Contents

Pro L20000UNL/L20002UNL User's Guide .......................................................................................................................... 11
Introduction to Your Projector ...................................................................................................................................... 12
Projector Features......................................................................................................................................................... 12
Additional Components ........................................................................................................................................... 13
Additional Projector Software and Manuals .................................................................................................................. 14
Optional Equipment and Replacement Parts ............................................................................................................... 15
Warranty and Registration Information ......................................................................................................................... 16
Notations Used in the Documentation ......................................................................................................................... 17
Where to Go for Additional Information ...................................................................................................................... 17
Projector Part Locations ............................................................................................................................................. 17
Projector Parts - Front/Top .......................................................................................................................................... 18
Projector Parts - Side/Rear ......................................................................................................................................... 19
Projector Parts - Base .................................................................................................................................................. 20
Projector Parts - Interface Ports ................................................................................................................................. 21
Projector Parts - Control Panel ................................................................................................................................. 22
Projector Parts - Remote Control .............................................................................................................................. 24
Setting Up the Projector ............................................................................................................................................. 27
Projector Placement ....................................................................................................................................................... 27
Projector Setup and Installation Options .................................................................................................................... 29
Installing the Projector in a Mount ............................................................................................................................... 30
Protecting the Built-in Camera ................................................................................................................................... 32
Projection Distance ....................................................................................................................................................... 32
Projector Connections ................................................................................................................................................. 33
Connecting to Video Sources .................................................................................................................................... 34
Connecting to an HDMI Video Source .......................................................................................................................... 34
Connecting to a Component-to-BNC Video Source ..................................................................................................... 35
Connecting to a Component Video Source .................................................................................................................. 35
Connecting to an SDI Video Source .............................................................................................................................. 36
Connecting to Computer Sources .............................................................................................................................. 37
Connecting to a Computer for VGA Video ................................................................................................................... 37
<table>
<thead>
<tr>
<th>Topic</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Registering a Digital Certificate on the Projector</td>
<td>92</td>
</tr>
<tr>
<td>Importing a Web Server Certificate Using the Projector Menus</td>
<td>92</td>
</tr>
<tr>
<td>Registering Digital Certificates from a Web Browser</td>
<td>94</td>
</tr>
<tr>
<td>Digital Certificate Types</td>
<td>95</td>
</tr>
<tr>
<td>Using Basic Projector Features</td>
<td>97</td>
</tr>
<tr>
<td>Turning On the Projector</td>
<td>97</td>
</tr>
<tr>
<td>Turning Off the Projector</td>
<td>99</td>
</tr>
<tr>
<td>Selecting the Language for the Projector Menus</td>
<td>101</td>
</tr>
<tr>
<td>Adjusting the Image Height</td>
<td>102</td>
</tr>
<tr>
<td>Resizing the Image with the Zoom Button</td>
<td>103</td>
</tr>
<tr>
<td>Focusing the Image Using the Focus and Distortion Buttons</td>
<td>103</td>
</tr>
<tr>
<td>Setting the Screen Type</td>
<td>105</td>
</tr>
<tr>
<td>Adjusting the Image Position Using Lens Shift</td>
<td>106</td>
</tr>
<tr>
<td>Adjusting the Image Position Using Screen Position</td>
<td>109</td>
</tr>
<tr>
<td>Displaying a Test Pattern</td>
<td>109</td>
</tr>
<tr>
<td>Image Shape</td>
<td>110</td>
</tr>
<tr>
<td>Correcting Image Shape with H/V Keystone</td>
<td>110</td>
</tr>
<tr>
<td>Correcting Image Shape with Quick Corner</td>
<td>112</td>
</tr>
<tr>
<td>Correcting Image Shape with Curved Surface</td>
<td>114</td>
</tr>
<tr>
<td>Correcting Image Shape with Corner Wall</td>
<td>119</td>
</tr>
<tr>
<td>Correcting Image Shape with Point Correction</td>
<td>122</td>
</tr>
<tr>
<td>Selecting an Image Source</td>
<td>124</td>
</tr>
<tr>
<td>Remote Control Operation</td>
<td>126</td>
</tr>
<tr>
<td>Projection Modes</td>
<td>127</td>
</tr>
<tr>
<td>Changing the Projection Mode Using the Remote Control</td>
<td>127</td>
</tr>
<tr>
<td>Changing the Projection Mode Using the Menus</td>
<td>128</td>
</tr>
<tr>
<td>Image Aspect Ratio</td>
<td>129</td>
</tr>
<tr>
<td>Changing the Image Aspect Ratio</td>
<td>129</td>
</tr>
<tr>
<td>Available Image Aspect Ratios</td>
<td>130</td>
</tr>
<tr>
<td>Color Mode</td>
<td>131</td>
</tr>
<tr>
<td>Changing the Color Mode</td>
<td>131</td>
</tr>
<tr>
<td>Available Color Modes</td>
<td>132</td>
</tr>
<tr>
<td>Adjusting the Brightness</td>
<td>132</td>
</tr>
</tbody>
</table>
Constant Brightness Usage Hours .................................................................................................................. 134
Adjusting Luminance Controls .................................................................................................................... 136
Adjusting Gamma .......................................................................................................................................... 138
Setting the Date and Time ........................................................................................................................... 140
Date and Time Settings .................................................................................................................................. 141

**Adjusting Projector Features** .................................................................................................................. 142
Shutting Off the Picture Temporarily ........................................................................................................... 142
Stopping Video Action Temporarily ............................................................................................................. 143
Projector Security Features .......................................................................................................................... 144
Password Security Types .................................................................................................................................. 144
  Setting a Password ........................................................................................................................................ 145
  Selecting Password Security Types .............................................................................................................. 146
  Entering a Password to Use the Projector .................................................................................................. 147
  Saving a User's Logo Image to Display ..................................................................................................... 148
Locking the Projector's Lens Settings and Buttons ........................................................................................ 150
  Unlocking the Projector's Buttons ............................................................................................................... 152
  Locking the Remote Control Buttons ....................................................................................................... 152
  Installing a Security Cable ......................................................................................................................... 154
Projecting Two Images Simultaneously ......................................................................................................... 154
  Input Sources for Split Screen Projection ................................................................................................ 156
Using Advanced Image Adjustment Features .................................................................................................. 156
  Using Frame Interpolation .......................................................................................................................... 157
  Creating Image Presets ............................................................................................................................. 159
  Using MPEG Noise Reduction ................................................................................................................. 160
  Adjusting Scaled Resolution Images (Super-resolution) ............................................................................ 161
  Adjusting Detail Enhancement ................................................................................................................... 162
  Adjusting the Color Convergence (Panel Alignment) ................................................................................... 163
  Adjusting the Color Tone (Color Uniformity) ............................................................................................. 165
  Running Light Source Calibration ............................................................................................................ 167
Using Multiple Projectors ............................................................................................................................... 169
  Multiple Projector Adjustment Overview .................................................................................................. 169
Projector Identification System for Multiple Projector Control .................................................................. 171
  Setting the Projector ID ............................................................................................................................ 171
Cleaning the Projector Case ................................................................. 234
Air Filter and Vent Maintenance .......................................................... 234
  Cleaning the Air Filters and Air Intake Vents ..................................... 235
  Replacing the Air Filters ................................................................. 239
  Replacing the Remote Control Batteries ......................................... 242
Transporting the Projector ................................................................. 244

Solving Problems .................................................................................. 247
Projection Problem Tips ................................................................. 247
Projector Light Status ........................................................................ 248
Viewing Projector Status Information ............................................. 253
  Projector Status Display Messages ............................................... 255
Using the Projector Help Displays ...................................................... 260
Solving Image Problems ..................................................................... 261
  Solutions When No Image Appears .............................................. 261
  Solutions When "No Signal" Message Appears .............................. 262
    Displaying From a PC Laptop ...................................................... 263
    Displaying From a Mac Laptop ................................................... 264
  Solutions When "Not Supported" Message Appears .................... 264
  Solutions When Only a Partial Image Appears .............................. 264
  Solutions When the Image is Not Rectangular .............................. 265
  Solutions When the Image Contains Noise or Static .................... 266
  Solutions When the Image is Fuzzy or Blurry ............................... 266
  Solutions When the Image Brightness or Colors are Incorrect .......... 267
  Solutions When Automatic Adjustments are not Applied Correctly  ...................................................................................... 268
Solving Projector or Remote Control Operation Problems ............. 269
  Solutions to Projector Power or Shut-Off Problems ...................... 269
  Solutions to Remote Control Problems ....................................... 270
  Solutions to Password Problems ................................................. 271
Solving Network Problems ............................................................... 272
  Solutions When Wireless Authentication Fails ............................. 272
  Solutions When You Cannot Access the Projector Through the Web ...................................................... 273
  Solutions When the Image Contains Static During Network Projection ...................................................................................... 274
  Solutions When Network Alert E-Mails are Not Received ............ 274
Welcome to the Pro L20000UNL/L20002UNL User's Guide.
For a printable PDF copy of this guide, click here.
Introduction to Your Projector

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

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

Projector Features

The Pro L20000UNL and Pro L20002UNL projectors include these special features:

**Bright, high-resolution projection system**

- Up to 20000 lumens of brightness (white light output and color light output)

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

- Native resolution of 1920 × 1200 pixels (WUXGA)

**Flexible connectivity**

- Wired and wireless network support for projection, monitoring, and control via remote network computer
- Variety of connection methods for a computer or video device including HDMI, BNC, DVI-D, SDI, and HDBaseT
- Ports for connecting an external monitor

**Easy-to-use setup and operation features**

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

Additional Components
Additional Projector Software and Manuals
Optional Equipment and Replacement Parts
Warranty and Registration Information

Parent topic: Introduction to Your Projector

Related concepts
Projector Part Locations
Projector Connections
Using Multiple Projectors
Using Crestron Connected

Related topics
Using the Projector on a Network

Additional Components

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

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

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

<table>
<thead>
<tr>
<th>Signal or connection type</th>
<th>Additional component necessary</th>
</tr>
</thead>
<tbody>
<tr>
<td>Component video</td>
<td>Component-to-BNC or D-sub, 15-pin, component-to-VGA video cable or adapter Available for purchase from Epson or an authorized Epson reseller.</td>
</tr>
<tr>
<td>Signal or connection type</td>
<td>Additional component necessary</td>
</tr>
<tr>
<td>--------------------------</td>
<td>-------------------------------</td>
</tr>
<tr>
<td>HDMI</td>
<td>HDMI cable</td>
</tr>
<tr>
<td></td>
<td>Available for purchase from Epson or an authorized Epson reseller.</td>
</tr>
<tr>
<td></td>
<td>You also need a splitter that supports HDMI signals (commercially available).</td>
</tr>
<tr>
<td>VGA</td>
<td>VGA computer cable</td>
</tr>
<tr>
<td></td>
<td>Available for purchase from Epson or an authorized Epson reseller.</td>
</tr>
<tr>
<td></td>
<td>If you want to connect the projector using a splitter, you also need a splitter that supports VGA signals (commercially available) and a second VGA computer cable.</td>
</tr>
<tr>
<td>BNC</td>
<td>VGA-to-5-BNC cable or adapter</td>
</tr>
<tr>
<td></td>
<td>Available for purchase from Epson or an authorized Epson reseller.</td>
</tr>
<tr>
<td>DVI-D</td>
<td>Compatible DVI-D cable</td>
</tr>
<tr>
<td>HDBaseT</td>
<td>Compatible 100Base-TX LAN cable</td>
</tr>
<tr>
<td>SDI</td>
<td>Compatible BNC video cable</td>
</tr>
<tr>
<td>DisplayPort</td>
<td>Compatible DisplayPort cable (with optional DisplayPort interface board installed)</td>
</tr>
</tbody>
</table>

**Parent topic:** Projector Features

**Related concepts**

Projector Connections

**Related references**

Optional Equipment and Replacement Parts

### Additional Projector Software and Manuals

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

You can install the projector software programs listed here and view their manuals for instructions on using them.
**Note:** If you still need help after checking this manual and the sources listed here, you can use the Epson PrivateLine Support service to get help fast. For details, see "Where to Get Help."

<table>
<thead>
<tr>
<th>Projector software</th>
<th>Manual</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Epson Projector Management (Windows only)</td>
<td>Epson Projector Management Operation Guide</td>
<td>Lets you monitor and control your projector through the network. You can download the latest software and documentation from the Epson web site. Go to epson.com/support (U.S.) or epson.ca/support (Canada) and select your projector.</td>
</tr>
<tr>
<td>Epson iProjection (Windows/Mac)</td>
<td>Epson iProjection Operation Guide (Windows/Mac)</td>
<td>Lets you project the computer screens of users over a network. You can download the latest software and documentation from the Epson web site. Go to epson.com/support (U.S.) or epson.ca/support (Canada) and select your projector.</td>
</tr>
<tr>
<td>Epson Projector Professional Tool (Windows only)</td>
<td>Epson Projector Professional Tool Operation Guide</td>
<td>Lets you manage multiple Epson projectors simultaneously. You can download the latest software and documentation from the Epson web site. Go to epson.com/support (U.S.) or epson.ca/support (Canada) and select your projector.</td>
</tr>
<tr>
<td>—</td>
<td>Open Source Software License</td>
<td>You can download this document from the Epson web site. Go to epson.com/support (U.S.) or epson.ca/support (Canada) and select your projector.</td>
</tr>
</tbody>
</table>

**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) in the U.S. or 800-807-7766 in Canada. Or you can purchase online at epsonstore.com (U.S. sales) or epsonstore.ca (Canadian sales).

Epson offers the following optional accessories and replacement parts for your projector:
<table>
<thead>
<tr>
<th>Option or part</th>
<th>Part number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Air filter (ELPAF58)</td>
<td>V13H134A58</td>
</tr>
<tr>
<td>HDBaseT Transmitter (ELPHD01)</td>
<td>V12H547020</td>
</tr>
<tr>
<td>HDMI/DVI-D interface board (ELPIF01)</td>
<td>V12H917F01</td>
</tr>
<tr>
<td>DisplayPort interface board (ELPIF03)</td>
<td>V12H916F01</td>
</tr>
<tr>
<td>Remote control cable set (ELPKC28)</td>
<td>V12H005C28</td>
</tr>
<tr>
<td>Ultra short-throw lens (ELPLX02)</td>
<td>V12H004X02</td>
</tr>
<tr>
<td>White ultra short-throw lens (ELPLX02W)</td>
<td>V12H004Y02</td>
</tr>
<tr>
<td>Short-throw zoom lens (ELPLU04)</td>
<td>V12H004U04</td>
</tr>
<tr>
<td>Wide-throw zoom lens (ELPLW06)</td>
<td>V12H004W06</td>
</tr>
<tr>
<td>Wide-throw zoom lens (ELPLW08)</td>
<td>V12H004W08</td>
</tr>
<tr>
<td>Middle-throw zoom lens (ELPLM15)</td>
<td>V12H004M0F</td>
</tr>
<tr>
<td>Middle-throw zoom lens (ELPLM10)</td>
<td>V12H004M0A</td>
</tr>
<tr>
<td>Middle-throw zoom lens (ELPLM11)</td>
<td>V12H004M0B</td>
</tr>
<tr>
<td>Long throw zoom lens (ELPLL08)</td>
<td>V12H004L08</td>
</tr>
<tr>
<td>Epson Stacking and Rigging Frame (ELPMB57)</td>
<td>V12H989A01</td>
</tr>
</tbody>
</table>

Parent topic: Projector Features

**Warranty and Registration Information**

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

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

**Note:** Availability varies by region.

Register your product online at this site: epson.com/webreg.
Registering also lets you receive special updates on new accessories, products, and services.

Parent topic: Projector Features
Notations Used in the Documentation

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

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

Parent topic: Introduction to Your Projector

Where to Go for Additional Information

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

• epson.com/support (U.S.), epson.ca/support (Canada), or epson.com.jm/support (Caribbean)
  View FAQs (frequently asked questions) and e-mail your questions to Epson technical support 24 hours a day.
• If you still need help after checking this manual and any other sources listed here, you can use the Epson PrivateLine Support service to get help fast. For details, see "Where to Get Help."

Parent topic: Introduction to Your Projector

Related references
Where to Get Help
Related topics
Solving Problems

Projector Part Locations

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

Projector Parts - Front/Top
Projector Parts - Side/Rear
Projector Parts - Base
Projector Parts - Interface Ports
Projector Parts - Control Panel
Projector Parts - Remote Control

Parent topic: Introduction to Your Projector
Projector Parts - Front/Top

1. Cap for lens cover
2. Built-in camera
3. Projection lens
4. Lens cover
5. Air filter covers
6. Remote receivers
7. Status lights
8. Replacement lens cover (for certain lenses)
9. Holes for optional mounting

Parent topic: Projector Part Locations
Related topics
Attaching and Removing a Lens
Projector Parts - Side/Rear

1. Remote receiver
2. Exhaust vent
3. Air intake vent
4. Control panel
5. Power switch
6. AC inlet
7. Power cord holder
8. Built-in camera protection plate
9. Kensington security slot
10. Interface ports

Parent topic: Projector Part Locations

Related tasks
Installing the Projector in a Mount
Projector Parts - Base

1 Projector feet
2 Ceiling mounting holes
3 Drop-prevention wire installation points
4 Air intake vent
5 Transportation eye bolt holes

Parent topic: Projector Part Locations
Related tasks
Installing a Security Cable
Transporting the Projector

Projector Parts - Interface Ports

1. Slot 1 for installing an interface board (HDMI/DVI-D interface board described below)
2. Slot 2 for installing an optional DisplayPort interface board (described below)
3. HDBaseT port
4. Network LAN port
5. Computer In port
6. Computer/BNC Out port
7. BNC In ports
8. Cable clip slot
9. RS-232C port
10. Remote port
11. SDI Out port
12. SDI In port
13 Service port
14 USB-A port

HDMI/DVI-D Interface Board

1 DVI-D In port
2 HDMI In port
3 DC Out port

Optional DisplayPort Interface Board

1 DisplayPort In1 port
2 DisplayPort In2 port

Caution: Do not attempt to install or remove your projector’s interface board. Static electricity or other interference may damage the projector or cause it to malfunction. Contact Epson to have an interface board installed or removed.

