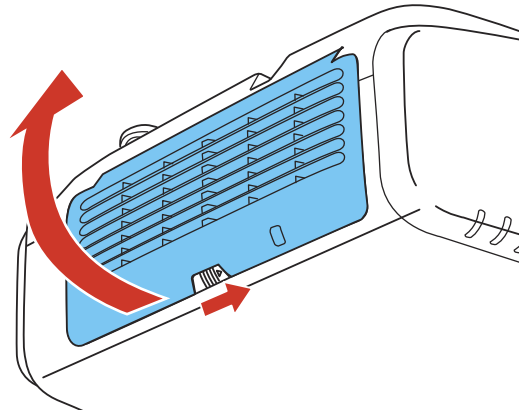
3. Pull the air filter out of the projector.
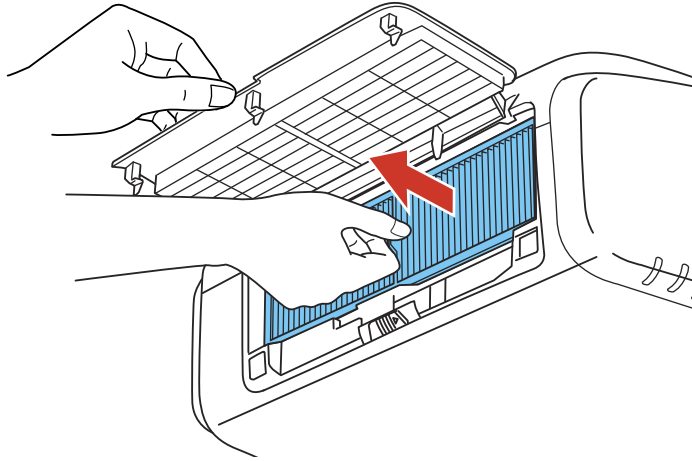

Note: Air filters contain polypropylene. Dispose of used air filters according to local regulations.

4. Place the new air filter in the projector as shown and push gently until it clicks into place.

5. Close the air filter cover.

Parent topic:

Related references

Projector Lamp Maintenance

The projector keeps track of the number of hours the lamp is used and displays this information in the projector's menu system.

Replace the lamp as soon as possible when the following occurs:

- The projected image gets darker or starts to deteriorate
- A message appears when you turn on the projector telling you to replace the lamp
- The projector's lamp light is flashing orange

Parent topic:

Related references

Replacing the Lamp

Before you replace the lamp, let the projector cool down for at least one hour so the lamp will not be hot.

Warning: Let the lamp fully cool before replacing it to avoid injury.

You can replace the lamp while the projector is mounted to the ceiling, if necessary.

1. Turn off the projector and unplug the power cord.
2. Allow the projector lamp to cool down for at least one hour.

3. Use the screwdriver included with the replacement lamp to loosen the screws securing the lamp cover, and then remove the lamp cover.
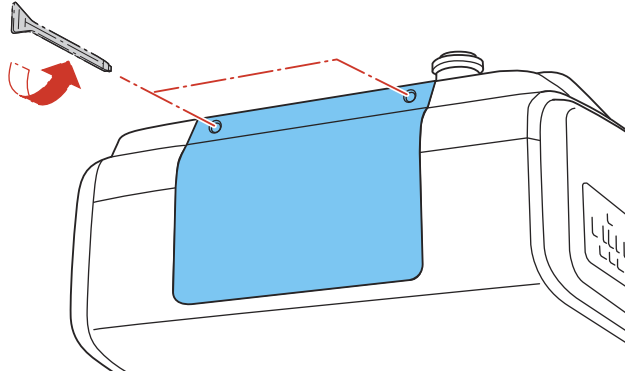
Warning: If the lamp is broken, glass fragments may be loose inside the lamp chamber. Be careful removing any broken glass to avoid injury.

4. Loosen the screws securing the lamp to the projector. The screws do not come all the way out.
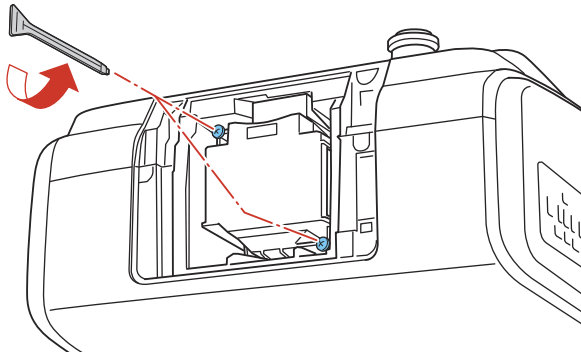
5. Hold the lamp by its handle and gently pull it out of the projector.
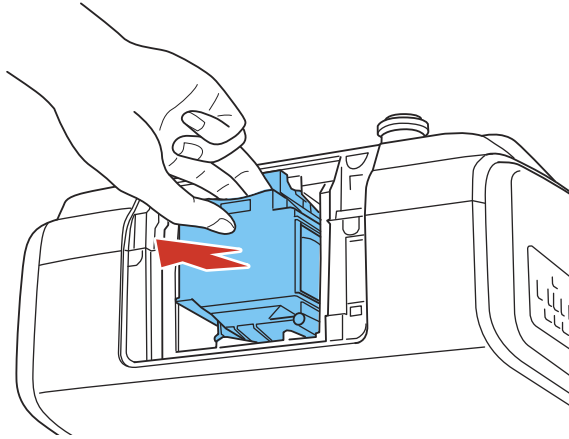
Note: (Hg) The lamp(s) in this product contain mercury. Please consult your state and local regulations regarding disposal or recycling. Do not put in the trash.

