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PROJECTOR OWNER'S MANUAL

# Epson
# D6155W

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# PowerLite® D6150/D6155W/D6250
# User's Guide

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# Introduction to Your Projector

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

Projector Features
Notations Used in the Documentation
Where to Go for Additional Information
Projector Parts Locations

## Projector Features

The PowerLite D6150, D6155W, and D6250 projectors include these special features:

**Bright, high-resolution projection system**

- PowerLite D6150/D6155W: Up to 3500 lumens of brightness (white light output and color light output)
  PowerLite D6250: Up to 4000 lumens of brightness (white light output and color light output)
- PowerLite D6150/D6250: Native resolution of 1024 × 768 pixels (XGA)
  PowerLite D6155W: Native resolution of 1280 × 800 pixels (WXGA)

**Flexible connectivity**

- HDMI port for computer or video device connection
- Wired network support
- Projector monitoring and control via remote network computer
- Optional wireless network support, including video and audio transfer
- PC Free presentations via connected USB memory devices or Epson document camera
- Dual VGA ports for connections by multiple presenters
- Port for connecting an external monitor or second projector

**Innovative display and operation features**

- Split screen feature for projecting two images at the same time
- Low total cost of ownership with sealed body, electrostatic filter, and longer lamp and filter life
- Support for Crestron RoomView network monitoring systems
- Epson Instant Off and Direct Power On features for quick setup and shut down

- Network message broadcast system to project timely messages to all networked projectors (Windows only)

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

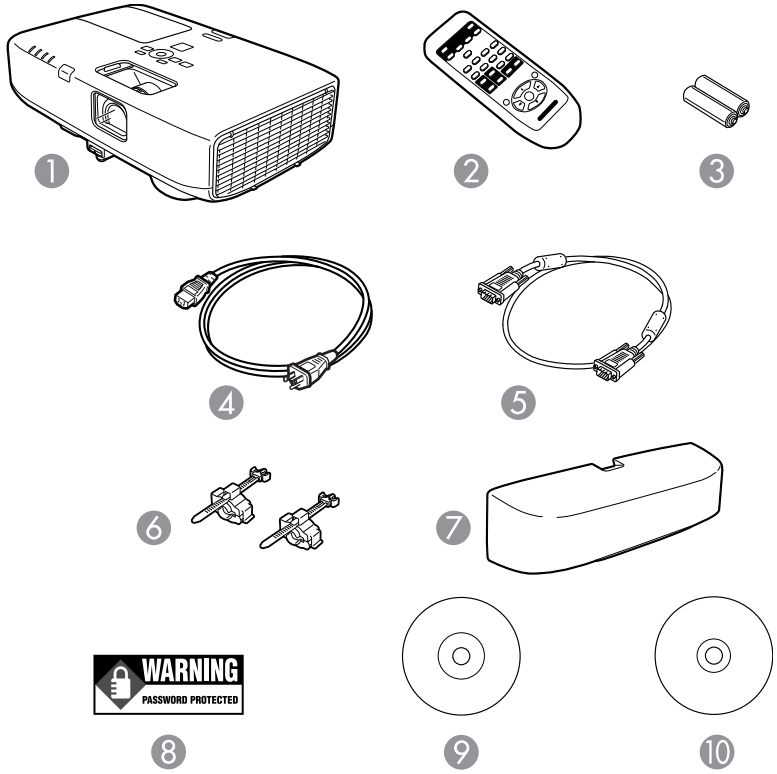
**Parent topic:** Introduction to Your Projector

**Related concepts**
Projector Parts 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
2 Remote control
3 Remote control batteries (two AA alkaline)
4 Power cord
5 VGA computer cable
6 Cable clips
7 Cable cover
8 Password Protected sticker
9 Projector documentation CD
10 Projector software CD

**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 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 D-sub, 15-pin, component-to-VGA video cable. You can purchase one from Epson or an authorized Epson reseller.
- To receive an HDMI signal, you need a compatible HDMI cable. See your local computer or electronics dealer for purchase information.
- 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.

**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 www.epsonstore.com (U.S. sales) or www.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 (PowerLite D6250/D6155W) | V13H010L64 |
| Genuine Epson Replacement lamp (PowerLite D6150) | V13H010L61 |
| Replacement air filter | V13H134A30 |
| Wireless LAN module (ELPAP07) | V12H418P12 |
| Quick Wireless Connection USB key (ELPAP08) | V12H005M08 |
| Epson DC-11 document camera | V12H377020 |
| Epson DC-10s document camera | ELPDC10S |
| BrightLink Solo interactive module | V12H415020 |
| BrightLink Solo interactive module with RM Easiteach | V12H415020RM |

| Option or part | Part number |
|---|---|
| AP-60 Projector Sound Solution | V12H329020 |
| Universal projector ceiling mount | ELPMBPJF |
| Adjustable suspended ceiling channel kit | ELPMBP01 |
| False ceiling plate kit | ELPMBP02 |
| Structural Round ceiling plate | ELPMBP03 |
| Adjustable Extension Column (pipe) 8" - 11" (20 to 28 cm) | ELPMBC01 |
| Kensington security lock | ELPSL01 |
| Accolade Duet portable projector screen | ELPSC80 |
| ES-3000 Ultra portable projector screen | V12H002S3Y |
| 50-inch portable screen | ELPSC06 |
| Component-to-VGA video cable (ELPKC19) | V12H005C19 |
| Remote control | 1541653 |
| 1-Year Extended Depot Repair Service Plan | EPPFTPB1 |
| 1-Year Extended Exchange Warranty | EPPEXPB1 |
| 2-Year Extended Depot Repair Service Plan | EPPFTPB2 |

**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 brochure 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 or Canada. See the Extra Care Road Service brochure for details.

Register your product online using the projector CD or at this site: www.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 during a presentation? Here's where to look for help:

- Built-in help system

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

- www.epson.com/support (U.S) or www.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, see the *EasyMP Network Projection Operation Guide* installed with this manual from your projector CD.
- 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

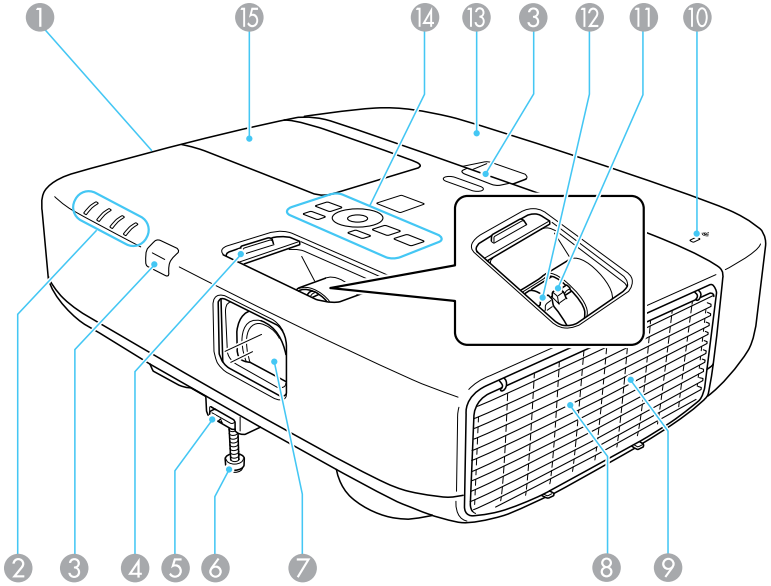
## Projector Parts Locations

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

Projector Parts - Front/Top
Projector Parts - Rear
Projector Parts - Base
Projector Parts - Control Panel
Projector Parts - Remote Control

**Parent topic:** Introduction to Your Projector

## Projector Parts - Front/Top

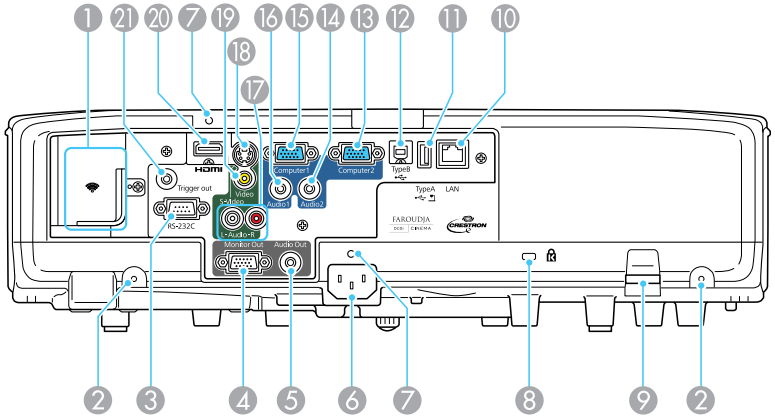



1 Exhaust vent (with shutter)
2 Projector status lights
3 Remote receiver
4 Zoom/focus ring cover
5 Foot release lever
6 Front adjustable foot
7 Lens cover glass
8 Speaker
9 Air intake vent (air filter)
10 Optional wireless LAN module indicator light
11 Zoom ring

12 Focus ring
13 Cable cover
14 Control panel
15 Lamp cover

**Parent topic:** Projector Parts Locations

## Projector Parts - Rear

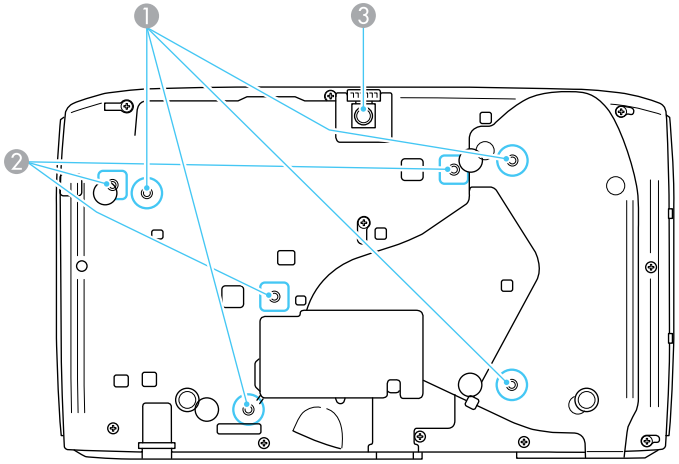



1 Optional wireless LAN module port and stopper
2 Cable cover screw holes
3 **RS-232C** port
4 **Monitor Out** port
5 **Audio Out** port
6 A/C input port
7 Cable clip holes
8 Security slot
9 Security lock port
10 Network (**LAN**) port

11 USB **TypeA** port
12 USB **TypeB** port
13 **Computer2** port
14 **Audio2** port
15 **Computer1** port
16 **Audio1** port
17 **L-Audio-R** audio ports
18 **S-Video** port
19 **Video** port
20 **HDMI** port
21 **Trigger out** port

**Parent topic:** Projector Parts Locations

## Projector Parts - Base

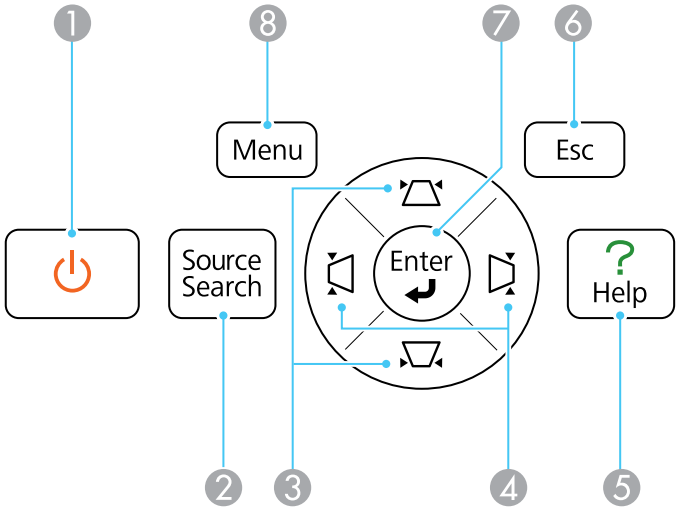



1 Mounting bracket holes
2 Alternate mounting bracket holes

3 Front adjustable foot

**Parent topic:** Projector Parts Locations

## Projector Parts - Control Panel

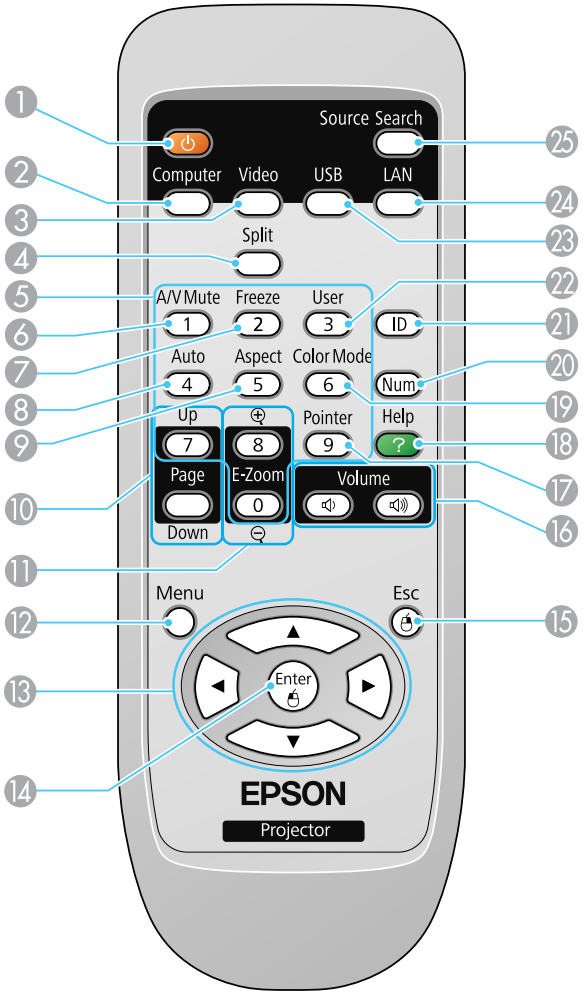



1 Power button
2 **Source Search** button (searches for connected sources)
3 Vertical keystone adjustment buttons (adjust screen shape) and arrow buttons
4 Horizontal keystone adjustment buttons (adjust screen shape) and arrow buttons
5 **Help** button (accesses projector help information)
6 **Esc** button (cancels/exits functions)
7 **Enter** button (selects options)
8 **Menu** button (accesses projector menu system)

**Parent topic:** Projector Parts Locations

**Related references**
Projector Light Status

# Projector Parts - Remote Control




1 Power button

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

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

4 **Split** button (splits the screen)
5 Numeric buttons (enter numbers)
6 **A/V Mute** button (turns off picture and sound)
7 **Freeze** button (stops video action)
8 **Auto** button (automatically adjusts position, tracking, and sync settings)
9 **Aspect** button (selects the image aspect ratio)
10 **Page Up**/**Down** buttons (control presentation slides)
11 **E-Zoom +**/**–** buttons (zoom into and out of the image)
12 **Menu** button (accesses projector menu system)
13 Arrow buttons (move through on-screen options and control wireless mouse functions)
14 **Enter** button (selects options and controls wireless mouse functions)
15 **Esc** button (cancels/exits functions and controls wireless mouse functions)
16 **Volume** up and down buttons (adjust speaker volume)
17 **Pointer** button (activates on-screen pointer)
18 **Help** button (accesses projector help information)
19 **Color Mode** button (selects display modes)
20 **Num** button (switches buttons to number function for entering numbers)
21 **ID** button (selects projector and remote control ID numbers)
22 **User** button (customizable for different functions)
23 **USB** button (cycles through connected USB sources)
24 **LAN** button (switches to available network sources)
25 **Source Search** button (searches for connected sources)

**Parent topic:** Projector Parts Locations

# Setting Up the Projector

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

Projector Placement
Projector Connections
Attaching and Removing the Cable Clips
Attaching and Removing the Cable Cover
Installing Batteries in the Remote Control

## Projector Placement

You can place the projector on almost any flat surface to project your presentation.

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 6 feet (2 m) of a grounded electrical outlet or extension cord.

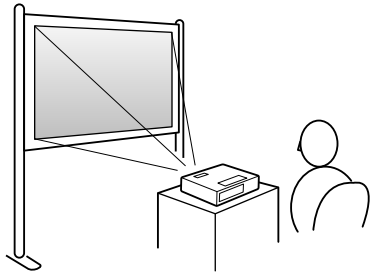
Projector Setup and Installation Options
Projection Distance

**Parent topic:** Setting Up the Projector

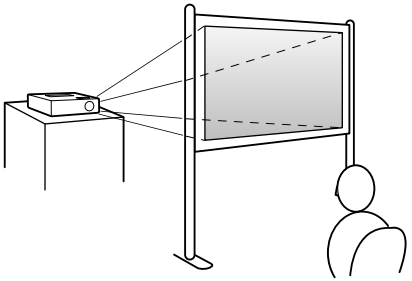
### Projector Setup and Installation Options

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

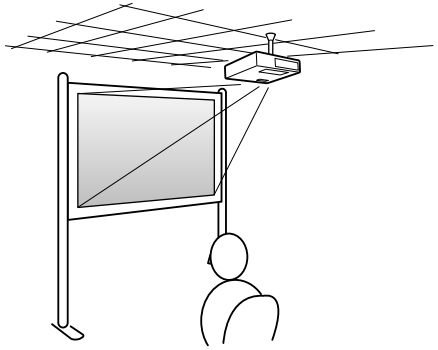
Front



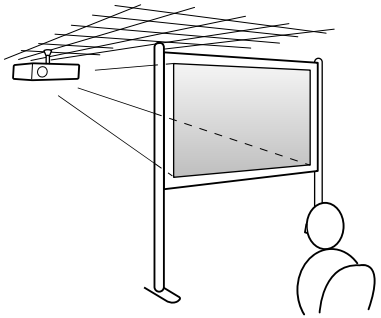
Rear



Ceiling



Rear Ceiling



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

If you project from the ceiling or from the rear, be sure to select the correct **Projection** option in the projector's menu system.

**Parent topic:** Projector Placement

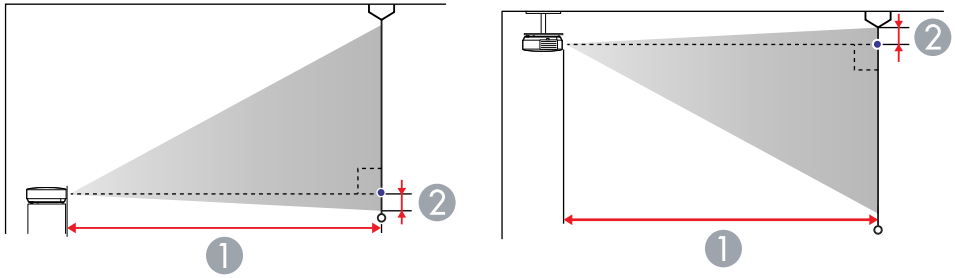
**Related references**

Projector Setup Settings - Extended Menu

## 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.)




**PowerLite D6150/D6250**

**4:3 Aspect Ratio Image or Screen**

| Screen or image size | Projection distance (1)<br>Wide to Tele | Offset from lens center (2) |
|---|---|---|
| 30 inches (76 cm) | 32 to 53 inches<br>(82 to 135 cm) | –1.9 inches (–5 cm) |
| 40 inches (102 cm) | 44 to 71 inches<br>(111 to 181 cm) | –2.5 inches (–6 cm) |
| 50 inches (127 cm) | 55 to 90 inches<br>(139 to 228 cm) | –3.1 inches (–8 cm) |
| 60 inches (152 cm) | 66 to 108 inches<br>(168 to 274 cm) | –3.8 inches (–10 cm) |
| 80 inches (203 cm) | 88 to 144 inches<br>(225 to 367 cm) | –5 inches (–13 cm) |
| 100 inches (254 cm) | 111 to 181 inches<br>(282 to 459 cm) | –6.3 inches (–16 cm) |
| 150 inches (381 cm) | 167 to 272 inches<br>(425 to 691 cm) | –9.4 inches (–24 cm) |

| Screen or image size | Projection distance (1)<br>Wide to Tele | Offset from lens center (2) |
|---|---|---|
| 200 inches (508 cm) | 223 to 363 inches<br>(567 to 922 cm) | –12.5 inches (–32 cm) |
| 250 inches (635 cm) | 280 to 454 inches<br>(710 to 1154 cm) | –15.6 inches (–40 cm) |
| 300 inches (762 cm) | 336 to 545 inches<br>(853 to 1385 cm) | –18.8 inches (–48 cm) |

**16:9 Aspect Ratio Image or Screen**

| Screen or image size | Projection distance (1)<br>Wide to Tele | Offset from lens center (2) |
|---|---|---|
| 28 inches (71 cm) | 33 to 54 inches<br>(83 to 137 cm) | 0.4 inch (1 cm) |
| 30 inches (76 cm) | 35 to 58 inches<br>(90 to 148 cm) | 0.4 inch (1 cm) |
| 40 inches (102 cm) | 48 to 78 inches<br>(121 to 198 cm) | 0.5 inch (1 cm) |
| 50 inches (127 cm) | 60 to 98 inches<br>(152 to 248 cm) | 0.7 inch (2 cm) |
| 60 inches (152 cm) | 72 to 118 inches<br>(183 to 299 cm) | 0.8 inch (2 cm) |
| 80 inches (203 cm) | 92 to 157 inches<br>(245 to 400 cm) | 1.1 inch (3 cm) |
| 100 inches (254 cm) | 121 to 197 inches<br>(307 to 501 cm) | 1.4 inches (3 cm) |

| Screen or image size | Projection distance (1)<br>Wide to Tele | Offset from lens center (2) |
|---|---|---|
| 150 inches (381 cm) | 182 to 296 inches<br>(463 to 753 cm) | 2 inches (5 cm) |
| 200 inches (508 cm) | 243 to 396 inches<br>(618 to 1005 cm) | 2.7 inches (7 cm) |
| 250 inches (635 cm) | 305 to 495 inches<br>(774 to 1257 cm) | 3.4 inches (9 cm) |
| 275 inches (699 cm) | 335 to 545 inches<br>(852 to 1383 cm) | 3.7 inches (10 cm) |