Parent topic: Projector Part Locations
Related references
Optional Equipment and Replacement Parts
1. **On** button (turns on the projector)
2. **Standby** button (turns off the projector)
3. **Sync.** lights (indicate the selected image source)
4. **Sync.** buttons (select an image source)
5. **Auto** button (automatically adjusts computer images)
6. **Test Pattern** button (displays a test pattern)
7. **Lens Shift** button (adjusts the image position)
8. **Calibration** button (starts lens calibration)
9. **Zoom** button (changes the image size)
10. **Focus** button (adjusts the image focus)
11. **Distortion** button (corrects image distortion)
12. **Geometry** button (adjusts the image shape)
13 **Shutter** button (turns input signal on or off temporarily)
14 **Enter** button (selects options)
15 Arrow buttons (move through on-screen options; adjust the focus, zoom, and lens shift)
16 **Lock** button (displays the Control Panel Lock screen)
17 **Light** button (lights up the control panel buttons and LCD screen temporarily)
18 **Esc** button (cancels/exits functions)
19 Arrow buttons (select LCD screen settings)
20 **LCD screen** (select LCD screen settings)
21 **Menu** button (accesses projector menu system)

Parent topic: Projector Part Locations

---

**Projector Parts - Remote Control**

![Remote Control Diagram]
1. **On** button (turns on the projector)
2. **Standby** button (turns off the projector)
3. Source buttons (select an image source)
4. **User1, User2, and User3** buttons (open menu assigned by user)
5. **Aspect** button (selects the image aspect ratio)
6. **Auto** button (automatically adjusts computer images)
7. **Freeze** button (stops video action)
8. **Default** button (resets settings to their default values in the projector menu system)
9. **Menu** button (accesses projector menu system)
10. Arrow buttons (move through on-screen options and move pointer)
11. Enter button (selects options)
12. **On-Screen** button (displays or hides the on-screen menus or messages)
13. **Zoom** button (changes the image size)
14. **Focus** button (adjusts the image focus)
15. **Lens Shift** button (adjusts the image position)
16. Page up and down buttons (scroll through image files when projecting from a computer over a network connection, or change the displayed test pattern)
17. Numeric buttons (enter numbers)
18. **ID** button (hold down and use numeric keys to select projector to control)
19. **ID** switch (selects control of one or all projectors from the remote control)
20. Remote port (connects to a remote control cable)
21. **i** button (displays the Info menu)
22. **Num** button (hold down and use numeric keys to enter numbers)
23. **Test Pattern** button (displays a test pattern)
24. **Geometry** button (corrects image shape)
25. **Calibration** button (starts lens calibration)
26. **Distortion** button (corrects image distortion)
27. **Shutter** button (turns signal on or off temporarily)
28 *Esc* button (cancels/exits functions and moves to previous menu levels)

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

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

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

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

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

34 Remote control signal emitter (emits remote control signals)

**Parent topic:** Projector Part Locations
Setting Up the Projector

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

- Projector Placement
- Projector Connections
- Attaching and Removing a Lens
- Installing Batteries in the Remote Control

Projector Placement

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

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

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

- Place the projector on a sturdy, level surface or install it using a compatible mount.
- Install the projector at any angle. There is no vertical or horizontal limit to how the projector can be installed.
- Leave plenty of space around and under the projector for ventilation as described here, and do not place it on top of or next to anything that could block the vents.
- Place the projector parallel to the screen.
- Position the projector within reach of a grounded electrical outlet or extension cord.
**Caution:** Be sure to leave the following amount of space around the projector to avoid blocking the air exhaust and intake vents.

1. 7.87 inches (20 cm)
2. 19.7 inches (50 cm)

**Caution:** If you are setting up the projector with the intake vent facing down or placing the projector in a mount, be sure to leave the following amount of space around the projector.

1. 3.9 inches (10 cm)
2. 7.87 inches (20 cm)

**Note:** When setting up multiple projectors, leave the following amount of space between the projectors.

1. 19.7 inches (50 cm)
If you are stacking multiple projectors, follow these guidelines:

- Do not stack more than two projectors.
- Tilt the projectors only within the extendable range of the feet.
- Make sure all of the projector's feet sit firmly on the projector below.

**Projector Setup and Installation Options**

- Installing the Projector in a Mount
- Protecting the Built-in Camera
- Projection Distance

**Parent topic:** Setting Up the Projector

**Projector Setup and Installation Options**

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

**Front**

![Diagram of front projection setup]

**Rear**

![Diagram of rear projection setup]
If you project from the ceiling or from the rear, select the correct **Projection** setting and, if necessary, adjust the **OSD Rotation** setting.

**Parent topic:** [Projector Placement](#)

**Related references**
- [Projector Setup Settings - Extended Menu](#)

**Installing the Projector in a Mount**

When installing the projector in an optional mount, follow these guidelines:
• When using a ceiling or portrait mount, use commercially available M6 screws (up to a depth of 1.06 inches [27 mm]) to attach the mount to the projector at these four points:

![Diagram of ceiling mount attachment points]

• When using a clamp to attach the projector to an aluminum truss, use commercially available M6 screws (up to a depth of 1.06 inches [27 mm]) to attach the clamp to at least four points on the projector. You can use any of these points on the projector to accommodate the distance between the screw holes and the center of the aluminum truss pipe.

![Diagram of clamp attachment points]

**Caution:** Make sure to attach a commercially available drop-prevention wire that supports weights of at least 220 lb (100 kg) to secure the projector to the mount to prevent it from falling. Make sure there is no slack in the wire and that it is securely attached to the two connection points on the bottom of the projector.
Protecting the Built-in Camera

If you use the projector near other devices that emit laser beams, install the protective plate over the built-in camera to protect it from interference.

Remove the protective plate from its storage area on the side of the projector and place it over the built-in camera on the front of the projector. When you finish, remove the protective plate from the camera and return it to its storage area.

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 installed lens and the size of the projected image. (Conversion figures may have been rounded up or down.)
You can also use the projector Throw Distance Calculator at epson.com/support (U.S.) or epson.ca/support (Canada).

<table>
<thead>
<tr>
<th>Number</th>
<th>Lens</th>
<th>Screen size</th>
<th>Projection distance</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>ELPLX02</td>
<td>100 to 1000 inches (254 to 2540 cm)</td>
<td>29.1 to 302.8 inches (74 to 769 cm)</td>
</tr>
<tr>
<td></td>
<td>ELPLX02W</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>ELPLU04</td>
<td>60 to 1000 inches (152.4 to 2540 cm)</td>
<td>31.5 to 670.0 inches (80 to 1702 cm)</td>
</tr>
<tr>
<td>3</td>
<td>ELPLW08</td>
<td></td>
<td>42.9 to 1039.0 inches (109 to 2639 cm)</td>
</tr>
<tr>
<td>4</td>
<td>ELPLW06</td>
<td></td>
<td>58.7 to 1395.3 inches (149 to 3544 cm)</td>
</tr>
<tr>
<td>5</td>
<td>ELPLM15</td>
<td></td>
<td>78.3 to 2190.2 inches (199 to 5563 cm)</td>
</tr>
<tr>
<td>6</td>
<td>ELPLM10</td>
<td></td>
<td>120.5 to 3183.5 inches (306 to 8086 cm)</td>
</tr>
<tr>
<td>7</td>
<td>ELPLM11</td>
<td></td>
<td>175.2 to 4648.4 inches (445 to 11807 cm)</td>
</tr>
<tr>
<td>8</td>
<td>ELPLL08</td>
<td></td>
<td>261.4 to 6367.7 inches (664 to 16174 cm)</td>
</tr>
</tbody>
</table>

**Note:** If the screen is larger than 500 inches (1270 cm), fine text and images may not display clearly.

**Parent topic:** Projector Placement

**Related references**

- Optional Equipment and Replacement Parts

---

**Projector Connections**

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

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

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

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

Parent topic: Projector Connections

Connecting to an HDMI Video Source

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

1. Connect the HDMI cable to your video source's HDMI output port.
2. Connect the other end to the projector's HDMI In port on the HDMI/DVI-D board in slot 1. If you are connecting an optical HDMI cable, you must also connect the cable's USB power connector to the DC Out port on the board.
**Note:** Depending on the length and performance quality of the HDMI cable, images may not display correctly. For best results, use a cable that conforms to the HDMI standard.

**Parent topic:** Connecting to Video Sources

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

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

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

2. Connect the BNC connectors to the projector's \( R/Cr/Pr, G/Y, B/Cb/Pb \) ports.

### Connecting to a Component Video Source

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

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

3. Tighten the screws on the VGA connector.

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

   **Parent topic:** Connecting to Video Sources

   **Related references**

   - Input Signal Settings - Signal Menu
   - Connecting to an SDI Video Source

   **Connecting to an SDI Video Source**

   If your video source has an SDI port, you can connect it to the projector using an optional BNC video cable.

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

   **Note:** Select the signal for the **SDI In** port in the **SDI Settings** in the Extended menu.

   **Parent topic:** Connecting to Video Sources
Connecting to Computer Sources

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

Connecting to a Computer for VGA Video
Connecting to a Computer for HDMI Video
Connecting to a Computer for DVI-D Video
Connecting to a Computer for 5 BNC Video
Connecting to a Computer for DisplayPort Video

Parent topic: Projector Connections

Connecting to a Computer for VGA Video

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

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

1. If necessary, disconnect your computer's monitor cable.
2. Connect the VGA computer cable to your computer's monitor port.
3. Connect the other end to the Computer In port on the projector.
4. Tighten the screws on the VGA connector.
Connecting to a Computer for HDMI Video

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

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

1. Connect the HDMI cable to your computer's HDMI output port.
2. Connect the other end to the projector's HDMI In port on the HDMI/DVI-D board in slot 1. If you are connecting an optical HDMI cable, you must also connect the cable's USB power connector to the DC Out port on the board.

**Note:** Depending on the length and performance quality of the HDMI cable, images may not display correctly. For best results, use a cable that conforms to the HDMI standard.

Connecting to a Computer for DVI-D Video

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

1. Connect the DVI-D cable to your computer's DVI-D connector.
2. Connect the other end to the projector's **DVI-D In** port on the HDMI/DVI-D interface board in slot 1.

Parent topic: Connecting to Computer Sources

Connecting to a Computer for 5 BNC Video

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

1. Connect the VGA connector to your computer's monitor port.
2. Connect the 5 BNC connectors to the projector's **BNC In** ports.

Parent topic: Connecting to Computer Sources

Connecting to a Computer for DisplayPort Video

If your computer has a DisplayPort connector, you can connect it to the projector using an optional DisplayPort cable. You must have installed the optional DisplayPort interface board in slot 2 to provide a DisplayPort connection.

1. Connect the DisplayPort cable to your computer's DisplayPort connector.
2. Connect the other end to the projector's **DisplayPort In** port on the optional DisplayPort interface board in slot 2.

Parent topic: Connecting to Computer Sources

Related references

Optional Equipment and Replacement Parts

Connecting to an HDBaseT Transmitter

To send an HDMI or RS-232C signal over a long distance, you can connect the projector to an optional HDBaseT transmitter using a 100Base-TX network cable. This is useful when you want to send a signal to or control the projector from a remote location, such as in a hall or event site, since you can use a network cable up to 328 feet (100 m) in length. To ensure proper data transmission, use a Category 6 STP cable or better.

1. Turn off the projector and HDBaseT transmitter.

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

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

**Note:** To enable communication from the Ethernet and serial ports on the transmitter, select **On** as the **Control Communications** setting in the projector’s Extended menu. Turning on this setting disables the projector’s **LAN**, **RS-232C**, and **Remote** ports. If you connected an Extron XTP transmitter or switcher to the projector’s **HDBaseT** port, select **On** as the **Extron XTP** setting in the projector’s Extended menu.

**Parent topic:** Projector Connections

**Related references**

Projector Setup Settings - Extended Menu

**Connecting to an External Computer Monitor**

If you connected a computer to the projector’s **Computer In** or **BNC In** ports, or a video source to the projector’s **SDI In** 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.

1. Make sure your computer or video source is connected to the projector’s **Computer In**, **BNC In**, or **SDI In** port.
2. Connect the external monitor’s cable to your projector’s **Computer/BNC Out** (for computer or BNC sources) or **SDI Out** (for SDI sources) port.

**Parent topic:** Projector Connections

## Attaching and Removing a Lens

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

- **Attaching a Lens**
- **Removing a Lens**

**Parent topic:** Setting Up the Projector

### Attaching a Lens

You can attach a compatible lens to the projector.

**Warning:** Turn off the projector and unplug its power cord before attaching or removing a lens; otherwise you could receive an electric shock.
1. Turn off the projector and unplug the power cord.

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

2. Use your hand to loosen the screw securing the lens cover to the projector.

3. Press the buttons on the sides of the lens cover and pull the lens cover off the projector.

4. If you are attaching the ELPLX02 or ELPLX02W lens, loosen the screws securing the lens replacement cover on top of the projector and slide the cover off as shown.
5. If the lens lock lever is in the **Lock** position, release the lock lever. Pull the black lever up (1), pinch the metal tab against the lever, move it toward the **Release** position until it stops (2), and then push the black lever in as shown (3).

6. If the lens has a cap covering its narrower end, remove the cap and store it for use if you remove the lens later.
7. Position the lens so the white circle is on top and insert the lens straight into the projector's lens socket.

8. Hold the lens firmly as you lock the lens in place. Pull the black lever up (1), pinch the metal tab against the lever, move it toward the Lock position until it stops (2), and then push the black lever in as shown (3).
9. Replace the lens cover as shown.

10. Tighten the screw to secure the lens cover to the projector.

11. Do one of the following:
   • If you attach a lens that is different from the previous lens, you see a message to calibrate the lens the next time you turn on the projector. Select Yes to calibrate the lens.
   • If you remove and attach the same lens, press and hold the Default button on the remote control for at least 3 seconds or select Lens Calibration in the Extended menu to calibrate the lens.

   Lens calibration takes up to 3 minutes to complete. When calibration is finished, the lens returns to its previous position.

   **Caution:** If you see a message that lens calibration failed, turn off the projector, unplug the power cord, remove the lens, and reinstall it. If you continue to see an error message, contact Epson.
Removing a Lens

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

**Warning:** Turn off the projector and unplug its power cord before attaching or removing a lens; otherwise you could receive an electric shock.

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

1. Center the lens using the **Lens Shift** button.
2. Turn off the projector and unplug the power cord.

**Warning:** Wait about 30 minutes after turning off the projector before removing the lens. Touching the lens immediately after projecting or turning off the projector may cause burns.

3. Use your hand to loosen the screw securing the lens cover to the projector.
4. Press the buttons on the sides of the lens cover and pull the lens cover off the projector.

5. Hold the lens firmly as you release the lens lock. Pull the black lever up (1), pinch the metal tab against the lever, move it toward the **Release** position until it stops (2), and then push the black lever in as shown (3).

6. Remove the lens from the projector.

7. If you are not attaching a different lens right away, replace the lens cover and lens cover cap to protect the projector.

**Parent topic:** Attaching and Removing a Lens

**Related tasks**

- Adjusting the Image Position Using Lens Shift

**Installing Batteries in the Remote Control**

The remote control uses the two AA batteries that came with the projector.
Caution: Use only the type of batteries specified in this manual. Do not install batteries of different types, or mix new and old batteries.

1. Remove the battery cover.

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

Warning: Make sure the batteries are inserted in the correct positions. If the batteries are not inserted correctly, they could explode or leak, causing a fire, injury, or damage to the product.
3. Replace the battery cover and press it down until it clicks into place.

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

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

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

- Wired Network Projection
- Wireless Network Projection
- Setting Up Projector Network E-Mail Alerts
- Selecting Other Network Settings
- Setting a Static IP Address on the LCD Screen
- Controlling a Networked Projector Using a Web Browser
- Using Crestron Connected
- Art-Net Channel Definitions
- Registering a Digital Certificate on the Projector

Wired Network Projection

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

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

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

Connecting to a Wired Network
Selecting Wired Network Settings

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

**Related references**

Additional Projector Software and Manuals

Connecting to a Wired Network

To connect the projector to a wired local area network (LAN), use a 100Base-TX or 10Base-T network cable. You can also connect a commercially available etherCON LAN cable. To ensure proper data transmission, use a Category 5 shielded cable or better.
1. Connect one end of the network cable to your network hub, switch, or router.
2. Connect the other end of the cable to the projector's LAN port.

Parent topic: Wired Network Projection

Selecting Wired Network Settings

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

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

1. Turn on the projector.
2. Press the Menu button.
3. Select the Network menu and press Enter.
4. Select **Network Configuration** and press **Enter**.
5. Select the **Basic** menu and press **Enter**.

6. Select the following basic options as necessary:
   - **Projector Name** lets you enter a name up to 16 alphanumeric characters long to identify the projector over the network.
   - **PJLink Password** lets you enter a password up to 32 alphanumeric characters long for using the PJLink protocol for projector control.
   - **Remote Password** lets you enter a password up to 8 alphanumeric characters long for accessing the Remote screen in Epson Web Control. (Default user name is **EPSONREMOTE**; default password is **guest**.)
   - **Web Control Password** lets you enter a password up to 8 alphanumeric characters long for accessing Epson Web Control. (Default user name is **EPSONWEB**; default password is **admin**.)
   - **Moderator Password** lets you enter a password up to 4 numbers long for accessing the projector as a moderator with the Epson iProjection (Windows/Mac) software or the Epson iProjection app.
   - **Projector Keyword** lets you turn on a security password to prevent access to the projector by anyone not in the room with it. The projector displays a random keyword that you must enter from a computer using the Epson iProjection (Windows/Mac) software or an iOS or Android device, or on a Chromebook, using the Epson iProjection app.
   - **Display Keyword** lets you display a keyword on the projected image when accessing the projector from a computer using the Epson iProjection (Windows/Mac) software or an iOS or Android device, or on a Chromebook, using the Epson iProjection app.
• **Display LAN Info** lets you select how the projector displays network information. You can select an option to display a QR code that lets you quickly connect your iOS or Android devices using the Epson iProjection app.

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

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

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

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

9. To prevent display of the IP address on the standby screen, turn off **IP Address Display**.
10. To connect the projector to the network using IPv6, select **On** as the **IPv6 Settings** option. Then select the **Auto Configuration** and **Use Temporary Address** settings as necessary.
11. When you finish selecting settings, select **Complete** and follow the on-screen instructions to save your settings and exit the menus.
Wireless Network Projection

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

To connect wirelessly to your projector, configure the connection using the projector's Network menus. After connecting and setting up the projector, install the projector software. You may need to install it from a software CD, if included, or download the software and manuals as necessary.

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

Using a QR Code to Connect a Mobile Device
Using Quick Wireless Connection (Windows)
Selecting Wireless Network Settings Manually
Selecting Wireless Network Settings in Windows
Selecting Wireless Network Settings on Mac
Setting Up Wireless Network Security

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

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

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

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

5. Set the **Display LAN Info** setting to **Text & QR Code**.

6. Select **Complete** and follow the on-screen instructions to save your settings and exit the menus.
7. Do one of the following:
   • Press the **LAN** button on the remote control.
   • Select **Display the QR Code** in the projector's Network menu. 
   Your projector displays the QR code on the projection surface.

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

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

**Parent topic:** Wireless Network Projection

**Related references**

Additional Projector Software and Manuals

### Using Quick Wireless Connection (Windows)

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

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

1. Create a Quick Wireless Connection USB Key with a USB flash drive and the Epson iProjection (Windows) software.
   **Note:** See the online *Epson iProjection Operation Guide* for instructions.

2. Turn on the projector.
3. Press the **LAN** button on the remote control.
   The LAN standby screen is displayed.
4. Verify the SSID and IP address.
5. Insert the USB key into the projector’s **USB-A** port.
   You see a projected message that the network information update is complete.
6. Remove the USB key.
7. Insert the USB key into a USB port on your computer.

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

8. Follow the on-screen instructions to install the Epson iProjection software.

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

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

9. Run your presentation as necessary.

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

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

**Parent topic:** Wireless Network Projection

**Related references**
- Additional Projector Software and Manuals
- Projector Parts - Interface Ports

**Selecting Wireless Network Settings Manually**

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

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

4. Make sure the **Wireless Mode** setting is set to **Wireless LAN On**.

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

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

7. Select the following basic options as necessary:
   - **Projector Name** lets you enter a name up to 16 alphanumeric characters long to identify the projector over the network.
- **PJLink Password** lets you enter a password up to 32 alphanumeric characters long for using the PJLink protocol for projector control.