6. Gently insert the new lamp into the projector. If it does not fit easily, make sure it is facing the right way.
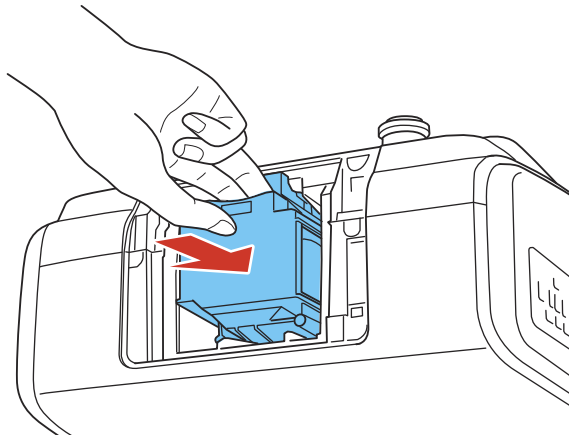
Caution: Do not touch any glass on the lamp assembly to avoid premature lamp failure.

7. Push in the lamp firmly and tighten the screws to secure it.
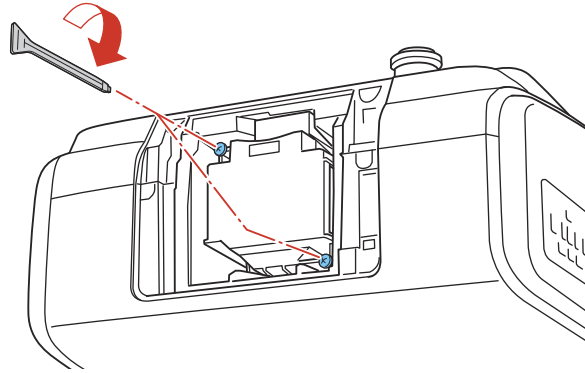
8. Replace the lamp cover and tighten the screws to secure it.
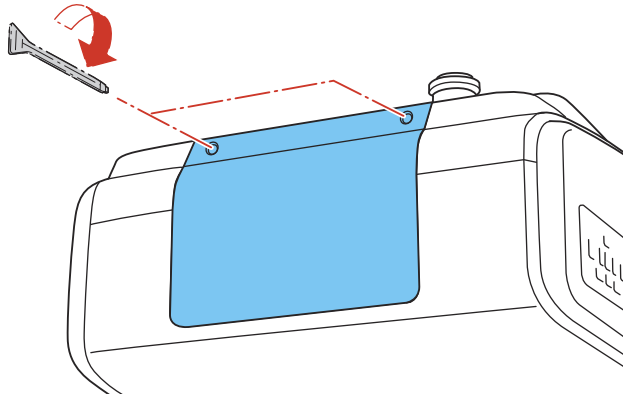
Note: Be sure the lamp cover is securely installed or the lamp will not come on.

Reset the lamp timer to zero to keep track of the new lamp's usage.

Parent topic: Projector Lamp Maintenance

Related references

Optional Equipment and Replacement Parts

Related tasks

Resetting the Lamp Timer

Resetting the Lamp Timer

You must reset the lamp timer after replacing the projector's lamp to clear the lamp replacement message and to keep track of lamp usage correctly.

Note: Do not reset the lamp timer if you have not replaced the lamp to avoid inaccurate lamp usage information.

1. Turn on the projector.

2. Press the **Menu** button.

3. Select the **Reset** menu and press **Enter**.
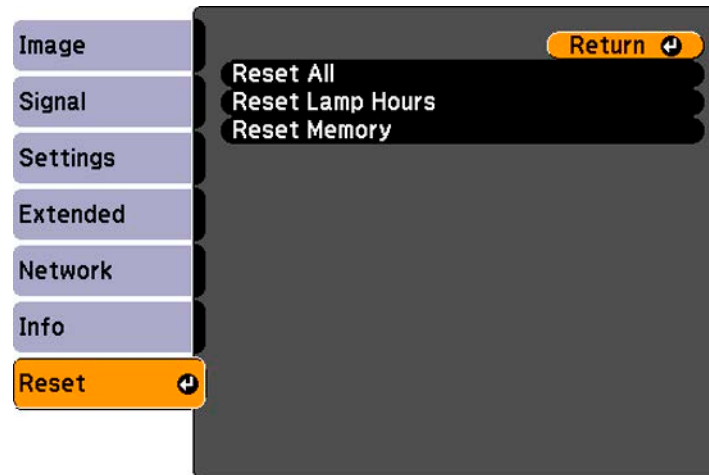
4. Select **Reset Lamp Hours** and press **Enter**.

   You see a prompt asking if you want to reset the lamp hours.

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

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

Parent topic:

Related tasks

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. Open the battery cover as shown.
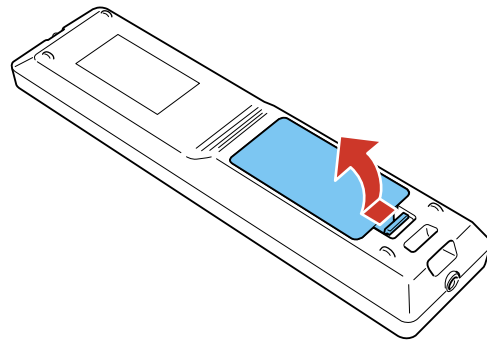
2. Remove the old batteries.