**PowerLite D6155W**

**16:10 Aspect Ratio Image or Screen**

| Screen or image size | Projection distance (1)<br>Wide to Tele | Offset from lens center (2) |
|---|---|---|
| 29 inches (74 cm) | 33 to 55 inches<br>(84 to 139 cm) | –0.4 inch (–1 cm) |
| 40 inches (102 cm) | 46 to 76 inches<br>(117 to 193 cm) | –0.5 inch (–1 cm) |
| 50 inches (127 cm) | 58 to 95 inches<br>(148 to 242 cm) | –0.7 inch (–2 cm) |
| 60 inches (152 cm) | 70 to 114 inches<br>(178 to 291 cm) | –0.8 inch (–2 cm) |
| 80 inches (203 cm) | 94 to 153 inches<br>(238 to 389 cm) | –1.1 inch (–3 cm) |
| 100 inches (254 cm) | 118 to 192 inches<br>(299 to 487 cm) | –1.3 inches (–3 cm) |

| Screen or image size | Projection distance (1)<br>Wide to Tele | Offset from lens center (2) |
|---|---|---|
| 150 inches (381 cm) | 177 to 288 inches<br>(450 to 732 cm) | –2 inches (–5 cm) |
| 200 inches (508 cm) | 237 to 385 inches<br>(602 to 978 cm) | –2.6 inches (–7 cm) |
| 250 inches (635 cm) | 296 to 482 inches<br>(753 to 1223 cm) | –3.3 inches (–8 cm) |
| 280 inches (711 cm) | 332 to 539 inches<br>(844 to 1370 cm) | –3.7 inches (–9 cm) |

**4:3 Aspect Ratio Image or Screen**

| Screen or image size | Projection distance (1)<br>Wide to Tele | Offset from lens center (2) |
|---|---|---|
| 25 inches (64 cm) | 32 to 53 inches<br>(82 to 135 cm) | –0.4 inch (–1 cm) |
| 30 inches (76 cm) | 39 to 64 inches<br>(99 to 163 cm) | –0.5 inch (–1 cm) |
| 40 inches (102 cm) | 52 to 86 inches<br>(133 to 218 cm) | –0.6 inch (–2 cm) |
| 50 inches (127 cm) | 66 to 108 inches<br>(168 to 274 cm) | –0.8 inch (–2 cm) |
| 60 inches (152 cm) | 79 to 130 inches<br>(202 to 330 cm) | –0.9 inch (–2 cm) |
| 80 inches (203 cm) | 106 to 173 inches<br>(270 to 441 cm) | –1.2 inch (–3 cm) |

| Screen or image size | Projection distance (1)<br>Wide to Tele | Offset from lens center (2) |
|---|---|---|
| 100 inches (254 cm) | 133 to 217 inches<br>(339 to 552 cm) | –1.5 inches (–4 cm) |
| 120 inches (305 cm) | 160 to 261 inches<br>(407 to 663 cm) | –1.8 inches (–5 cm) |
| 150 inches (381 cm) | 201 to 327 inches<br>(510 to 830 cm) | –2.3 inches (–6 cm) |
| 200 inches (508 cm) | 268 to 436 inches<br>(682 to 1107 cm) | –3 inches (–8 cm) |
| 250 inches (635 cm) | 336 to 545 inches<br>(853 to 1385 cm) | –3.8 inches (–10 cm) |

**16:9 Aspect Ratio Image or Screen**

| Screen or image size | Projection distance (1)<br>Wide to Tele | Offset from lens center (2) |
|---|---|---|
| 28 inches (71 cm) | 33 to 54 inches<br>(83 to 137 cm) | 0.4 inch (1 cm) |
| 30 inches (76 cm) | 35 to 58 inches<br>(90 to 148 cm) | 0.4 inch (1 cm) |
| 40 inches (102 cm) | 48 to 78 inches<br>(121 to 198 cm) | 0.5 inch (1 cm) |
| 50 inches (127 cm) | 60 to 98 inches<br>(152 to 248 cm) | 0.7 inch (2 cm) |
| 60 inches (152 cm) | 72 to 118 inches<br>(183 to 299 cm) | 0.8 inch (2 cm) |

| Screen or image size | Projection distance (1)<br>Wide to Tele | Offset from lens center (2) |
|---|---|---|
| 80 inches (203 cm) | 97 to 157 inches<br>(245 to 400 cm) | 1.1 inch (3 cm) |
| 100 inches (254 cm) | 121 to 197 inches<br>(307 to 501 cm) | 1.4 inches (3 cm) |
| 150 inches (381 cm) | 182 to 296 inches<br>(463 to 753 cm) | 2 inches (5 cm) |
| 200 inches (508 cm) | 243 to 396 inches<br>(618 to 1005 cm) | 2.7 inches (7 cm) |
| 250 inches (635 cm) | 305 to 495 inches<br>(774 to 1257 cm) | 3.4 inches (9 cm) |
| 275 inches (699 cm) | 335 to 545 inches<br>(852 to 1383 cm) | 3.7 inches (10 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 or an HDMI port.
- For video projection, connect devices such as DVD players, gaming consoles, digital cameras, and camera phones with compatible video output ports.
- If your presentation or video includes sound, you can connect audio input cables, if necessary.
- For presentations or slide shows without a computer, you can connect USB devices (such as a flash drive or camera) or an optional document camera.

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

Connecting to Computer Sources

Connecting to Video Sources
Connecting to an External Computer Monitor
Connecting to External Speakers
Connecting to External USB Devices
Connecting to a Document Camera

**Parent topic:** Setting Up the Projector

**Related references**

Projector Setup Settings - Extended Menu
Product Box Contents

## Connecting to Computer Sources

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

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

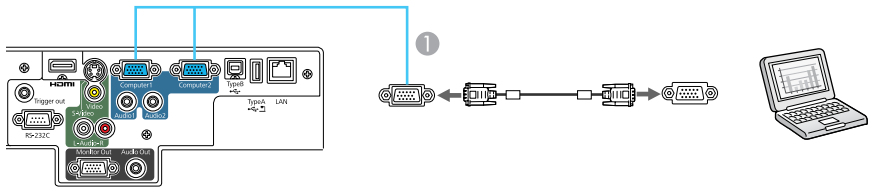
**Parent topic:** Projector Connections

### Connecting to a Computer for VGA Video

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

**Note:** To connect a Macintosh that includes only a Mini DisplayPort 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.



1 **Computer1** or **Computer2** port

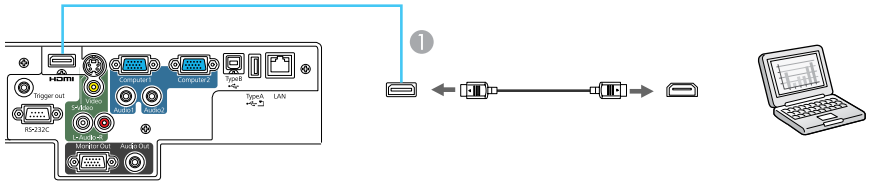
4. Tighten the screws on the VGA connectors.

**Parent topic:** Connecting to Computer Sources

## Connecting to a Computer for HDMI Video and Audio

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

1. Make sure the projector and your computer are turned off.
2. Connect the HDMI cable to your computer's HDMI output port.
3. Connect the other end to the projector's **HDMI** port.



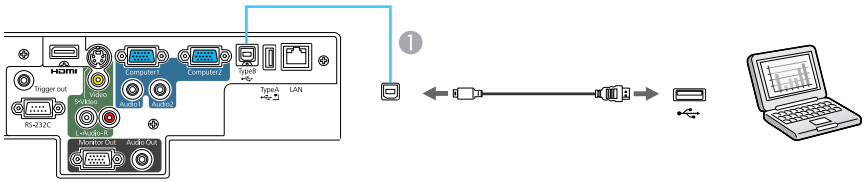
1 **HDMI** port

**Parent topic:** Connecting to Computer Sources

## Connecting to a Computer for USB Mouse Control

If you connected your computer to a **Computer** or **HDMI** port on the projector, you can set up the remote control to act as a wireless mouse. This lets you control computer presentations at a distance from your computer. To do this, connect the projector to your computer using a USB cable.

1. Connect the USB cable to your projector's USB **TypeB** port.



1 USB **TypeB** port

2. Connect the other end to any available USB port on your computer.
3. If necessary, configure your computer to work with an external USB mouse. See your computer documentation for details.

**Parent topic:** Connecting to Computer Sources

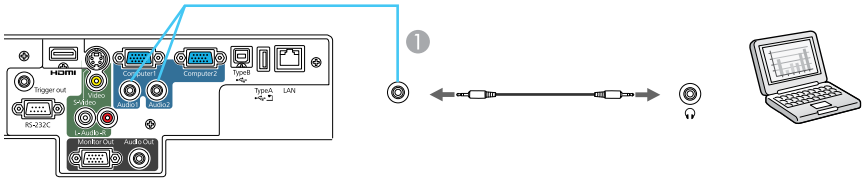
**Related references**

Projector Parts - Remote Control

### Connecting to a Computer for Sound

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

1. Connect the audio cable to your laptop's headphone or audio-out jack, or your desktop's speaker or audio-out port.
2. Connect the other end to the **Audio** port that corresponds to the **Computer** port you are using.




1 **Audio1** or **Audio2** port

**Parent topic:** Connecting to Computer Sources

## Connecting to Video Sources

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

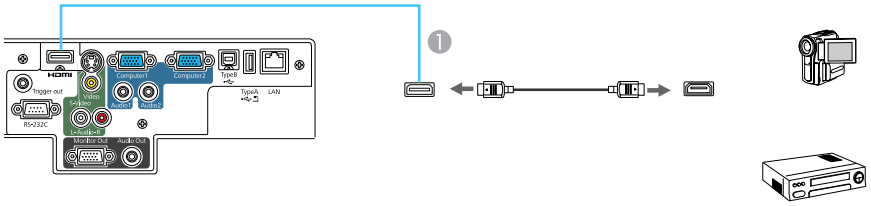
Connecting to an HDMI Video Source
Connecting to a Component-to-VGA Video Source
Connecting to a Composite Video Source
Connecting to an S-Video Video Source
Connecting to a Video Source for Sound

**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.

1. Make sure the projector and your video source are turned off.
2. Connect the HDMI cable to your video source's HDMI output port.
3. Connect the other end to the projector's **HDMI** port.



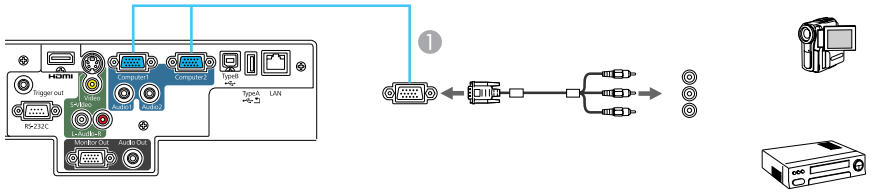
1 **HDMI** port

**Parent topic:** Connecting to Video Sources

## Connecting to a Component-to-VGA Video Source

If your video source has component video ports, you can connect it to the projector using a 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. Make sure the projector and your video source are turned off.
2. 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.
3. Connect the VGA connector to the projector's **Computer** port.



1 **Computer1** or **Computer2** port

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

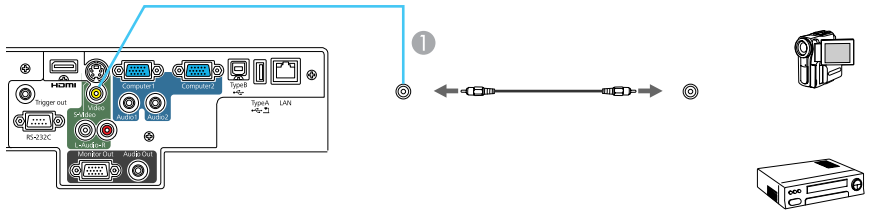
**Related references**

Input Signal Settings - Signal Menu

## 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. Make sure the projector and your video source are turned off.
2. Connect the cable with the yellow connector to your video source's yellow video output port.
3. Connect the other end to the projector's **Video** port.




1 **Video** port

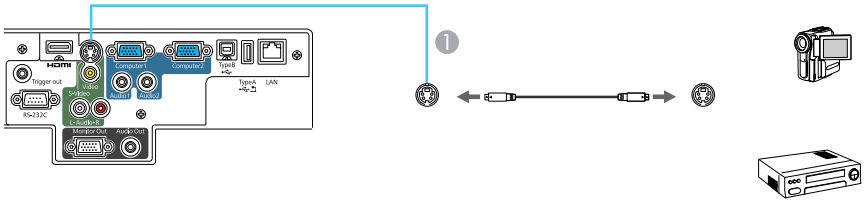
**Parent topic:** Connecting to Video Sources

## 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. Make sure the projector and your video source are turned off.
2. Connect the S-Video cable to your video source's S-Video output port.

3. Connect the other end to the projector's **S-Video** port.



1 **S-Video** port

**Parent topic:** Connecting to Video Sources

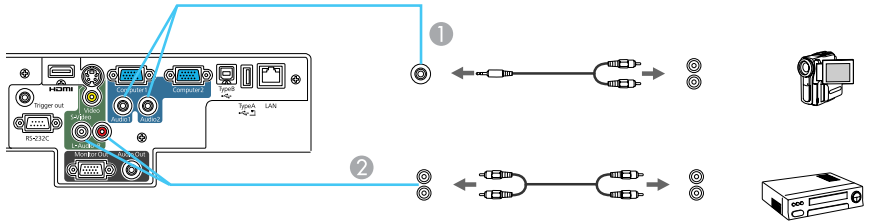
## Connecting to a Video Source for Sound

You can play sound through the projector's speaker system if your video source has audio output ports.

If you are projecting video using a **Computer** port, connect the projector to the video source using an optional stereo 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 optional stereo mini-jack adapter cable (with one 3.5 mm mini-plug and two RCA plugs).

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** port you are using for video.
   - Connect the red and white plugs on the other end of the cable to the projector's **L-Audio-R** ports.



1 **Audio1** or **Audio2** port

2 **L-Audio-R** ports

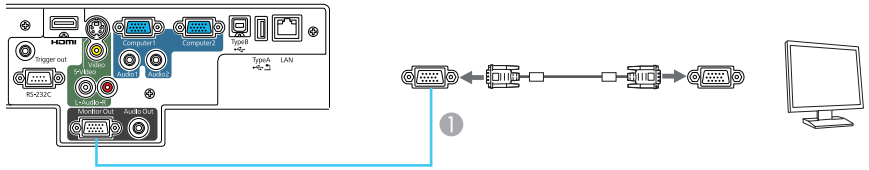
**Parent topic:** Connecting to Video Sources

## Connecting to an External Computer Monitor

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

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

1. Make sure your computer or video source is connected to the projector's **Computer** port. If there are two computer ports, make sure you use the **Computer1** port.
2. Connect the external monitor's cable to your projector's **Monitor Out** port.




1 **Monitor Out** port

**Parent topic:** Projector Connections

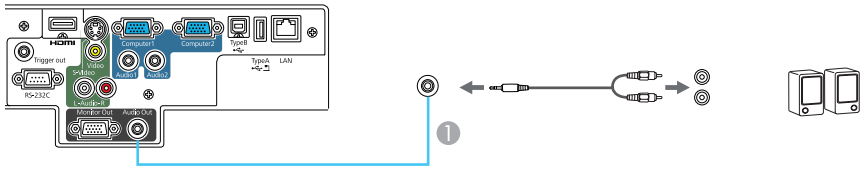
## Connecting to External Speakers

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

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

1. Make sure your computer or video source is connected to the projector with both audio and video cables as necessary.
2. Locate the appropriate cable to connect your external speakers, such as a stereo mini-jack-to-pin-jack cable, or another type of cable or adapter.

3. Connect one end of the cable to your external speakers as necessary.
4. Connect the stereo mini-jack end of the cable to your projector's **Audio Out** port.



1 **Audio Out** port

**Parent topic:** Projector Connections

## Connecting to External USB Devices

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

USB Device Projection
Connecting a USB Device or Camera to the Projector
Selecting the Connected USB Source
Disconnecting a USB Device or Camera From the Projector

**Parent topic:** Projector Connections

### USB Device Projection

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

- USB flash drive
- Digital camera or camera phone
- USB hard drive
- Multimedia storage viewer
- USB memory card reader

**Note:** Digital cameras or camera phones must be USB-mounted devices, not TWAIN-compliant devices.

You can project slide shows from image files on a connected USB device or memory card reader.

**Parent topic:** Connecting to External USB Devices

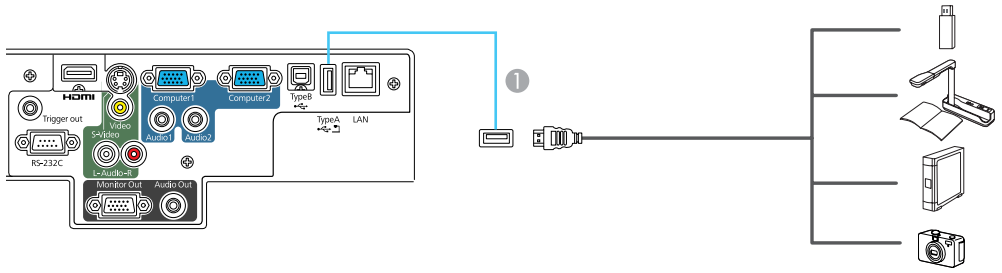
**Related topics**

Projecting a Slide Show

## Connecting a USB Device or Camera to the Projector

You can connect your USB device or camera to the projector's USB Type A port and use it to project a slide show or presentation.

1. If your USB device came with a power adapter, plug the device into an electrical outlet.
2. Connect the USB cable (or USB flash drive or USB memory card reader) into the projector's USB **TypeA** port shown here.




1 USB **TypeA** port

**Note:** Do not connect a USB hub or a USB cable longer than 10 feet (3 m), or the device may not operate correctly.

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

**Parent topic:** Connecting to External USB Devices

## Selecting the Connected USB Source

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

1. Make sure the connected USB source is turned on, if necessary.
2. Press the **USB** button on the remote control.
3. Press the button again to cycle through other USB sources, if available.

**Parent topic:** Connecting to External USB Devices

### Disconnecting a USB Device or Camera From the Projector

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

1. Exit from any software running your slide show or presentation from the device.
2. If the device has a power button, be sure to turn off and unplug the device.
3. Disconnect the USB device or camera from the projector.

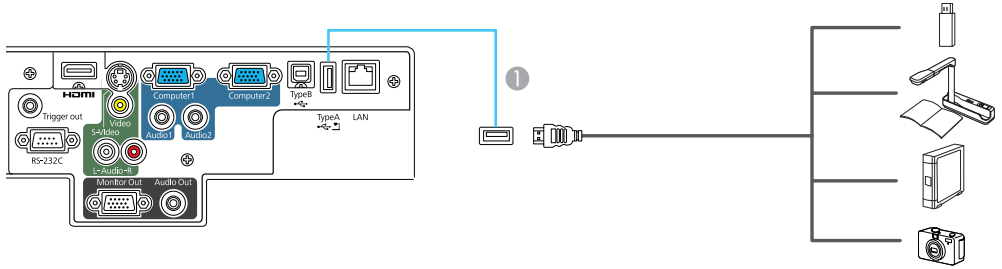
**Parent topic:** Connecting to External USB Devices

## Connecting to a Document Camera

You can connect a compatible Epson document camera to your projector's USB Type A port to project images viewed by the camera.

**Note:** You may be able to connect different Epson document camera models to your projector's **Computer** ports.

1. Locate the USB cable that came with the document camera.
2. Connect the USB cable to the projector's USB **TypeA** port.
3. Connect the other end of the cable to the document camera's USB Type B port.




1 USB **TypeA** port

**Parent topic:** Projector Connections

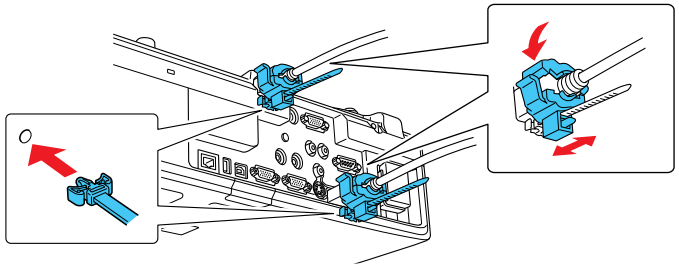
**Related references**

Optional Equipment and Replacement Parts

# 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.

1. Plug in the power and HDMI cables.
2. Insert each guide into the cable clip holes near the power inlet and **HDMI** port.



3. Attach the cable clips to the power and HDMI cables. Be sure to leave the clamps unlocked.
4. Slide each cable clip onto the guides and lock the clamps onto the connectors as shown.

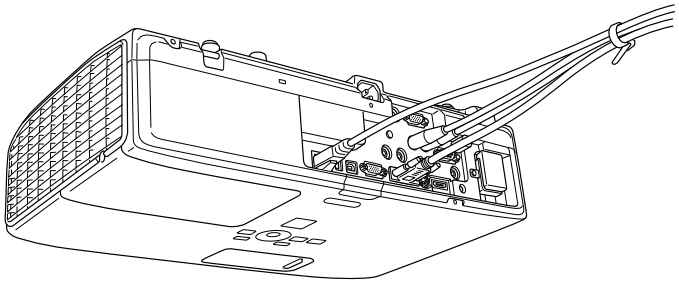
To remove the cable clips, open the clamps and disconnect the cables. Then pinch the sides of each guide and carefully pull them out of the cable clip holes.

**Parent topic:** Setting Up the Projector

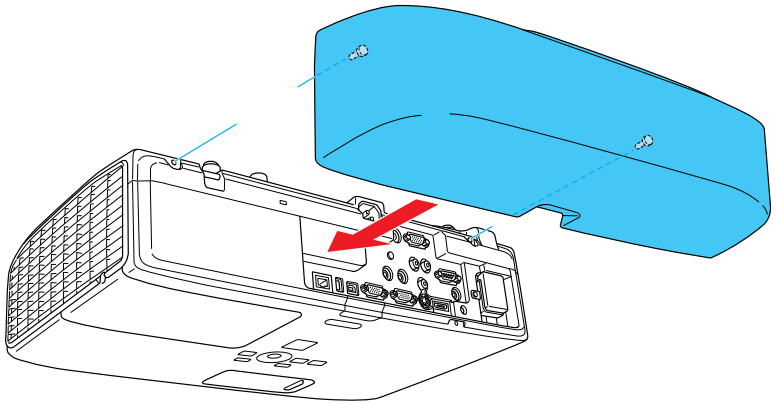
# Attaching and Removing the Cable Cover

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

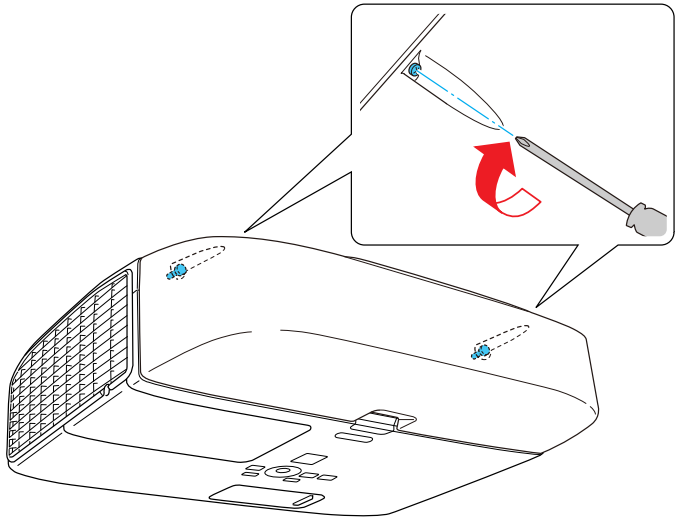
1. Bundle the cables together using a band or other fastener (not provided).