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

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

- **Moderator Password** lets you enter a password up to 4 numbers long for accessing the projector as a moderator with the Epson iProjection (Windows/Mac) software or the Epson iProjection app.

- **Projector Keyword** lets you turn on a security password to prevent access to the projector by anyone not in the room with it. The projector displays a random keyword that you must enter from a computer using the Epson iProjection (Windows/Mac) software or an iOS or Android device, or on a Chromebook, using the Epson iProjection app.

- **Display Keyword** lets you display a keyword on the projected image when accessing the projector from a computer using the Epson iProjection (Windows/Mac) software or an iOS or Android device, or on a Chromebook, using the Epson iProjection app.

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

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

![](image)

9. Select the settings on the **Wireless LAN** menu as necessary for your network.

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

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

### Wireless LAN Menu Settings

**Parent topic:** Wireless Network Projection

### Wireless LAN Menu Settings

<table>
<thead>
<tr>
<th>Setting</th>
<th>Options</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Connection Mode</td>
<td>Quick</td>
<td>Selects the type of wireless connection:</td>
</tr>
<tr>
<td></td>
<td>Advanced</td>
<td><strong>Quick</strong>: lets you connect to multiple smartphones, tablets, or computers directly</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Advanced</strong>: lets you connect to multiple smartphones, tablets, or computers via a wireless network access point</td>
</tr>
<tr>
<td>Setting</td>
<td>Options</td>
<td>Description</td>
</tr>
<tr>
<td>----------------------</td>
<td>----------------------------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Search Access Point</td>
<td>To Search View</td>
<td>Search for available wireless network access points in Advanced connection mode</td>
</tr>
<tr>
<td>SSID</td>
<td>Up 32 alphanumeric characters</td>
<td>Sets the SSID (network name) of the wireless LAN system the projector is connecting to</td>
</tr>
<tr>
<td>Security</td>
<td>Open, WPA2-PSK, WPA/WPA2-PSK, WPA2-EAP, WPA/WPA2-EAP</td>
<td>Selects the type of wireless security used in the wireless network (some options are only available when the Connection Mode setting is set to Advanced)</td>
</tr>
<tr>
<td>Passphrase</td>
<td>Between 8 to 63 alphanumeric characters</td>
<td>Enter a paraphrase for the wireless network</td>
</tr>
<tr>
<td>EAP Method</td>
<td>EAP Type, User name, Password, Client Certificate, Verify Server Cert., CA certificate, RADIUS Serv.Name</td>
<td>Sets the EAP settings for WPA2-EAP and WPA/WPA2-EAP security</td>
</tr>
<tr>
<td>Channel</td>
<td>1ch, 6ch, 11ch</td>
<td>In Quick connection mode, selects the frequency band (channel) used by the wireless LAN</td>
</tr>
</tbody>
</table>
## Setting Options Description

<table>
<thead>
<tr>
<th>Setting</th>
<th>Options</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>IP Settings</td>
<td>DHCP</td>
<td>Turns on DHCP if your network assigns addresses automatically; set to Off to manually enter the network's IP Address, Subnet Mask, and Gateway Address (some options are only available when the Connection Mode setting is set to Advanced)</td>
</tr>
<tr>
<td></td>
<td>IP Address</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Subnet Mask</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Gateway Address</td>
<td></td>
</tr>
<tr>
<td>SSID Display</td>
<td>On</td>
<td>Selects whether to display the SSID on the network standby screen</td>
</tr>
<tr>
<td></td>
<td>Off</td>
<td></td>
</tr>
<tr>
<td>IP Address Display</td>
<td>On</td>
<td>Selects whether to display the IP address on the network standby screen</td>
</tr>
<tr>
<td></td>
<td>Off</td>
<td></td>
</tr>
<tr>
<td>IPv6 Settings</td>
<td>IPv6</td>
<td>Selects the IPv6 settings when you connect the projector to the network using IPv6</td>
</tr>
<tr>
<td></td>
<td>Auto Configuration</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Use Temporary Address</td>
<td></td>
</tr>
</tbody>
</table>

**Parent topic:** [Selecting Wireless Network Settings Manually](#)

**Selecting Wireless Network Settings in Windows**

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

1. To access your wireless utility software, access the Desktop and double-click the network icon on the Windows taskbar.
2. Do one of the following:
   - If your projector is set up on an existing network (Advanced mode), select the network name (SSID).
   - If your projector is configured for Quick mode, select the projector's SSID.
3. Click **Connect**.

**Parent topic:** [Wireless Network Projection](#)
Selecting Wireless Network Settings on Mac

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

1. Click the AirPort icon on the menu bar at the top of the screen.
2. Make sure AirPort is turned on, then do one of the following:
   • If your projector is set up on an existing network (Advanced mode), select the network name (SSID).
   • If your projector is configured for Quick mode, select the projector's SSID.

Parent topic: Wireless Network Projection

Setting Up Wireless Network Security

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

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

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

1. If you want to set up WPA2-EAP or WAP/WAP2-EAP security, make sure your digital certificate file is compatible with projector registration and placed directly on a USB storage device.
2. Press the Menu button.
3. Select the **Network** menu and press **Enter**.

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

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

6. Set the **Security** setting to match your network settings.

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

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

10. Select Register and press Enter.
11. Follow the on-screen instructions to connect a USB storage device to the projector's USB-A port.
12. Press Enter to display the certificate list.
13. Select the certificate to import from the displayed list.
   
   You see a message to enter the certificate password.
14. Enter a password and press Enter.
   
   You see a completion message after the certificate is imported.
15. Set the following EAP settings as necessary:
   
   - **User name** lets you enter a user name up to 64 alphanumeric characters long. To enter more than 32 characters, use your web browser.
   - **Password** lets you enter a password up to 64 alphanumeric characters long when using the PEAP, EAP-FAST, or LEAP protocols. To enter more than 32 characters, use your web browser.
   - **Verify Server Cert.** lets you select whether or not to verify the server certificate when a CA certificate has been set.
   - **RADIUS Serv.Name** lets you enter the server name to be verified.
16. When you finish selecting settings, select Complete and follow the on-screen instructions to save your settings and exit the menus.

**Parent topic:** Wireless Network Projection

**Related references**

Wireless LAN Menu Settings

---

**Setting Up Projector Network E-Mail Alerts**

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

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

![Notifications menu screenshot](Image)

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

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

7. Select a number for the SMTP server **Port Number** setting, from 1 to 65535 (default is 25).
8. Enter the sender's email address as the **From** setting.
9. Choose an **Address Setting** field, enter the e-mail address, and select or deselect the alerts you want to receive there. Your e-mail address can be up to 32 alphanumeric characters long. Repeat for up to three addresses.
10. If you are using the PJLink protocol for projector control, turn on the **PJLink Notification** setting and enter the IP address where you want to receive PJLink notifications as the **Notified IP Address** setting.
11. When you finish selecting settings, select **Complete** and follow the on-screen instructions to save your settings and exit the menus.
Note: If a critical problem causes a projector to shut down, you may not receive an e-mail alert.

Network Projector E-mail Alert Messages
Parent topic: Using the Projector on a Network

Network Projector E-mail Alert Messages
When a problem occurs with a networked projector, and you selected to receive e-mail alerts, you receive an e-mail containing the following information:
- The email address entered as the From setting
- Epson Projector on the subject line
- The name of the projector experiencing a problem
- The IP address of the affected projector
- Detailed information about the problem

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

Parent topic: Setting Up Projector Network E-Mail Alerts

Selecting Other Network Settings
You can select optional network settings on the Others menu.

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

<table>
<thead>
<tr>
<th>Basic</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Wireless LAN</td>
<td></td>
</tr>
<tr>
<td>Wired LAN</td>
<td></td>
</tr>
<tr>
<td>Notifications</td>
<td></td>
</tr>
<tr>
<td>Others</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Secure HTTP</td>
</tr>
<tr>
<td></td>
<td>Web Server Cert.</td>
</tr>
<tr>
<td></td>
<td>Priority Gateway</td>
</tr>
<tr>
<td></td>
<td>AMX Device Discovery</td>
</tr>
<tr>
<td></td>
<td>Crestron Connected</td>
</tr>
<tr>
<td></td>
<td>Art-Net</td>
</tr>
<tr>
<td></td>
<td>Message Broadcasting</td>
</tr>
</tbody>
</table>

5. If you want to use the Secure HTTP protocol to encrypt communication when using Web Control, turn on the **Secure HTTP** setting and import the web server certificate using the **Web Server Cert.** setting.

6. Select the **Priority Gateway** setting for your network.

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

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

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

9. If you want to control the projector using Art-Net (an Ethernet communication protocol based on TCP/IP), turn on the **Art-Net** setting.

10. If you want this projector to receive broadcasted messages over the network, turn on the **Message Broadcasting** setting. Administrators can broadcast messages over the network using the Epson Projector Management software (Windows only).

11. 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
Setting a Static IP Address on the LCD Screen

You can set a static IP address on the projector's LCD screen while the projector is in standby mode. This lets you set the address without needing to project anything.

1. Press the **Menu** button on the projector or remote control.
2. Select the **Extended** menu and press **Enter**.
3. Select the **A/V Settings > A/V Output**, select **Always On**, and press **Enter**.
4. Select **Standby Mode**, select **Communication On**, and press **Enter**.
5. Press the **Menu** button to exit the menu system.
6. Turn off the projector, connect it to a wired LAN, and turn on the power using the power switch.
7. Hold down the **HDBaseT/LAN** button on the projector control panel for at least three seconds.
You see the static IP setting menu:

Start
IP Setting

8. Press the Enter button on the projector control panel, press the down arrow button to select OFF as the DHCP setting, and press Enter again.

9. Use the up and down arrow buttons as necessary to change the IP address values. Use the left and right arrow buttons to move the cursor to the next or previous number position. When you finish, press Enter.

IP Address
192.168.100.100

Note: You can also enter the numbers using the numeric buttons on the remote control.

10. Repeat the last step to enter the subnet mask and gateway address, if necessary, and press Enter.

11. Press Enter to select Finish and return to the status information screen.

Parent topic: Using the Projector on a Network

Related references
Projector Parts - Control Panel

Related tasks
Selecting Wired Network Settings

Controlling a Networked Projector Using a Web Browser

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

Note: The web setup and control features support Microsoft Internet Explorer 11.0 or later, Microsoft Edge, Google Chrome, and Safari on networks that do not use a proxy server for connection. You cannot select all of the projector menu settings or control all projector functions using a web browser.
Note: If you set Standby Mode to Communication On, you can use a web browser to select settings and control projection even if the projector is in standby mode.

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

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

You see the Epson Web Control screen.

1. Select Basic Control to control the projector remotely.
2. Select Test Pattern to display a test pattern.
3. Select Crestron Connected to open the menu (if you enabled Crestron Connected in the Network > Others menu).
4. Select Advanced to open the advanced menu screen.
5. Select Status Information to view the projector's status.
6. Select Remote Camera Access to take an image capture of the displayed image from a remote location.
7 Select **Lens Control** to adjust the lens (focus, zoom, and lens shift).
8 Select **OSD Control Pad** to change the projector's menu settings.

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

**Web Control Options**

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

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

**Related tasks**

Selecting Other Network Settings

---

**Web Control Options**

**Basic Control**

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

![Diagram](image.png)

1. Turns on the projector (power on)
2. Input source selection controls
3. Turns off the image temporarily
4. Searches for sources
5 Turns off the projector (standby)

OSD Control Pad

1 Returns to the Home screen
2 Displays the projector's setting menus
3 Use your finger or mouse to navigate the menus
4 Returns settings to their default values
5 Returns to the previous menu (if this doesn't work, select Home)
6 Displays help topics

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

Focus/Distortion screen

Note: Depending on the currently installed lens, this screen may look different.

1. Returns to the Home screen
2. Focus adjustment slider
3. Focus adjustment buttons
4. Distortion adjustment slider
5. Distortion adjustment buttons
6. Displays the Focus/Distortion screen
7. Displays the Zoom screen
8. Displays the Lens Shift screen
9. Displays the Test Pattern screen
10. Displays the Memory screen

Zoom screen
**Note:** Zoom is not available for the ELPLX02 and ELPLX02W lenses.

![Zoom adjustment slider and buttons](image)

**Note:** Depending on the currently installed lens, this screen may look different.

1. Zoom adjustment slider
2. Zoom adjustment buttons

**Lens Shift screen**

![Lens Shift control panel](image)

**Note:** Depending on the currently installed lens, this screen may look different.
1 The blue square displays the current image position and the red square displays the new image position
2 Displays the vertical image position; select to change the value
3 Moves the image position up, down, left, or right
4 Moves the lens to the home position
5 Displays the horizontal image position; select to change the value

**Test Pattern screen**

1 Displays available test patterns; select to project a test pattern
2 Turns off test pattern display
Memory screen

1. Overwrites your current settings with saved settings
2. Saves your current settings to memory
3. Displays a list of saved memories
4. Erases a saved memory
5. Renames a saved memory

Status Information screen
1 Returns to the Home screen
2 Displays a list of monitored settings
3 Displays the setting status
4 Select to view different status information

Remote Camera Access screen

1 Displays the image you captured using the Shoot button
2 Takes a picture of the projected image using the camera on the front of the projector
3 Adjusts the image exposure
4 Zooms in or out on the image you captured

Parent topic: Controlling a Networked Projector Using a Web Browser

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

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

You can take an image capture of the projected image and view it from a remote location using the projector’s built-in camera.
Note the following when using this feature:

• This feature is not supported with the ELPLX02 or ELPLX02W lens.

• This feature is not supported when performing the following functions: Tiling, Tiling Assist, Screen Matching, Color Calibration, Lens Calibration, Message Broadcasting in the Epson Projector Management software.

• Using this feature cancels the following functions: Split Screen, Shutter, on-screen display (when the message is hidden).

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

2. Make sure the **Remote Camera Access** setting is set to **Off**, then exit the menu.

3. Press the **Menu** button.

4. Select the **Network** menu and press **Enter**.
5. Select **Network Configuration** and select the **Others** menu.
6. Make sure the **Secure HTTP** setting is enabled and return to the Network menu.
7. Select **Remote Camera Access** and press **Enter**.
   You see a screen like this:

8. Select **On** as the **Remote Camera Access** setting.
9. Select the **Password** setting and enter a password up to 32 alphanumeric characters long.
   
   **Note:** Do not use these characters in the password: * (asterisk), : (colon), or a space character.

10. Open a web browser on a computer or mobile device connected to the projector over a network connection.
11. Enter the projector's IP address in your browser's address box to connect to Epson Web Control.
You see a screen like this:

![Screen Capture]

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

12. Select **Remote Camera Access**.

**Note:** You may need to log in to access some of the options on the Epson Web Control screen. If you see a log in window, enter your user name and password. (The default user name is **EPSONWEB** and the default password is **admin**.)
13. Click **Shoot** to take a capture of the projected image. (You cannot capture warning or caution messages.)

![Shoot Button](image)

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

The projector displays a message on the projection screen for several seconds while it takes an image capture. When finished, the captured image is displayed in the area above the **Shoot** button.

**Parent topic:** [Controlling a Networked Projector Using a Web Browser](#)

### Using Crestron Connected

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

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

For additional information on Crestron Connected, contact Crestron.

[Setting Up Crestron Connected](#)
[Controlling a Networked Projector Using Crestron Connected](#)
Setting Up Crestron Connected

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

Note: If you want to use the Crestron Connected system when the projector is turned off, you need to adjust the Standby Mode settings in the Extended menu.

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

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

6. Turn off the projector, then turn it on again to enable the setting.
Controlling a Networked Projector Using Crestron Connected

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

1. Start your web browser on a computer connected to the network.
2. Type the projector's IP address into the browser's address box and press the computer's Enter key.

You see the Epson Web Control screen:

3. Select Crestron Connected.
You see a screen like this:

![Screen Image]

**Note:** Sources in the image above vary depending on ports available on your product.

4. 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.

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

**Note:** These on-screen buttons do not directly correspond to the projector's remote control buttons:
- **OK** acts as the **Enter** button
- **Menu** displays the projector's menu

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

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

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

**Parent topic:** Using Crestron Connected
Art-Net Channel Definitions

Art-Net is an Ethernet communication protocol based on the TCP/IP protocol. You can control the projector by using a DMX controller or an application system.

The following table lists the channel definitions used to control the projector in Art-Net.

Begin by setting channel 13 to Can control.

Note: When controlling the projector using Art-Net and performing operations from the remote control or control panel, settings made by the DMX controller or application software may not be applied to the projector correctly or may differ from the projector's actual status. If you want to apply control for multiple channels to the projector, set Channel 13 to Cannot control before you make any other settings. Then set Channel 13 to Can control after setting multiple channels. You can then control the projector without changing the setting for Channel 13.