   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.
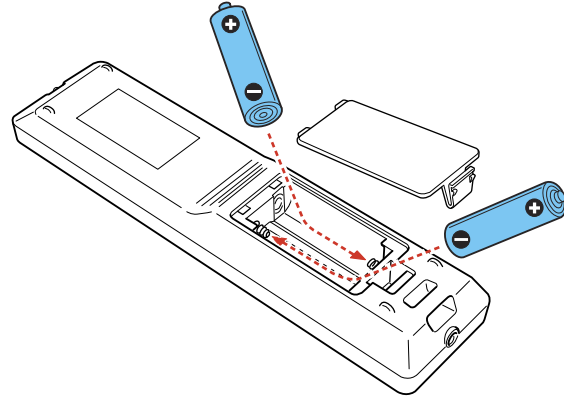
4. Close the battery cover and press it down until it clicks into place.
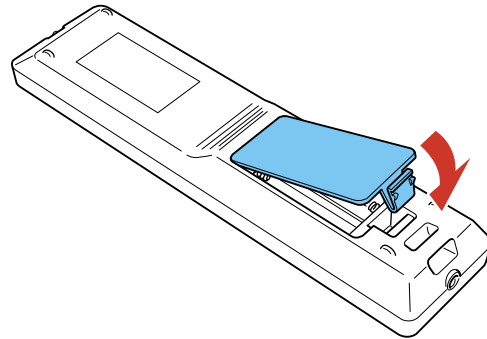
Warning: Dispose of used batteries according to local regulations. Do not expose batteries to heat or flame. Keep batteries out of the reach of children; they are choking hazards and are very dangerous if swallowed.

Parent topic: Projector Maintenance

Related references

Remote Control Operation

Transporting the Projector

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

- Remove any equipment connected to the projector.
- Use two ore more people to unpack or lift the projector.
- Do one of the following:
  - If you are using the standard zoom lens, keep it installed on the projector.
  - If you are using an optional lens, remove it from the projector.
  - If the projector did not come with a lens, attach the cover that was included with the projector to the lens mount.
- Center the lens using lens shift.
- Attach the protective lens pad that was included with the projector.
- When transporting the projector a long distance or as checked luggage, pack it in a firm box with cushioning around it and mark the box "Fragile."
- When shipping the projector for repairs, place it in its original packing materials, if possible, or use equivalent materials with cushioning around the projector. Mark the box "Fragile."

Note: Epson shall not be liable for any damages incurred during transportation.

Parent topic: Maintaining and Transporting the Projector

Related tasks

Adjusting the Image Position Using Lens Shift

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

Using the Projector Help Displays

Solving Image or Sound Problems

Solving Projector or Remote Control Operation Problems

Solving Network Problems

Where to Get Help

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 projector's Help system 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's control panel indicate the projector status and let you know when a problem occurs. Check the status and color of the lights and look for a solution in the table here.
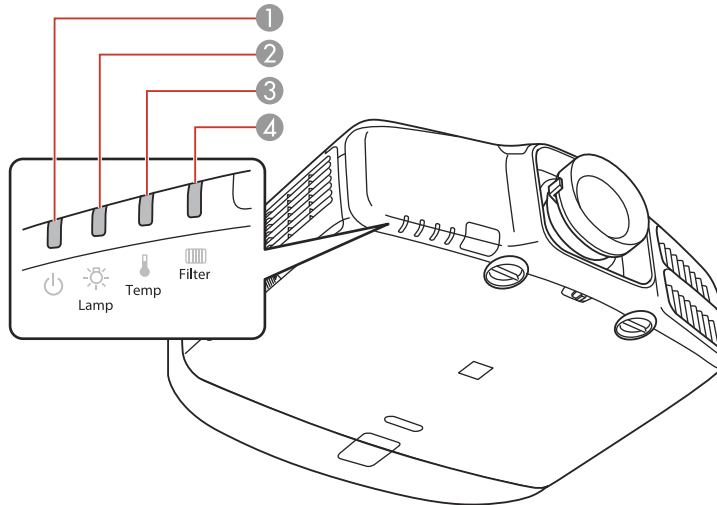
1   Power light

2   Lamp light

3   Temp (temperature) light

4   Filter light

Power light	Lamp light	Temp light	Filter light	Status and solution
Green	Off	Off	Off	Normal operation.
Flashing green	Off	Off	Off	Warming up. Wait for an image to appear.
Orange	Off	Off	Off	Standby or sleep mode.
Flashing orange	Off	Off	Off	Preparing network monitoring or shutting down. (Wait for the light to remain orange before unplugging the projector.)

Power light	Lamp light	Temp light	Filter light	Status and solution
Flashing red	Off	Flashing orange	Off	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.
Red	Off	Red	Off	Projector has overheated and turned off. Leave it turned off to cool down for five 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. • If operating the projector at high altitude, turn on **High Altitude Mode**. • If the problem persists, unplug the projector and contact Epson for help.
Red	Flashing red	Off	Off	Lamp has a problem. • Check to see if the lamp is burned out, broken, or installed incorrectly. Reseat or replace the lamp as necessary. • Make sure that the vents and air filter are not clogged with dust or obstructed by nearby objects. • If operating the projector at high altitude, turn on **High Altitude Mode**. • If the problem persists, unplug the projector and contact Epson for help.
On	Off	Off	Flashing green	It is time to clean the air filter.