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.



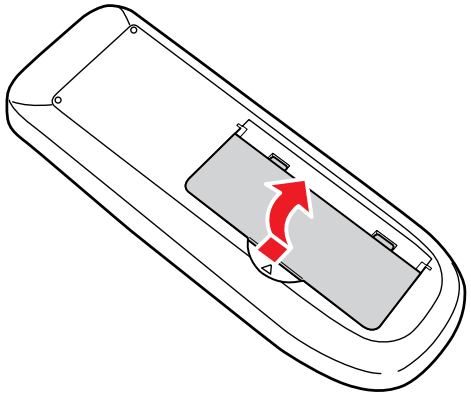
To remove the cover, loosen both screws and take the cover off of the projector.

**Parent topic:** Setting Up the Projector

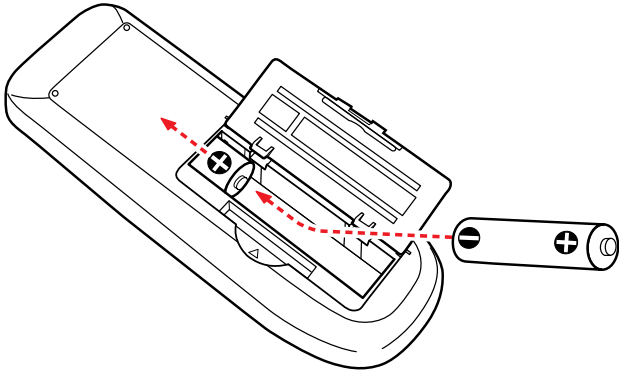
# Installing Batteries in the Remote Control

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

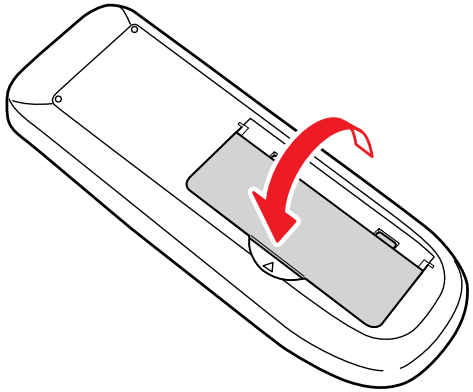
1. Open the battery cover as shown.



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



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



**Parent topic:** Setting Up the Projector

# Using the Projector on a Network

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

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

## Wired Network Projection

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

After connecting and setting up the projector as described here, install the network software from the *Epson Projector Software* CD-ROM on your computer. 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. See the *EasyMP Network Projection Operation Guide* installed from your projector CD 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 www.epson.com/support (U.S.) or www.epson.ca/support (Canada) and select your projector.

Connecting to a Wired Network
Selecting Wired Network Settings

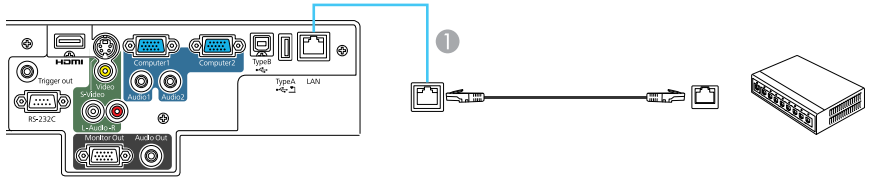
**Parent topic:** Using the Projector on a Network

### 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 5 shielded cable or better.

1. Connect one end of the network cable to your network router.

2. Connect the other end of the cable to the projector's **LAN** port.



1 **LAN** port

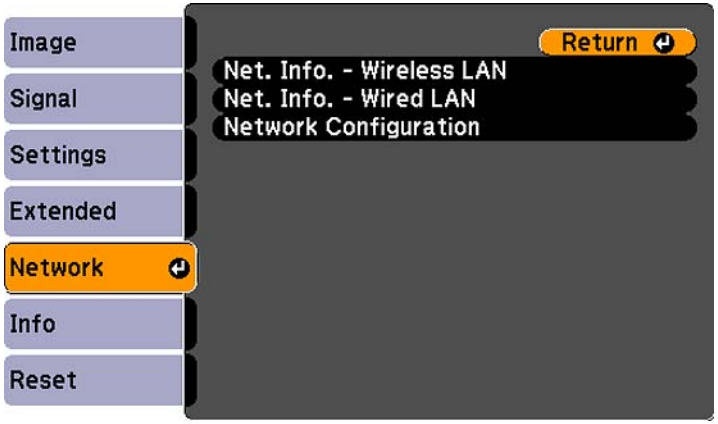
**Parent topic:** Wired Network Projection

## Selecting Wired Network Settings

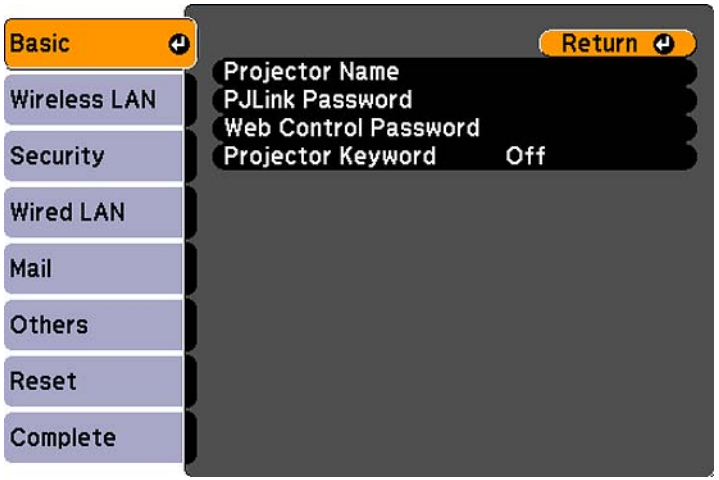
Before you can project from multiple computers on your network, you must select the network settings for the projector using its menu system.

**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 on the remote control.
3. Select the **Network** menu and press **Enter**.



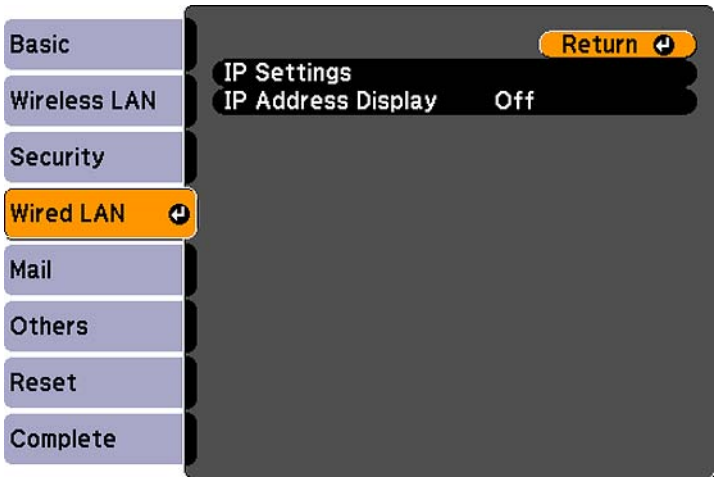
4. Select **Network Configuration** and press **Enter**.
5. Select the **Basic** menu and press **Enter**.




6. Select the following basic options as necessary:
   - **Projector Name** lets you enter a name up to 16 alphanumeric characters long to identify the projector over the network.
   - **PJLink Password** lets you enter a password up to 32 alphanumeric characters long for using the PJLink protocol for projector control.
   - **Web Control Password** lets you enter a password up to 8 alphanumeric characters long for accessing the projector over the web.
   - **Projector Keyword** lets you turn on a security password to prevent access to the projector by anyone not in the room with it. You must enter a displayed, randomized keyword from a computer using the EasyMP 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. If necessary, select **IP Settings** and press **Enter**.
9. Select your IP Settings as necessary:
   - If your network assigns addresses automatically, turn on the **DHCP** setting.
   - If you must set addresses manually, turn off **DHCP** and enter the projector's **IP Address**, **Subnet Mask**, and **Gateway Address** as needed.

   **Note:** To highlight the numbers you want from the displayed keyboard, press the arrow buttons on the remote control. To select a highlighted number, press **Enter**.

10. To prevent display of the IP address on the standby screen, turn off **IP Address Display**.
11. When you finish selecting settings, select **Complete** and follow the on-screen instructions to save your settings and exit the menus.

**Parent topic:** Wired Network Projection

# Wireless Network Projection

You can send images to your projector through a wireless network. 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.

There are two ways to connect the projector to your wireless network:

- Using the optional Epson Quick Wireless Connection USB key (Windows only)
- Configuring the connection manually using the projector's **Network** menus

After installing the module and setting up the projector, install the network software from the *Epson Projector Software* CD on your computer. 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* installed from your projector CD 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 www.epson.com/support (U.S.) or www.epson.ca/support (Canada) and select your projector.

Installing the Wireless LAN Module
Using Quick Wireless Connection (Windows Only)
Selecting Wireless Network Settings Manually
Selecting Wireless Network Settings in Windows
Selecting Wireless Network Settings in Mac OS
Setting Up Wireless Network Security

**Parent topic:** Using the Projector on a Network

**Related references**
Optional Equipment and Replacement Parts

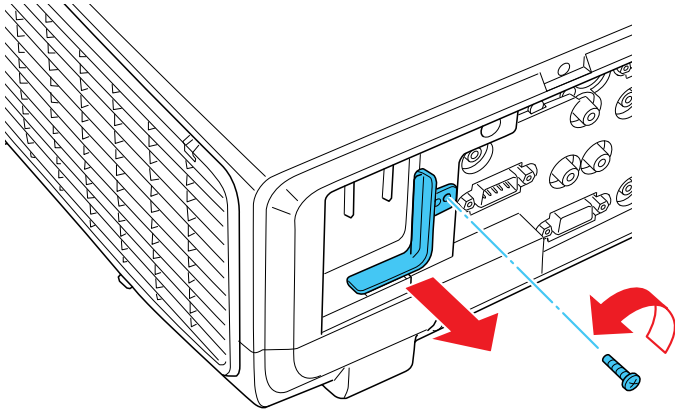
## Installing the Wireless LAN Module

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

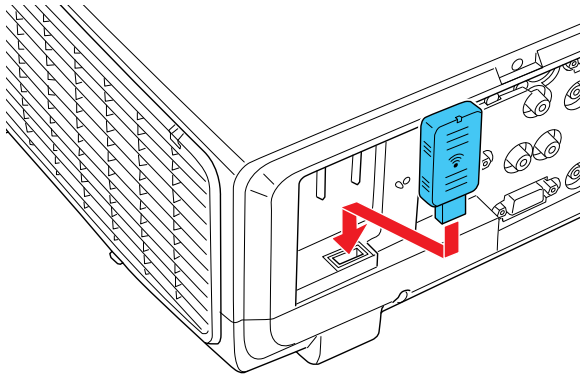
**Caution:** Never remove the module while its indicator light is green or flashing, or while you are projecting wirelessly. You may damage the module or lose data.

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

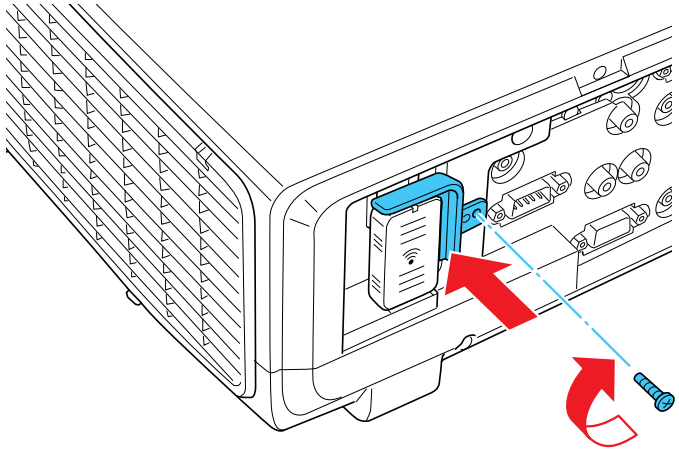
2. Remove the screw securing the wireless LAN module stopper, then remove the stopper.



3. Insert the wireless LAN module into the port.



4. Replace the wireless LAN module stopper and secure it using the screw you removed.



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

1. Turn on the projector.
2. Remove the USB key.
3. Now connect the USB key to a USB port on your computer or notebook.

   **Note:** In Windows Vista, if you see the AutoPlay window, select **Run LaunchU3.exe**, then select **Allow** on the next screen.

4. 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.

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

5. Run your presentation as necessary.
6. When you finish projecting wirelessly, remove the USB key from your computer.

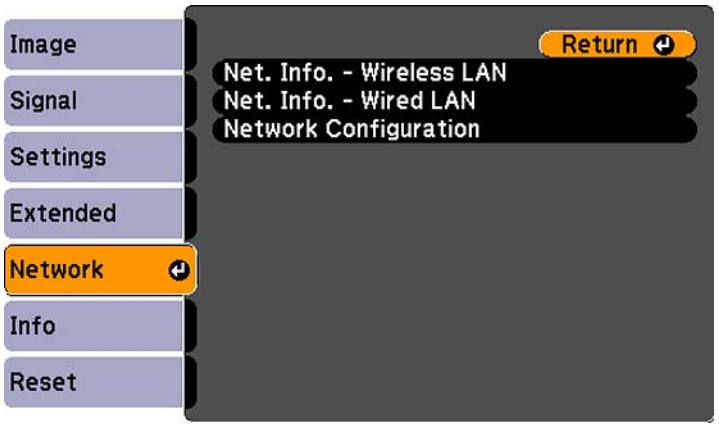
**Note:** You may need to restart your computer to reactivate your wireless interface.

**Parent topic:** Wireless Network Projection

## Selecting Wireless Network Settings Manually

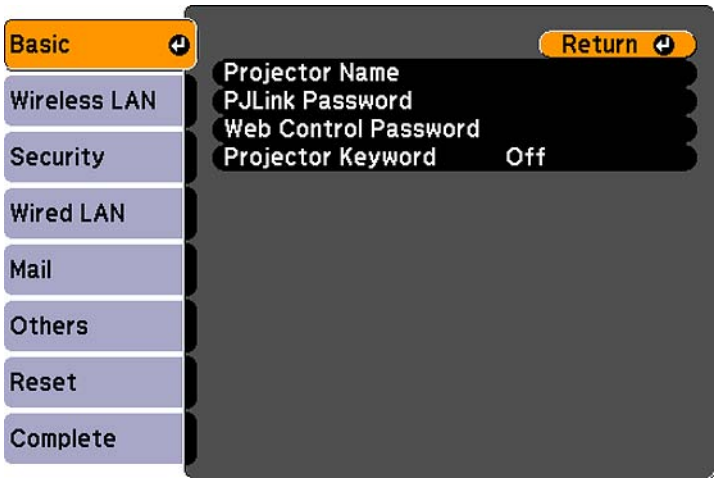
Before you can project from your wireless network, you must select the network settings for the projector using its menu system.

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




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

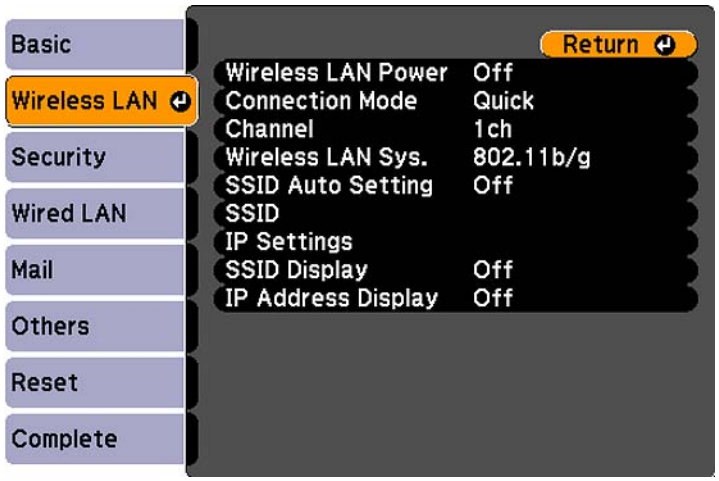
5. Select the **Basic** menu and press **Enter**.




6. Select the following basic options as necessary:
   - **Projector Name** lets you enter a name up to 16 alphanumeric characters long to identify the projector over the network.
   - **PJLink Password** lets you enter a password up to 32 alphanumeric characters long for using the PJLink protocol for projector control.
   - **Web Control Password** lets you enter a password up to 8 alphanumeric characters long for accessing the projector over the web.
   - **Projector Keyword** lets you turn on a security password to prevent access to the projector by anyone not in the room with it. You must enter a displayed, randomized keyword from a computer using the EasyMP 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 **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 **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.

Wireless LAN Menu Settings

**Parent topic:** Wireless Network Projection

## Wireless LAN Menu Settings

**Note:** See your projector's *EasyMP Network Projection Operation Guide* for details on selecting these settings.

| Setting | Options | Description |
|---|---|---|
| **Wireless LAN Power** | **On**<br>**Off** | Turns on wireless LAN support |

| Setting | Options | Description |
|---|---|---|
| **Connection Mode** | **Quick**<br>**Advanced** | Selects the type of wireless connection:<br>**Quick**: lets you quickly connect to one computer or use the optional Epson Quick Wireless Connection USB key to connect<br>**Advanced**: lets you connect to multiple computers via a wireless network access point |
| **Channel** | **1ch**<br>**6ch**<br>**11ch** | In **Quick** connection mode, selects the frequency band (channel) used by the wireless LAN |
| **Wireless LAN Sys.** | **802.11b/g**<br>**802.11b/g/n** | Sets the type of wireless LAN system the projector is connecting to |
| **SSID Auto Setting** | **On**<br>**Off** | Turns on automatic SSID searching in **Quick** connection mode; set to **Off** when connecting to multiple projectors at the same time |
| **SSID** | Up 32 alphanumeric characters | Sets the SSID (network name) of the wireless LAN system the projector is connecting to |
| **IP Settings** | **DHCP** (**On** or **Off**)<br>**IP Address**<br>**Subnet Mask**<br>**Gateway Address** | Selects DHCP if your network assigns addresses automatically, or turns off DHCP so you can enter the network's IP address, subnet mask, and gateway address as needed |
| **SSID Display** | **On**<br>**Off** | Selects whether to display the SSID on the network standby screen |

| Setting | Options | Description |
|---|---|---|
| **IP Address Display** | **On**<br>**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, 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 SSID you assigned to the projector.
3. Click **Connect**.

**Parent topic:** Wireless Network Projection

## Selecting Wireless Network Settings in Mac OS

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

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 SSID you assigned to the projector.

**Parent topic:** Wireless Network Projection

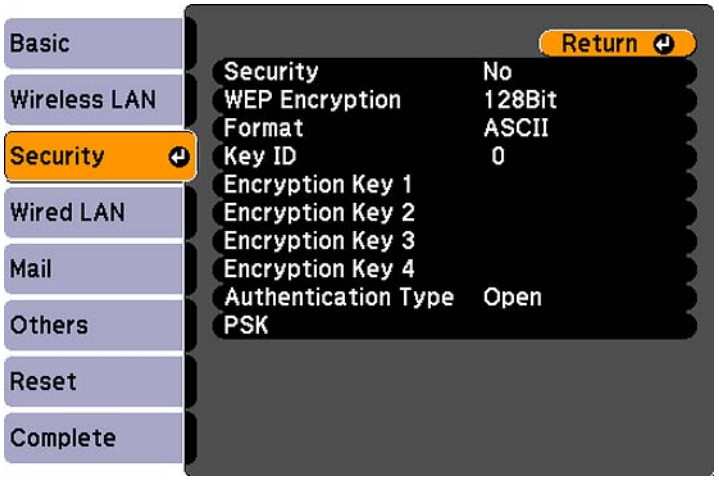
## Setting Up Wireless Network Security

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

- WEP encryption
- WPA security

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

1. Press the **Menu** button on the remote control.
2. Select the **Network** menu and press **Enter**.
3. Select **Network Configuration** and press **Enter**.
4. Select the **Security** menu and press **Enter**.




5. Select the security settings as necessary to match your network settings.
6. When you finish selecting settings, select **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** | **WEP** and **WPA** types available | Selects the type of security used on the wireless network |

| Setting | Options | Description |
|---|---|---|
| **WEP Encryption** | **128Bit**<br>**64Bit** | For WEP security, selects the type of encryption coding |
| **Format** | **ASCII**<br>**HEX** | For WEP security, selects the encryption input method:<br>**ASCII**: enables text input<br>**HEX**: enables hexadecimal input |
| **Key ID** | **1** to **4** | For WEP security, selects the WEP encryption key ID |
| **Encryption Key 1** to<br>**Encryption Key 4** | Various characters depending on selected **WEP Encryption** and **Format** settings | For the selected WEP Key ID setting, enter the key used for WEP encryption:<br>128 bit ASCII: 13 alphanumeric characters<br>128 bit HEX: 26 characters (0 to 9 and A to F)<br>64 bit ASCII: 5 alphanumeric characters<br>64 bit HEX: 10 characters (0 to 9 and A to F) |
| **Authentication Type** | **Open**<br>**Shared** | For WEP security, selects the type of WEP authentication used |
| **PSK** | Various keys from 8 to 32 characters | For WPA-PSK or WPA-2-PSK security, selects the pre-shared key used on the network |

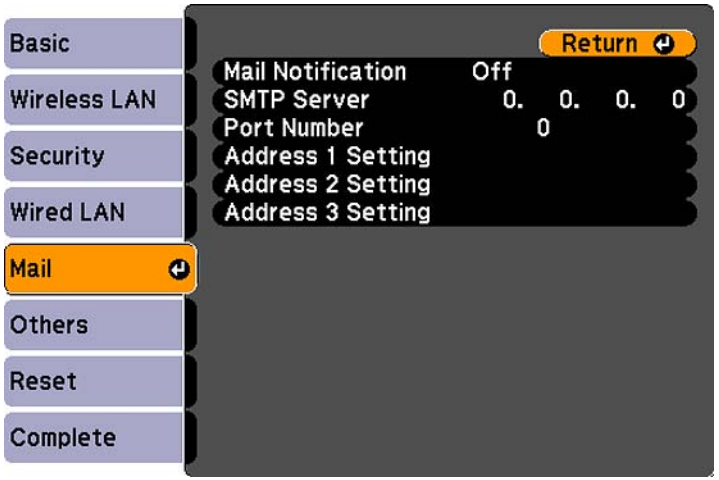
**Parent topic:** Setting Up Wireless Network Security

## 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 on the remote control.

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




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

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

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

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

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

Network Projector E-mail Alert Messages

**Parent topic:** Using the Projector on a Network

## Network Projector E-mail Alert Messages

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

- **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.