<table>
<thead>
<tr>
<th>Channel/Function</th>
<th>Operation</th>
<th>Parameters</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Adjusting light (dimming)</td>
<td>0% to 100%</td>
<td>0 to 255</td>
<td>Adjusts the image brightness (default is 0)</td>
</tr>
<tr>
<td>2 Shutter control</td>
<td>Shutter closed</td>
<td>0 to 63</td>
<td>Closes and opens the shutter (default is 128)</td>
</tr>
<tr>
<td></td>
<td>Non-operational</td>
<td>64 to 191</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Shutter open</td>
<td>192 to 255</td>
<td></td>
</tr>
<tr>
<td>Channel/Function</td>
<td>Operation</td>
<td>Parameters</td>
<td>Description</td>
</tr>
<tr>
<td>------------------</td>
<td>----------------------------</td>
<td>----------------------------------------------------------------------------</td>
<td>--------------------------------------------------</td>
</tr>
<tr>
<td>3 Switch source</td>
<td>Non-operational</td>
<td>0 to 23, 32 to 47, 64 to 71, 88 to 127, 144 to 167, 184 to 255</td>
<td>Switches to the specified source (default is 0)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>HDBaseT 24 to 31</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>SDI 48 to 55</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Computer 56 to 63</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>BNC 72 to 79</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>LAN 80 to 87</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Slot 1-1* 128 to 135</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Slot 1-2* 136 to 143</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Slot 2-1* 168 to 175</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Slot 2-2* 176 to 183</td>
<td></td>
</tr>
<tr>
<td>4 Lens position</td>
<td>Non operational</td>
<td>0 to 31, 64 to 255</td>
<td>Shifts the lens to the home position (default is 0)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Move to home position 32 to 63</td>
<td></td>
</tr>
<tr>
<td>5 Horizontal lens shift</td>
<td>(+) Lens adjustment</td>
<td>Movement - large: 0 to 31 Movement - medium: 32 to 63 Movement - small: 64 to 95</td>
<td>Shifts the lens horizontally by the amount of shift specified (default is 128)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Non-operational 96 to 159</td>
<td></td>
</tr>
<tr>
<td></td>
<td>(-) Lens adjustment</td>
<td>Movement - small: 160 to 191 Movement - medium: 192 to 223 Movement - large: 224 to 255</td>
<td></td>
</tr>
<tr>
<td>Channel/Function</td>
<td>Operation</td>
<td>Parameters</td>
<td>Description</td>
</tr>
<tr>
<td>-----------------------</td>
<td>-----------------</td>
<td>----------------------------------------------------------------------------</td>
<td>----------------------------------------------------------------------------</td>
</tr>
</tbody>
</table>
| 6 Vertical lens shift | (+) Lens adjustment | Movement - large: 0 to 31  
Movement - medium: 32 to 63  
Movement - small: 64 to 95 | Shifts the lens vertically by the amount of shift specified (default is 128) |
|                       | Non-operational | 96 to 159                                                                 |                                                                             |
|                       | (–) Lens adjustment | Movement - small: 160 to 191  
Movement - medium: 192 to 223  
Movement - large: 224 to 255 |                                                                             |
| 7 Electronic zoom     | (+) Lens adjustment | Movement - large: 0 to 31  
Movement - medium: 32 to 63  
Movement - small: 64 to 95 | Zooms using the specified amount of movement (default is 128)               |
|                       | Non-operational | 96 to 159                                                                 |                                                                             |
|                       | (–) Lens adjustment | Movement - small: 160 to 191  
Movement - medium: 192 to 223  
Movement - large: 224 to 255 |                                                                             |
<table>
<thead>
<tr>
<th>Channel/Function</th>
<th>Operation</th>
<th>Parameters</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8 Electronic focus</td>
<td>(+) Lens adjustment</td>
<td>Movement - large: 0 to 31&lt;br&gt;Movement - medium: 32 to 63&lt;br&gt;Movement - small: 64 to 95</td>
<td>Performs electronic focus using the specified amount of movement (default is 128)</td>
</tr>
<tr>
<td></td>
<td>Non-operational</td>
<td>96 to 159</td>
<td></td>
</tr>
<tr>
<td></td>
<td>(−) Lens adjustment</td>
<td>Movement - small: 160 to 191&lt;br&gt;Movement - medium: 192 to 223&lt;br&gt;Movement - large: 224 to 255</td>
<td></td>
</tr>
<tr>
<td>9 Electronic distortion</td>
<td>(+) Lens adjustment</td>
<td>Movement - large: 0 to 31&lt;br&gt;Movement - medium: 32 to 63&lt;br&gt;Movement - small: 64 to 95</td>
<td>Corrects distortion using the specified amount of movement (default is 128)</td>
</tr>
<tr>
<td></td>
<td>Non-operational</td>
<td>96 to 159</td>
<td></td>
</tr>
<tr>
<td></td>
<td>(−) Lens adjustment</td>
<td>Movement - small: 160 to 191&lt;br&gt;Movement - medium: 192 to 223&lt;br&gt;Movement - large: 224 to 255</td>
<td></td>
</tr>
<tr>
<td>Channel/Function</td>
<td>Operation</td>
<td>Parameters</td>
<td>Description</td>
</tr>
<tr>
<td>-------------------------</td>
<td>-------------------------</td>
<td>-----------------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>10 Load lens memory</td>
<td>Non-operational</td>
<td>0 to 15, 176 to 255</td>
<td>Loads the specified lens memory (default is 0)</td>
</tr>
<tr>
<td></td>
<td>Load lens memory 1</td>
<td>16 to 31</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Load lens memory 2</td>
<td>32 to 47</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Load lens memory 3</td>
<td>48 to 63</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Load lens memory 4</td>
<td>64 to 79</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Load lens memory 5</td>
<td>80 to 95</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Load lens memory 6</td>
<td>96 to 111</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Load lens memory 7</td>
<td>112 to 127</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Load lens memory 8</td>
<td>128 to 143</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Load lens memory 9</td>
<td>144 to 159</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Load lens memory 10</td>
<td>160 to 175</td>
<td></td>
</tr>
<tr>
<td>11 Power control</td>
<td>Power off</td>
<td>0 to 63, 64 to 191</td>
<td>Turns the projector power on or off (default is 128)</td>
</tr>
<tr>
<td></td>
<td>Non-operational</td>
<td>64 to 191</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Power on</td>
<td>192 to 255</td>
<td></td>
</tr>
<tr>
<td>12 Geometry correction</td>
<td>Off</td>
<td>0 to 15</td>
<td>Performs geometry correction (default is 255)</td>
</tr>
<tr>
<td></td>
<td>H/V-Keystone</td>
<td>16 to 31</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Quick Corner</td>
<td>32 to 47</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Point Correction</td>
<td>48 to 63</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Curved Surface</td>
<td>64 to 79</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Corner Wall</td>
<td>80 to 95</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Load geometry correction memory 1</td>
<td>96 to 111</td>
<td>Loads a geometry correction memory (default is 255)</td>
</tr>
<tr>
<td></td>
<td>Load geometry correction memory 2</td>
<td>112 to 127</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Load geometry correction memory 3</td>
<td>128 to 143</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Non-operational</td>
<td>144 to 175</td>
<td></td>
</tr>
<tr>
<td>Channel/Function</td>
<td>Operation</td>
<td>Parameters</td>
<td>Description</td>
</tr>
<tr>
<td>-----------------</td>
<td>------------------</td>
<td>------------------</td>
<td>--------------------------------------------------</td>
</tr>
<tr>
<td>13 Lock</td>
<td>Cannot control</td>
<td>0 to 127</td>
<td>Enables/disables Art-Net operations (default is 0)</td>
</tr>
<tr>
<td></td>
<td>Can control</td>
<td>128 to 255</td>
<td></td>
</tr>
<tr>
<td>14 Freeze</td>
<td>Non-operational</td>
<td>0 to 31, 96 to 159, 224 to 255</td>
<td>Pauses or resumes image display (default is 128)</td>
</tr>
<tr>
<td></td>
<td>Freeze off</td>
<td>32 to 95</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Freeze on</td>
<td>160 to 223</td>
<td></td>
</tr>
</tbody>
</table>

* The slot number of the interface board followed by the port number from left to right on the interface board

Parent topic: Using the Projector on a Network

Related tasks

Selecting Other Network Settings

Registering a Digital Certificate on the Projector

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

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

Importing a Web Server Certificate Using the Projector Menus

Registering Digital Certificates from a Web Browser

Digital Certificate Types

Parent topic: Using the Projector on a Network

Importing a Web Server Certificate Using the Projector Menus

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

Note: You can also register digital certificates from your web browser. Make sure to only register once, or the certificate may not install correctly.
1. Make sure your digital certificate file is compatible with projector registration and saved in the root directory of the USB flash drive.

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

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

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

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

6. Select **On** as the **Secure HTTP** setting.

7. Select the **Web Server Cert.** setting and press **Enter**.

8. Select **Register** and press **Enter**.

9. Insert a USB flash drive into the projector's **USB-A** port.

10. Press **Enter** to display the certificate list.

11. Select the certificate you want to import from the displayed list.

   - A message is displayed prompting you to enter the password for the certificate.

12. Enter the password and press **Enter**.

   The certificate is imported and a completion message appears.

**Parent topic:** Registering a Digital Certificate on the Projector

**Related references**

- Digital Certificate Types
Registering Digital Certificates from a Web Browser

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

1. Make sure your digital certificate file is compatible with projector registration.
2. Make sure the projector is turned on.
3. Start your web browser on a computer or mobile device connected to the network.
4. Type the projector's IP address into the browser's address box and press the computer's **Enter** key.
   
   You see the Web Control screen:

5. Select **Advanced**.

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

6. Under **Network**, select **Certificate**.
7. Click the **Choose File** button, select the certificate file, and click **Open**.
8. Enter a password in the **Password** box and click **Send**.
9. When you finish registering the certificate, click **Apply** to finalize your changes and complete the registration.

**Parent topic:** Registering a Digital Certificate on the Projector
Digital Certificate Types

You can register these types of digital certificates.

### Client Certificate (PEAP-TLS/EAP-TLS)

<table>
<thead>
<tr>
<th>Specification</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Format</td>
<td>PKCS#12</td>
</tr>
<tr>
<td>Extension</td>
<td>PFX/P12</td>
</tr>
<tr>
<td>Encryption</td>
<td>RSA</td>
</tr>
<tr>
<td>Hashes</td>
<td>MD5/SHA-1/SHA-256/SHA-384/SHA-512</td>
</tr>
<tr>
<td>Key length</td>
<td>512/1024/2048/4096 bit</td>
</tr>
<tr>
<td>Password</td>
<td>Up to 32 alphanumeric characters; required</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Specification</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Format</td>
<td>X509v3</td>
</tr>
<tr>
<td>Extension</td>
<td>DER/CER/PEM</td>
</tr>
<tr>
<td>Encryption</td>
<td>RSA</td>
</tr>
<tr>
<td>Hashes</td>
<td>MD5/SHA-1/SHA-256/SHA-384/SHA-512</td>
</tr>
<tr>
<td>Key length</td>
<td>512/1024/2048/4096 bit</td>
</tr>
<tr>
<td>Encoding</td>
<td>BASE64/Binary</td>
</tr>
</tbody>
</table>

### Web Server Certificate (Secure HTTP)

<table>
<thead>
<tr>
<th>Specification</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Format</td>
<td>PKCS#12</td>
</tr>
<tr>
<td>Extension</td>
<td>PFX/P12</td>
</tr>
<tr>
<td>Encryption</td>
<td>RSA</td>
</tr>
<tr>
<td>Specification</td>
<td>Description</td>
</tr>
<tr>
<td>--------------------</td>
<td>--------------------------------------------------</td>
</tr>
<tr>
<td>Hashes</td>
<td>MD5/SHA-1/SHA-256/SHA-384/SHA-512</td>
</tr>
<tr>
<td>Key length</td>
<td>512/1024/2048/4096 bit</td>
</tr>
<tr>
<td>Common name</td>
<td>Network host name</td>
</tr>
<tr>
<td>Organization</td>
<td>Optional</td>
</tr>
<tr>
<td>Password</td>
<td>Up to 32 alphanumeric characters; required</td>
</tr>
</tbody>
</table>

**Note:** You can set a password of up to 64 characters if you use a web browser to enter the text.

**Parent topic:** Registering a Digital Certificate on the Projector
Using Basic Projector Features

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

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

Turning On the Projector

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

Note: Install a circuit breaker for 13 A to 20 A to the wiring that supplies power to the projector and do not connect any other devices to that wiring.
1. Connect the power cord to the projector's power inlet. Flip the power cable holder over the plug as shown.

Note: If you connected the projector using the 100 V power cord, the image brightness is reduced to approximately 55% of the brightness achievable with the 220 V power cord and the Laser light flashes orange. For optimal performance, connect the 220 V power cord that came with the projector. You cannot access the **Light Source Mode**, **Estimated Remains**, or **Light Source Calibration** menu settings when connected using the 100 V power cord.

2. Plug the power cord into an electrical outlet.

3. Turn on the power switch on the side of the projector.

The projector's On/Standby light flashes briefly and then turns blue. This indicates that the projector is receiving power.
Note: With **Direct Power On** turned on, the projector turns on as soon as you plug it in.

4. Press the **On** button on the projector or remote control to turn on the projector.
   The projector beeps and the Status light flashes blue as the projector warms up. After about 30 seconds, the Status light stops flashing and turns blue.

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

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

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

- Make sure the lens cap is off.
- Turn on the connected computer or video device.
- Insert a DVD or other video media and press the play button, if necessary.
- Press the **Search** button on the remote control to detect the video source, or press one of the source buttons on the remote control or projector.

**Parent topic:** Using Basic Projector Features

**Related references**

- Projector Setup Settings - Extended Menu

**Related tasks**

- Turning Off the Projector

---

**Turning Off the Projector**

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

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

1. Press the **Standby** button on the projector or remote control.
The projector displays a shutdown confirmation screen.

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

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

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

3. Turn off the power using the power switch on the side of the projector.

   The On/Standby light turns off.

4. To transport or store the projector, make sure the Status light is off, then unplug the power cord. (If necessary, flip open the power cable holder first.)
Note: If you use the projector continuously for more than 24 hours, or regularly turn it off by shutting off the power outlet, schedule periodic Light Source Calibration events in the Extended menu schedule settings.

Parent topic: Using Basic Projector Features
Related references
Projector Setup Settings - Extended Menu
Related tasks
Turning On the Projector
Saving a Scheduled Event

Selecting the Language for the Projector Menus

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

1. Turn on the projector.
2. Press the Menu button.
3. Select the Extended menu and press Enter.
4. Select the Language setting and press Enter.
5. Select the language you want to use and press Enter.
6. Press Menu or Esc to exit the menus.
Adjusting the Image Height

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

1. Turn on the projector and display an image.
2. To adjust the image height, or the projector's horizontal and vertical tilt, rotate the front or rear feet to extend or retract them.

Note: You can adjust the projector's tilt up to 2°. You can also detach the feet or extend them up to 1.1 inches (28 mm) before they detach.

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

Parent topic: Using Basic Projector Features
Related concepts
Image Shape

Resizing the Image with the Zoom Button
You can adjust the size of the image using the zoom buttons.

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

1. Turn on the projector and display an image.
2. Press the **Zoom** button on the control panel.
3. Press the left or right arrow buttons to resize the image.
4. Press the **Esc** button when finished.

**Note:** You can also press the **Zoom +** or **–** buttons on the remote control to adjust the size of the image.

Parent topic: Using Basic Projector Features

Focusing the Image Using the Focus and Distortion Buttons
You can adjust the sharpness of the projected image using the focus and distortion buttons.

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

1. Turn on the projector and display an image.

   **Note:** If you are projecting from multiple projectors that differ in brightness, display a grayscale test pattern to adjust the focus for best results.
2. Press the **Focus** button on the control panel.

3. Do one of the following depending on the type of lens you have installed:
   - **Non-short-throw zoom lens**: Press the left and right arrow buttons to adjust the focus and press the **Esc** button when finished. Skip the rest of these steps.
   - **Short-throw zoom lens**: Press the left and right arrow buttons to focus the image around the center of the lens. You may see a message prompting you to correct the image distortion. Continue with the next steps.

4. Press the **Distortion** button on the control panel.
5. Press the left and right arrow buttons to focus the image in the surrounding area.

Note: You can also adjust image distortion using the Focus + or – and Distortion + or – buttons on the remote control.

6. If the center becomes out of focus again, repeat steps 2 and 3.
If you still cannot correct the focus, press the Calibration button on the remote control to calibrate the lens, then try focusing again.

Parent topic: Using Basic Projector Features

Related tasks
Displaying a Test Pattern

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

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

1. Turn on the projector and display an image.
2. Press the Menu button.
3. Select the Extended menu and press Enter.
4. Select **Display > Screen > Screen Type**.
   You see this screen:

   ![Screen Type menu]

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

   **Parent topic:** Using Basic Projector Features
   **Related concepts**
   Image Aspect Ratio

   **Adjusting the Image Position Using Lens Shift**

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

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

   1. Turn on the projector and display an image.
2. Press the **Lens Shift** button on the control panel or remote control.

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

   **Note:** When adjusting the image height, position the image lower than where you want it to be and then move it up. This will help prevent the image from moving down after adjustment.

Here are the lens shift ranges for the optional lenses:

`ELPLU04/ELPLW06/ELPLW08/ELPLM10/ELPLM11/ELPLM15/ELPLL08`
1. Center of lens
2. Projected image when lens shift is set to the home position
3. Maximum motion range: V × 60%

**ELPLX02/ELPLX02W**

![Diagram of lens shift and motion range](image)

1. Center of lens
2. Projected image when lens shift is set to the home position
3. Maximum motion range: Up V × 20%, Down V × 5%

**Note:** You cannot move the image vertically when the lens is shifted horizontally all the way.

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

**Note:** The image is clearest when the lens is at the home position. To move the lens to the home position, press and hold the **Lens Shift** button on the remote control or control panel for at least three seconds. Set the **A/V Output** setting in the Extended menu to **Always On** so you can move the lens to the home position even when the projector is in standby mode.

**Parent topic:** Using Basic Projector Features

**Related references**

- Projector Setup Settings - Extended Menu
Adjusting the Image Position Using Screen Position

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

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

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

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

Parent topic: Using Basic Projector Features

Related tasks
Setting the Screen Type

Displaying a Test Pattern

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

Note: The test pattern’s shape is determined by the Screen Type setting. Be sure to set the correct screen type before adjusting with the test pattern.
1. Turn on the projector.
2. Press the **Test Pattern** button on the remote control or control panel.
3. Press the left or right arrow button on the remote control, or press **Enter** on the control panel to cycle through the available test patterns.
4. Adjust the image as necessary.
5. Press the **Esc** button to clear the test pattern.

**Parent topic:** [Using Basic Projector Features](#)

**Related tasks**

- [Setting the Screen Type](#)

**Image Shape**

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

- [Correcting Image Shape with H/V Keystone](#)
- [Correcting Image Shape with Quick Corner](#)
- [Correcting Image Shape with Curved Surface](#)
- [Correcting Image Shape with Corner Wall](#)
- [Correcting Image Shape with Point Correction](#)

**Parent topic:** [Using Basic Projector Features](#)

**Correcting Image Shape with H/V Keystone**

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

![Image Shape Correction](image-shape-correction.png)
**Note:** You cannot combine H/V Keystone correction with other image shape correction methods.

1. Turn on the projector and display an image.
2. Press the **Geometry** button on the projector control panel or remote control.
3. Select the **H/V-Keystone** setting and press **Enter**. Then press **Enter** again.
   You see the H/V-Keystone adjustment screen:

   ![H/V-Keystone Adjustment Screen](image)

   **Note:** You can also access the **H/V Keystone** setting by pressing the **Menu** button and selecting **Geometry Correction** on the Settings menu.

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

**V-Keystone**

![V-Keystone Adjustment](image)

**V-Balance**

![V-Balance Adjustment](image)
H-Keystone

H-Balance

5. When you are finished, press the Menu button. After correction, your image may be slightly smaller.

Parent topic: Image Shape
Related references
Projector Feature Settings - Settings Menu

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.
2. Press the **Geometry** button on the projector control panel or remote control.
3. Select **Quick Corner** and press **Enter**.
   You see the Quick Corner adjustment screen:

   ![Quick Corner Adjustment Screen](image)

   **Select the area.**

   **Note:** You can also access the **Quick Corner** setting by pressing the **Menu** button and selecting **Geometry Correction** on the Settings menu.

4. Use the arrow buttons on the projector or remote control to select the corner of the image you want to adjust. Then press **Enter**.
5. Press the arrow buttons to adjust the image shape as necessary.
   
   **Note:** To reset your adjustments, press and hold the **Esc** button for at least 2 seconds to display a reset screen. Then select **Yes** and press **Enter**.

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

**Parent topic:** Image Shape

**Related references**

Projector Feature Settings - Settings Menu
Correcting Image Shape with Curved Surface

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

Note: For the best results, project from the front of the screen onto a surface with a uniform arc radius and with the lens in the home position.

1. Turn on the projector and display an image.
2. Press the Geometry button on the projector control panel or remote control.
3. Select the Curved Surface setting and press Enter. If you see a confirmation message, press Enter again.

You see this screen:
**Note:** You can also access the **Curved Surface** setting by pressing the **Menu** button and selecting **Geometry Correction** on the Settings menu.

4. Select **Curved Surface** again and press **Enter**.

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

You see a screen like this:

![Correct Shape]

Select the area.

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

7. Use the arrow buttons on the projector control panel or remote control to adjust the image shape.
8. Press the Esc button to return to the Curved Surface menu screen.
9. Repeat the previous three steps as necessary to adjust other image areas.
   If the image expands or contracts, continue with the next steps to adjust the linearity.