Power light	Lamp light	Temp light	Filter light	Status and solution
On	Off	Off	Flashing 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.
Red	Off	Off	Red	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.
On	Flashing orange	Off	Off	The lamp is past its replacement period and needs to be replaced to avoid damage. Do not continue using the projector.
Red	Off	Flashing red	Off	A fan or sensor has a problem. Turn the projector off, unplug it, and contact Epson for help.
Red or flashing red	Flashing red	Flashing red	Off	Internal projector error or air exhaust vent error. Turn the projector off, unplug it, and contact Epson for help.
Light status varies	Flashing orange rapidly	Flashing orange rapidly	Off	When transferring settings between projectors, the settings file may be corrupt or the USB flash drive or USB cable may not be properly connected. Remove the flash drive or cable, unplug the power cord, and try again.

Power light	Lamp light	Temp light	Filter light	Status and solution
Flashing orange rapidly	Flashing orange rapidly	Flashing orange rapidly	Off	When transferring settings between projectors, writing may have failed and a projector error may have occurred. Turn the projector off, unplug it, and contact Epson for help.

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

Parent topic: Solving Problems

Related references

Projector Setup Settings - Extended Menu

Where to Get Help

Related tasks

Cleaning the Air Filter

Replacing the Air Filter

Replacing the Lamp

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 **Help** button on the remote control.

   You see the Help menu.

3. Use the up and down arrow buttons to highlight the problem you want to solve.

4. Press **Enter** to view the solutions.

5. When you are finished, do one of the following:

   • To select another problem to solve, press **Esc**.

   • To exit the help system, press **Help**.

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.

Parent topic:

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 power button to wake it from standby or sleep mode. Also see if your connected computer is in sleep mode or displaying a blank screen saver.

- Press the **Menu** button. If the projector menu is able to display, there may be a problem with the connected video source, cable connection, or port.

- Check the settings on the Signal menu to make sure they are correct for the current video source.

- Adjust the **Brightness** setting or select the **Normal** Power Consumption setting.

- Check the **Display** setting to make sure **Messages** is set to **On**.

- If the projector does not respond when you press the control panel buttons, the buttons may be locked. Unlock the buttons.

- If the projector does not respond when you press buttons on the remote control, make sure the remote receivers are turned on.

- For images projected with Windows Media Center, reduce the screen size from full screen mode.

- For images projected from applications using Windows DirectX, turn off DirectX functions.

- For sources connected to the **DisplayPort**, change the **DisplayPort EQ Setting** in the Signal menu.

Parent topic: Solving Image or Sound Problems

Related concepts

Projector Connections

Related references

Image Quality Settings - Image Menu

Input Signal Settings - Signal Menu

Projector Feature Settings - Settings Menu

Related tasks

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.
- 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.

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 labelled with a monitor icon or **CRT/LCD**. (See your laptop manual for details.) Wait a few seconds for an image to appear.

2. To display on both the laptop's monitor and the projector, try pressing the same keys again.

3. 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.)

4. If necessary, check your video card settings and set the multiple display option to **Mirror** or **Duplicate**.

Parent topic: Solutions When "No Signal" Message Appears

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**.

2. Click the **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 for the screen being used.

• Make sure the **Scale** setting in the Extended menu is turned off.

- 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.
- 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.)

Parent topic: Solving Image or Sound Problems

Related references

Input Signal Settings - Signal Menu
Projector Setup Settings - Extended Menu
Supported Video Display Formats

Related tasks

Setting the Screen Type

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.
- Adjust the image shape using the **Geometric Correction** menu settings.

Parent topic: Solving Image or Sound Problems

Related concepts

Image Shape

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
  - No longer than 10 feet (3 m) for VGA/computer cables or 24 feet (7.3 m) for HDMI cables
- Check the settings on the projector's Signal menu to make sure they match the video source. If available for your video source, adjust the **Progressive** and **Noise Reduction** settings.
- 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 connected an extension power cable, try projecting without it to see if it caused interference in the signal.
- For sources connected to the **DisplayPort**, change the **DisplayPort EQ Setting** in the Signal menu.

Parent topic: Solving Image or Sound Problems

Related references

Input Signal Settings - Signal Menu
Supported Video Display Formats

Related tasks

Displaying From a PC Laptop
Displaying From a Mac Laptop

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 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.
- If you are projecting from a computer, use a lower resolution or try to match the projector's native resolution.

Parent topic: Solving Image or Sound Problems

Related references

Input Signal Settings - Signal Menu
Image Quality Settings - Image Menu
Projection Distance
Supported Video Display Formats

Related tasks

Focusing the Image Using the Focus Ring
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**, **Color Adjustment**, and/or **Color Saturation**.
- Make sure you selected the correct **Input Signal** or **Video Signal** setting on the Signal menu, if available for your image source.
- Make sure all the cables are securely connected to the projector and your video device. If you connected long cables, try connecting shorter cables.

- If you are using the **ECO** Power Consumption setting, try selecting **Normal** or **Temp Interlock** in the projector's menus.

- Position the projector close enough to the screen.

- If the image has been progressively darkening, you may need to replace the projector lamp soon.

Parent topic: Solving Image or Sound Problems

Related concepts

Projector Lamp Maintenance

Related references

Input Signal Settings - Signal Menu

Image Quality Settings - Image Menu

Projector Feature Settings - Settings Menu

Solutions to Sound Problems

If there is no sound when you expect it or the volume is too low or high, try the following solutions:

- Adjust the projector's volume settings.

- Press the **A/V Mute** button on the remote control to resume video and audio if they were temporarily stopped.

- Press the **Source Search** 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.

- 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.

- You must connect external speakers to the projector to hear sound (PowerLite Pro G6870/G6970WU).

- Make sure the **Audio Settings** option is set to the correct audio port for your video device.