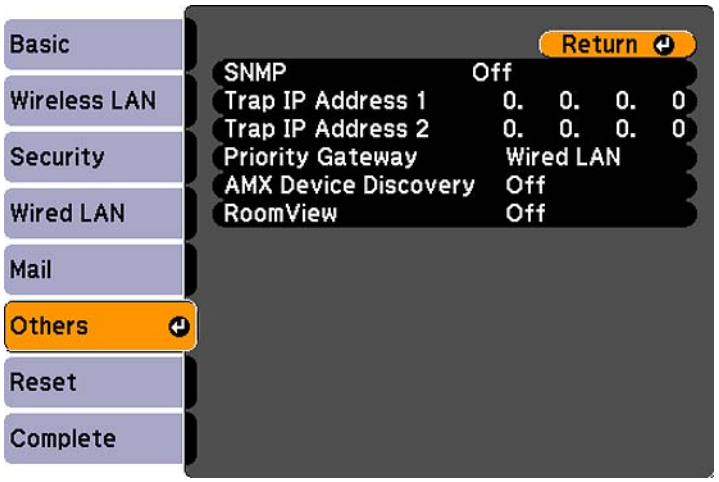
**Parent topic:** Setting Up Projector Network E-Mail Alerts

# 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 on the remote control.
2. Select the **Network** menu and press **Enter**.
3. Select **Network Configuration** and press **Enter**.

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




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

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

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 **RoomView** setting to allow the projector to be detected.
8. When you finish selecting settings, select **Complete** and follow the on-screen instructions to save your settings and exit the menus.

**Parent topic:** Using the Projector on a Network

## Controlling a Networked Projector Using a Web Browser

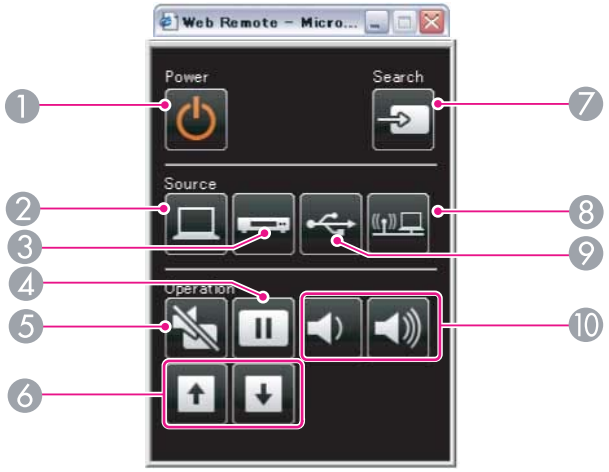
Once you have connected your projector to your network, you can select projector settings and control projection using a compatible web browser. This lets you access the projector remotely.

**Note:** 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. You cannot select all of the projector menu settings or control all projector functions using a web browser.

1. Make sure the projector is turned on.
2. Start your web browser on a computer connected to the network.
3. 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.
4. To select projector menu settings, select the name of the menu and follow the on-screen instructions to select settings.
5. To control the projection remotely, select the **Web Remote** option.

   You see this screen:




| | |
|---|---|
| 1 | Power button control |
| 2 | Selects **Computer** port source |
| 3 | Selects **Video**, **S-Video**, and **HDMI** port sources |
| 4 | **Freeze** button control |
| 5 | **A/V Mute** button control |

6 **Page Up** and **Page Down** button controls

7 Searches for sources

8 Selects the network source

9 Selects the USB device source

10 **Volume** button controls

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

**Parent topic:** Using the Projector on a Network

# Crestron RoomView Support

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

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

For additional information on Crestron RoomView, contact Crestron.

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

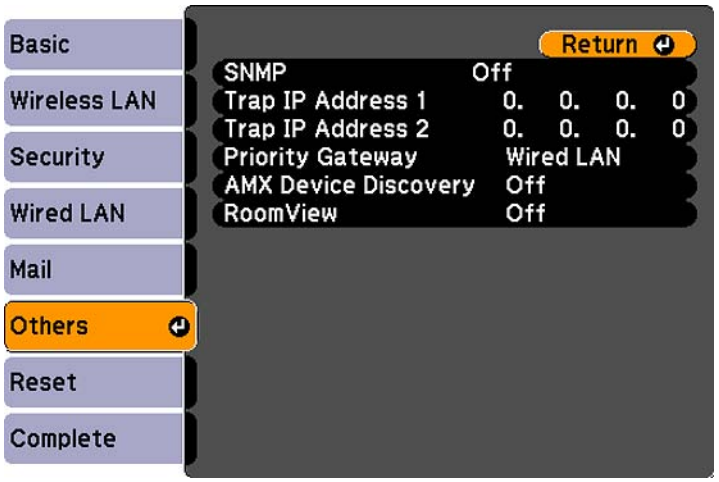
**Parent topic:** Using the Projector on a Network

## Setting Up Crestron RoomView Support

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

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

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




5. Set the **RoomView** setting to **On** to allow the projector to be detected.
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 **RoomView** 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 **Configuration** menu

5. To view information about the projector, click the **Info** tab.
6. To change projector, Crestron, and password settings, click the **Tools** tab, select settings on the displayed screen, and click **Send**.
7. When you finish selecting settings, click **Exit** to exit the program.

**Parent topic:** Crestron RoomView Support

# Using Basic Projector Features

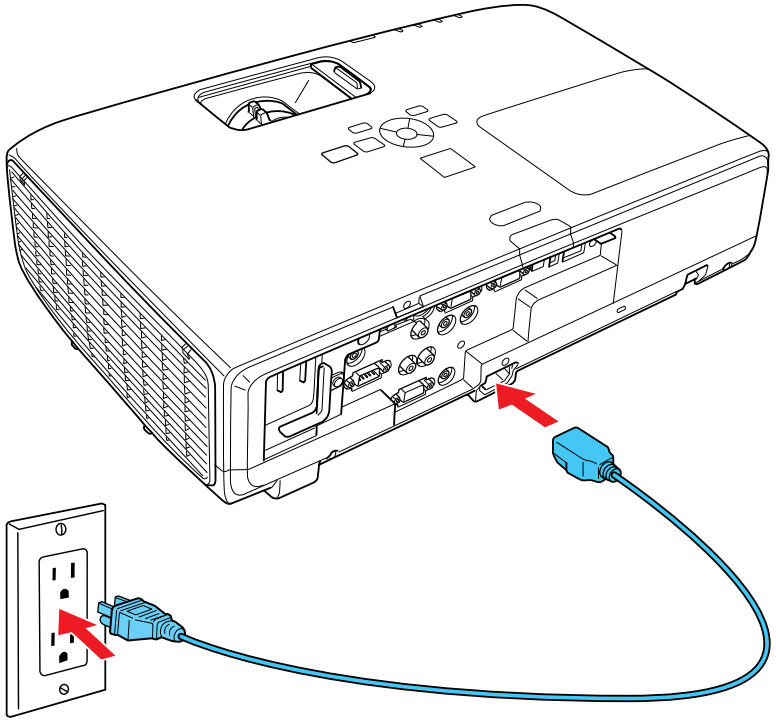
Follow the instructions in these sections to use your projector's basic features.


Turning On the Projector
Turning Off the Projector
Selecting the Language for the Projector Menus
Adjusting the Image Height
Image Shape
Resizing the Image With the Zoom Ring
Focusing the Image Using the Focus Ring
Remote Control Operation
Selecting an Image Source
Projection Modes
Image Aspect Ratio
Color Mode
Controlling the Volume With the Volume Buttons
Projecting a Slide Show


## Turning On the Projector

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

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



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.

   **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 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 remote control to detect the video source.

**Parent topic:** Using Basic Projector Features

**Related references**

Projector Setup Settings - Extended Menu

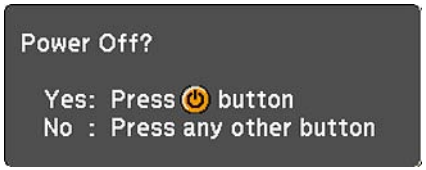
# Turning Off the Projector

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

**Note:** Turn off this product when not in use to prolong the life of the projector. 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 remote control.

   The projector displays a shutdown confirmation screen.



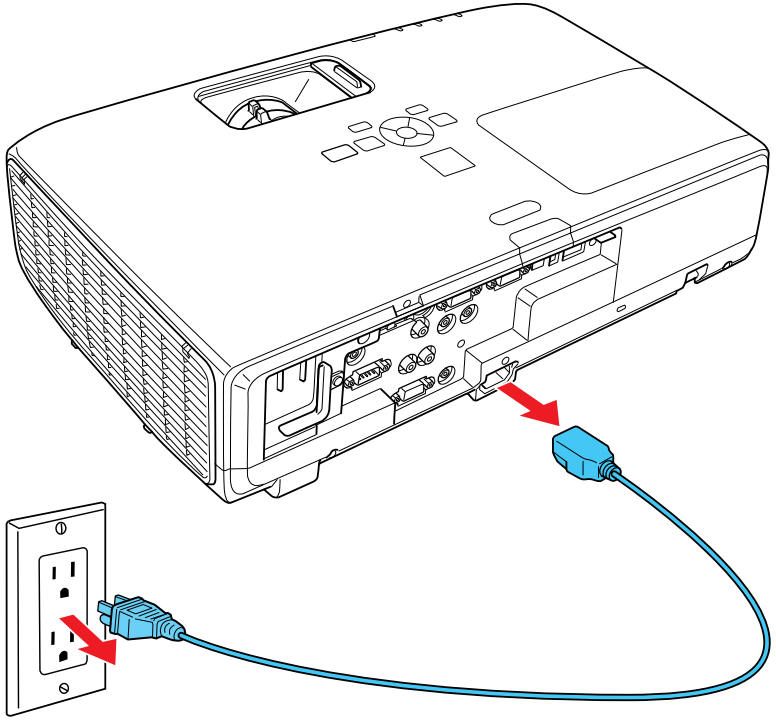

2. Press the power button again. (To leave it on, press any other button.)

   The projector beeps twice, the 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.

   **Caution:** Do not turn the projector on immediately after turning it off. Turning the projector on and off frequently may shorten the life of the lamp.

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.

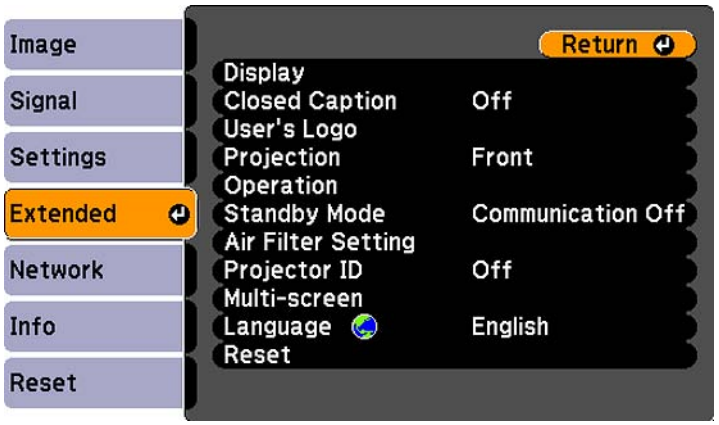
**Parent topic:** Using Basic Projector Features

## 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. Press the down arrow button to select the **Extended** menu and press **Enter**.




**Note:** The **Network** menu does not appear on non-network projector models.

4. Press the down arrow button to select the **Language** setting and press **Enter**.
5. Select the language you want to use and press **Enter**.
6. Press **Menu** or **Esc** to exit the menus.

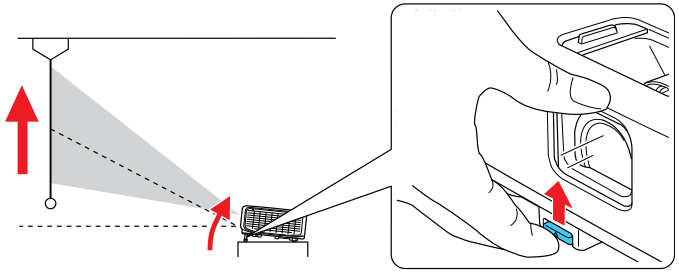
**Parent topic:** Using Basic Projector Features

## 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 foot.

1. Turn on the projector and display an image.

2. To adjust the front foot, pull up on the foot release lever and lift the front of the projector.



The foot extends from the projector.

3. Release the lever to lock the foot.

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

**Parent topic:** Using Basic Projector Features

**Related concepts**

Image Shape

**Related references**

Projector Feature Settings - Settings Menu

# Image Shape

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

Correcting Image Shape With Quick Corner

Correcting Image Shape With the Keystone Buttons

**Parent topic:** Using Basic Projector Features

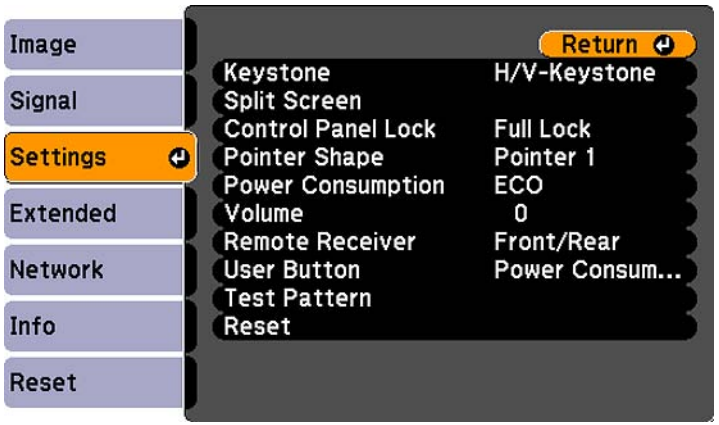
## Correcting Image Shape With Quick Corner

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.

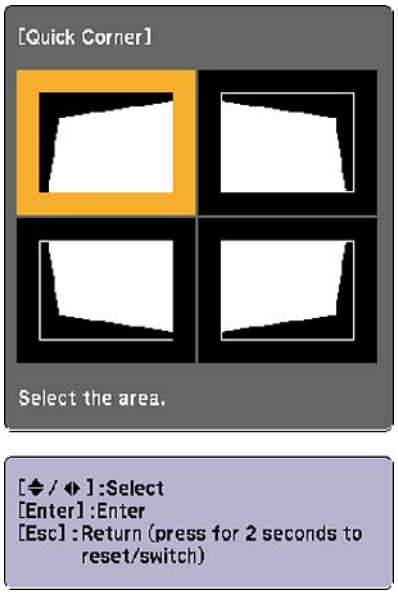
   **Note:** You can display a pattern to aid in adjusting the projected image using the **Settings** menu.

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




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

   You see the Quick Corner adjustment screen.




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 Feature Settings - Settings Menu

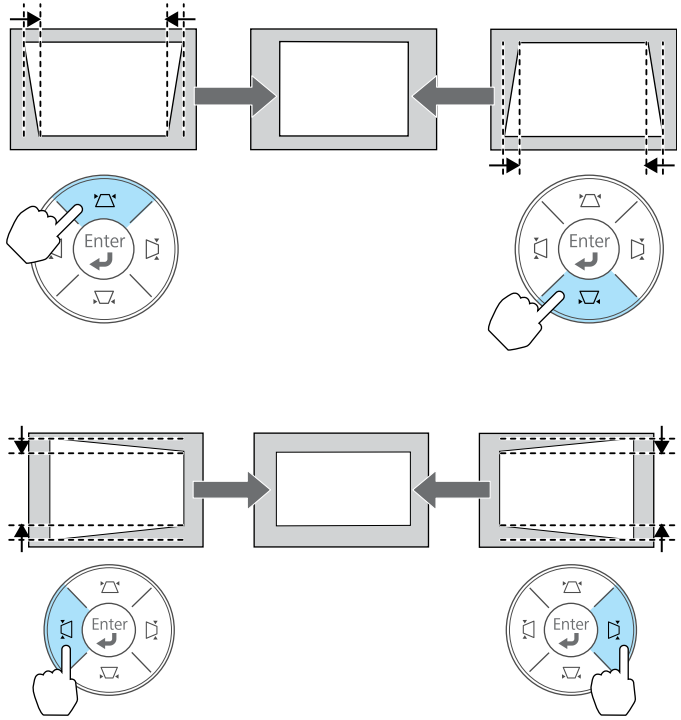
## Correcting Image Shape With the Keystone Buttons

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

1. Turn on the projector and display an image.

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

2. Press a keystone button on the projector's control panel.




After correction, your image is slightly smaller.

**Note:** If the projector is installed out of reach, you can also correct the image shape using the Keystone settings in the projector menus.

**Parent topic:** Image Shape

**Related references**

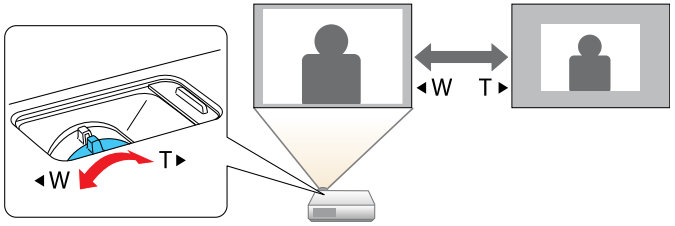
Projector Feature Settings - Settings Menu

## Resizing the Image With the Zoom Ring

1. Turn on the projector and display an image.

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

2. To enlarge or reduce the image size, rotate the projector's zoom ring.



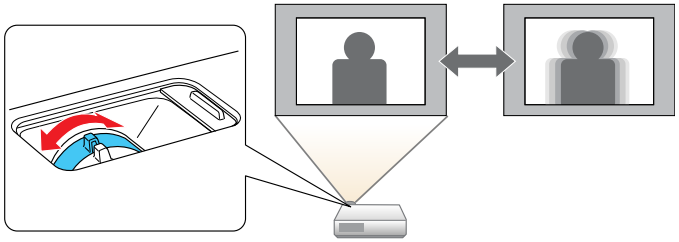

**Parent topic:** Using Basic Projector Features

## Focusing the Image Using the Focus Ring

1. Turn on the projector and display an image.

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

2. To sharpen the image focus, rotate the projector’s focus ring.

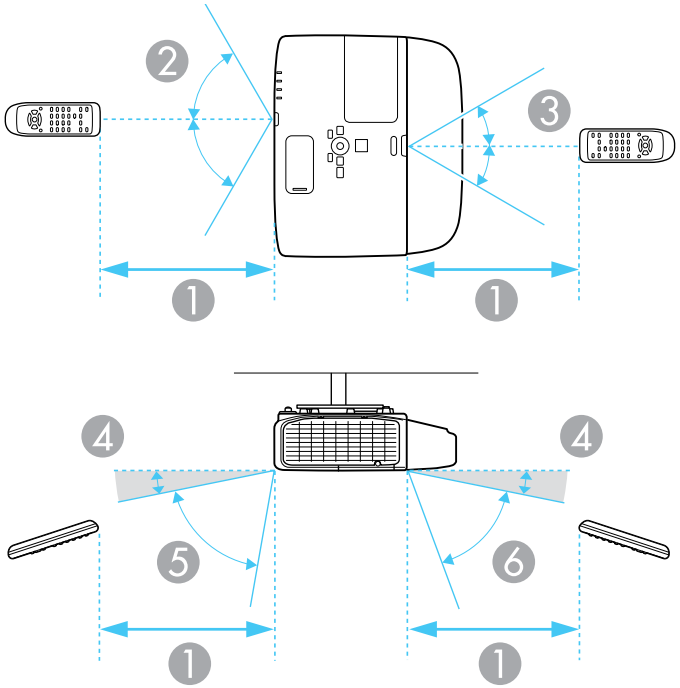


**Parent topic:** Using Basic Projector Features

# Remote Control Operation

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

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




| | |
|---|---|
| 1 | 19.7 feet (6 m) |
| 2 | 60º |
| 3 | 30º |
| 4 | 10º (no reception) |
| 5 | 70º |
| 6 | 60º |

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

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

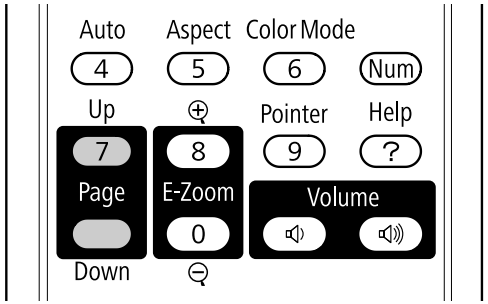
**Parent topic:** Using Basic Projector Features

**Related tasks**
Replacing the Remote Control Batteries

## Using the Remote Control as a Wireless Mouse

You can use the projector's remote control as a wireless mouse so you can control your computer presentation from a distance.

1. Connect the projector to a computer using the projector's **Computer** or **HDMI** port.
2. Using a USB cable, connect the projector's USB **TypeB** port to a USB port on your computer (for wireless mouse support).
3. Start your presentation.
4. Use the following buttons on the remote control to control your presentation:
   - To move through slides or pages, press the **Up** and **Down Page** buttons.




   - To move the cursor on the screen, use the arrow buttons.
   - To left-click, press the **Enter** button once (press it twice to double-click).
   - To right-click, press the **Esc** button.

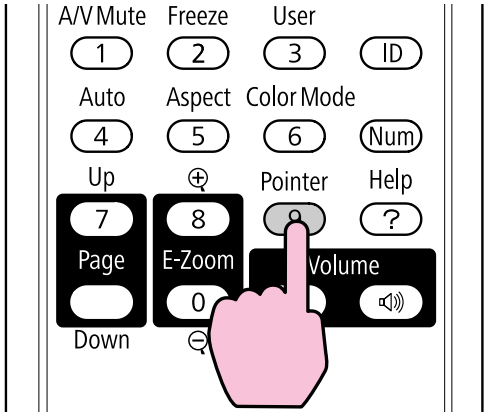
- To drag-and-drop, hold the **Enter** button as you move the cursor with the arrow buttons, then release **Enter** at the destination.