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

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

10. Press the Esc button.
    You see this screen:

    ![Curved Surface Menu Screen]

11. To compensate for expansion or contraction while maintaining the image aspect ratio, select Maintain Aspect Ratio and set it to On.

12. Select one of the following to adjust the linearity:
   • **Horizontal Linearity**: Adjusts horizontal expansion or contraction.
   • **Vertical Linearity**: Adjusts vertical expansion or contraction.

13. Use the arrow buttons to select a displayed line to use as a baseline and press Enter.
    The selected baseline flashes orange and white.
14. Adjust the linearity by doing one of the following:
   • Press the left arrow button to contract the distance between the lines closest to the baseline.
• Press the right arrow button to expand the distance between the lines closest to the baseline.

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

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

**Parent topic**: Image Shape

**Related references**
Projector Feature Settings - Settings Menu

**Related tasks**
Correcting Image Shape with Quick Corner
Correcting Image Shape with Point Correction
Correcting Image Shape with Corner Wall

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

Note: For the best results, project from the front of the screen onto a right-angled surface. The image may not be evenly focused throughout even after performing the steps here.

1. Turn on the projector and display an image.
2. Press the Geometry button on the projector control panel or remote control.
3. Select the Corner Wall setting and press Enter.

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

You see this screen:

4. Select Corner Wall again and press Enter.
5. Select the Corner Type setting and press Enter.
6. Select one of the following:
   - **Horizontal Corner** when the surfaces line up horizontally
   
   ![Horizontal Corner Diagram]

   - **Vertical Corner** when the surfaces line up vertically
   
   ![Vertical Corner Diagram]

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

   ![Correct Shape Adjustment Diagram]
Note: You can press Enter to show or hide the image and grid to check the results.

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

- For horizontal corners, adjust the top area using the lowest point (1) as your reference. Adjust the lower area using the highest point (2) as your reference.

- For vertical corners, adjust the left and right areas using the points nearest the center of the image as your reference points.
11. Press the arrow buttons on the projector or remote control to adjust the image shape.

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

12. Repeat the previous two steps as necessary to adjust other image areas.

13. If the image expands or contracts, press the **Esc** button to return to the Corner Wall screen so you can adjust the linearity.

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

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

**Parent topic:** Image Shape

**Related tasks**
- Correcting Image Shape with Quick Corner
- Correcting Image Shape with Point Correction

### Correcting Image Shape with Point Correction

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

![Diagram of Point Correction](image)

**Note:** You can move the points on the grid between 0.5 to 32 pixels in any direction.

1. Turn on the projector and display an image.
2. Press the **Geometry** button on the projector control panel or remote control.
3. Select the **Point Correction** setting and press **Enter**.

   **Note:** If you see a confirmation message, press **Enter**.
4. Select the **Point Correction** setting again and press **Enter**.
   You see this screen:

   ![Point Correction Screen]

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

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

7. Press the arrow buttons on the projector or remote control to move to the point on the grid that you want to adjust. Then press **Enter**.
8. Press the arrow buttons to correct the image shape in all necessary directions.

![Image Correction Diagram]

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

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

10. When you are finished, press the Menu button.

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

**Parent topic:** Image Shape  
**Related tasks**  
Correcting Image Shape with Quick Corner

## Selecting an Image Source

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

1. Make sure the connected image source you want to use is turned on.
2. For video image sources, insert a DVD or other video media and press its play button, if necessary.
3. Do one of the following:
   - Press the Search button on the remote control until you see the image from the source you want.
• Press the button for the source you want on the remote control. If there is more than one port for that source, press the button again to cycle through the sources.

1. HDBaseT port source
2. HDMI source
3. Computer or BNC port source
4. DisplayPort source (if optional DisplayPort interface board is installed)
5. SDI port source
6. Network source
7. Input ports on the optional interface board in Slot 2
8. Input ports on the interface board in Slot 1
9. DVI-D source

• Press the button for the source you want on the projector control panel. If there is more than one port for that source, press the button again to cycle through the sources.
1 HDMI or DVI-D source
2 HDBaseT port or network source
3 SDI port source
4 Computer or BNC port source
5 Input ports on the interface board in Slot 1
6 Input ports on the optional interface board in Slot 2

The Sync. light on the control panel turns on for the currently selected input source.

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 98.4 feet (30 m) away. You can point it at the front or rear of the projector.

Make sure that you aim the remote control at the projector's receivers within the angles listed here.
Note: Avoid using the remote control in conditions with bright fluorescent lights or in direct sunlight, or the projector may not respond to commands. If you will not use the remote control for a long time, remove the batteries.

Parent topic: Using Basic Projector Features
Related tasks
Replacing the Remote Control Batteries

Projection Modes

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

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

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 Shutter button on the remote control for 5 to 10 seconds.

   ![Shutter button diagram]

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

3. To change projection back to the original mode, hold down the Shutter button for 5 to 10 seconds again.

**Parent topic:** Projection Modes

### Changing the Projection Mode Using the Menus

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

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

   ![Menu screen]

4. Select the Projection setting and press Enter.

128
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

Input Signal Settings - Signal Menu

Changing the Image Aspect Ratio

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

Note: Set the Screen Type setting in the projector’s Extended menu before changing the aspect ratio.

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

The shape and size of the displayed image changes, and the name of the aspect ratio appears briefly on the screen.
3. To cycle through the available aspect ratios for your input signal, press the Aspect button repeatedly.

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

**Parent topic:** Image Aspect Ratio

**Related references**
- Available Image Aspect Ratios
- Input Signal Settings - Signal Menu

**Related tasks**
- Setting the Screen Type

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

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

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

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.

   ![Remote Control](image.png)

   The image appearance changes and the name of the Color Mode appears briefly on the screen.
4. To cycle through all the available Color Modes for your input signal, press the Color Mode button repeatedly.

**Parent topic:** [Color Mode](#)

**Related references**

**Available Color Modes**

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

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

* Available only when inputting RGB signals

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

**Parent topic:** [Color Mode](#)

**Adjusting the Brightness**

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

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

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

5. Select the **Light Source Mode** setting and press **Enter**.

6. Select one of the following options:
   - **Normal**: Sets brightness to the maximum level (ideal for conference rooms, auditoriums, and lecture halls)
   - **Quiet**: Sets brightness to 70% and reduces fan noise (ideal for libraries, theaters, museums, and art galleries)
   - **Extended**: Sets brightness to 70% and extends the life expectancy of the light source (ideal for darker environments with ambient light, such as museums and art galleries, where a reduced maintenance cycle is desired)
   - **Custom**: Allows you to select a custom brightness level between 30 to 100%

7. If you selected **Custom**, select **Brightness Level** from the Brightness Settings screen and use the left and right arrow buttons to select the brightness.

8. If you selected **Custom** and want to maintain consistent brightness, turn on the **Constant Brightness** setting.

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

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

**Constant Brightness Usage Hours**

**Parent topic:** Using Basic Projector Features

**Related references**

- Projector Setup Settings - Extended Menu

**Related tasks**

- Saving a Scheduled Event

---

**Constant Brightness Usage Hours**

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

<table>
<thead>
<tr>
<th>Display level</th>
<th>Estimated remaining hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>10000 or more hours</td>
</tr>
</tbody>
</table>
### Display level

<table>
<thead>
<tr>
<th>Display level</th>
<th>Estimated remaining hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="light-source-icon-1.png" alt="Light Source Icon" /></td>
<td>8000 to 9999 hours</td>
</tr>
<tr>
<td><img src="light-source-icon-2.png" alt="Light Source Icon" /></td>
<td>6000 to 7999 hours</td>
</tr>
<tr>
<td><img src="light-source-icon-3.png" alt="Light Source Icon" /></td>
<td>4000 to 5999 hours</td>
</tr>
<tr>
<td><img src="light-source-icon-4.png" alt="Light Source Icon" /></td>
<td>2000 to 3999 hours</td>
</tr>
<tr>
<td><img src="light-source-icon-5.png" alt="Light Source Icon" /></td>
<td>0 to 1999 hours</td>
</tr>
</tbody>
</table>

### Light source life span

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

#### Constant Brightness off

<table>
<thead>
<tr>
<th>Brightness Level setting</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>100%</td>
<td>20000 hours</td>
</tr>
<tr>
<td>90%</td>
<td>36000 hours</td>
</tr>
<tr>
<td>80%</td>
<td>41000 hours</td>
</tr>
<tr>
<td>70%</td>
<td>43000 hours</td>
</tr>
<tr>
<td>60%</td>
<td>46000 hours</td>
</tr>
<tr>
<td>50%</td>
<td>57000 hours</td>
</tr>
<tr>
<td>40%</td>
<td>75000 hours</td>
</tr>
<tr>
<td>30%</td>
<td>103000 hours</td>
</tr>
</tbody>
</table>

#### Constant Brightness on

![Diagram](constant-brightness-on-diagram.png)

1. Brightness level
2 Time the projector can maintain constant brightness (approximate)

<table>
<thead>
<tr>
<th>Brightness Level setting</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>85%</td>
<td>7000 hours</td>
</tr>
<tr>
<td>80%</td>
<td>15000 hours</td>
</tr>
<tr>
<td>70%</td>
<td>25000 hours</td>
</tr>
<tr>
<td>60%</td>
<td>35000 hours</td>
</tr>
<tr>
<td>50%</td>
<td>47000 hours</td>
</tr>
<tr>
<td>40%</td>
<td>66000 hours</td>
</tr>
<tr>
<td>30%</td>
<td>95000 hours</td>
</tr>
</tbody>
</table>

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

Parent topic: Adjusting the Brightness

Adjusting Luminance Controls

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

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

![Image Menu Screen]

4. Select the **Light Source Control** setting and press **Enter**.
   
   You see this screen:

![Light Source Control Screen]

5. Select the **Light Source Control** setting, choose one of the following options, and press **Enter**:
   - **Off**: Turns off light source control.
   - **Dynamic Contrast**: Automatically adjusts the amount of light according to the brightness of the image.
• **Lights-Out Control**: Automatically turns off the light after a certain time has elapsed while projecting at the specified video level.

6. Press the **Esc** button.

7. If you selected **Dynamic Contrast** as the **Light Source Control** setting, select the **Dynamic Contrast** setting, choose one of the following options, and press **Enter**:
   - Select the **Response Speed** setting and select either **Normal** (to adjust brightness at the standard speed) or **High Speed** (to adjust brightness as soon as the scene changes).
   - Select the **Black Level** setting and select the black level you want to project when the brightness level of the image signal is zero. (If you select 0%, the light source turns off.)

8. If you selected **Lights-Out Control** as the **Light Source Control** setting, select the **Lights-Out Control** setting, choose one of the following options, and press **Enter**:
   - Select the **Light-Out Signal Level** setting and select the brightness level for the current video signal. If the brightness level exceeds this level, the light source turns off automatically and then turns back on immediately.
   - Select the **Lights-Out Timer** setting and select the amount of time before the light source automatically turns off.

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

**Parent topic**:  Using Basic Projector Features

### Adjusting Gamma

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

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

1. Turn on the projector and switch to the image source you want to use.
2. Press the **Menu** button.
3. Select the **Image** menu and press **Enter**.
4. Select **Advanced**, select the **Gamma** setting, and press **Enter**.
5. Use the arrow buttons to adjust the value of the **Gamma** setting as follows:
   - To brighten darker areas of the image, select higher gamma values. (Color saturation in the lighter areas may become weaker.)
   - To reduce overall image brightness and sharpen the image, select lower gamma values.
   - If you are projecting using **DICOM SIM** as the **Color Mode** setting, adjust the gamma according to the projection width. If it is less than 150 inches (3.81 m) wide, select a smaller value; if it is wider, select a larger value.

6. To adjust specific tones in the gamma using a graph, select the **Custom** setting and press **Enter**.
   You see a screen like this:
7. Press the left or right arrow button to select the tone you want to change, then press the up or down arrow button to adjust the tone and press **Enter**.

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

**Parent topic:** Using Basic Projector Features

## Setting the Date and Time

You can set the date and time for the projector.

**Note:** If the **Schedule Protection** setting in the Password Protection screen is enabled, you cannot change the date and time settings.

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

You see a screen like this:

```
[Date & Time]  Return
 Date & Time
 Daylight Saving Time
 Daylight Saving Time  Off
 DST Start
 DST End
 DST Adjustment (min)  0
 Internet Time
```

5. Select your date and time settings. Then select **Set** and press **Enter** to confirm your changes.

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

**Date and Time Settings**

**Parent topic:** Using Basic Projector Features

**Related concepts**

**Related concepts**

**Password Security Types**
# Date and Time Settings

<table>
<thead>
<tr>
<th>Settings</th>
<th>Options</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date &amp; Time</td>
<td>Date</td>
<td>Adjusts the projector's date and time settings</td>
</tr>
<tr>
<td></td>
<td>Time</td>
<td>Date and Time: sets the date and time</td>
</tr>
<tr>
<td></td>
<td>Time Difference (UTC)</td>
<td>Time Difference (UTC): sets the time difference from Coordinated Universal Time</td>
</tr>
<tr>
<td>Daylight Saving Time</td>
<td>Daylight Saving Time</td>
<td>Adjusts the daylight saving time settings</td>
</tr>
<tr>
<td></td>
<td>DST Start</td>
<td>Daylight Saving Time: enables or disables daylight saving time</td>
</tr>
<tr>
<td></td>
<td>DST End</td>
<td>DST Start and DST End: sets the date and time to start or end daylight saving time</td>
</tr>
<tr>
<td></td>
<td>DST Adjustment (min)</td>
<td>DST Adjustment (min): sets the difference between standard and daylight saving time</td>
</tr>
<tr>
<td>Internet Time</td>
<td>Internet Time</td>
<td>Automatically adjusts the time through an Internet connection</td>
</tr>
<tr>
<td></td>
<td>Internet Time Server</td>
<td>Internet Time: turn on this setting to update the date and time automatically through an Internet time server</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Internet Time Server: sets the IP address for the Internet time server</td>
</tr>
</tbody>
</table>

Parent topic: Setting the Date and Time
Adjusting Projector Features

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

Shutting Off the Picture Temporarily
Stopping Video Action Temporarily
Projector Security Features
Projecting Two Images Simultaneously
Using Advanced Image Adjustment Features
Using Multiple Projectors
Enabling Protocol Emulation
Saving Settings to Memory and Using Saved Settings
Saving a Scheduled Event
Copying Menu Settings Between Projectors

Shutting Off the Picture Temporarily

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

Note: If the picture is off for more than 2 hours, the power automatically turns off. You can disable the Shutter Timer setting in the Extended Menu to turn off this feature.
1. Press the **Shutter** button on the projector's control panel or remote control to temporarily stop projection.

2. To turn the picture back on, press the **Shutter** button again.

   **Note:** To fade the image in and out when you press the **Shutter** button, turn on the **Fade-out** and **Fade-in** settings in the Extended menu. If you selected **Shutter** as the **Shutter Release** setting in the Extended menu, you can still control the projector while the shutter feature is active.

**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 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

## Projector Security Features

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

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

**Password Security Types**

- Locking the Projector's Lens Settings and Buttons
- Locking the Remote Control Buttons
- Installing a Security Cable

**Parent topic:** Adjusting Projector Features

## Password Security Types

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

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

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

- **Remote Camera Access** password prevents anyone from changing the projector's **Remote Camera Access** settings in the Network menu.

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

### Setting a Password

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

**Parent topic:** Projector Security Features

#### Setting a Password

To use password security, you must set a password.

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

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

![Password Protection menu](image)

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

You see the prompt "Change the password?".
3. Select **Yes** and press **Enter**.

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

![Numeric Keypad](image)

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

5. Enter the password again.

You see the message "Password accepted."

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

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

**Parent topic:** Password Security Types

### Selecting Password Security Types

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

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

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

**Parent topic:** Password Security Types

### Entering a Password to Use the Projector

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

![Password Entry Screen]

You must enter the correct password to use the projector.
1. Press and hold down the **Num** button on the remote control while you enter the password using the numeric buttons.

   ![Numeric buttons](image)

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

   The password screen closes.

2. If the password is incorrect, the following may happen:
   - You see a "wrong password" message and a prompt to try again. Enter the correct password to proceed.
   - If you have forgotten the password, make note of the **Request Code: xxxxx** number that appears on the screen and contact Epson Support.
   - If you enter an incorrect password three times in succession, you see a message telling you that the projector is locked. After the message is displayed for 5 minutes, the projector enters standby mode. Unplug the projector, plug in the power cord, and turn on the projector. You see a prompt to enter the password.
   - If you continue to enter an incorrect password many times in succession, the projector displays a request code and a message to contact Epson Support. Do not attempt to enter the password again. When you contact Epson Support, provide the displayed request code and proof of ownership for assistance in unlocking the projector.

**Parent topic:** Password Security Types

**Related references**

*Where to Get Help*

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

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

1. Display the image you want to project as the User's Logo.
2. Press the **Menu** button, select the **Extended** menu, and press **Enter**.
3. Select the **User's Logo** setting and press **Enter**.
4. Select **Start Setting** and press **Enter**.
   
   You see a prompt asking if you want to use the displayed image as a user's logo.
5. Select **Yes** and press **Enter**.
6. Select the capture size and press **Enter**.
7. Use the arrow buttons on the remote control or control panel 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.
8. 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.
9. Select a zoom percentage and press **Enter**.
   You see a prompt asking if you want to save the image as the User's Logo.

10. Select **Yes** and press **Enter**.
    You see a completion message.

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

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

13. Select **Display** and press **Enter**.

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

**Parent topic:** Password Security Types

**Related tasks**
- Saving Settings to Memory and Using Saved Settings

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**Locking the Projector's Lens Settings and Buttons**

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

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

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

3. Select the **Lock Setting** setting and press **Enter**.

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

4. Select one of these lock types and press **Enter**:
   - To lock the zoom, focus, and lens shift settings, select **Lens Lock**.
   - To lock all buttons, select **Control Panel Lock > Full Lock**.
   - To lock all buttons except the power button, select **Control Panel Lock > Partial Lock**.

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

   You see a confirmation prompt.

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

6. Restart the projector for the lock settings to take effect.

**Unlocking the Projector's Buttons**

**Parent topic:** Projector Security Features
Related tasks
Locking the Remote Control Buttons

Unlocking the Projector's Buttons

If the projector's control panel buttons have been locked, hold the Enter or lock button on the projector’s control panel for seven seconds to unlock them. You can also use the remote control to set the **Control Panel Lock** setting to **Off** in the Settings menu.

If the remote control buttons have been locked, hold the i button on the remote control for 5 seconds to unlock them.

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

**Related references**
Projector Feature Settings - Settings Menu
Projector Parts - Remote Control

**Related tasks**
Locking the Remote Control Buttons

**Locking the Remote Control Buttons**

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

To lock the remote control buttons related to lens operation, turn on the **Lens Lock** setting in the Settings menu.
To lock the remote control buttons shown here, press and hold the i button on the remote control for approximately 5 seconds. (To unlock the buttons, press and hold the i button again for approximately 5 seconds.)

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

**Parent topic:** Projector Security Features

**Related references**

- Projector Feature Settings - Settings Menu

**Related tasks**

- Locking the Projector’s Lens Settings and Buttons
Installing a Security Cable

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

- Use the security slot on the projector to attach a Kensington lock. See your local computer or electronics dealer for purchase information.
- Use both of the drop-prevention wire attachment points to connect a wire to the projector that supports a weight of at least 220.5 lb (100 kg). Secure the wire to the wall, ceiling, or projector mount without leaving any slack in the wire. Check any installation instructions included with the wire.