- If you turn the projector on immediately after turning it off, the cooling fans may run at high speed momentarily and cause an unexpected noise. This is normal.

Parent topic: Solving Image or Sound Problems

Related references

Projector Setup Settings - Extended Menu

Related tasks

Connecting to a Computer for Sound

Connecting to a Video Source for Sound

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 Problems with the Remote Control

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 lamp shuts off unexpectedly, it may have entered standby mode after a period of inactivity. Press the power button to wake the projector and adjust the Sleep Mode Timer setting to change the sleep interval.

- If the projector's lamp shuts off and the power and Temp lights are red, the projector has overheated and shut off. Check the solutions for this light status.

- If the power button on the remote control does not turn on the projector, check its batteries and make sure the **Remote Receiver** setting is turned on in the projector's menu, if available.

- The power cord may be defective. Disconnect the cord and contact Epson.

Parent topic: Solving Projector or Remote Control Operation Problems

Related references

Projector Feature Settings - Settings Menu

Related tasks

Solutions to Problems with the Remote Control

If the projector does not respond to remote control commands, try the following solutions:

- Check that the remote control batteries are installed correctly and have power. If necessary, replace the batteries.

- Make sure you are operating the remote control within the reception angle and range of the projector.

- Make sure the projector is not warming up or shutting down.

- Check to see if a button on the remote control is stuck down, causing it to enter sleep mode. Release the button to wake the remote control up.

- Strong fluorescent lighting, direct sunlight, or infrared device signals may be interfering with the projector's remote receivers. Dim the lights or move the projector away from the sun or interfering equipment.

- 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 off one of the remote receivers in the projector's menu system, or check if all the remote receivers were turned off.

- If you assigned an ID number to the remote control to operate multiple projectors, you may need to check or change the ID setting (feature not available with all projectors).

- Make sure the **Remote Control Type** setting in the Extended menu is set to **Normal** if you are using the remote control that came with the projector.

- If you lose the remote control, you can order another one from Epson.

Parent topic: Solving Projector or Remote Control Operation Problems

Related references

Projector Feature Settings - Settings Menu

Optional Equipment and Replacement Parts

Remote Control Operation

Solutions to Password Problems

If you cannot enter or remember a password, try the following solutions:

- You may have turned on password protection without first setting a password. Try entering **0000** using the remote control.

- If you have entered an incorrect password too many times and see a message displaying a request code, write down the code and contact Epson. Do not attempt to enter the password again. Provide the request code and proof of ownership for assistance in unlocking the projector.

- If you set a Web Control password and forgot the user ID or password, try entering the following:

  - User ID: **EPSONWEB**

  - Default password: **admin**

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

Parent topic: Solving Projector or Remote Control Operation Problems

Solving Network Problems

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

Solutions When You Cannot Access the Projector Through the Web
Solutions When Network Alert E-Mails are Not Received
Solutions When You Cannot Access the Projector Using iProjection

Parent topic: Solving Problems

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 **admin**.

- Make sure you have access to the network the projector is on.

Note: The user ID and password are case sensitive.

Parent topic: Solving Network Problems

Solutions When Network Alert E-Mails are Not Received

If you do not receive an e-mail alerting you to problems with a projector over the network, try the following solutions:

- Make sure the projector is turned on and connected to the network correctly. (If an error shut down the projector, it cannot send an e-mail.)

- Make sure you set up the projector e-mail alert settings correctly on the projector's network Mail menu or in the network software.

- Set the **Standby Mode** setting to **Communication On** so the network software can monitor the projector in standby mode.

Parent topic: Solving Network Problems

Related references
Projector Setup Settings - Extended Menu

Related tasks
Setting Up Projector Network E-Mail Alerts

Solutions When You Cannot Access the Projector Using iProjection

If you are using **Quick** connection mode and are unable to access the projector through an Android device using iProjection, make sure the **SSID Auto Setting** is set to **On**.

Parent topic: Solving Network Problems

Related references
Wireless LAN Menu Settings

Where to Get Help

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

Internet Support

Visit Epson's support website at epson.com/support (U.S.) or epson.ca/support (Canada) 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). Or you can purchase online at epsonstore.com (U.S. sales) or epson.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

Technical Specifications

These sections list the technical specifications of your projector.

General Projector Specifications

Type of display	Poly-silicon TFT active matrix
Resolution	**PowerLite Pro G6070W/G6270W**:
	1280 × 800 pixels (WXGA)
	PowerLite Pro G6170/G6870:
	1024 × 768 pixels (XGA)
	PowerLite Pro G6470WU/G6570WU/G6770WU/G6970WU:
	1920 × 1200 pixels (WUXGA)
Lens	F=1.65 to 2.55
	Focal length: 21.34 to 37.99 mm
Color reproduction	Full color, up to 1 billion colors
Brightness	**PowerLite Pro G6070W**:
	Normal or Temp Interlock Power Consumption mode:
	White light output 5500 lumens (ISO 21118 standard)
	Color light output 5500 lumens
	ECO Power Consumption mode:
	White light output 4455 lumens (ISO 21118 standard)

PowerLite Pro G6170:

Normal or Temp Interlock Power Consumption mode:

White light output 6500 lumens (ISO 21118 standard)

Color light output 6500 lumens

ECO Power Consumption mode:

White light output 4940 lumens (ISO 21118 standard)

PowerLite Pro G6270W:

Normal or Temp Interlock Power Consumption mode:

White light output 6500 lumens (ISO 21118 standard)

Color light output 6500 lumens

ECO Power Consumption mode:

White light output 4550 lumens (ISO 21118 standard)

PowerLite Pro G6470WU:

Normal or Temp Interlock Power Consumption mode:

White light output 4500 lumens (ISO 21118 standard)

Color light output 4500 lumens

ECO Power Consumption mode:

White light output 3915 lumens (ISO 21118 standard)

PowerLite Pro G6570WU:

Normal or Temp Interlock Power Consumption mode:

White light output 5200 lumens (ISO 21118 standard)

Color light output 5200 lumens

ECO Power Consumption mode:

White light output 3952 lumens (ISO 21118 standard)

PowerLite Pro G6770WU/G6970WU:

Normal or Temp Interlock Power Consumption mode:

White light output 6000 lumens (ISO 21118 standard)

Color light output 6000 lumens

ECO Power Consumption mode:

White light output 4200 lumens (ISO 21118 standard)

PowerLite Pro G6870:

Normal or Temp Interlock Power Consumption mode:

White light output 7000 lumens (ISO 21118 standard)

Color light output 7000 lumens

ECO Power Consumption mode:

White light output 4900 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	5000:1 with Auto Iris on and Normal Power Consumption mode
Image size	50 inches (1.27 m) to 300 inches (7.62 m)
Projection distance	**PowerLite Pro G6170/G6870**:
	51 inches (1.30 m) to 570 inches (14.47 m)
	PowerLite Pro G6070W/G6270W/G6470WU/G6570WU/G6770WU/G6970WU:
	53 inches (1.35 m) to 591 inches (15.01 m)
Projection methods	Front, rear, ceiling-mounted
Optical aspect ratio	**PowerLite Pro G6170/G6870**:
(width-to-height)	4:3
	PowerLite Pro G6070W/G6270W/G6470WU/G6570WU/G6770WU/G6970WU:
	16:10

Focus adjustment	Manual
Zoom adjustment	Manual
Zoom ratio	1:1.8
(Tele-to-Wide)	
Internal sound system	**PowerLite Pro G6070W/G6170/G6270W/G6470WU/G6570WU/G6770WU**:
	10 W monaural
	PowerLite Pro G6870/G6970WU:
	N/A
Noise level	**PowerLite Pro G6070W/G6170/G6570WU**:
	37 dB (Normal Power Consumption mode)
	31 dB (ECO Power Consumption mode)
	PowerLite Pro G6470WU:
	34 dB (Normal Power Consumption mode)
	31 dB (ECO Power Consumption mode)
	PowerLite Pro G6270W/G6770WU/G6870/G6970WU:
	39 dB (Normal Power Consumption mode)
	31 dB (ECO Power Consumption mode)
Keystone correction angle	Vertical: ± 30º (with standard lens)
	Horizontal: ± 30º (with standard lens)
Lens shift range	**PowerLite Pro G6170/G6870**:
(approximate)	Vertical: ±57% (Manual)
	Horizontal: ±30% (Manual)
	PowerLite Pro G6070W/G6270W/G6470WU/G6570WU/G6770WU/G6970WU:
	Vertical: ±67% (Manual)
	Horizontal: ±30% (Manual)

Parent topic: Technical Specifications

Projector Lamp Specifications

Type	UHE (Ultra High Efficiency)
Power consumption	380 W
Lamp life	**PowerLite Pro G6070W/G6470WU**:
	Normal Power Consumption mode:
	Up to about 3000 hours
	ECO Power Consumption mode:
	Up to about 4000 hours
	PowerLite Pro G6170/G6570WU:
	Normal Power Consumption mode:
	Up to about 2500 hours
	ECO Power Consumption mode:
	Up to about 4000 hours
	PowerLite Pro G6270W/G6770WU/G6870/G6970WU:
	Normal Power Consumption mode:
	Up to about 2000 hours
	ECO Power Consumption mode:
	Up to about 4000 hours

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

Parent topic: Technical Specifications

Remote Control Specifications

Reception range	49 feet (15 m)
Batteries	Two alkaline or manganese AA

Parent topic: Technical Specifications

Projector Dimension Specifications

Height (excluding feet)	5.7 inches (144 mm)
Width	19.9 inches (505 mm)
Depth	15.0 inches (382 mm)
Weight (with standard lens and without cable cover)	**PowerLite Pro G6070W/G6170/G6270W/G6470WU/G6570WU/G6770WU**: 21.8 lb (9.9 kg) **PowerLite Pro G6870/G6970WU**: 21.4 lb (9.7 kg) (The standard lens weighs approximately 1.61 lbs [0.73 kg].)

Parent topic: Technical Specifications

Projector Electrical Specifications

Rated frequency	50/60 Hz
Power supply	100 to 240 VAC ±10% **PowerLite Pro G6070W**: 5.0 to 2.2 A **PowerLite Pro G6170/G6570WU**: 5.3 to 2.3 A **PowerLite Pro G6470WU**: 4.7 to 2.1 A **PowerLite Pro G6270W/G6770WU/G6870/G6970WU**: 5.7 to 2.5 A

Power consumption

(100 to 120 V)

Operating:

PowerLite Pro G6070W:

Normal Power Consumption mode: 498 W

ECO Power Consumption mode: 421 W

PowerLite Pro G6170/G6570WU:

Normal Power Consumption mode: 528 W

ECO Power Consumption mode: 421 W

PowerLite Pro G6470WU:

Normal Power Consumption mode: 468 W

ECO Power Consumption mode: 421 W

PowerLite Pro G6270W/G6770WU/G6870/G6970WU:

Normal Power Consumption mode: 568 W

ECO Power Consumption mode: 421 W

Standby:

0.31 W (Communication Off), 2.8 W (Communication On)

Power consumption	Operating:
(220 to 240 V)	**PowerLite Pro G6070W**:
	Normal Power Consumption mode: 477 W
	ECO Power Consumption mode: 405 W
	PowerLite Pro G6170/G6570WU:
	Normal Power Consumption mode: 504 W
	ECO Power Consumption mode: 405 W
	PowerLite Pro G6470WU:
	Normal Power Consumption mode: 449 W
	ECO Power Consumption mode: 405 W
	PowerLite Pro G6270W/G6770WU/G6870/G6970WU:
	Normal Power Consumption mode: 542 W
	ECO Power Consumption mode: 405 W
	Standby:
	0.41 W (Communication Off), 3.3 W (Communication On)

Parent topic:

Projector Environmental Specifications

Temperature	Operating: 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:

Projector Safety and Approvals Specifications

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

Parent topic: Technical Specifications

Supported Video Display Formats

For best results, your computer's monitor port or video card resolution should be set to display in the projector's native resolution. However, your projector includes Epson's SizeWise chip that supports other computer display resolutions, so your image will be resized to fit automatically.

Your computer's monitor port or video card refresh rate (vertical frequency) must be compatible with the projector. (See your computer or video card manual for details.)

The table here lists the compatible refresh rate and resolution for each compatible video display format.

Display format	Refresh rate (in Hz)	Resolution (in pixels)
Computer signals (analog RGB)		
VGA	60/72/75/85	640 × 480
SVGA	56/60/72/75/85	800 × 600
XGA	60/70/75/85	1024 × 768
WXGA	60	1280 × 768
	60	1366 × 768
	60/75/85	1280 × 800
WXGA+	60/75/85	1440 × 900
WXGA++	60	1600 × 900
SXGA	70/75/85	1152 × 864
	60/75/85	1280 × 960
	60/75/85	1280 × 1024

Display format	Refresh rate (in Hz)	Resolution (in pixels)
SXGA+	60/75	1400 × 1050
WSXGA+[1]	60	1680 × 1050
UXGA	60	1600 × 1200
WUXGA[2, 3]	60	1920 × 1200
MAC13"	67	640 × 480
MAC16"	75	832 × 624
MAC19"	75	1024 × 768
	59	1024 × 768
MAC21"	75	1152 × 870
Composite video		
TV (NTSC)	60	720 × 480
TV (PAL)	50/60	720 × 576
TV (SECAM)	50	720 × 576
Component video		
SDTV (480i)	60	720 × 480
SDTV (576i)	50	720 × 576
SDTV (480p)	60	720 × 480
SDTV (576p)	50	720 × 576
HDTV (720p)	50/60	1280 × 720
HDTV (1080i)	50/60	1920 × 1080
HDTV (1080p)[4]	50/60	1920 × 1080
HDMI, DisplayPort, and HDBaseT input signals		
VGA	60	640 × 480
SVGA	60	800 × 600
XGA	60	1024 × 768

Display format	Refresh rate (in Hz)	Resolution (in pixels)
WXGA	60	1280 × 768[5]
	60	1280 × 800
	60	1366 × 768
WXGA+	60	1440 × 900
WXGA++	60	1600 × 900
WSXGA+[6]	60	1680 × 1050
SXGA	60	1280 × 960
	60	1280 × 1024
SXGA+	60	1400 × 1050
UXGA	60	1600 × 1200
WUXGA[3, 7]	60	1920 × 1200
SDTV (480i[8]/480p)	60	720 × 480
SDTV (576i[8]/576p)	50	720 × 576
HDTV (720p)	50/60	1280 × 720
HDTV (1080i)	50/60	1920 × 1080
HDTV (1080p)	24[8]/30[8]/50/60	1920 × 1080
SDI input signals (PowerLite Pro G6970WU)		
SDTV (480i)	60	720 × 480
SDTV (576i)	50	720 × 576
HDTV (720p)	50/60	1280 × 720
HDTV (1080i)	50/60	1920 × 1080
HDTV (1080p)	24/25/30	1920 × 1080

[1] Only compatible when **Wide** is selected as the **Resolution** setting (PowerLite Pro G6070W/G6270W/G6470WU/G6570WU/G6770WU/G6970WU only)

[2] PowerLite Pro G6470WU/G6570WU/G6770WU/G6970WU only

[3] Compatible only with VESA CVT-RB (Reduced Blanking) input signal

[4] Input signals only from the **Computer** port (PowerLite Pro G6070W/G6170/G6270W/G6870)

[5] DisplayPort input only

[6] PowerLite Pro G6070W/G6270W/G6470WU/G6570WU/G6770WU/G6970WU only

[7] Input signals only from the **HDMI** port (PowerLite Pro G6070W/G6170/G6270W/G6870)

[8] HDMI input only

Parent topic: Technical Specifications

Notices

Check these sections for important notices about your projector.

Recycling
Important Safety Information
Important Safety Instructions
FCC Compliance Statement
Trademarks
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Recycling

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 lamp is turned on; the bright light can damage your eyes. Never let children look into the lens when it is on. Never open any cover on the projector, except the lamp and filter covers. Dangerous electrical voltages inside the projector can severely injure you. Except as specifically explained in this *User's Guide*, do not attempt to service this product yourself. Refer all servicing to qualified service personnel.

Warning: The projector and its accessories come packaged in plastic bags. Keep plastic bags away from small children to avoid any risk of suffocation.