**Parent topic:** Remote Control Operation

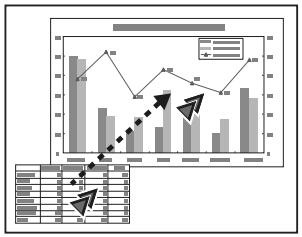
## Using the Remote Control as a Presentation Pointer

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

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




2. Use the arrow buttons on the remote control to move the pointer on the screen.



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

**Parent topic:** Remote Control Operation

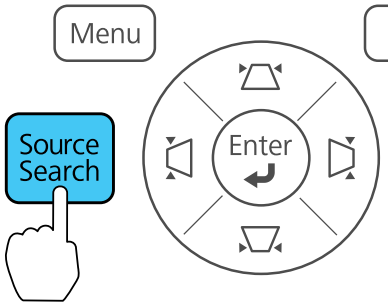
**Related references**

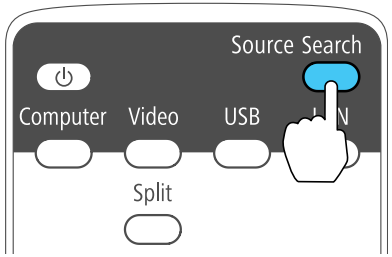
Projector Feature Settings - Settings Menu

# Selecting an Image Source

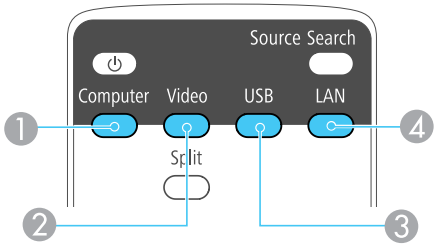
If you connected multiple image sources to the projector, such as a computer and DVD player, you may want to switch from one image source to the other.

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




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




1 Computer port sources
2 Video and HDMI sources
3 USB port sources (external devices)
4 Network source

4. If you see a blank screen or a "No Signal" message, try the following:
   - Check that the device cables are securely connected to the projector and the device.
   - Make sure the projector is turned on.
   - For laptop computers, make sure you have set up your laptop to output its display properly.

**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 the rear.

You can change the projection mode using the remote control or by changing a menu setting.

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

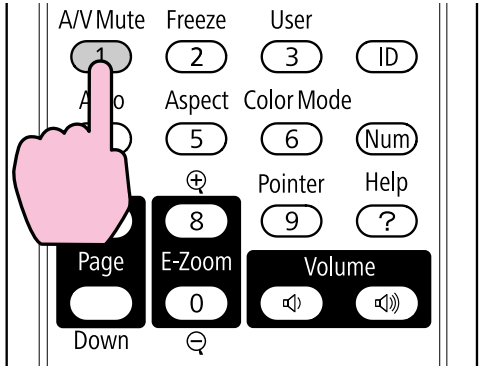
**Parent topic:** Using Basic Projector Features

## Changing the Projection Mode Using the Remote Control

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

1. Turn on the projector and display an image.
2. Hold down the **A/V Mute** button on the remote control for 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.

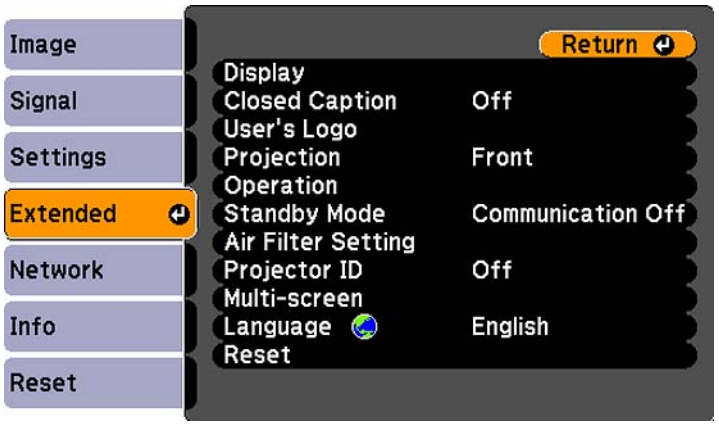
**Parent topic:** Projection Modes

## 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**.




4. Select the **Projection** setting and press **Enter**.
5. Select a projection mode and press **Enter**.
6. Press **Menu** or **Esc** to exit the menus.

**Parent topic:** Projection Modes

## Image Aspect Ratio

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

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

Changing the Image Aspect Ratio

Available Image Aspect Ratios

**Parent topic:** Using Basic Projector Features

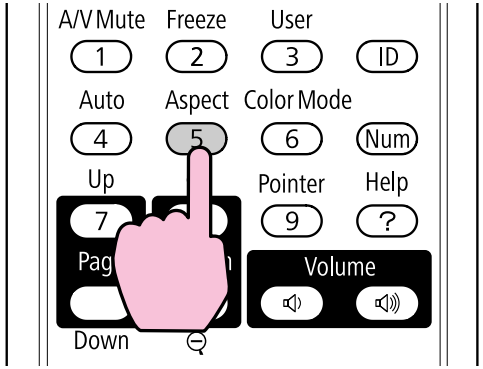
**Related references**

Image Quality Settings - Image Menu

## Changing the Image Aspect Ratio

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

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

## Available Image Aspect Ratios

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

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

**PowerLite D6150/D6250**

| Aspect ratio setting | Description |
|---|---|
| **Auto** | Automatically sets the aspect ratio according to the input signal. |

| Aspect ratio setting | Description |
|---|---|
| **Normal** | Displays images using the full projection area and maintains the aspect ratio of the image. |
| **4:3** | Displays images using the full projection area at 4:3 aspect ratio. |
| **16:9** | Converts the aspect ratio of the image to 16:9. |

**PowerLite D6155W**

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

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

**Parent topic:** Image Aspect Ratio

# 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

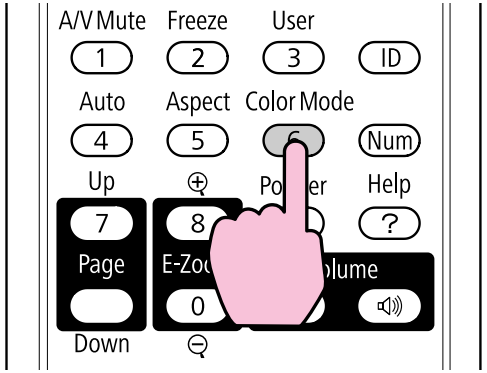
**Related references**

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 quality changes and the name of the Color Mode appears briefly on the screen.

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

**Parent topic:** Color Mode

## Available Color Modes

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

| Color Mode | Description |
|---|---|
| **Presentation** | Best for color presentations in a bright room |

| Color Mode | Description |
|---|---|
| **Dynamic** | Best for projecting in a bright room |
| **Theatre** | Best for movies projected in a dark room |
| **Sports** | Best for television images in a bright room |
| **sRGB** | Best for standard sRGB computer displays |
| **Blackboard** | Best for presentations onto a green chalkboard (adjusts the colors accordingly) |
| **Whiteboard** | Best for presentations onto a whiteboard (adjusts the colors accordingly) |
| **Photo** | Best for still images projected in a bright room |
| **Customized** | Best for customizing a color mode using manual **Color Adjustment** settings in the Image menu |

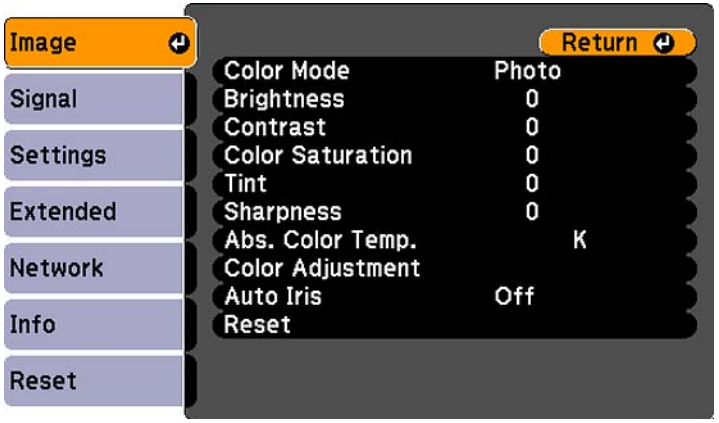
**Parent topic:** Color Mode

## 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.

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

**Parent topic:** Color Mode

## Controlling the Volume With the Volume Buttons

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

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

1. Turn on the projector and start a presentation that includes audio.
2. Press the **Volume** buttons as necessary to lower or raise the volume.

   A volume gauge appears on the screen.
3. To set the volume to a specific level for an input source, you can set the volume using a projector menu.

**Parent topic:** Using Basic Projector Features

**Related references**

Projector Feature Settings - Settings Menu

# Projecting a Slide Show

You can use your projector's **Slideshow** feature whenever you connect a USB device that contains compatible image files. This lets you quickly and easily display a slide show or presentation, and control it using the projector's remote control.

Slideshow Presentations

Supported Slideshow File Types

Starting a Slide Show or Presentation

**Parent topic:** Using Basic Projector Features

**Related concepts**

USB Device Projection

**Related tasks**

Connecting a USB Device or Camera to the Projector

## Slideshow Presentations

Your projector's **Slideshow** feature lets you do the following:

- Display individual images
- Present a slide show of all images in a folder

**Parent topic:** Projecting a Slide Show

## Supported Slideshow File Types

You can project these types of files using the projector's **Slideshow** feature.

**Note:** For best results, place your files on media that is formatted in FAT16/32.

| File contents | File type (extension) | Details |
|---|---|---|
| Image | .jpg | Make sure the file is not:<br>• CMYK format<br>• Progressive format<br>• Highly compressed<br>• Above 8192 × 8192 resolution |
| | .bmp | Make sure the file resolution is not above 1280 × 800 |
| | .gif | Make sure the file is not:<br>• Above 1280 × 800 resolution<br>• Animated |
| | .png | Make sure the file resolution is not above 1280 × 800 |

**Parent topic:** Projecting a Slide Show

## Starting a Slide Show or Presentation

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

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

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

   The **Slideshow** screen appears.




2. Do the following as necessary to locate your files:
   - If you need to display files in a subfolder on your device, press the arrow buttons to highlight the folder and press the **Enter** button.
   - To move back up a folder level on your device, highlight **Back to Top** and press **Enter**.
   - To view additional images in a folder, highlight **Next page** or **Previous page** and press **Enter**.
3. Do one of the following to start your slide show or presentation:
   - To display an individual image, press the arrow buttons to highlight the image and press **Enter**. (Press the **Esc** button to return to the file list screen.)
   - To display a slide show of all the images in a folder, press the arrow buttons to highlight the **Slideshow** option at the bottom of the screen and press **Enter**.
4. While projecting, use the following commands to control the display as necessary:
   - To rotate a displayed image, press the up or down arrow button.
   - To move to the next or previous image, press the left or right arrow button.
5. To stop the display, follow the on-screen instructions or press the **Esc** button.

Slideshow Display Options

**Parent topic:** Projecting a Slide Show

**Related tasks**

Disconnecting a USB Device or Camera From the Projector

### Slideshow Display Options

You can select these display options when using the projector's **Slideshow** feature.




| Option | Available settings | Description |
|---|---|---|
| **Display order** | **Name order** | Displays files in name order |
| | **Date order** | Displays files in date order |
| **Sort Order** | **In Ascending** | Sorts files in first-to-last order |
| | **In Descending** | Sorts files in last-to-first order |
| **Continuous Play** | **On** | Displays a slide show continuously |
| | **Off** | Displays a slide show one time through |
| **Screen switching time** | **No** | Does not display the next file automatically |
| | **1Sec.** to **60Sec.** | Displays files for the selected time (in seconds) and switches to the next file automatically |
| **Effect** | **Wipe** | Transitions between images with a wipe effect |
| | **Dissolve** | Transitions between images with a dissolve effect |
| | **Random** | Transitions between images using a random variety of effects |

**Parent topic:** Starting a Slide Show or Presentation

# Adjusting Projector Features

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

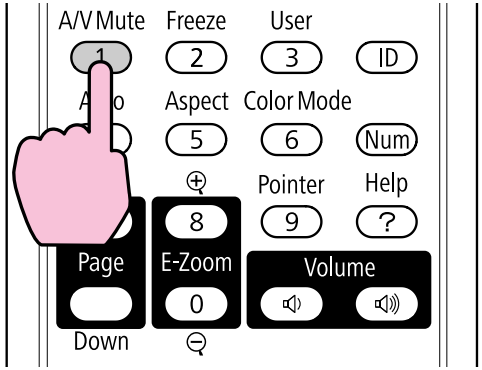

Shutting Off the Picture and Sound Temporarily
Stopping Video Action Temporarily
Zooming Into and Out of Images
Projector Security Features
Projector Identification System for Multiple Projector Control
Projecting Two Images Simultaneously


## Shutting Off the Picture and Sound Temporarily

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

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

1. Press the **A/V Mute** button on the remote control to temporarily stop projection and mute any sound.




2. To turn the picture and sound back on, press **A/V Mute** again.

**Parent topic:** Adjusting Projector Features

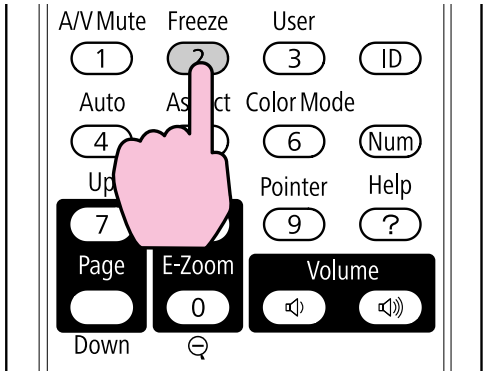
**Related references**

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.



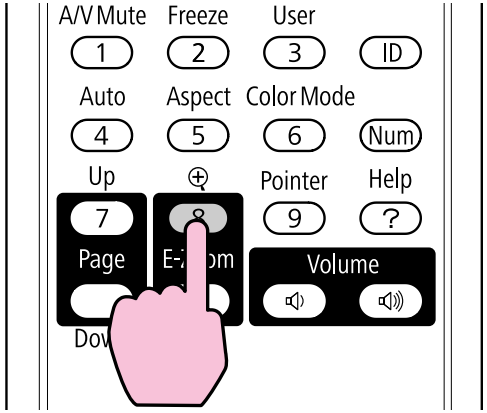

2. To restart the video action in progress, press **Freeze** again.

**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 up to four times.
   - 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 prevent theft or unintended use by setting up the following security features:

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

Password Security Types
Locking the Projector's Buttons

Installing a Security Cable

**Parent topic:** Adjusting Projector Features

## Password Security Types

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

- **Power On Protect** password prevents anyone from using the projector without first entering a password.
- **User's Logo Protect** 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 Protect** password prevents anyone from changing the network settings in the projector menus.

Setting a Password

Selecting Password Security Types

Entering a Password to Use the Projector

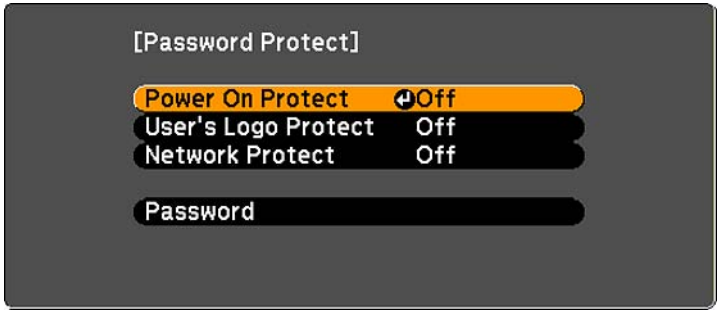
Saving a User's Logo Image to Display

**Parent topic:** Projector Security Features

### Setting a Password

To use password security, you must set a password.

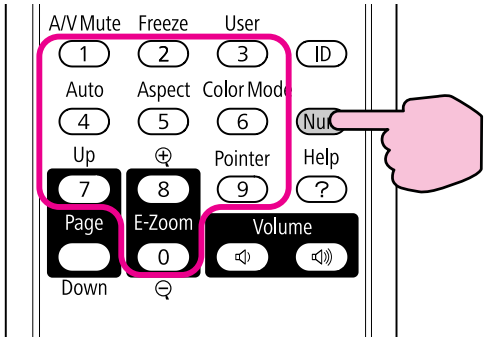
1. Hold down the **Freeze** button on the remote control until you see the Password Protect menu. This takes about five seconds.




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. 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.

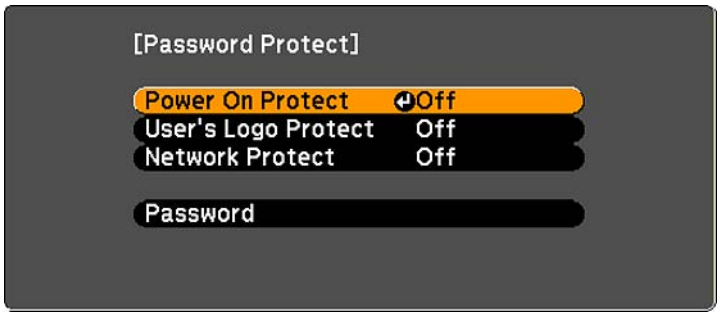
5. Enter the password again.

   You see the message "Password accepted."
6. Press **Esc** to return to the Password Protect 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 the Password Protect menu. 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 five seconds until the menu appears.

1. To prevent unauthorized use of the projector, select **Power On Protect**, 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 Protect**, press **Enter**, select **On**, press **Enter** again, and press **Esc**.
3. To prevent changes to network settings, select **Network Protect**, press **Enter**, select **On**, press **Enter** again, and press **Esc**.

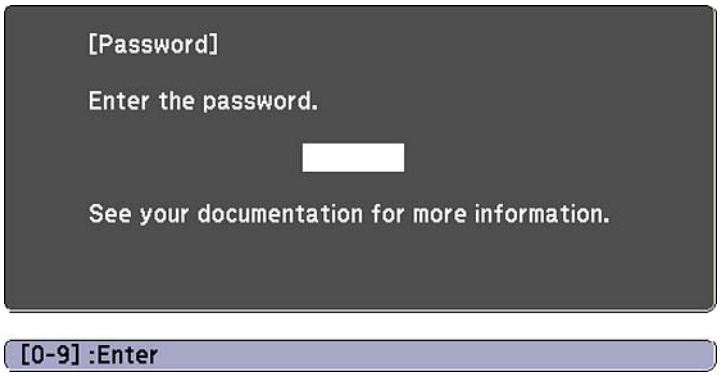
You can attach the Password Protect sticker to the projector as an additional theft deterrent.

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

**Parent topic:** Password Security Types

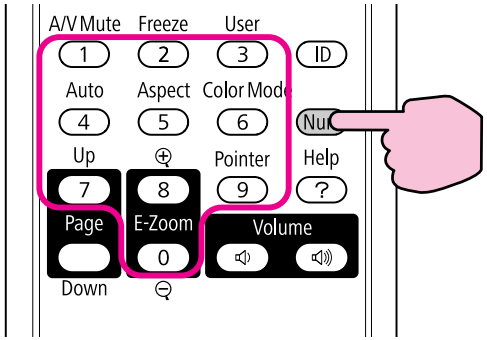
### Entering a Password to Use the Projector

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




You must enter the correct password to use the projector.

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




   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 the password is incorrect three times, you see a message that the projector is locked and a request code. Write down the code, turn the projector off, and disconnect the power cord from the projector. Then reconnect the power cord, turn the projector back on, and enter the password again.

- If the password is incorrect 30 times in a row, the projector remains locked. You must contact Epson for service and provide the request code displayed with the locking message.

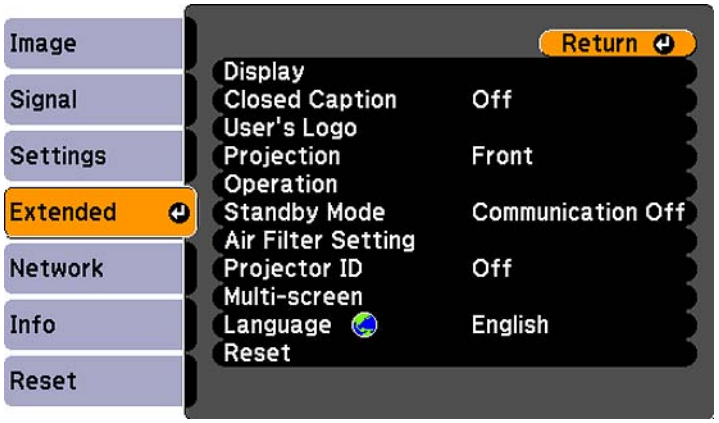
**Parent topic:** Password Security Types

### Saving a User's Logo Image to Display

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

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

1. Display the image you want to project as the User's Logo.
2. Press the **Menu** button, select the **Extended** menu, and press **Enter**.




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

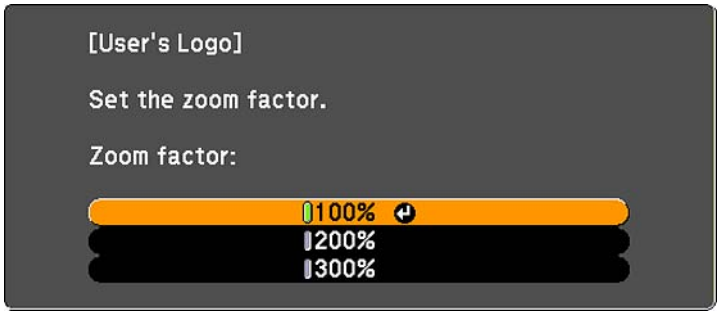
   You see a prompt asking if you want to use the displayed image as a user's logo.
4. Select **Yes** and press **Enter**.

   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.




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**.

   **Note:** It takes a few moments for the projector to save the image; do not use the projector, its remote control, or any connected equipment until it is finished.

   You see a completion message.

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**.

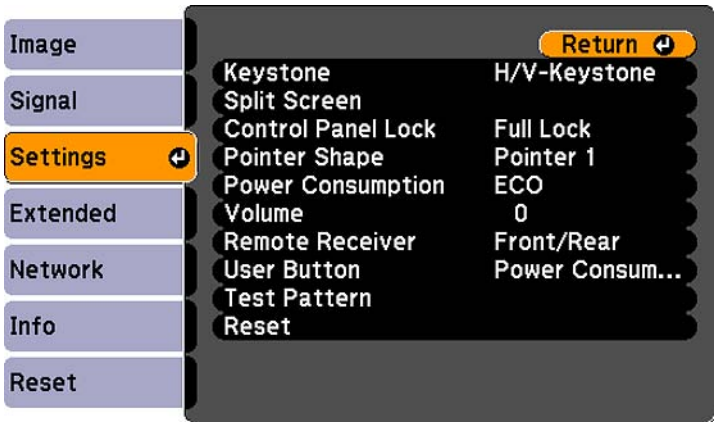
To prevent anyone from changing the User's Logo settings without first entering a password, set a password and enable User's Logo security.