Parent topic: Projector Security Features

Related references
Projector Parts - Side/Rear
Projector Parts - Base

Projecting Two Images Simultaneously

You can use the split screen feature to simultaneously project two images from different image sources next to each other. You can control the split screen feature using the 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. You cannot project from the same input source onto both sides (left and right) of the screen. You also cannot use split screen with certain input source combinations.
1. Press the **Menu** button.
2. Select the **Settings** menu and press **Enter**.

3. Select **Split Screen** and press **Enter**.
4. Press the **Menu** button.
   
   You see this screen:

   ![Split Screen Setup]

5. 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.)
6. To switch the images, select the **Swap Screens** setting and press **Enter**.
7. 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.

8. To exit the split screen feature, select **Exit Split Screen** or press the **Esc** button.

**Input Sources for Split Screen Projection**

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

   **Note:** If you installed the optional DisplayPort interface board, you also cannot choose the port 1 and port 2 input sources for split screen projection.

<table>
<thead>
<tr>
<th>Left Screen</th>
<th>Right Screen</th>
</tr>
</thead>
<tbody>
<tr>
<td>HDMI</td>
<td>HDBaseT</td>
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<tr>
<td>HDMI</td>
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<tr>
<td>HDBaseT</td>
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<td>DVI-D</td>
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<td>SDI</td>
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<td>Computer</td>
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<tr>
<td>BNC</td>
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<td>LAN</td>
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</tbody>
</table>

**Parent topic:** Adjusting Projector Features

**Related references**

Projector Parts - Interface Ports

**Using Advanced Image Adjustment Features**

Follow the instructions in these sections to use your projector's advanced image adjustments.
Using Frame Interpolation
Creating Image Presets
Using MPEG Noise Reduction
Adjusting Scaled Resolution Images (Super-resolution)
Adjusting Detail Enhancement
Adjusting the Color Convergence (Panel Alignment)
Adjusting the Color Tone (Color Uniformity)
Running Light Source Calibration

Parent topic: Adjusting Projector Features

Using Frame Interpolation

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

You cannot use this feature in any of the following conditions:
• The input signal exceeds 1920 in horizontal resolution
• You selected V-Zoom as the Aspect setting
• You turned on the Edge Blending or Scale settings

1. Press the Menu button.
You see a screen like this:

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

You see a screen like this:

4. Select the level of interpolation and press **Enter**.
5. When you are finished, press the **Menu** button.

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

**Parent topic**: Using Advanced Image Adjustment Features
Creating Image Presets

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

You can save the following settings in a preset:

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

1. Press the **Menu** button.
   
   You see a screen like this:

   ![Image Menu Screen]

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

![Image Preset Mode]

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

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

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

6. Fine-tune the following settings:
   - Frame Interpolation
   - Deinterlacing
   - Noise Reduction
   - MPEG Noise Reduction
   - Super-resolution
   - Detail Enhancement

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

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

**Parent topic:** Using Advanced Image Adjustment Features

### Using MPEG Noise Reduction

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

You cannot use this feature if the input signal exceeds 1920 horizontal resolution.

1. Press the **Menu** button.
You see a screen like this:

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

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

**Parent topic:** Using Advanced Image Adjustment Features

### Adjusting Scaled Resolution Images (Super-resolution)

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

1. Turn on the projector and switch to the image source you want to use.
2. Press the **Menu** button.
You see a screen like this:

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

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

   **Note:** Higher values increase the intensity of the effect.

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

**Parent topic:** Using Advanced Image Adjustment Features

### Adjusting Detail Enhancement

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

1. Turn on the projector and switch to the image source you want to use.
2. Press the Menu button.
   You see a screen like this:

4. Select the Detail Enhancement setting and press Enter.
5. Adjust each of the following options as necessary:
   • Strength to adjust the image contrast
   • Range to adjust the enhanced area of the image

   Note: Higher values increase the intensity of the effect. Depending on the image, you may notice a highlight at the border between colors; if so, select lower values.

6. Press Menu or Esc to exit the menus.

Parent topic: Using Advanced Image Adjustment Features

Adjusting the Color Convergence (Panel Alignment)

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

Note: You can adjust only the red or blue color convergence. Green is the standard color panel and cannot be adjusted.
1. Turn on the projector.
2. Press the Menu button.
3. Select the **Extended** menu and press Enter.
4. Select the **Display** setting and press Enter.

![Menu Settings](image)

5. Select the **Panel Alignment** setting and press Enter.
6. Select the **Panel Alignment** setting again and press Enter.
7. Select **On** and press Enter.
8. Press Esc to return to the previous screen.
9. Select the **Select Color** setting and choose one of the following:
   - R to adjust the red color convergence.
   - B to adjust the blue color convergence.
10. Press Esc to return to the previous screen.
11. Select the **Pattern Color** setting and press Enter.
12. Select the pattern you want to use and press Enter.
13. Press Esc to return to the previous screen.
14. Select **Start Adjustments** and press Enter.
You see this screen:

15. First, select **Shift the whole panel** to adjust the entire panel and press **Enter**.
16. Use the arrow buttons on the remote control to adjust the whole panel and press **Enter**.
17. Next, select **Adjust the four corners** to make finer adjustments and press **Enter**.
18. Use the arrow buttons on the remote control to adjust the color alignment of the color you selected for the **Select Color** setting and press **Enter**.
19. When you are finished adjusting each corner of the screen, press **Enter**.
20. Do one of the following:
   - If your projector’s panel alignment is now correct, select **Exit** and press **Enter** to return to the Panel Alignment menu.
   - If your projector needs additional panel alignment, select **Select intersection and adjust** and press **Enter** to continue making adjustments.

**Parent topic:** Using Advanced Image Adjustment Features

**Adjusting the Color Tone (Color Uniformity)**

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

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

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

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

You see this screen:

5. Press **Enter** and select **On**.

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

![Color Uniformity menu]

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

   **Note:** Adjust the outer areas first, then adjust the entire screen.

11. Select the color (**Red**, **Green**, or **Blue**) you want to adjust, and use the left arrow button to weaken the color tone and the right arrow button to strengthen the color tone.

12. Press **Esc**.

13. Repeat steps 10 and 11 for each area you want to adjust.

14. Repeat steps 7 to 11 for each adjustment level.

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

**Parent topic:** [Using Advanced Image Adjustment Features](#)

### Running Light Source Calibration

Light source calibration automatically adjusts any difference between the white balance and the brightness level of the light source. You should perform light source calibration every 100 hours of projector usage. You can also schedule automatic calibration or run the light source calibration manually using the menus.
Automatic light source calibration may not start in the following conditions:

- Within 30 minutes of turning on the projector.
- When using the Shutter feature or within 30 minutes of releasing the shutter.
- When using direct power shutdown.
- When you have used the projector continuously for over 24 hours.

**Note:** To perform a light source calibration, the projector must have been on for at least 30 minutes and the projector brightness must not be automatically dimmed due to high temperatures.

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

You see a screen like this:

3. Select **Light Source Calibration** and press **Enter**.
4. Select any of the following:
   - To run the light source calibration now, select **Run Now**.
   - To automatically run the light source calibration every 100 hours of projector usage, select **Run Periodically**.
   - To schedule automatic calibration, select **Schedule Settings**.
• **Last Run** displays the last time the projector performed a calibration.

**Note:** If you use the projector continuously for more than 24 hours or use direct shutdown regularly, select **Schedule Settings** to schedule calibration of the light source periodically.

5. When you are finished, select **Return** and press the **Enter** button to return to the Reset menu.

**Parent topic:** Using Advanced Image Adjustment Features

**Related tasks**
- Turning On the Projector
- Turning Off the Projector
- Stopping Video Action Temporarily

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### Using Multiple Projectors

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

**Multiple Projector Adjustment Overview**
- Projector Identification System for Multiple Projector Control
- Tiling Images into One Image
- Blending the Image Edges
- Adjusting the Black Level
- Matching Tint and Brightness (Screen Matching)
- Scaling an Image

**Parent topic:** Adjusting Projector Features

---

#### Multiple Projector Adjustment Overview

If you are combining images from multiple projectors on a network (up to 15), you can assign one projector as the "master" and automatically adjust all the images to match the "master" image. If the projectors are not connected to a network, you can match each projector's images manually.

**Note:** Make sure all networked projectors are connected using LAN cables, have their **DHCP** setting turned on, and have been assigned an IP address. Also disable Sleep Mode on each projector so they do not turn off during adjustment.

1. Turn on all the projectors.
2. To select a master projector for automatic adjustment, select **Custom** for the **Light Source Mode** setting and set the **Brightness Level** setting to the maximum value for all projectors. The projector with the darkest projected image is the master projector.

3. Do one of the following:
   - For automatic adjustment, set an ID for the master projector and the remote control.
   - For manual adjustment, set an ID for each projector and the remote control.

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

5. Do one of the following:
   - For automatic adjustment, configure tiling automatically.
   - For manual adjustment, configure tiling manually.

6. Adjust the image aspect ratio for each projector.

7. Adjust the position of the image for each projector using lens shift.

8. Adjust the zoom and focus for each projector.

9. Adjust small differences in the images using the **Point Correction** setting.

10. Adjust the edges of the images using the **Edge Blending** and **Black Level** settings.

11. Adjust the brightness and tint of the images using the **Screen Matching** setting.

12. Select sections of the images using the **Scale** setting.

**Parent topic:** Using Multiple Projectors

**Related concepts**

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

**Related references**

- Projector Feature Settings - Settings Menu

**Related tasks**

- Changing the Image Aspect Ratio
- Adjusting the Image Position Using Lens Shift
- Resizing the Image with the Zoom Button
- Focusing the Image Using the Focus and Distortion Buttons
- Correcting Image Shape with Point Correction
- Blending the Image Edges
Projector Identification System for Multiple Projector Control

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

**Setting the Projector ID**

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

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

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

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

**Note:** To temporarily display the projector's ID number on the screen, hold down the i button and press the ID button.
Parent topic: Projector Identification System for Multiple Projector Control

Setting the Remote Control ID

The remote control's ID is set to 0 by default so it can operate any compatible projector. If you want to set the remote control to operate only a particular projector, you need to set the remote control's ID to match the projector's ID.

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

2. Set the remote control ID switch to On.

3. Hold down the ID button on the remote control while you press the numeric button that matches the projector's ID. (Enter a two-digit number, such as 01 for projector ID 1.) Then release the buttons.

Note: To temporarily display the projector's ID on the screen, press the i button and press the ID button. If the batteries are left out of the remote control for an extended period, the remote control ID returns to its default setting.

Parent topic: Projector Identification System for Multiple Projector Control
Tiling Images into One Image

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

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

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

Configuring Tiling Automatically
Configuring Tiling Manually

Parent topic: Using Multiple Projectors
1. Turn on the projector.

   **Note:** Make sure nothing is blocking the built-in camera on the front of the projector.

2. Press the **Menu** button.

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

4. Select **Multi-Projection** and press **Enter**.

   You see this screen:

   ![Multi-Projection menu](image)

   - **Image**
   - **Signal**
   - **Settings**
     - **Projector ID**
     - **Projector Grouping**
     - **Tiling**
     - **Geometry Correction**
     - **H/V-Keystone**
     - **Edge Blending**
     - **Black Level**
     - **Scale**
     - **Reset**
   - **Network**
   - **Info**
   - **Reset**

   - **Screen Matching**

5. Select **Projector Grouping** and press **Enter**.
You see a screen like this:

6. Press the up or down arrow buttons to highlight a projector and press Enter to place a checkmark next to each projector you want to use for tiling. Then select Set and press Enter.

7. Select Tiling and press Enter.

8. Select Tiling again and press Enter.


10. Select Location Setup and press Enter.

   The projected images are positioned automatically.

11. When you see the message to assign projector IDs, select Yes.
When setup is complete, you see a screen like this:

![Location Info]

Note: If any of the images are not positioned correctly, set up tiling manually instead.

12. Select the input signal to display an image.
After performing the steps here, adjust the images for any gaps and differences in color.

Note: Do not change any of the projector names or IP addresses, or the images will not be adjusted automatically.

Parent topic: Tiling Images into One Image
Related tasks
Configuring Tiling Manually

Configuring Tiling Manually
If your projectors are not on a network or you were unsuccessful tiling the images automatically, you can configure tiling manually.

1. Turn on the projector.
2. Press the Menu button.
3. Select the Extended menu and press Enter.
4. Select **Multi-Projection > Tiling > Layout**.

5. Select the number of rows and columns you are setting up as the **Row** and **Column** settings. Then select **Set** and press **Enter**.

6. Repeat the previous steps with each projector you are setting up before continuing with the next step.

7. Select **Location Setup** and press **Enter**.

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

9. Repeat the previous step with each projector you are setting up before continuing with the next step.

10. Select the input signal to display an image.

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

**Parent topic:** Tiling Images into One Image

**Related tasks**

Configuring Tiling Automatically

**Blending the Image Edges**

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

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

1. Press the **Menu** button.
2. Select the **Extended** menu and press **Enter**.
3. Select the Multi-Protection setting and press Enter.
4. Select the Edge Blending setting and press Enter.
   You see this screen:

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

6. Select the edge you want to blend on each projector and press Enter.
   You see a screen like this:

7. Select the Blending setting and select On.
8. Press Esc to return to the previous screen.
9. Select the Blend Start Position setting and adjust the point where edge blending begins.
10. Select the **Blend Range** setting and use the arrow buttons to select the width of the blended area so that the displayed guides are at the edges of the overlapping area between the two images.

11. Select the **Blend Curve** setting and select a gradient for the shaded area on the projectors.

12. Press **Esc** to go back to the previous screen.

13. When the edges are blended, turn off the **Line Guide** and **Pattern Guide** settings on each projector to check the final settings.

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

**Parent topic:** Using Multiple Projectors

**Related tasks**

Changing the Color Mode

---

### Adjusting the Black Level

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

![Image of two overlapping images with black level adjustment](image.png)

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

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

4. Select the Black Level setting and press Enter.
   You see this screen:

   ![Black Level Setting]

5. Select the Color Adjustment setting and press Enter.
   You see a screen based on the Top Edge, Bottom Edge, Right Edge, and Left Edge settings you selected for the Edge Blending setting.

   **Note:** The Color Adjustment setting is automatically adjusted when selecting Start Auto Adjustment in the Screen Matching screen.
6. Select the area you want to adjust and press **Enter**.

![Diagram showing areas 1, 2, and 3 with area 1 highlighted in orange.]

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

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

![Color Adjustment screen showing sliders for Red, Green, Blue, and Brightness.]

8. Repeat the previous two steps as needed until all areas match.

9. If the tone of some areas do not match, you can adjust them using the **Area Correction** setting. Continue with the next step. Otherwise, press the **Menu** button to exit.

10. Press the **Esc** button to return to the Black Level screen.

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

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

13. Use the arrow buttons to select a boundary line of the area you want to adjust and press **Enter**.
   The selected line is displayed in orange.

14. Use the arrow buttons to adjust the boundary line position and press the **Enter** button.
15. Use the arrow buttons to select an adjustment point and press the **Enter** button.
   The selected point turns orange.
16. Use the arrow buttons to move the point.

17. To move another point, press the **Esc** button and repeat the previous two steps.

18. To move another boundary line, press the **Esc** button repeatedly until you can select a boundary line.

19. When you are finished, press the **Esc** button until you see a confirmation message. Select **Yes** and press **Enter** to return to the Black Level screen.

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

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

**Parent topic:** Using Multiple Projectors

**Related references**

Projector Feature Settings - Settings Menu

**Related topics**

Matching Tint and Brightness (Screen Matching)

**Matching Tint and Brightness (Screen Matching)**

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

**Note:** Wait 30 minutes after turning on the projector before using the Screen Matching feature and darken the room for maximum accuracy. Brightness decreases over time, so you may need to perform Screen Matching again to correct large differences in brightness.
Matching the Screens Automatically
Matching the Screens Manually
Parent topic: Using Multiple Projectors
Related tasks
Saving a Scheduled Event

Matching the Screens Automatically
You can automatically correct the brightness and tint for multiple projectors based on the brightness and tint settings you selected for the master projector.

Before you start, make sure of the following:

- Select Multi-Protection for the Color Mode setting and adjust the Brightness, Contrast, Color Saturation, Tint, White Balance, and Advanced settings in the Image menu, as necessary, on the master projector.
- You are projecting on a matte white diffusion screen that is flat and even.
- The projected image is between 100 to 300 inches (254 to 762 cm) and is rectangular after tiling.
- All the projectors are connected to a network and the Location Setup setting has been configured.
- Nothing is blocking the built-in camera on the front of each projector.
- The projected images do not overlap or have gaps between them.
- The projectors are installed parallel to the screen.
- The Blend Range setting is set between 15 to 45%.
- All the projectors are the same model.

Note: Auto adjustment is not available for the following lenses: ELPLX02, ELPLX02W, ELPLU04, or ELPLLL08. After auto adjustment, the movement range for lens shift is reduced.

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

![Menu Screen Matching](image)

5. Select **Start Auto Adjustment** press **Enter**.

Select **Yes** when a message appears. When adjustment starts, you see an adjustment pattern. Adjustment is complete when you see a displayed image.

After automatic adjustment, the **Color Uniformity** and **Color Matching** settings are returned to their default values, and the **Light Source Control** setting is turned off. You may have to adjust the **Blend Curve** setting manually if it was not set correctly during automatic adjustment.

**Parent topic:** Matching Tint and Brightness (Screen Matching)

**Related references**

- Image Quality Settings - Image Menu
- Projector Parts - Front/Top

**Related tasks**

- Changing the Color Mode
- Configuring Tiling Automatically
- Blending the Image Edges

**Matching the Screens Manually**

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

1. Press the **Menu** button.
2. Select the **Extended** menu and press **Enter**.
3. Select the **Multi-Projection** setting and press **Enter**.
4. Select the **Screen Matching** setting and press **Enter**.
5. Select the **Color Matching** setting and press **Enter**.
   You see this screen:

   ![Color Matching Screen]

6. Press the left or right arrow buttons to select a value for the **Adjustment Level** setting.
   
   **Note:** There are eight adjustment levels ranging from white to black and you can adjust each level individually.

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

**Parent topic:** Matching Tint and Brightness (Screen Matching)
Scaling an Image

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

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

You see this screen:

5. Select one of the following as the Scale setting:
   - Auto to automatically adjust the clipped areas according to the Edge Blending and Tiling settings you selected
   - Manual to adjust the clipped areas manually

6. Select the Scale Mode setting and select one of these options:
   - Zoom Display to maintain the image aspect ratio as you scale the image
1. Make sure the projector is turned on.
2. Connect a controller to the RS-232C port on the projector.
3. Do one of the following:
   - Press and hold the **Test Pattern** button on the remote control for at least five seconds.
   - Select the **Extended** menu, highlight the **Standby Mode** setting, and hold down the right arrow button on the remote control or projector control panel for at least five seconds.

You see the Protocol Emulation screen.

### Enabling Protocol Emulation

You can use protocol emulation to control your projector with the same RS-232 control codes as those used by the manufacturers of other projectors. This lets you control a group of projectors from a common controller.