Caution: When you replace the lamp, never touch the new lamp with your bare hands; the invisible residue left by the oil on your hands may shorten the lamp life. Use a cloth or glove to handle the new lamp.

Parent topic: Notices

Important Safety Instructions

Follow these safety instructions when setting up and using the projector:

- Do not look into the lens when the projector is on. The bright light can damage your eyes. Avoid standing in front of the projector so the bright light does not shine into your eyes.
- Do not place the projector on an unstable cart, stand, or table.
- Do not operate the projector on its side, or while tilted to one side.
- If the projector is mounted on a ceiling or wall, it should be installed by qualified technicians using mounting hardware designed for use with this projector.
- When installing or adjusting a ceiling or wall mount, do not use adhesives to prevent the screws from loosening and do not use oils or lubricants. This may cause the projector case to crack and the projector to fall from its ceiling mount. This could cause serious injury to anyone under the mount and could damage the projector.
- Do not use the projector near water, sources of heat, high-voltage electrical wires, or sources of magnetic fields.
- Use the type of power source indicated on the projector. Use of a different power source may result in fire or electric shock. If you are not sure of the power available, consult your dealer or power company.
- Place the projector near a wall outlet where the plug can be easily unplugged.
- Take the following precautions when handling the plug: Do not hold the plug with wet hands. Do not insert the plug into a dusty outlet. Insert the plug firmly into the outlet. Do not pull the power cord when disconnecting the plug; always be sure to hold the plug when disconnecting it. Do not overload wall outlets, extension cords, or power strips. Failure to comply with these precautions could result in fire or electric shock.
- Do not place the projector where the cord can be walked on. This may result in fraying or damage to the plug.
- Unplug the projector from the wall outlet 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 air exhaust vent.
- 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 20 inches (50 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 of 32 to 113 °F (0 to 45 °C). Doing so may cause an unstable display and could lead to projector damage. Do not use or store the projector where it may be exposed to sudden changes in temperature.

- Do not store the projector outside of the required temperature range of 14 to 140 °F (−10 to 60 °C) or in direct sunlight for long periods of time. Doing so may cause damage to the case.

- Do not place anything that can become warped or damaged by heat near the exhaust vents. Do not bring your hands or face close to the vents while projection is in progress. Do not bring your face close to the projector while it is in use.

- Before you move the projector, make sure its power is turned off, the plug is disconnected from the outlet, and all cables are disconnected.

- Never try to remove the lamp immediately after use because it will be extremely hot. Before removing the lamp, turn off the power and wait at least an hour to allow the lamp to cool completely.

- Do not disassemble the lamp or subject it to impacts.

- Do not place the source of an open flame, such as a lit candle, on or near the projector.

- Do not 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.

- If the lamp breaks, ventilate the room to prevent gases contained in the lamp from being inhaled or coming in contact with your eyes or mouth. If you do inhale gases or gases come in contact with your eyes or mouth, seek medical advice immediately.

- If the projector is mounted overhead and the lamp breaks, be careful to prevent pieces of glass from falling into your eyes or mouth when you open the lamp cover. If pieces of glass do get into your eyes or mouth, seek medical advice immediately.

- Always lower the volume before turning off the projector. Turning on the projector with the volume too high can damage your ears.

- Always attach the lens cover to the lens when not using the projector to prevent the lens from becoming dirty or damaged.

Note: (Hg) The lamp(s) in this product contain mercury. Please consult your state and local regulations regarding disposal or recycling. Do not put in the trash.

WARNING: The cords included with this product contain chemicals, including lead, known to the State of California to cause birth defects or other reproductive harm. ***Wash hands after handling.*** (This notice is provided in accordance with Proposition 65 in Cal. Health & Safety Code § 25249.5 and following.)

Restriction of Use

Parent topic: Notices

Restriction of Use

When this product is used for applications requiring high reliability/safety such as transportation devices related to aviation, rail, marine, automotive; disaster prevention devices; various safety devices; or functional/precision devices, you should use this product only after giving consideration to including fail-safes and redundancies into your design to maintain safety and total system reliability.

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

Parent topic: Important Safety Instructions

FCC Compliance Statement

For United States Users

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference to radio and television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

• Reorient or relocate the receiving antenna.

• Increase the separation between the equipment and receiver.

• Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

• Consult the dealer or an experienced radio/TV technician for help.

WARNING

The connection of a non-shielded equipment interface cable to this equipment will invalidate the FCC Certification or Declaration of this device and may cause interference levels which exceed the limits established by the FCC for this equipment. It is the responsibility of the user to obtain and use a shielded equipment interface cable with this device. If this equipment has more than one interface connector, do not leave cables connected to unused interfaces. Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

For Canadian Users

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

Parent topic: Notices

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EXCEED YOUR VISION

Parent topic: Notices

Open Source Software License

GNU GPL

This projector product includes the open source software programs which apply the GNU General Public License Version 2 or later version ("GPL Programs").

We provide the source code of the GPL Programs until five (5) years after the discontinuation of same model of this projector product.

If you desire to receive the source code of the GPL Programs, contact Epson as described in the *User's Guide*.

These GPL Programs are WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

The list of GPL Programs is as follows and the names of author are described in the source code of the GPL Programs

The list of GPL Programs

busybox-1.13.4

iptables-1.4.4

libgcc1(gcc-4.3.3)

libstdc++-6.0.10

linux-2.6.27

patches

udhcp 0.9.8

uvc rev.219

wireless_tools 29

EPSON original drivers

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Version 2, June 1991

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