**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**.




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

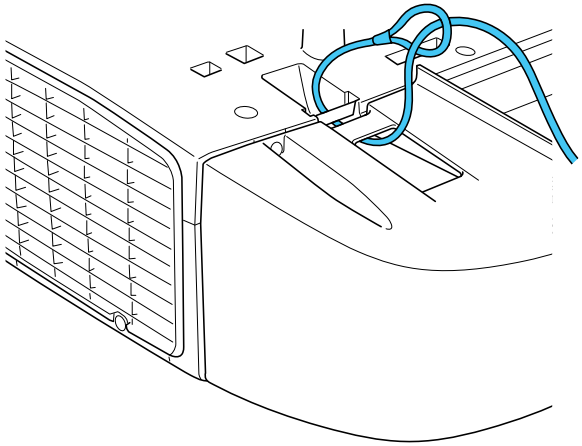
If the projector's buttons have been locked, hold the **Enter** button on the projector's control panel for seven seconds to unlock them.

**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 back of the projector to attach a Kensington Microsaver Security system, available from Epson.
- Use the security cable attachment point on the projector to attach a wire cable and secure it to a room fixture or heavy furniture.



**Parent topic:** Projector Security Features

**Related references**

Projector Parts - Rear

# Projector 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 two feet (60 cm) of space between the projectors to prevent them from overheating.

Setting the Projector ID

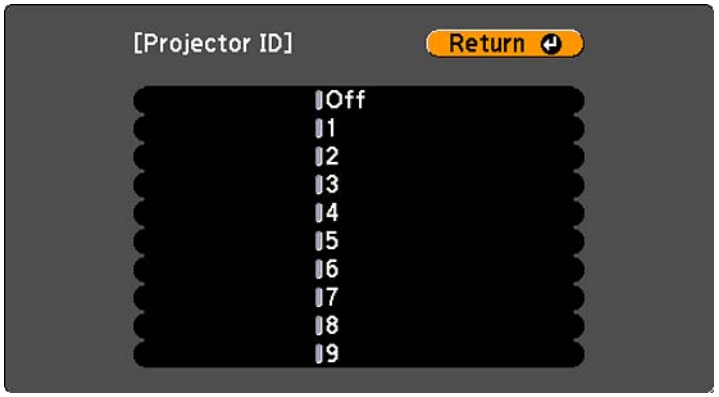
Setting the Remote Control ID
Matching Multiple-Projector Display Quality

**Parent topic:** Adjusting Projector Features

## 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 **Projector ID** and press **Enter**.




4. 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.

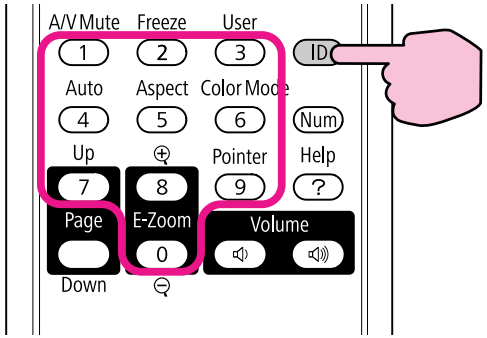
**Parent topic:** Projector Identification System for Multiple Projector Control

## Setting the Remote Control ID

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

1. Turn on the projector you want the remote control to operate with exclusively.
2. Make sure you know the projector's ID number as set in the **Extended** menu **Projector ID** setting.

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




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

   You see a message displayed by the projector.

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

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

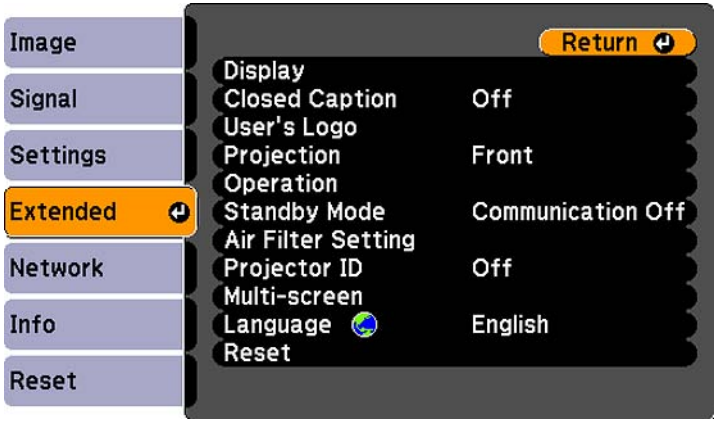
**Parent topic:** Projector Identification System for Multiple Projector Control

## Matching Multiple-Projector Display Quality

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

1. Turn on all the projectors on which you want to match the display quality.
2. Set ID numbers on each projector.
3. Make sure all the projectors are using the same **Color Mode** setting.
4. It is best to match two projectors at a time, so set the remote control ID to match the first projector.

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




6. Select the **Multi-screen** setting and press **Enter**.
7. Set the **Adjustment Level** setting to **1** and press **Enter**.
8. Set the remote control ID to match the second projector.
9. Access the **Extended** menu **Multi-screen** setting on the second projector and set the **Adjustment Level** setting to **1**.
10. 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.)
11. Change the **Adjustment Level** setting to **5** on each projector, but this time match the lighter display to the darker one.
12. Adjust the **Brightness Correct.** setting on **Adjustment Level 2**, **3** , and **4** in the same way.
13. 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.
14. If you need to match more projectors, repeat these steps matching projector 3 to projector 2, 4 to 3, and so on.

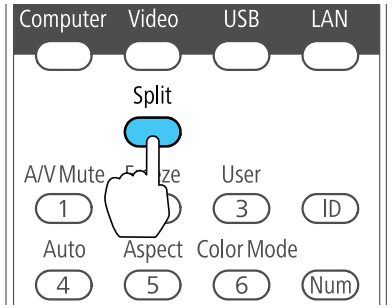
**Parent topic:** Projector Identification System for Multiple Projector Control

# 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.

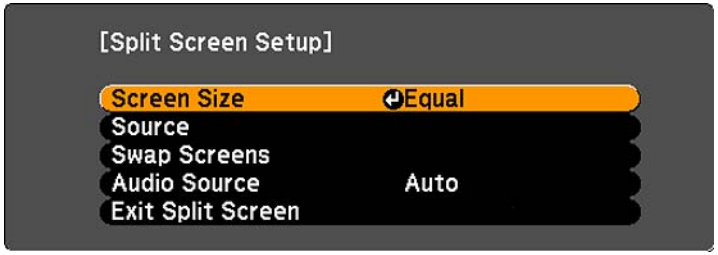
1. Press the **Split** button on the remote control.




   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

**Related references**

Input Signal Settings - Signal Menu

# Adjusting the Menu Settings

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

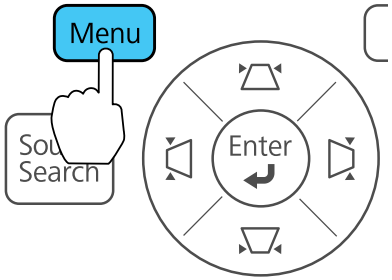
**Note:** The **Network** menu does not appear on non-network projector models.

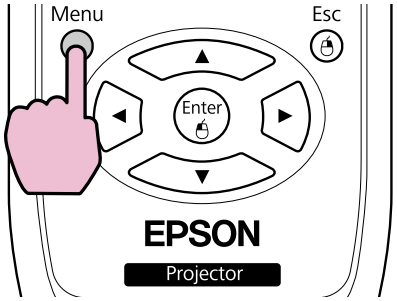

Using the Projector's Menus
Image Quality Settings - Image Menu
Input Signal Settings - Signal Menu
Projector Feature Settings - Settings Menu
Projector Setup Settings - Extended Menu
Projector Network Settings - Network Menu
Projector Information Display - Info Menu
Projector Reset Options - Reset Menu


## Using the Projector's Menus

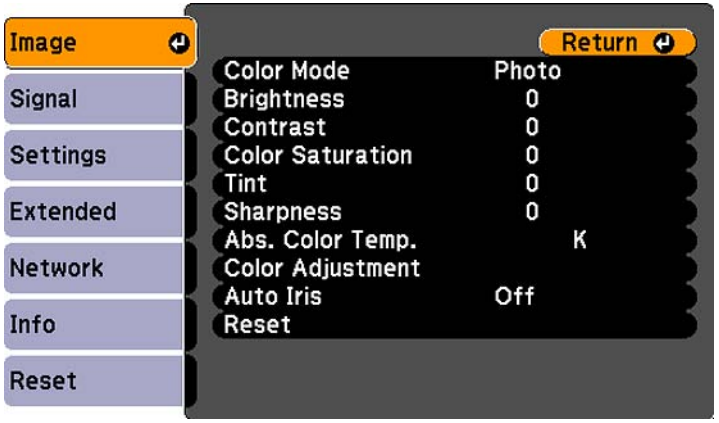
You can use the projector's menus to adjust the settings that control how your projector works. The projector displays the menus on the screen.

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 buttons 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.

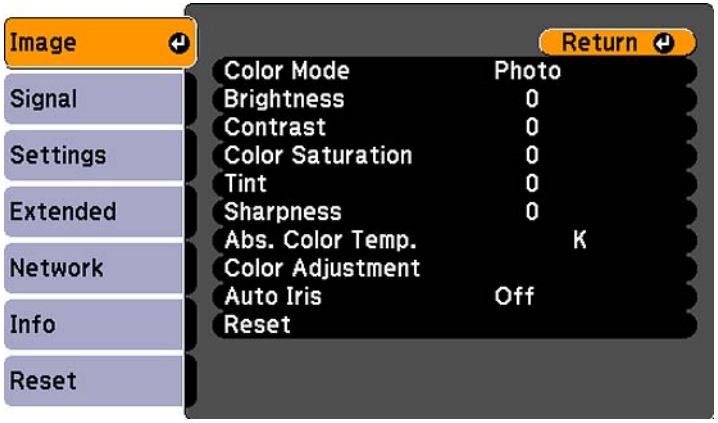
3. To change settings in the displayed menu, press **Enter**.
4. Press the up or down arrow button to move through the settings.
5. Change the settings using the buttons listed on the bottom of the menu screens.
6. To return all the menu settings to their default values, select **Reset**.
7. When you 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.




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 |
| **Abs. Color Temp** (absolute color temperature) | 5000 to 10000 ºK (Kelvin) | Sets the color tone based on color temperature |
| **Color Adjustment** | Slider bars for each color | Adjusts the intensity of individual hues in the image |
| **Auto Iris** | **On**<br>**Off** | 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.

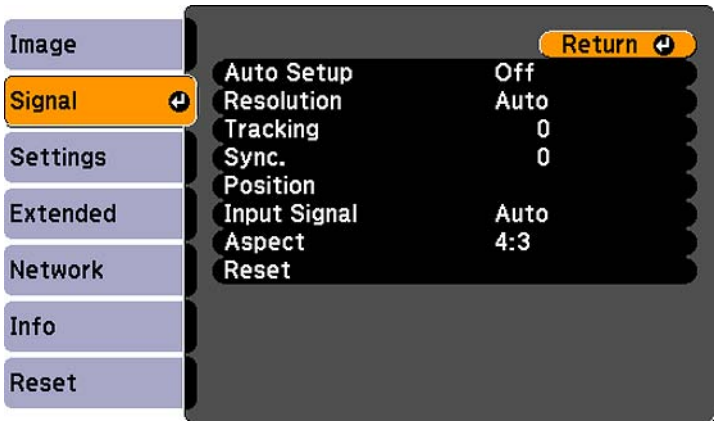
**Parent topic:** Adjusting the Menu Settings

**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.




**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**<br>**Off** | Automatically optimizes computer image quality (when On) |
| **Resolution** | **Auto**<br>**Normal**<br>**Wide**<br>**Customized** (1 and 2)<br>Various resolutions | Sets the input signal resolution if not detected automatically using the **Auto** option |
| **Tracking** | Varying levels available | Adjusts signal to eliminate vertical stripes in computer images |
| **Sync** | Varying levels available | Adjusts signal to eliminate fuzziness or flickering in computer images |

| Setting | Options | Description |
|---|---|---|
| **Position** | Up, down, left, right | Adjusts the image location on the screen |
| **Progressive** | **Off**<br>**Video**<br>**Film/Auto** | Sets whether to convert interlaced-to-progressive signals for certain video image types<br>**Off**: for fast-moving video images<br>**Video**: for most video images<br>**Film/Auto**: for movies, computer graphics, and animation |
| **Noise Reduction** | **Off**<br>**NR1**<br>**NR2** | Reduces flickering in analog images in two levels |
| **HDMI Video Range** | **Normal**<br>**Expanded**<br>**Auto** | Sets the video range to match the setting of the device connected to the HDMI input port |
| **Input Signal** | **Auto**<br>**RGB**<br>**Component** | Specifies the signal type from input sources connected to computer ports<br>**Auto**: detects signals automatically<br>**RGB**: corrects color for computer/RGB video inputs<br>**Component**: corrects color for component video inputs |
| **Video Signal** | **Auto**<br>Various video standards | Specifies the signal type from the input sources connected to the video ports<br>**Auto**: detects signals automatically |

| Setting | Options | Description |
|---|---|---|
| **Aspect** | See the list of available aspect ratios | Sets the aspect ratio (width-to-height ratio) for the selected input source |
| **Overscan** | **Auto**<br>**Off**<br>**4%**<br>**8%** | Changes the projected image ratio to make the edges visible by a selectable percentage or automatically |

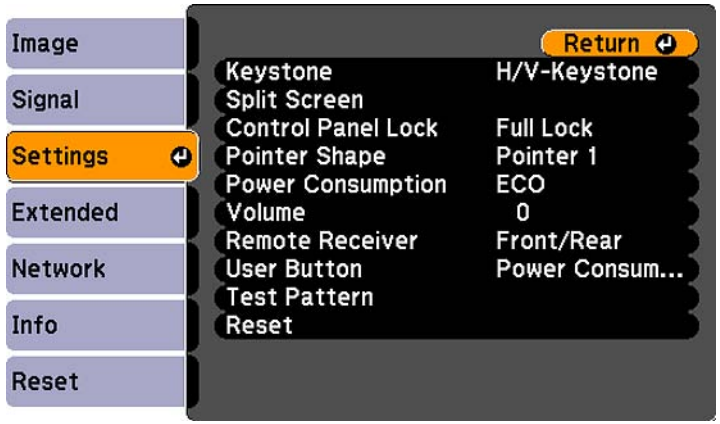
**Parent topic:** Adjusting the Menu Settings

**Related references**

Available Image Aspect Ratios

# Projector Feature Settings - Settings Menu

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



| Setting | Options | Description |
|---|---|---|
| **Keystone** | **H/V Keystone**<br>**Quick Corner** | Adjusts image shape to rectangular (horizontally and vertically)<br>**H/V Keystone**: lets you manually correct horizontal and vertical sides<br>**Quick Corner**: select to correct image shape and alignment using an on-screen display |
| **Split Screen** | **On**<br>**Off** | Divides the viewing area horizontally and displays two images side-by-side (press **Esc** to cancel split screen display) |
| **Control Panel Lock** | **Full Lock**<br>**Partial Lock**<br>**Off** | Controls projector button locking to secure the projector<br>**Full Lock**: locks all buttons<br>**Partial Lock**: locks all buttons except the power button<br>**Off**: no buttons locked |
| **Pointer Shape** | Three shapes available | Changes the shape of the remote control pointer feature |
| **Power Consumption** | **Normal**<br>**ECO** | Selects the brightness mode of the projector lamp<br>**Normal**: sets maximum lamp brightness<br>**ECO**: reduces lamp brightness and fan noise, and saves power and lamp life |
| **Volume** | Varying levels available | Adjusts the volume of projector's speaker system or external speakers |

| Setting | Options | Description |
|---|---|---|
| **Remote Receiver** | **Front**<br>**Rear**<br>**Front/Rear**<br>**Off** | Limits reception of remote control signals by the selected receiver; **Off** turns off all receivers |
| **User Button** | **Power Consumption**<br>**Info**<br>**Progressive**<br>**Closed Caption**<br>**Test Pattern**<br>**Multi-screen**<br>**Resolution** | Assigns a menu option to the **User** button on the remote control for one-touch access |
| **Test Pattern** | **On**<br>**Off** | Displays a test pattern to assist in focusing and zooming the image and correcting image shape (press **Esc** to cancel pattern display) |

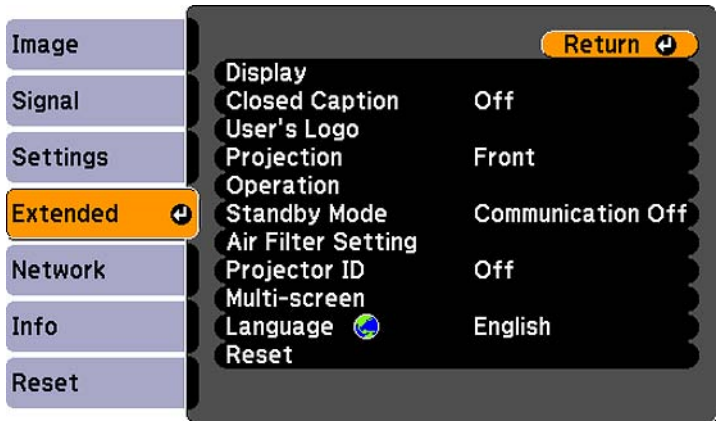
**Parent topic:** Adjusting the Menu Settings

**Related tasks**

Projecting Two Images Simultaneously

## 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** | **Messages**<br>**Display Background**<br>**Startup Screen**<br>**A/V Mute** | Selects various display options<br>**Messages**: controls whether messages are displayed on the screen<br>**Display Background**: selects the screen color or logo to display when no signal is received<br>**Startup Screen**: controls whether a special screen appears when the projector starts up<br>**A/V Mute**: selects the screen color or logo to display when A/V Mute is turned on |
| **Closed Caption** | **Off**<br>**CC1**<br>**CC2** | Controls use of closed captions and selects the closed caption channel |

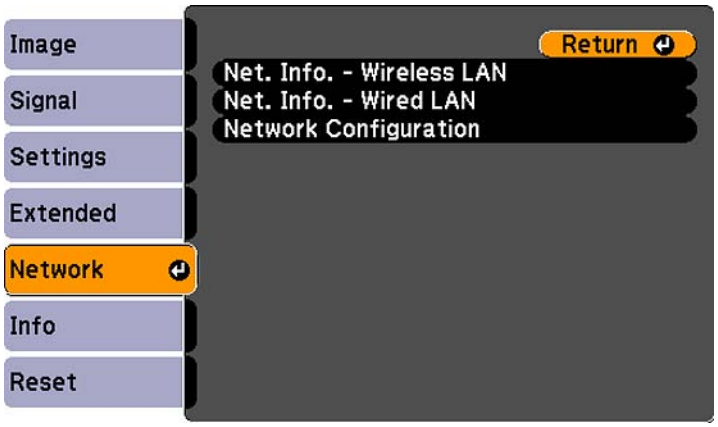
| Setting | Options | Description |
|---|---|---|
| **User's Logo** | – | Creates a screen that the projector displays to identify itself and enhance security |
| **Projection** | **Front**<br>**Front/Ceiling**<br>**Rear**<br>**Rear Ceiling** | Selects the way the projector faces the screen so the image is oriented correctly |
| **Operation** | **Direct Power On**<br>**Sleep Mode**<br>**Sleep Mode Timer**<br>**Trigger Out**<br>**High Altitude Mode** | Selects various operation options<br>**Direct Power On**: lets you turn on the projector without pressing the power button<br>**Sleep Mode**: automatically turns off the projector after an interval of inactivity<br>**Sleep Mode Timer**: sets the interval for Sleep Mode<br>**Trigger Out**: outputs a DC 12V signal from the 3.5 mm mini-jack **Trigger Out** port whenever the projector is turned on<br>**High Altitude Mode**: regulates the projector's operating temperature at altitudes above 4921 feet (1500 m) |
| **Standby Mode** | **Communication On**<br>**Communication Off** | Selects whether the following can occur when the projector is in standby mode (on) or not (off)<br>• Projector can be monitored over a network<br>• Display output signals on an external monitor from the **Computer1** port |

| Setting | Options | Description |
|---|---|---|
| **Air Filter Setting** | **Clean Notice**<br>**Clean Notice Timing** | Selects whether a reminder to change the air filter appears<br>**Clean Notice**: set to on to display a message when it is time to clean the air filter<br>**Clean Notice Timing**: sets length of the interval between cleaning notices |
| **Projector ID** | **Off**<br>**1 through 9** | Assigns an ID for the projector when you use multiple projectors |
| **Multi-screen** | **Adjustment Level** (**1** to **5**)<br>**Brightness Correct**<br>**Color Correct** | Matches display qualities and colors of multiple projectors |
| **Language** | Various languages available | Selects the language for projector menu and message displays (not changed by **Reset** option) |

**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** | **Connection mode**<br>**Antenna level**<br>**Projector Name**<br>**SSID**<br>**DHCP**<br>**IP Address**<br>**Subnet Mask**<br>**Gateway Address**<br>**MAC Address**<br>**Region Code** | Displays wireless network status and details |
| **Net. Info - Wired LAN** | **Projector Name**<br>**DHCP**<br>**IP Address**<br>**Subnet Mask**<br>**Gateway Address**<br>**MAC Address** | Displays wired network status and details |

| Setting | Options | Description |
|---|---|---|
| **Network Configuration** | Accesses additional network menus | Configures your network settings |

**Parent topic:** Adjusting the Menu Settings

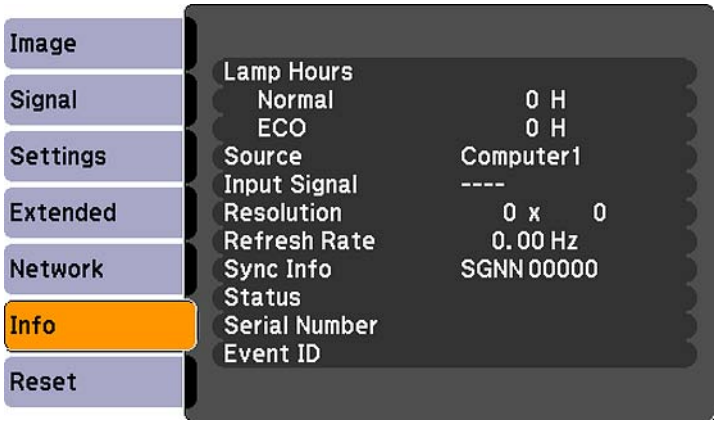
**Related concepts**

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.