1. Make sure the projector is turned on.
2. Connect a controller to the RS-232C port on the projector.
3. Do one of the following:
   - Press and hold the **Test Pattern** button on the remote control for at least five seconds.
   - Select the **Extended** menu, highlight the **Standby Mode** setting, and hold down the right arrow button on the remote control or projector control panel for at least five seconds.

You see the Protocol Emulation screen.
4. Select one of the following and press Enter:
   - **Type P** for Panasonic projectors
   - **Type M** for Mitsubishi projectors
   - **Type N** for NEC projectors
   - **Type S** for Sony projectors
   - **Type SA** for Sanyo projectors

5. Turn the projector off and on again to enable the protocol emulation you selected.

Parent topic: Adjusting Projector Features

Related references
- Projector Parts - Interface Ports
- Projector Setup Settings - Extended Menu

**Saving Settings to Memory and Using Saved Settings**

You can save customized settings and then select the saved settings whenever you want to use them.

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

   ![Memory Settings Menu]

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

5. Select one of the following options:

   - **Memory**: Saves or loads various settings; you can save up to 10 different memories

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

   - **Lens Position**: Saves or loads settings related to the lens such as the lens shift, focus, zoom, and distortion adjustment settings; you can save up to 10 different memories

   - **Geometry Correction**: Saves or loads any adjustments made in the **Geometry Correction** setting in the Settings menu; you can save up to 3 different memories
You see this screen:

![Memory Settings Menu]

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

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

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

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

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

**Parent topic**: Adjusting Projector Features

---

**Saving a Scheduled Event**

You can select projector commands you want to perform and schedule them as an event.
You cannot schedule an event to occur at the following times:

- Five minutes before or after a Color Calibration event
- Five minutes before or 30 minutes after a Screen Matching event

**Note:** Make sure to perform Screen Matching after executing Light Source Calibration.

**Note:** When you have set Light Source Calibration or Screen Matching events and you want to apply this schedule to other projectors with tiling settings, set **Sync Schedule** to **On**.

1. Press the **Menu** button.
2. Select the **Extended** menu and press **Enter**.
3. Select the **Schedule Settings** setting and press **Enter**.
   
   You see a screen like this:

4. Select the **Schedule** or **Extended Schedule** menu and press **Enter**.
5. Select **Add New** and press **Enter**.
6. In the Event Settings section, select the events you want to have occur. (Select **No Change** or Off for events that you do not want to occur.)

   **Note:** In the **Extended Schedule** menu, you can schedule only one event for Color Calibration or Screen Matching.

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

**Viewing Scheduled Events**
**Editing a Scheduled Event**

**Parent topic:** Adjusting Projector Features

**Related tasks**
Running Light Source Calibration

**Related topics**
Matching Tint and Brightness (Screen Matching)

### Viewing Scheduled Events

You can view any currently scheduled events.

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

You see a screen like this:

![Calendar grid with scheduled events]

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

- **Blue**: One-time event
- **Red**: Recurring event
- **Green**: Communication is on/off
Event is invalid

Parent topic: Saving a Scheduled Event

Editing a Scheduled Event

You can edit any currently scheduled event.

1. Press the Menu button.
2. Select the Extended menu and press Enter.
3. Select the Schedule Settings setting and press Enter.
   
   You see a screen like this:

   ![Calendar Menu](image)

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

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

Parent topic: Saving a Scheduled Event

Copying Menu Settings Between Projectors

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

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

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

The following settings will not transfer between projectors:

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

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

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

Parent topic: Adjusting Projector Features
Saving Settings to a USB Flash Drive

You can save the projector settings you want to transfer to a USB flash drive.

**Note:** Use an empty flash drive. If the drive contains other files, the transfer may not complete correctly. The flash drive must use the FAT format and cannot have any security features.

1. Turn off the projector using the power switch.
2. Insert the flash drive into the **USB-A** port.

**Note:** Connect the flash drive directly to the projector. Do not use a hub or your settings may not be saved correctly.
3. Press and hold the Esc button on the control panel or remote control as you turn on the power switch.

4. When the On/Standby and Status lights are blue, and the Laser and Temp lights are orange, release the Esc button.

   The lights flash to indicate that settings are transferring to the flash drive. When the lights stop flashing, the On/Standby light turns blue and the projector enters standby mode.

   **Caution:** Do not unplug the power cord, turn off the power switch, or remove the flash drive while the lights are flashing. This could damage the projector.

5. Once the projector enters standby mode, remove the flash drive.

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

Parent topic: Copying Menu Settings Between Projectors

Related references

Projector Light Status

Transferring Settings from a USB Flash Drive

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

**Note:** Make sure the USB flash drive contains only a single settings transfer from another projector of the same model. The settings are contained in a file called `pjconfdata.bin`. If the drive contains other files, the transfer may not complete correctly.

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

1. Turn off the projector using the power switch.
2. Insert the flash drive into the **USB-A** port.

![USB-A port](image)

**Note:** Connect the flash drive directly to the projector. Do not use a hub or your settings may not be saved correctly.

3. Press and hold the **Menu** button on the control panel or remote control as you turn on the power switch.

![Menu button](image)

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

   The lights flash to indicate that settings are transferring to the projector. When the lights stop flashing, the On/Standby light turns blue and the projector enters standby mode.

   **Caution:** Do not unplug the power cord, turn off the power switch, or remove the flash drive while the lights are flashing. This could damage the projector.

5. Once the projector enters standby mode, remove the flash drive.

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

You can save the projector settings you want to transfer to a computer. Your computer must be running one of the following operating systems:

- Windows Vista
- Windows 7
- Windows 8.x
- Windows 10
- OS X 10.7.x
- OS X 10.8.x
- OS X 10.9.x
- OS X 10.10.x
- OS X 10.11.x
- macOS 10.12.x
- macOS 10.13.x
- macOS 10.14.x

1. Turn off the projector using the power switch.
2. Connect a USB cable to your projector’s Service port.
3. Connect the other end to any available USB port on your computer.

4. Press and hold the Esc button on the control panel or remote control as you turn on the power switch.

![Image of control panel and remote control with Esc button highlighted.]

5. When the On/Standby and Status lights are blue, and the Laser and Temp lights are orange, release the Esc button.

   The projector shows up as a removable disk on your computer.

6. Open the removable disk and copy the `pjconfdata.bin` file to your computer.

7. Once the file has copied, do one of the following:
   - **Windows**: Open the My Computer, Computer, Windows Explorer, or File Explorer utility. Right-click the name of your projector (listed as a removable disk) and select Eject.
   - **Mac**: Drag the removable disk icon for your projector from the desktop into the trash.

   The projector enters standby mode.

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

**Parent topic**: Copying Menu Settings Between Projectors

**Related references**

*Projector Light Status*

### Transferring Settings from a Computer

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

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

- Windows Vista
- Windows 7
- Windows 8.x
- Windows 10
- OS X 10.7.x
- OS X 10.8.x
- OS X 10.9.x
- OS X 10.10.x
- OS X 10.11.x
- macOS 10.12.x
- macOS 10.13.x
- macOS 10.14.x

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

1. Turn off the projector using the power switch.
2. Connect a USB cable to your projector's **Service** port.

3. Connect the other end to any available USB port on your computer.
4. Press and hold the **Menu** button on the control panel or remote control as you turn on the power switch.
5. When the On/Standby and Status lights are blue, and the Laser and Temp lights are orange, release the Menu button.
   The projector shows up as a removable disk on your computer.

6. Copy the pjconfdata.bin file from your computer to the removable disk.

   **Note:** Do not copy any other files to the removable disk.

7. Once the file has copied, do one of the following:
   - **Windows:** Open the My Computer, Computer, Windows Explorer, or File Explorer utility. Right-click the name of your projector (listed as a removable disk) and select Eject.
   - **Mac:** Drag the removable disk icon for your projector from the desktop into the trash.

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

   **Caution:** Do not turn off the power switch or unplug the power cord while the lights are flashing. This could damage the projector.

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

**Parent topic:** Copying Menu Settings Between Projectors

**Related references**

- Projector Light Status
Adjusting the Menu Settings

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

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

Using the Projector's Menus

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

1. Press the Menu button on the control panel or remote control.
You see the menu screen displaying the Image menu settings.

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

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

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

**Parent topic:** Adjusting the Menu Settings
Image Quality Settings - Image Menu

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

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

<table>
<thead>
<tr>
<th>Setting</th>
<th>Options</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color Mode</td>
<td>See the list of available Color Modes</td>
<td>Adjusts the vividness of image colors for various image types and environments</td>
</tr>
<tr>
<td>Brightness</td>
<td>Varying levels available</td>
<td>Lightens or darkens the overall image</td>
</tr>
<tr>
<td>Contrast</td>
<td>Varying levels available</td>
<td>Adjusts the difference between light and dark areas of the image</td>
</tr>
<tr>
<td>Color Saturation</td>
<td>Varying levels available</td>
<td>Adjusts the intensity of the image colors</td>
</tr>
<tr>
<td>Tint</td>
<td>Varying levels available</td>
<td>Adjusts the balance of green to magenta tones in the image</td>
</tr>
<tr>
<td>Setting</td>
<td>Options</td>
<td>Description</td>
</tr>
<tr>
<td>--------------</td>
<td>-------------------------------</td>
<td>---------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
</tbody>
</table>
| Sharpness    | Standard, Thin Line Enhancement, Thick Line Enhancement | Adjusts the sharpness of image details  
**Standard**: adjusts the overall image sharpness  
**Thin Line Enhancement**: enhances fine details such as hair and fabric patterns  
**Thick Line Enhancement**: enhances the outline, background, and main parts of an image to make them more clear |
| White Balance| Color Temp., G-M Correction, Customized | Adjusts the overall tint of the image  
**Color Temp.**: sets the color tone based on color temperature  
**G-M Correction**: higher values tint the image blue and lower values tint the image red  
**Customized**: lets you adjust the offset and gain of each color R (red), G (green), and B (blue) individually |
<table>
<thead>
<tr>
<th>Setting</th>
<th>Options</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Image Enhancement</td>
<td>Image Preset Mode</td>
<td>Selects the image enhancement settings saved in advance</td>
</tr>
<tr>
<td></td>
<td>Frame Interpolation</td>
<td>Smooths fast moving video by comparing consecutive frames and inserting an intermediate frame between them</td>
</tr>
<tr>
<td></td>
<td>Deinterlacing</td>
<td>Sets whether to convert interlaced-to-progressive signals for certain video image types</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Off</strong>: for fast-moving video images</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Video</strong>: for most video images</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Film/Auto</strong>: for movies, computer graphics, and animation</td>
</tr>
<tr>
<td></td>
<td>Noise Reduction</td>
<td>Reduces flickering in analog images</td>
</tr>
<tr>
<td></td>
<td>MPEG Noise Reduction</td>
<td>Reduces the noise or artifacts seen in MPEG video</td>
</tr>
<tr>
<td></td>
<td>Super resolution</td>
<td>Sharpens blurred images resulting from increasing resolution</td>
</tr>
<tr>
<td></td>
<td>Detail enhancement</td>
<td>Enhances details to create clear outlines</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Range</strong>: higher settings increase the affected area around the outline</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Strength</strong>: higher settings create a stronger effect</td>
</tr>
<tr>
<td></td>
<td>Advanced</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Gamma</td>
<td>Adjusts the gamma levels of the image. Select <strong>Customized</strong> to adjust the gamma while viewing the image or a graph.</td>
</tr>
<tr>
<td></td>
<td>RGBCMY</td>
<td>Adjusts the hue, saturation, and brightness for each color</td>
</tr>
<tr>
<td>Setting</td>
<td>Options</td>
<td>Description</td>
</tr>
<tr>
<td>------------------------</td>
<td>--------------------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Dynamic Contrast</td>
<td>Off</td>
<td>Adjusts the luminance of the image to improve contrast by tracking changes in image brightness</td>
</tr>
<tr>
<td></td>
<td>Response Speed</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Black Level</td>
<td></td>
</tr>
<tr>
<td>Light Source Control</td>
<td>Dynamic Contrast</td>
<td>Automatically adjusts the amount of light according to the brightness of the image.</td>
</tr>
<tr>
<td></td>
<td>Lights-Out Control</td>
<td>Automatically turns off the light after a certain time has elapsed while projecting at the specified video level.</td>
</tr>
<tr>
<td>Note: The Brightness setting does not affect laser brightness. To change the laser brightness, use the Brightness Settings in the Settings menu.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Parent topic: Adjusting the Menu Settings</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Related concepts</td>
<td></td>
<td>Using Advanced Image Adjustment Features</td>
</tr>
</tbody>
</table>
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.
<table>
<thead>
<tr>
<th>Setting</th>
<th>Options</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Resolution</td>
<td>Auto</td>
<td>Sets the input signal resolution from an analog RGB computer connection</td>
</tr>
<tr>
<td></td>
<td>Normal</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Wide</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Manual</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Auto</strong>: detects the resolution automatically</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Normal</strong>: for 4:3 or 5:4 screens</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Wide</strong>: for widescreen</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Manual</strong>: lets you specify a resolution</td>
</tr>
<tr>
<td>Aspect</td>
<td>See the list of available aspect ratios</td>
<td>Sets the aspect ratio (width-to-height ratio) for the selected input source</td>
</tr>
<tr>
<td>Tracking</td>
<td>Varying levels available</td>
<td>Adjusts signal to eliminate vertical stripes in images from an analog RGB computer connection</td>
</tr>
<tr>
<td>Sync.</td>
<td>Varying levels available</td>
<td>Adjusts signal to eliminate fuzziness or flickering in images from an analog RGB computer connection</td>
</tr>
<tr>
<td>Position</td>
<td>Up, down, left, right</td>
<td>Adjusts the image location on the screen</td>
</tr>
<tr>
<td>Auto Setup</td>
<td>On</td>
<td>Automatically optimizes image quality from an analog RGB computer connection (when On)</td>
</tr>
<tr>
<td></td>
<td>Off</td>
<td></td>
</tr>
<tr>
<td>Overscan</td>
<td>Auto</td>
<td>Changes the projected image ratio to make the edges visible by a selectable percentage or automatically</td>
</tr>
<tr>
<td></td>
<td>Off</td>
<td></td>
</tr>
<tr>
<td></td>
<td>4%</td>
<td></td>
</tr>
<tr>
<td></td>
<td>8%</td>
<td></td>
</tr>
<tr>
<td>Setting</td>
<td>Options</td>
<td>Description</td>
</tr>
<tr>
<td>--------------</td>
<td>--------------------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Blanking</td>
<td>Top</td>
<td>Hides an area of the projected image that you select using the arrow buttons</td>
</tr>
<tr>
<td></td>
<td>Bottom</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Left</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Right</td>
<td></td>
</tr>
<tr>
<td>Color Space</td>
<td>Auto</td>
<td>Sets the conversion system for the color space</td>
</tr>
<tr>
<td></td>
<td>BT.709</td>
<td>Selecting the incorrect color space for the input source may adversely affect</td>
</tr>
<tr>
<td></td>
<td>BT.2020</td>
<td>the image colors; the recommended setting in most cases is <strong>Auto</strong>.</td>
</tr>
<tr>
<td>Dynamic Range</td>
<td>Dynamic Range</td>
<td><strong>Dynamic Range</strong>: sets the range of dark and bright areas in images; choose</td>
</tr>
<tr>
<td></td>
<td>HDR10 Setting</td>
<td>from <strong>Auto</strong> (recommended), <strong>SDR</strong>, <strong>HDR10</strong>, or <strong>HLG</strong>.</td>
</tr>
<tr>
<td></td>
<td>HLG Setting</td>
<td><strong>HDR10 Setting</strong>: adjusts the curve for the PQ (Perceptual Quantizer) signal</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>HLG Setting</strong>: adjusts the curve for the HDR HLG (Hybrid Log Gamma) signal</td>
</tr>
<tr>
<td>Setting</td>
<td>Options</td>
<td>Description</td>
</tr>
<tr>
<td>-------------------------</td>
<td>-----------------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td><strong>Advanced</strong></td>
<td><strong>Video Range</strong></td>
<td>Sets the video range to match the setting of the device connected to the <strong>HDMI</strong>, <strong>DVI-D</strong>, <strong>HDBaseT</strong>, or <strong>SDI</strong> input ports</td>
</tr>
<tr>
<td><strong>Input Signal</strong></td>
<td></td>
<td>Specifies the signal type from input sources connected to computer ports</td>
</tr>
<tr>
<td></td>
<td><strong>Auto</strong></td>
<td>detects signals automatically</td>
</tr>
<tr>
<td></td>
<td><strong>RGB</strong></td>
<td>corrects color for computer/RGB video inputs</td>
</tr>
<tr>
<td></td>
<td><strong>Component</strong></td>
<td>corrects color for component video inputs</td>
</tr>
<tr>
<td><strong>BNC Sync Termination</strong></td>
<td></td>
<td>Sets the termination for the signal from the <strong>BNC</strong> port (set to <strong>Off</strong> unless you need analog termination, such as for switchers)</td>
</tr>
<tr>
<td><strong>EDID</strong></td>
<td></td>
<td>Describes the projector’s display capabilities to devices connected to the <strong>HDMI</strong>, <strong>HDBaseT</strong>, <strong>DVI-D</strong>, or <strong>DisplayPort</strong> input ports so you can unify multiple displays</td>
</tr>
<tr>
<td><strong>DDC Buffer</strong></td>
<td></td>
<td>If you are projecting using an <strong>HDMI</strong> or <strong>DVI</strong> extension cable and the image is not displayed correctly, enabling this setting may improve image quality</td>
</tr>
<tr>
<td><strong>Scale</strong></td>
<td><strong>Various scale options</strong></td>
<td>When using multiple projectors to project one image, adjusts the scale of the image displayed by each projector</td>
</tr>
</tbody>
</table>

**Parent topic:** [Adjusting the Menu Settings](#)
Related references
Available Image Aspect Ratios
Related tasks
Scaling an Image

**Projector Feature Settings - Settings Menu**

Options on the Settings menu let you customize various projector features.
<table>
<thead>
<tr>
<th>Setting</th>
<th>Options</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Geometry Correction</td>
<td>H/V-Keystone</td>
<td>Adjusts the projected image shape</td>
</tr>
<tr>
<td></td>
<td>Quick Corner</td>
<td><strong>H/V Keystone</strong>: lets you manually correct the angles of the horizontal and vertical sides</td>
</tr>
<tr>
<td></td>
<td>Curved Surface</td>
<td><strong>Quick Corner</strong>: select to adjust the position of the four corners</td>
</tr>
<tr>
<td></td>
<td>Corner Wall</td>
<td><strong>Curved Surface</strong>: select to adjust the image when projecting on a curved surface</td>
</tr>
<tr>
<td></td>
<td>Point Correction</td>
<td><strong>Corner Wall</strong>: select to adjust the image when projecting on a surface with a right angle</td>
</tr>
<tr>
<td></td>
<td>Memory</td>
<td><strong>Point Correction</strong>: select to display a grid and finely adjust the image position</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Memory</strong>: select to save adjustment value of the geometric correction and load it when needed</td>
</tr>
<tr>
<td>Split Screen</td>
<td>—</td>
<td>Divides the viewing area horizontally and displays two images side-by-side</td>
</tr>
<tr>
<td>Lock Setting</td>
<td>Control Panel Lock</td>
<td>Controls projector button locking to secure the projector</td>
</tr>
<tr>
<td></td>
<td>Lens Lock</td>
<td><strong>Control Panel Lock</strong>:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• <strong>Full Lock</strong>: locks all buttons</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• <strong>Partial Lock</strong>: locks all buttons except the power button</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• <strong>Off</strong>: no buttons locked</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Lens Lock</strong>: locks the focus, zoom, and lens shift settings</td>
</tr>
</tbody>
</table>