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

| Information item | Description |
|---|---|
| **Lamp Hours** | Displays the number of hours (**H**) the lamp has been used in **Normal** and **ECO** Power Consumption modes; if the information is displayed in yellow, obtain a genuine Epson replacement lamp soon |

| Information item | Description |
|---|---|
| **Source** | Displays the name of the port to which the current input source is connected |
| **Input Signal** | Displays the input signal setting of the current input source |
| **Resolution** | Displays the resolution of the current input source |
| **Video Signal** | Displays the video signal format of the current input source |
| **Refresh Rate** | Displays the refresh rate of the current input source |
| **Sync Info** | Displays information that may be needed by a service technician |
| **Status** | Displays information about projector problems that may be needed by a service technician |
| **Serial Number** | Displays the projector's serial number |
| **Event ID** | Displays the Event ID number corresponding to a specific projector problem; see the list of Event ID codes |

Event ID Code List

**Parent topic:** Adjusting the Menu Settings

**Related references**

Optional Equipment and Replacement Parts

Projector Lamp Specifications

## 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 | |

| Event ID code | Cause and solution |
|---|---|
| 0434 | Unstable network communication. Check the network communication status, wait a few moments, and try connecting to the network again. |
| 0482 | |
| 0484 | |
| 0485 | |
| 0433 | Cannot display the transferred images. Restart the EasyMP Network Projection program. |
| 0481 | Communication with computer was disconnected. Restart the EasyMP Network Projection program. |
| 0483 | The EasyMP Network Projection program quit unexpectedly. Check the network communication status, then turn the projector off and then on again. |
| 04FE | |
| 0479 | A projector system error has occurred. Turn the projector off and then on again. |
| 04FF | |
| 0891 | Cannot find an access point with the same SSID. Set your computer, access point, and projector to the same SSID. |
| 0892 | The WPA/WPA2 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. |
| 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. |
| 0895 | A communication error has occurred. Try restarting the EasyMP Network Projection program and restarting your projector. If that does not solve the problem, contact Epson for help. |
| 0899 | |

**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.




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

- Input Signal
- User's Logo
- Language
- Network menu items
- Lamp Hours
- Password
- User Button
- Multi-screen

**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 the lamp cover. 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 Cover Glass
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 Cover Glass

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

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

- To remove stubborn smudges, moisten a soft, lint-free cloth with lens cleaner and gently wipe the lens cover glass.

  **Warning:** Do not use a lens cleaner that contains flammable gas. The high heat generated by the projector lamp may cause a fire.

**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.

  **Caution:** Do not use wax, alcohol, benzene, paint thinner, or other chemicals to clean the projector case. These can damage the case.

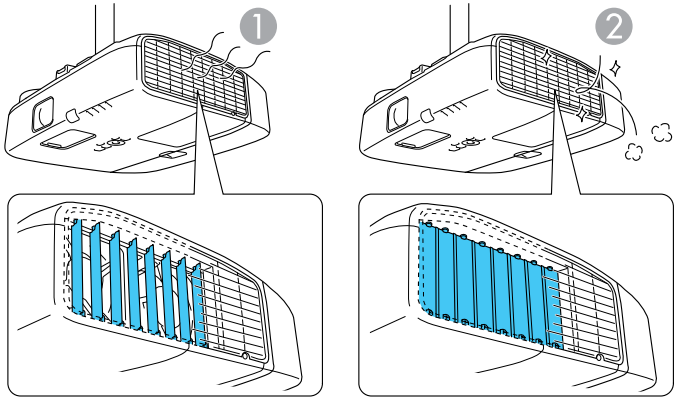
**Parent topic:** Projector Maintenance

## Air Filter and Vent Maintenance

The projector's air filter keeps the intake air clean, and its vents expel the exhaust. If dust collects on the air filter or vents, clean them as described in this manual. Dust clogs may cause the projector to overheat due to improper ventilation.

Be sure to clean the air filter and vents if you see a message telling you to do so. Also make sure nothing blocks the vents.

The projector includes exhaust vent shutters that prevent the buildup of dust by automatically closing when the projector is turned off.



1 **Projector on**

2 **Projector off**

Cleaning the Air Filter

Replacing the Air Filter

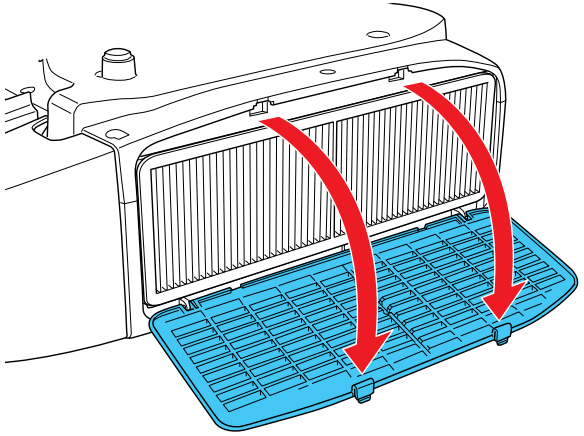
**Parent topic:** Projector Maintenance

## Cleaning the Air Filter

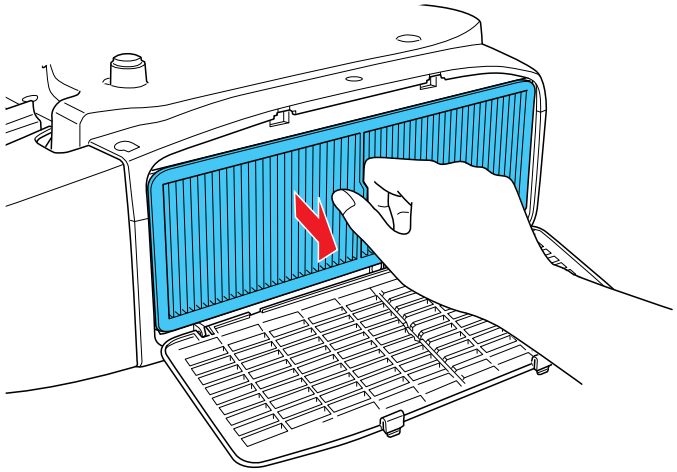
Be sure to clean the projector's air filter if it gets dusty, if you see a message telling you to clean it, or if the **Filter** light flashes green.

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

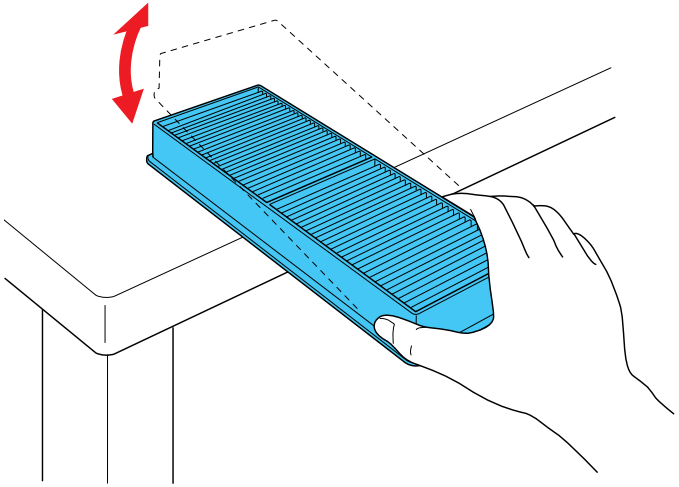
2. Press down on the tabs on the air filter cover and open the cover.



3. Pull the air filter out of the projector.

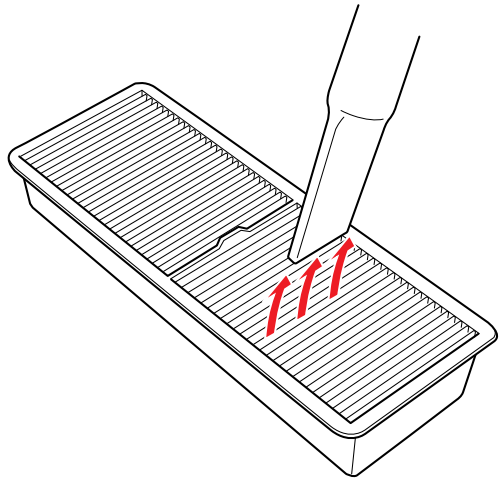


4. Tap each side of the air filter 4 to 5 times to shake off any excess dust.



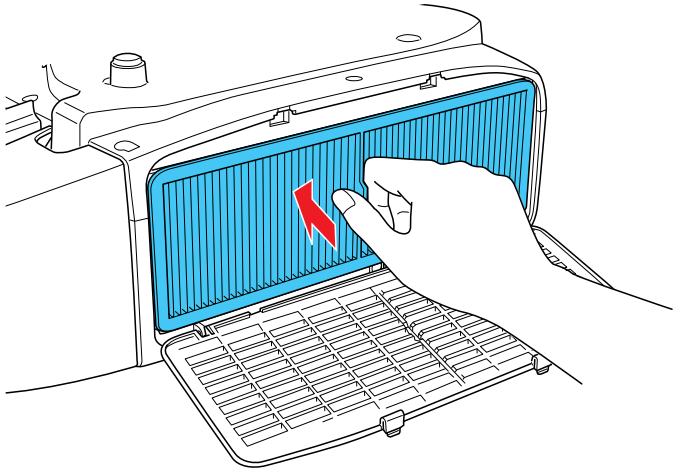
**Caution:** Do not use excessive force when tapping the air filter, or it may crack and become unusable. Do not rinse the air filter in water, or use any detergent or solvent to clean it.

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.



7. Close the air filter cover.

**Parent topic:** Air Filter and Vent Maintenance

**Related references**

Projector Light Status

## Replacing the Air Filter

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

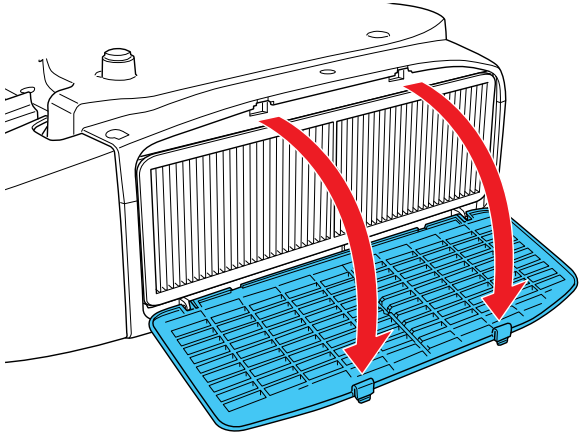
- After cleaning the air filter, you see a message telling you to clean or replace it
- The air filter is torn or damaged

**Note:** You must install an air filter or the projector will turn off after about one minute.

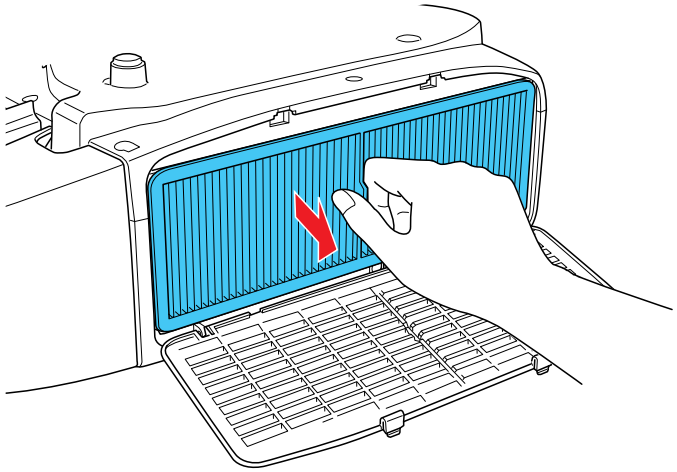
You can replace the air filter while the projector is mounted to the ceiling, if necessary. The illustrations below show the projector placed on a table.

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

2. Press down on the tabs on the air filter cover and open the cover.

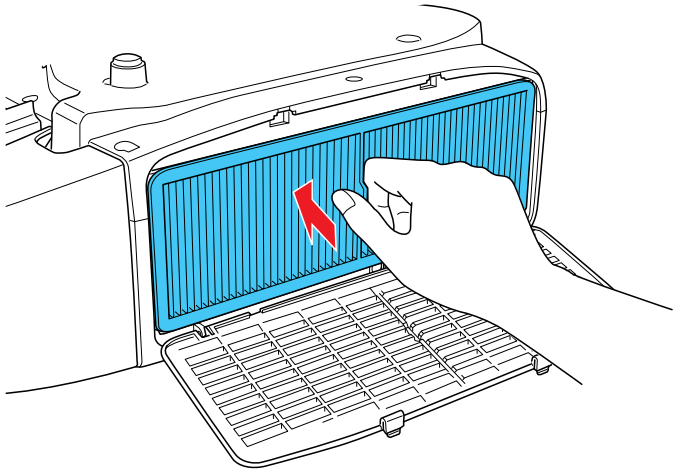


3. Pull the air filter out of the projector.



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

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



5. Close the air filter cover.

**Parent topic:** Air Filter and Vent Maintenance

**Related references**

Projector Light Status

## 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

Replacing the Lamp

Resetting the Lamp Timer

**Parent topic:** Projector Maintenance

**Related references**

Optional Equipment and Replacement Parts

Projector Lamp Specifications

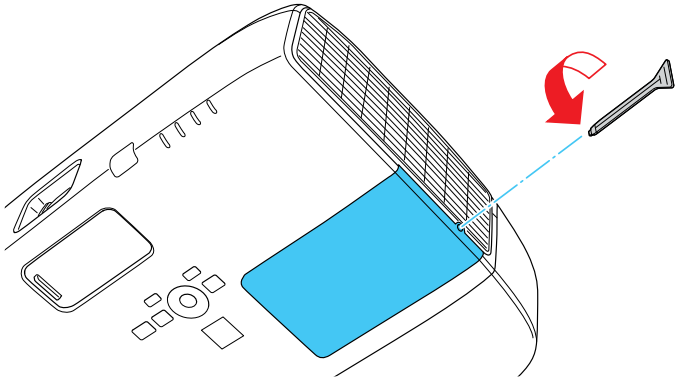
## Replacing the Lamp

Before you replace the lamp, let the projector cool down for at least one hour.

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

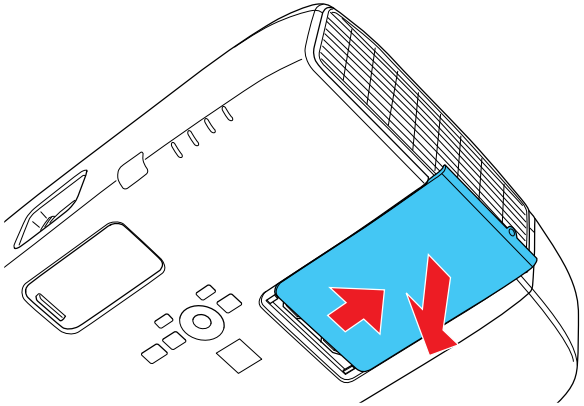
You can replace the lamp while the projector is mounted to the ceiling, if necessary.

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 screw securing the lamp cover.

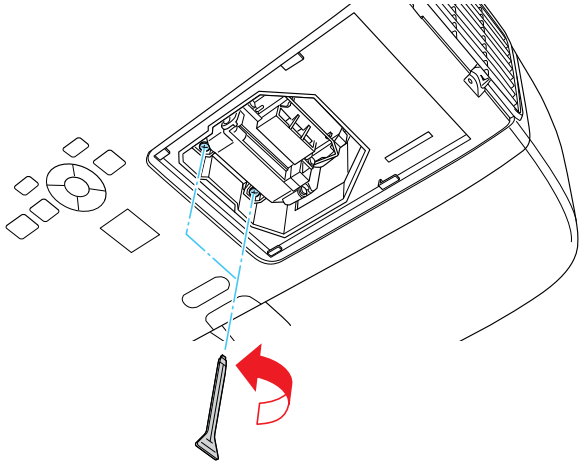


**Warning:** If the lamp is broken, glass fragments may be loose inside the lamp chamber. Be careful removing any broken glass to avoid injury.

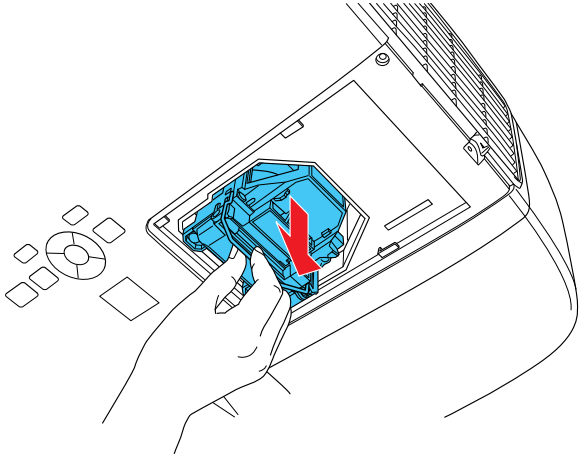
4. Slide the lamp cover out and lift it off.



5. Loosen the screws securing the lamp to the projector. The screws do not come all the way out.

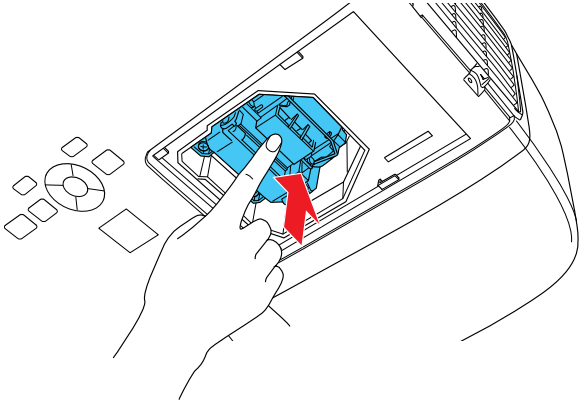


6. Lift up the lamp handle and gently pull the lamp out of the projector.



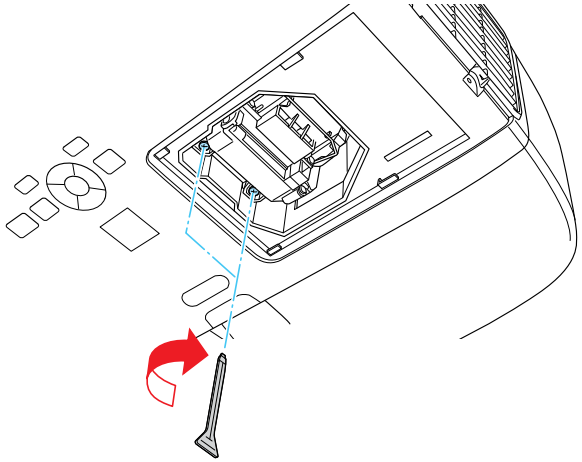
**Note:** Hg The lamp(s) in this product contain mercury. Please consult your state and local regulations regarding disposal or recycling. Do not put in the trash.

7. Gently insert the new lamp into the projector. If it does not fit easily, make sure it is facing the right way. Press the handle down.

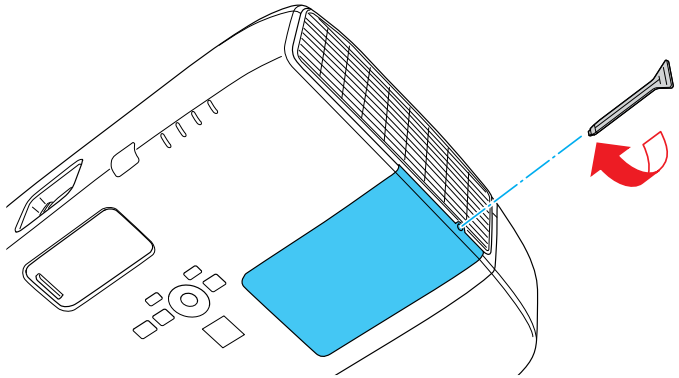


**Caution:** Do not touch any glass on the lamp assembly to avoid premature lamp failure.

8. Push in the lamp firmly and tighten the screws to secure it.



9. Replace the lamp cover and tighten the screw 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 tasks**

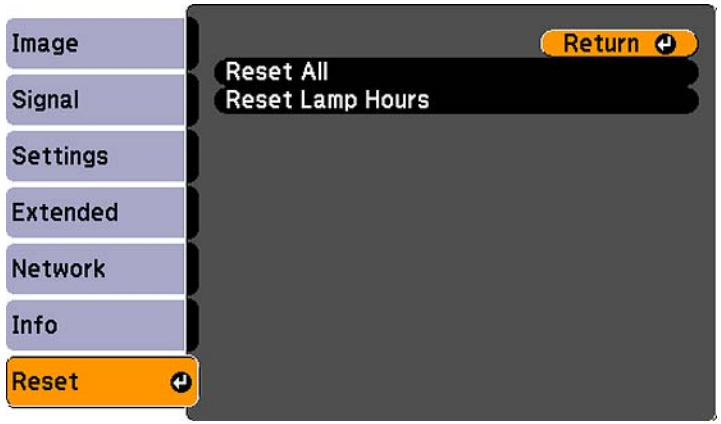
Resetting the Lamp Timer

## 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** to exit the menus.

**Parent topic:** Projector Lamp Maintenance

**Related tasks**

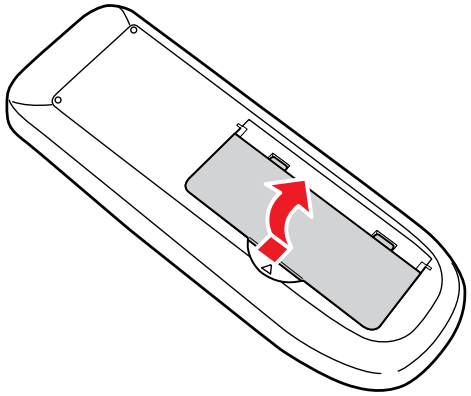
Replacing the Lamp

## Replacing the Remote Control Batteries

The remote control uses the 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.

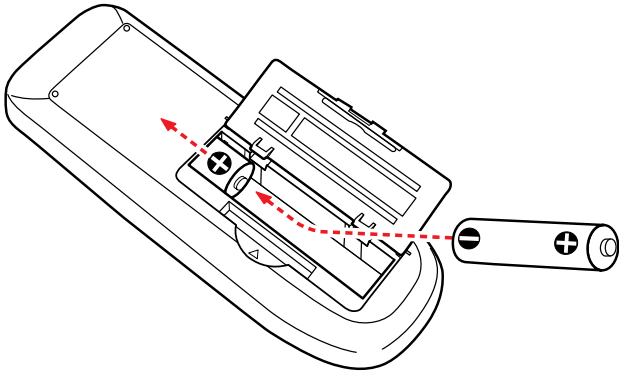
1. Open the battery cover as shown.



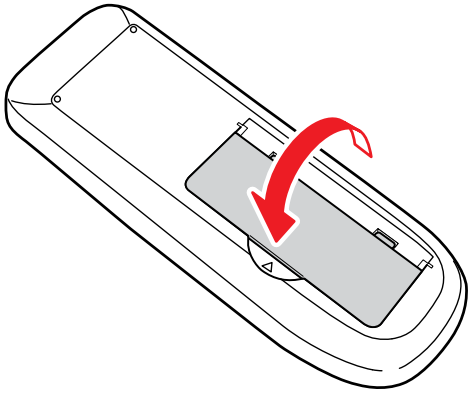
2. Remove the old batteries.

   **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 or ship the projector safely:

- Remove any equipment connected to the projector.
- When transporting the projector a long distance or as checked luggage, pack it in a firm box with cushioning around it and mark the box "Fragile".
- When shipping the projector for repairs, place it in its original packing materials, if possible, or use equivalent materials with cushioning around the projector. Mark the box "Fragile".

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

**Parent topic:** Maintaining and Transporting the Projector

# Solving Problems

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

Projection Problem Tips
Projector Light Status
Using the Projector Help Displays
Solving Image or Sound Problems
Solving Projector or Remote Control Operation Problems
Solutions When Network Alert E-Mails are Not Received
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:

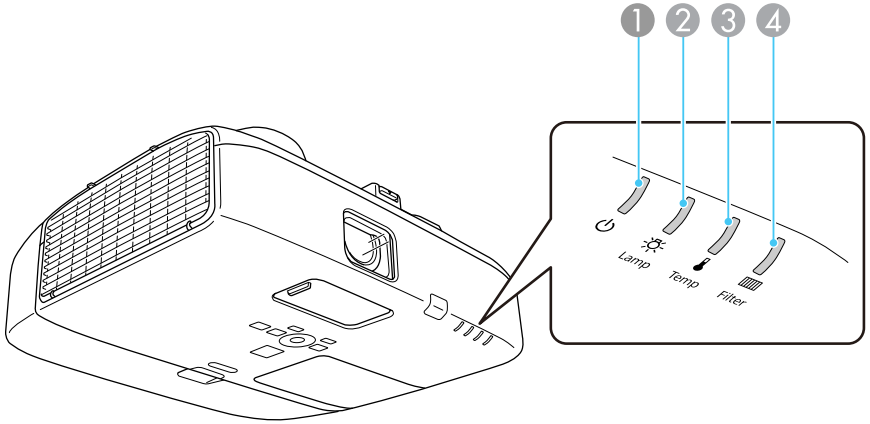
- The lights on the projector's control panel may indicate what the problem is.
- The projector's Help system can display information about common problems, if the projector is operating.
- The solutions in this manual can help you solve many problems.

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 Temperature light
4 Filter light

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

| Power light | Lamp light | Temperature light | Filter light | Status and solution |
|---|---|---|---|---|
| On | Off | Off | Flashing green | It is time to clean the air filter. |
| On | Off | Off | Flashing orange | Low air flow through the projector.<br>• Make sure that the vents and air filter are not clogged with dust or obstructed by nearby objects.<br>• If low air flow continues, replace the air filter.<br>• If the problem persists, unplug the projector and contact Epson for help. |
| On | Off | Off | Orange | No air filter. Check to see if the air filter is securely installed. |
| Red | Off | Off | Red | Low air flow through the air filter.<br>• Make sure that the vents and air filter are not clogged with dust or obstructed by nearby objects.<br>• If low air flow continues, replace the air filter.<br>• If the problem persists, unplug the projector and contact Epson for help. |
| On | Flashing orange | Off | Off | Replace the lamp right away 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. |
| Red | Off | Off | Flashing red | The air flow sensor has a problem. 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**

Replacing the Lamp

Cleaning the Air Filter

Replacing the Air Filter

## 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 projector or 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.

Solutions When No Image Appears

Solutions When "No Signal" Message Appears

Solutions When "Not Supported" Message Appears

Solutions When Only a Partial Image Appears

Solutions When the Image is Not Rectangular

Solutions When the Image Contains Noise or Static
Solutions When the Image is Fuzzy or Blurry
Solutions When the Image Brightness or Colors are Incorrect
Solutions When No Image Appears on an External Monitor
Solutions When There is No Sound or Low Volume

**Parent topic:** Solving Problems

## Solutions When No Image Appears

If no image appears, try the following solutions:

- Press the **A/V Mute** button 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.
- If you unplugged the projector and plugged it right back in, press the power button to turn on the projector (with **Direct Power On** enabled).
- 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 over a network with Windows Media Center, reduce the screen size from full screen mode.
- For images projected over a network with Windows DirectX, turn off DirectX functions.

**Parent topic:** Solving Image or Sound Problems

**Related references**

Projector Setup Settings - Extended Menu
Image Quality Settings - Image Menu
Input Signal Settings - Signal 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** button and wait a few seconds for an image to appear.
- Turn on the connected computer or video source, and press **Play** 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

### 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. (See your computer or Windows manual for instructions.)
4. If necessary, check your video card settings and set the multiple display option to **Clone**.

**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.

1. Open the **System Preferences** utility and select **Displays**.
2. Select **Detect Displays**.

3. Do one of the following:
   - **Mac OS X 10.6.x**: Click **Show displays in menu bar**.
   - **Other Mac OS X versions**: Select the **VGA Display** or **Color LCD** option, click the **Arrange** or **Arrangement** tab, and check the **Mirror Displays** checkbox. (See your laptop manual for details.)

**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.)

**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.
- Try adjusting the image position using the **Position** menu setting.
- Press the **Aspect** button on the remote control to select a different image aspect ratio.
- If you zoomed into or out of the image using the **E-Zoom** buttons, press the **Esc** button to return to a full display.
- Check your computer display settings to disable dual display and set the resolution within the projector's limits. (See your computer manual for details.)
- Check the resolution assigned to your presentation files to see if they are created for a different resolution than you are projecting in. (See your software help for details.)

**Parent topic:** Solving Image or Sound Problems

**Related references**

Input Signal Settings - Signal Menu

Supported Video Display Formats

## Solutions When the Image is Not Rectangular

If the projected image is not evenly rectangular, try the following solutions:

- Place the projector directly in front of the center of the screen, facing it squarely, if possible.
- If you adjusted the projector height using the projector feet, press the keystone buttons on the projector to adjust the image shape.
- Adjust the **Quick Corner** setting to correct the image shape.

**Parent topic:** Solving Image or Sound Problems

**Related references**

Projector Parts - Control Panel

**Related tasks**

Correcting Image Shape With Quick Corner

## Solutions When the Image Contains Noise or Static

If the projected image seems to contain electronic interference (noise) or static, try the following solutions:

- Check the cables connecting your computer or video source to the projector. They should be:
  - Separated from the power cord to prevent interference
  - Securely connected at both ends
  - Not connected to an extension cable
- If you are projecting from a laptop computer, try turning off simultaneous display on the laptop screen to avoid splitting the video signal.
- 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 that is 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** settings.
- If you adjusted the image shape using the projector controls, try decreasing the **Sharpness** setting to improve image quality.
- If you connected an extension cable, try projecting without it to see if it caused interference in the signal.

**Parent topic:** Solving Image or Sound Problems

**Related references**

Input Signal Settings - Signal Menu

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.
- Check the projector lens cover glass for condensation.

  **Note:** To avoid condensation on the lens after bringing the projector in from a cold environment, let the projector warm up to room temperature before using it.

- Position the projector close enough to the screen, and directly in front of it.
- Position the projector so the keystone adjustment angle is not so wide that it distorts the image.
- Adjust the **Sharpness** setting to improve image quality.
- If you are projecting from a computer, press the **Auto** button on the remote control to automatically adjust the tracking and sync. If any bands or overall blurriness remains, display a uniformly patterned image on the screen and manually adjust the **Tracking** and **Sync** settings.

**Parent topic:** Solving Image or Sound Problems

**Related references**

Input Signal Settings - Signal Menu

Image Quality Settings - Image Menu

Projection Distance

**Related tasks**

Focusing the Image Using the Focus Ring

Cleaning the Lens Cover Glass

## 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.
- 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 source on the Signal menu.
- Make sure all the cables are securely connected to the projector and your video device. If you connected long cables, try connecting shorter cables.
- For computers, check the color balance of your computer's display. (See your computer manual for details.)
- If the colors are incorrect from a video source, make sure you selected the correct **Video Signal** setting.
- If you are using the **ECO** Power Consumption setting, try selecting **Normal** in the Settings menu.
- 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 When No Image Appears on an External Monitor

If no image appears on a connected external monitor, try the following solutions:

- Make sure a VGA cable is connected to your computer and the projector's **Computer1** port.
- Make sure your external monitor's cable is connected to the monitor and to the projector's **Monitor Out** port.

**Parent topic:** Solving Image or Sound Problems

**Related tasks**

Connecting to an External Computer Monitor

## Solutions When There is No Sound or Low Volume

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

- Press a **Volume** button on the remote control to adjust the volume.
- Press the **A/V Mute** button to resume video and audio if they were temporarily stopped.
- Press the **Source Search** button to switch to the correct input source, if necessary.
- Check your computer or video source to make sure the volume is turned up and the audio output is set for the correct source.
- Check the audio cable connections between the projector and your video source.
- If you do not hear sound from an HDMI source, set the connected device to PCM output.
- Make sure any connected audio cables are labelled "No Resistance".

**Parent topic:** Solving Image or Sound Problems

# Solving Projector or Remote Control Operation Problems

Check the solutions in these sections if you have problems operating the projector or remote control.

Solutions to Projector Power or Shut-Off Problems
Solutions to 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 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.
- The power cord may be defective. Disconnect the cord and contact Epson.
- If the projector's lamp shuts off unexpectedly, it may have entered sleep mode after a period of inactivity. Begin a presentation to wake the projector.
- 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 Receivers** setting is turned on in the projector's menus.

**Parent topic:** Solving Projector or Remote Control Operation Problems

**Related references**

Projector Light Status

Projector Feature Settings - Settings Menu

**Related tasks**

Unlocking the Projector's Buttons

## 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.
- Check to see if a button on the remote control is stuck down, causing it to enter sleep mode. Release the button to wake the remote control up.
- Strong fluorescent lighting, direct sunlight, or infrared device signals may be interfering with the projector's remote receivers. Dim the lights or move the projector away from the sun or interfering equipment.
- If available, turn off one of the remote receivers in the projector's menu system, or check if all the remote receivers were turned off.
- If you assigned an ID number to the remote control to operate multiple projectors, you may need to check or change the ID setting.
- If you lose the remote control, you can order another one from Epson.

**Parent topic:** Solving Projector or Remote Control Operation Problems

**Related references**

Remote Control Operation

Projector Feature Settings - Settings Menu

Optional Equipment and Replacement Parts

## 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.
- 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

# 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 Problems

**Related concepts**

Wired Network Projection

Wireless Network Projection

**Related references**

Projector Setup Settings - Extended Menu

Projector Network Settings - Network Menu

# 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 www.epson.com/support (U.S.) or www.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 and enter the PIN on the included Epson PrivateLine Support card. This is the fastest way of speaking to a live representative, and it's free. This service is available 6 AM to 6 PM, Pacific Time, Monday through Friday, for the duration of your warranty period.

You may also speak with a projector support specialist by dialing one of these numbers:

- U.S.: (562) 276-4394, 6 AM to 8 PM, Pacific Time, Monday through Friday, and 7 AM to 4 PM, Pacific Time, Saturday
- Canada: (905) 709-3839, 6 AM to 8 PM, Pacific Time, Monday through Friday

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 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 www.epsonstore.com (U.S. sales) or www.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
Projector Lamp Specifications
Remote Control Specifications
Projector Dimension Specifications
Projector Electrical Specifications
Projector Environmental Specifications
Projector Safety and Approvals Specifications
Supported Video Display Formats


## General Projector Specifications

| | |
|---|---|
| **Type of display** | Poly-silicon TFT active matrix |
| **Resolution** | **PowerLite D6150/D6250**:<br>1024 x 768 pixels (XGA)<br>**PowerLite D6155W**:<br>1280 x 800 pixels (WXGA) |
| **Lens** | F=1.51 to 1.99<br>Focal length: 18.2 to 29.2 mm |
| **Color reproduction** | Full color, 16.77 million colors |
| **Brightness** | **PowerLite D6150**:<br>Normal Power Consumption mode:<br>White light output 3500 lumens (ISO 21118 standard)<br>Color light output 3500 lumens<br>ECO Power Consumption mode:<br>White light output 2450 lumens (ISO 21118 standard) |

| | |
|---|---|
| | **PowerLite D6155W**: |
| | Normal Power Consumption mode: |
| | White light output 3500 lumens (ISO 21118 standard) |
| | Color light output 3500 lumens |
| | ECO Power Consumption mode: |
| | White light output 2800 lumens (ISO 21118 standard) |
| | **PowerLite D6250**: |
| | Normal Power Consumption mode: |
| | White light output 4000 lumens (ISO 21118 standard) |
| | Color light output 4000 lumens |
| | ECO Power Consumption mode: |
| | White light output 3200 lumens (ISO 21118 standard) |
| **Contrast ratio** | 2000:1 with Auto Iris **On**, **Dynamic** Color mode, and **Normal** Power Consumption mode |
| **Image size** | **PowerLite D6150/D6250**: |
| | 30 to 300 inches (0.8 to 7.6 m) |
| | **PowerLite D6155W**: |
| | 29 to 280 inches (0.7 to 7.1 m) |
| **Projection distance** | **PowerLite D6150/D6250**: |
| | 2.69 to 45.44 feet (0.82 to 13.85 m) |
| | **PowerLite D6155W**: |
| | 2.76 to 44.95 feet (0.84 to 13.70 m) |
| **Projection methods** | Front, rear, ceiling-mounted |
| **Optical aspect ratio** | **PowerLite D6150/D6250**: |
| (width-to-height) | 4:3 |
| | **PowerLite D6155W**: |
| | 16:10 |
| **Focus adjustment** | Manual |

| | |
|---|---|
| **Zoom adjustment** | Manual |
| **Zoom ratio** | 1:1.6 |
| (Tele-to-Wide) | |
| **Internal sound system** | 5 W monaural |
| **Noise level** | 39 dB (Normal Power Consumption mode) |
| | 33 dB (ECO Power Consumption mode) |
| **Keystone correction angle** | Vertical: ± 30º |
| | Horizontal: ± 30º |
| **USB Type B port compatibility** | USB 1.1 and 2.0 compliant for using remote control as wireless mouse |
| **USB Type A port compatibility** | USB 1.1 and 2.0 compliant port for USB device input or Epson document camera display |

**Parent topic:** Technical Specifications

## Projector Lamp Specifications

| | |
|---|---|
| **Type** | UHE (Ultra High Efficiency) |
| **Power consumption** | **PowerLite D6150**: |
| | 230 W |
| | **PowerLite D6155W/D6250**: |
| | 275 W |

| | |
|---|---|
| **Lamp life** | **PowerLite D6150**:<br>Normal Power Consumption mode:<br>Up to about 4000 hours<br>ECO Power Consumption mode:<br>Up to about 6000 hours<br>**PowerLite D6155W/D6250**:<br>Normal Power Consumption mode:<br>Up to about 3000 hours<br>ECO Power Consumption mode:<br>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** | 19.7 feet (6 m) |
| **Batteries** | Two alkaline or manganese AA |

**Parent topic:** Technical Specifications

## Projector Dimension Specifications

| | |
|---|---|
| **Height** (excluding feet) | 4.49 inches (114 mm) |
| **Width** | 17.72 inches (450 mm) |
| **Depth** | 10.79 inches (274 mm) |

| | |
|---|---|
| **Weight** | **PowerLite D6150**:<br>9.3 lb (4.2 kg)<br>**PowerLite D6155W/D6250**:<br>9.7 lb (4.4 kg) |

**Parent topic:** Technical Specifications

## Projector Electrical Specifications

| | |
|---|---|
| **Rated frequency** | 50/60 Hz |
| **Power supply** | 110 to 240 VAC ±10%<br>**PowerLite D6150**:<br>3.0 to 1.5 A<br>**PowerLite D6155W/D6250**:<br>3.6 to 1.8 A |
| **Power consumption**<br>(110 to 120 V) | Operating:<br>**PowerLite D6150**:<br>Normal Power Consumption mode: 328 W<br>ECO Power Consumption mode: 242 W<br>**PowerLite D6155W/D6250**:<br>Normal Power Consumption mode: 395 W<br>ECO Power Consumption mode: 322 W<br>Standby (all models):<br>0.29 W (Communication Off), 6.0 W (Communication On) |

| | |
|---|---|
| **Power consumption**<br>(220 to 240 V) | Operating:<br>**PowerLite D6150**:<br>Normal Power Consumption mode: 316 W<br>ECO Power Consumption mode: 235 W<br>**PowerLite D6155W/D6250**:<br>Normal Power Consumption mode: 380 W<br>ECO Power Consumption mode: 311 W<br>Standby (all models):<br>0.38 W (Communication Off), 6.5 W (Communication On) |

**Parent topic:** Technical Specifications

## Projector Environmental Specifications

| | |
|---|---|
| **Temperature** | Operating: 32 to 104 ºF (0 to 40 ºC)<br>Storage: 14 to 140 ºF (–10 to 60 ºC) |
| **Humidity** (relative, non-condensing) | Operating: 20 to 80%<br>Storage: 10 to 90% |
| **Operating altitude** | Up to 4921 feet (1500 m)<br>Up to 9843 feet (3000 m) with High Altitude Mode enabled |

**Parent topic:** Technical Specifications

## Projector Safety and Approvals Specifications

| | |
|---|---|
| **United States** | FCC Part 15 Class B (DoC)<br>UL60950-1 |
| **Canada** | ICES-003 Class B<br>CSA C22.2 No. 60950-1 |

**Parent topic:** Technical Specifications

# Supported Video Display Formats

For best results, your computer monitor 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 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 | 1360 × 768 |
| | 60/75/85 | 1280 × 800 |
| SXGA | 70/75/85 | 1152 × 864 |
| | 60/75/85 | 1280 × 960 |
| | 60/75/85 | 1280 × 1024 |
| SXGA+ | 60/75 | 1400 × 1050 |
| WXGA+ | 60/75/85 | 1440 × 900 |
| UXGA | 60 | 1600 × 1200 |
| WSXGA+* | 60 | 1680 × 1050 |
| MAC13" | 67 | 640 × 480 |
| MAC16" | 75 | 832 × 624 |
| MAC19" | 75 | 1024 × 768 |
| | 59 | 1024 × 768 |
| MAC21" | 75 | 1152 × 870 |
| **Composite video** | | |

| Display format | Refresh rate (in Hz) | Resolution (in pixels) |
|---|---|---|
| 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 |
| **HDMI input signals** | | |
| VGA | 60 | 640 × 480 |
| SVGA | 60 | 800 × 600 |
| XGA | 60 | 1024 × 768 |
| WXGA | 60 | 1280 × 800 |
| SXGA | 60 | 1280 × 960 |
| | 60 | 1280 × 1024 |
| SXGA+ | 60 | 1400 × 1050 |
| UXGA | 60 | 1600 × 1200 |
| SDTV (480i/480p) | 60 | 720 × 480 |
| SDTV (576i/576p) | 50 | 720 × 576 |
| HDTV (720p) | 50/60 | 1280 × 720 |
| HDTV (1080i) | 50/60 | 1920 × 1080 |
| HDTV (1080p) | 24/30/50/60 | 1920 × 1080 |

** Available only with PowerLite D6155W when using the **Wide** option as the **Resolution** setting

**Parent topic:** Technical Specifications

# Notices

Check these sections for important notices about your projector.

Important Safety Information
Important Safety Instructions
FCC Compliance Statement
Trademarks
Software Copyright
Copyright Notice

## Important Safety Information

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

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

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

**Parent topic:** Notices

## Important Safety Instructions

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

- Do not look into the lens when the projector is on. The bright light can damage your eyes.
- Do not place the projector on an unstable cart, stand, or table.
- Do not operate the projector on its side, or while tilted to one side. Do not tilt the projector more than 30° forward or back.

- If the projector is mounted on a ceiling, it should be installed by qualified technicians using mounting hardware designed for use with this projector.
- When installing or adjusting a ceiling 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 or sources of heat.
- 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 an outlet with dust present. 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. Failure to comply with these precautions could result in fire or electric shock.
- Do not overload wall outlets, extension cords, or power strips. Do not insert the plug into a dusty outlet. This can cause 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.
- 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, which could block vents underneath the projector. 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 push objects of any kind through the cabinet slots. Never spill liquid of any kind into the projector.
- If you are using two or more projectors side-by-side, leave at least 2 feet (60 cm) of space between the projectors to allow for proper ventilation.
- You may need to clean the air filter and vent. A clogged air filter or vent can block ventilation needed to cool the projector.
- Do not 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 the projector where it may be exposed to excessive dust, smoke, or corrosive gases.
- 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 104 ºF (0 to 40 ºC). Doing so may cause an unstable display and could lead to projector damage.
- Do not store the projector outside of the required temperature range of 14 to 140 ºF (–10 to 60 ºC) 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.
- 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 when you open the lamp cover.

**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.)

**Parent topic:** Notices

# FCC Compliance Statement

### For United States Users

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio or television reception. 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**

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The list of GPL Programs

busybox-1.13.4

**iptables-1.4.4**

**libgcc1(gcc-4.3.3)**

**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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L. Peter Deutsch ghost@aladdin.com

Independent implementation of MD5 (RFC 1321).

This code implements the MD5 Algorithm defined in RFC 1321, whose text is available at

http://www.ietf.org/rfc/rfc1321.txt

The code is derived from the text of the RFC, including the test suite (section A.5) but excluding the rest of Appendix A. It does not include any code or documentation that is identified in the RFC as being copyrighted.

The original and principal author of md5.h is L. Peter Deutsch <ghost@aladdin.com>. Other authors are noted in the change history that follows (in reverse chronological order):

2002-04-13 lpd Removed support for non- ANSI compilers; removed

references to Ghostscript; clarified derivation from RFC 1321; now handles byte order either statically or dynamically.

1999-11-04 lpd Edited comments slightly for automatic TOC extraction.

1999-10-18 lpd Fixed typo in header comment (ansi2knr rather than md5);

added conditionalization for C++ compilation from Martin Purschke <purschke@bnl.gov>.

1999-05-03 lpd Original version.

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