215
<table>
<thead>
<tr>
<th>Setting</th>
<th>Options</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brightness Settings</td>
<td>Light Source Mode</td>
<td>Selects the brightness mode of the projector</td>
</tr>
</tbody>
</table>
|                       | Brightness Level             | **Light Source Mode**: sets the brightness for the light source  
|                       |                              | • **Normal**: maximum brightness  
|                       |                              | • **Quiet**: 70% brightness with reduced fan noise  
|                       |                              | • **Extended**: 70% brightness and extends the life expectancy of the light source  
|                       |                              | • **Custom**: select a custom brightness level and enable use of next three settings                                                                                                                                 |
|                       | Constant Brightness          | **Brightness Level**: select the Custom brightness level you want  
|                       | Estimated Remains            | **Constant Brightness**: maintains a constant brightness (cannot change the Light Source Mode and Brightness Level settings)  
<p>|                       |                              | <strong>Estimated Remains</strong>: displays how long the projector can maintain constant brightness (if that setting is selected)                                                                 |
| Remote Receiver       | Front/Rear                   | Limits reception of remote control signals by the selected receiver; <strong>Off</strong> turns off all receivers                                                                |
|                       | Front                        |                                                                                                                                                                         |
|                       | Rear                         |                                                                                                                                                                         |
|                       | Off                          |                                                                                                                                                                         |
| User Button           | User1                        | Assigns a menu option to the User1, User2, and User3 buttons on the remote control for one-touch access                                                                        |
|                       | User2                        |                                                                                                                                                                         |
|                       | User3                        |                                                                                                                                                                         |</p>
<table>
<thead>
<tr>
<th>Setting</th>
<th>Options</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Test Pattern</td>
<td>—</td>
<td>Displays a test pattern to assist in adjusting the image; select from a variety of patterns</td>
</tr>
<tr>
<td>Memory</td>
<td>Memory</td>
<td>Save customized sets of settings to memory</td>
</tr>
<tr>
<td></td>
<td>Lens Position</td>
<td><strong>Memory</strong>: loads, saves, erases, or resets specific menu settings</td>
</tr>
<tr>
<td></td>
<td>Geometry Correction</td>
<td><strong>Lens Position</strong>: saves the position of the adjusted lens</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Geometry Correction</strong>: saves the geometry correction adjustments.</td>
</tr>
</tbody>
</table>

Parent topic: Adjusting the Menu Settings

Related concepts

Image Shape

Related tasks

Projecting Two Images Simultaneously

Locking the Projector's Lens Settings and Buttons

Saving Settings to Memory and Using Saved Settings
# Projector Setup Settings - Extended Menu

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

<table>
<thead>
<tr>
<th>Setting</th>
<th>Options</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Display</td>
<td>—</td>
<td>See the Display settings table in this topic</td>
</tr>
<tr>
<td>User's Logo</td>
<td>—</td>
<td>Creates a screen that the projector displays to identify itself and enhance security</td>
</tr>
<tr>
<td>Projection</td>
<td>Front, Front/Ceiling, Rear, Rear Ceiling</td>
<td>Selects the way the projector faces the screen so the image is oriented correctly</td>
</tr>
<tr>
<td>Operation</td>
<td>—</td>
<td>See the Operation settings table in this topic</td>
</tr>
<tr>
<td>Setting</td>
<td>Options</td>
<td>Description</td>
</tr>
<tr>
<td>--------------</td>
<td>-----------------------</td>
<td>-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>A/V Settings</td>
<td>A/V Output</td>
<td>Select <strong>Always On</strong> to set a fixed IP address and move the lens to the home position when the projector is in standby mode (the <strong>Standby Mode</strong> setting must be set to <strong>Communication On</strong>)</td>
</tr>
<tr>
<td>Standby Mode</td>
<td>Communication On</td>
<td>Enable this setting to allow the following operations to occur when the projector is in standby mode:</td>
</tr>
<tr>
<td></td>
<td>Communication Off</td>
<td>• Monitor and control the projector over a network</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Output video to an external device (<strong>A/V Output</strong> must be set to <strong>Always On</strong>)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Communication from the <strong>HDBaseT</strong> port (<strong>Control Communications</strong> must be set to <strong>On</strong> in the <strong>HDBaseT</strong> settings)</td>
</tr>
<tr>
<td>HDBaseT</td>
<td>Control Communications</td>
<td>Selects the communication settings for connections to an <strong>HDBaseT</strong> transmitter or switcher</td>
</tr>
<tr>
<td></td>
<td>Extron XTP</td>
<td><strong>Control Communications</strong>: enables or disables communication from the Ethernet and serial ports on the transmitter; turning on this setting disables the projector's <strong>LAN</strong>, <strong>RS-232C</strong>, and <strong>Remote</strong> ports (<strong>Extron XTP</strong> must be turned off to use this setting)</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Extron XTP</strong>: set to <strong>On</strong> when you connect an <strong>Extron XTP</strong> transmitter or switcher to the <strong>HDBaseT</strong> port</td>
</tr>
<tr>
<td>Setting</td>
<td>Options</td>
<td>Description</td>
</tr>
<tr>
<td>--------------------</td>
<td>--------------------------</td>
<td>---------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>SDI Settings</td>
<td>Link Type</td>
<td>Select the signal settings for the SDI port</td>
</tr>
<tr>
<td></td>
<td>Manual Settings</td>
<td><strong>Link Type:</strong> select <strong>Single (Auto)</strong> to let the projector read the payload ID for the input signal and automatically display the image, or select <strong>Single (Manual)</strong> when you know the type of input signal and want to select the same signal in the <strong>Manual Settings</strong> options</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Manual Settings:</strong> set various SDI settings manually or reset them to their default values.</td>
</tr>
<tr>
<td>Color Calibration</td>
<td>Start Auto Adjustment</td>
<td>Automatically detects color deterioration and adjusts the color tone</td>
</tr>
<tr>
<td></td>
<td>Undo</td>
<td><strong>Start Auto Adjustment:</strong> automatically adjusts the color tone for the whole image</td>
</tr>
<tr>
<td></td>
<td>Redo</td>
<td><strong>Undo</strong> and <strong>Redo:</strong> undoes or redoes the auto adjustment</td>
</tr>
<tr>
<td></td>
<td>Color Uniformity</td>
<td><strong>Color Uniformity:</strong> adjusts the color tone balance for the whole image</td>
</tr>
<tr>
<td>Setting</td>
<td>Options</td>
<td>Description</td>
</tr>
<tr>
<td>------------------------</td>
<td>----------------------------------------------</td>
<td>--------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Multi-Projection</td>
<td>Projector ID, Projector Grouping, Tiling,</td>
<td>Select various options when projecting from multiple projectors</td>
</tr>
<tr>
<td></td>
<td>Geometry Correction, Edge Blending, Black</td>
<td><strong>Projector ID</strong>: sets the projector to a particular ID number which allows you to use a remote</td>
</tr>
<tr>
<td></td>
<td>Level, Scale, Screen Matching</td>
<td>control to individually control projectors</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Projector Grouping</strong>: lets you select the projectors being used to project one image</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Tiling</strong>: sets the number of split screens and the position of each image</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Geometry Correction</strong>: corrects image distortion</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Edge Blending</strong>: blends the border between multiple images to create a seamless screen</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Black Level</strong>: adjusts the brightness and tone differences in overlapping images</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Scale</strong>: adjusts the scale of the images</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Screen Matching</strong>: adjusts the tint and brightness of the images</td>
</tr>
<tr>
<td>Schedule Settings</td>
<td>Various scheduling options</td>
<td>Lets you schedule various projector tasks</td>
</tr>
<tr>
<td>Language</td>
<td>Various languages available</td>
<td>Selects the language for projector menu and message displays (not changed by <strong>Reset</strong> option)</td>
</tr>
</tbody>
</table>

**Display settings**
<table>
<thead>
<tr>
<th>Setting</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Menu Position</td>
<td>Selects the position of the projector menu displayed on the screen</td>
</tr>
<tr>
<td>Message Position</td>
<td>Selects the position of messages displayed on the screen</td>
</tr>
<tr>
<td>Messages</td>
<td>Controls whether messages are displayed on the screen</td>
</tr>
<tr>
<td>Display Background</td>
<td>Selects the screen color or logo to display when no signal is received</td>
</tr>
<tr>
<td>Startup Screen</td>
<td>Controls whether a special screen appears when the projector starts up</td>
</tr>
<tr>
<td>Standby Confirmation</td>
<td>Displays a confirmation message after pressing the Standby button on the remote control</td>
</tr>
<tr>
<td>Air Filter Notice</td>
<td>Displays a message when a clog in the air filter is detected</td>
</tr>
<tr>
<td>Screen</td>
<td>Sets the aspect ratio and position of the projected image according to the type of screen being used</td>
</tr>
<tr>
<td>Panel Alignment</td>
<td>Corrects color misalignment in the projected image</td>
</tr>
<tr>
<td>Color Uniformity</td>
<td>Adjusts the color tone balance</td>
</tr>
<tr>
<td>OSD Rotation</td>
<td>Rotates the menu display 90°</td>
</tr>
</tbody>
</table>

**Operation settings**

<table>
<thead>
<tr>
<th>Setting</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Direct Power On</td>
<td>Turns on the projector when you plug it in</td>
</tr>
<tr>
<td>Sleep Mode</td>
<td>Automatically places the projector in standby mode after an interval of inactivity</td>
</tr>
<tr>
<td>Sleep Mode Timer</td>
<td>Sets the time before the projector automatically turns off (Sleep Mode must be turned on)</td>
</tr>
<tr>
<td>High Altitude Mode</td>
<td>Regulates the projector’s operating temperature at altitudes above 4921 feet (1500 m)</td>
</tr>
<tr>
<td>Startup Source Search</td>
<td>Automatically detects the image signal being input when the projector is turned on</td>
</tr>
<tr>
<td>Setting</td>
<td>Description</td>
</tr>
<tr>
<td>-------------------------</td>
<td>---------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td><strong>Shutter Settings</strong></td>
<td>Adjusts the shutter settings</td>
</tr>
<tr>
<td><strong>Fade-in</strong></td>
<td>sets the number of seconds for a fade-in transition effect when displaying an image</td>
</tr>
<tr>
<td><strong>Fade-out</strong></td>
<td>sets the number of seconds for a fade-out transition effect when hiding an image</td>
</tr>
<tr>
<td><strong>Shutter Timer</strong></td>
<td>turns off the projector automatically after using the shutter and 2 hours of inactivity has passed</td>
</tr>
<tr>
<td><strong>Shutter Release</strong></td>
<td>select <strong>Shutter</strong> if you want to use only the <strong>Shutter</strong> button to turn off the shutter, or select <strong>Any Button</strong> to use any button to turn it off</td>
</tr>
<tr>
<td><strong>Startup</strong></td>
<td>select the shutter status for when you turn on the projector</td>
</tr>
<tr>
<td><strong>Standby</strong></td>
<td>select the shutter status for when the projector is in standby mode or select <strong>Last Used</strong> to maintain the current shutter status when you turn off the projector</td>
</tr>
<tr>
<td><strong>Video Terminal Settings</strong></td>
<td>Enables or disables each video input port</td>
</tr>
<tr>
<td><strong>Advanced</strong></td>
<td>See the next table in this topic</td>
</tr>
<tr>
<td><strong>Date &amp; Time</strong></td>
<td>Adjusts the projector's time and date settings</td>
</tr>
<tr>
<td><strong>Lens Calibration</strong></td>
<td>Displays information about the lens currently in use and lets you start lens calibration</td>
</tr>
</tbody>
</table>

**Advanced settings**

<table>
<thead>
<tr>
<th>Setting</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Beep</strong></td>
<td>Controls the beep that sounds when you turn the projector on or off</td>
</tr>
<tr>
<td><strong>Indicators</strong></td>
<td>Select <strong>Off</strong> to turn off projector lights, except warning lights</td>
</tr>
<tr>
<td><strong>Log Save Destination</strong></td>
<td>Select where you want to save projector operation log files</td>
</tr>
<tr>
<td><strong>Batch Setup Range</strong></td>
<td>Select which projector menu settings to copy using the batch setup feature; select <strong>All</strong> or select <strong>Limited</strong> to not copy the EDID settings or all Network menu settings (except the <strong>Notifications</strong> and <strong>Others</strong> menu settings)</td>
</tr>
<tr>
<td>Setting</td>
<td>Description</td>
</tr>
<tr>
<td>-----------------------------</td>
<td>-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>AC Voltage Monitoring</td>
<td>Select <strong>Off</strong> to regularly use the direct shutdown feature; if you select <strong>On</strong> for this setting and the projector is turned off by any method other than pressing the power button, a power supply voltage warning message is displayed the next time the projector is turned on.</td>
</tr>
<tr>
<td>Lens Type</td>
<td>Select the model number of the lens if you installed any of these lenses: ELPLS04, ELPLU02, ELPLR04, ELPLW04, ELPLM06, ELPLM07, or ELPLL07.</td>
</tr>
</tbody>
</table>

**Parent topic:** Adjusting the Menu Settings

**Related concepts**

Using Multiple Projectors

**Related tasks**

Saving a User's Logo Image to Display
Running Light Source Calibration
Saving a Scheduled Event
Shutting Off the Picture Temporarily
Turning Off the Projector

**Related topics**

Copying Menu Settings Between Projectors
Attaching and Removing a Lens
Projector Network and Camera 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. You can also control access to a remote camera.

<table>
<thead>
<tr>
<th>Setting</th>
<th>Options</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wireless Mode</td>
<td>Wireless LAN On Off</td>
<td>Enable or disable wireless</td>
</tr>
<tr>
<td></td>
<td></td>
<td>communication</td>
</tr>
<tr>
<td>Setting</td>
<td>Options</td>
<td>Description</td>
</tr>
<tr>
<td>-----------------------------</td>
<td>-------------------------------------</td>
<td>--------------------------------------------------</td>
</tr>
<tr>
<td>Net. Info - Wireless LAN</td>
<td>Connection mode</td>
<td>Displays wireless network status and details</td>
</tr>
<tr>
<td></td>
<td>Wireless LAN Sys.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Antenna level</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Projector Name</td>
<td></td>
</tr>
<tr>
<td></td>
<td>SSID</td>
<td></td>
</tr>
<tr>
<td></td>
<td>DHCP</td>
<td></td>
</tr>
<tr>
<td></td>
<td>IP Address</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Subnet Mask</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Gateway Address</td>
<td></td>
</tr>
<tr>
<td></td>
<td>MAC Address</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Region Code</td>
<td></td>
</tr>
<tr>
<td></td>
<td>IPv6</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Net. Info - Wired LAN</td>
<td>Projector Name</td>
<td>Displays wired network status and details</td>
</tr>
<tr>
<td></td>
<td>DHCP</td>
<td></td>
</tr>
<tr>
<td></td>
<td>IP Address</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Subnet Mask</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Gateway Address</td>
<td></td>
</tr>
<tr>
<td></td>
<td>MAC Address</td>
<td></td>
</tr>
<tr>
<td></td>
<td>IPv6 Address (Manual)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>IPv6 Address (Auto)</td>
<td></td>
</tr>
<tr>
<td>Display the QR Code</td>
<td>—</td>
<td>Displays the QR Code</td>
</tr>
<tr>
<td>Network Configuration</td>
<td>Accesses additional network menus</td>
<td>Configures your network settings</td>
</tr>
<tr>
<td>Setting</td>
<td>Options</td>
<td>Description</td>
</tr>
<tr>
<td>--------------------------</td>
<td>--------------------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Remote Camera Access</td>
<td>Remote Camera Access</td>
<td>Enables or disables the remote camera and lets you set a password to limit</td>
</tr>
<tr>
<td></td>
<td>Password</td>
<td>access to changing the remote camera setting or capturing the projected</td>
</tr>
<tr>
<td></td>
<td></td>
<td>image using Web Control</td>
</tr>
</tbody>
</table>

Parent topic: Adjusting the Menu Settings

Related concepts
- Wired Network Projection
- Wireless Network Projection

Related tasks
- Using a QR Code to Connect a Mobile Device
- Viewing an Image Capture of the Displayed Image from a Remote Location

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.
<table>
<thead>
<tr>
<th>Setting</th>
<th>Options</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Projector Info</td>
<td>Operation Hours</td>
<td>Displays the number of hours the projector has been used since it was turned on</td>
</tr>
<tr>
<td>Source</td>
<td></td>
<td>Displays the name of the port to which the current input source is connected</td>
</tr>
<tr>
<td>Input Signal</td>
<td></td>
<td>Displays the input signal setting of the current input source</td>
</tr>
<tr>
<td>Resolution</td>
<td></td>
<td>Displays the resolution of the current input source</td>
</tr>
<tr>
<td>Refresh Rate</td>
<td></td>
<td>Displays the refresh rate of the current input source</td>
</tr>
<tr>
<td>Sync Info</td>
<td></td>
<td>Displays information that may be needed by a service technician</td>
</tr>
<tr>
<td>Color Format</td>
<td></td>
<td>Displays information about the color space and dynamic range</td>
</tr>
<tr>
<td>Status</td>
<td></td>
<td>Displays information about projector problems that may be needed by a service technician</td>
</tr>
<tr>
<td>Serial Number</td>
<td></td>
<td>Displays the projector's serial number</td>
</tr>
<tr>
<td>Lens Type</td>
<td></td>
<td>Displays the model number of the installed lens</td>
</tr>
<tr>
<td>Event ID</td>
<td></td>
<td>Displays the Event ID number corresponding to a specific projector problem; see the list of Event ID codes</td>
</tr>
<tr>
<td>HDBaseT Signal Level</td>
<td></td>
<td>Displays the image signal information from the HDBaseT port</td>
</tr>
<tr>
<td>Setting</td>
<td>Options</td>
<td>Description</td>
</tr>
<tr>
<td>-------------------------</td>
<td>------------------------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Light Source Info</td>
<td>Light Source Hours</td>
<td>Displays the number of operating hours for each of the projector's <strong>Light Source Mode</strong> settings</td>
</tr>
<tr>
<td></td>
<td>Estimated Remains</td>
<td>If the <strong>Constant Brightness</strong> setting is enabled, displays the remaining number of hours the projector can maintain constant brightness</td>
</tr>
<tr>
<td>Version</td>
<td>Main</td>
<td>Displays the projector's firmware information</td>
</tr>
<tr>
<td></td>
<td>Video2</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Sub</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Sub2</td>
<td></td>
</tr>
<tr>
<td></td>
<td>HDBaseT</td>
<td></td>
</tr>
<tr>
<td></td>
<td>HDBaseT2</td>
<td></td>
</tr>
<tr>
<td></td>
<td>SDI</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Status Monitor</td>
<td></td>
</tr>
<tr>
<td></td>
<td>AC Monitor</td>
<td></td>
</tr>
<tr>
<td>Version (Slot)</td>
<td>Slot1</td>
<td>Displays the version information of the interface board connected to the indicated slot</td>
</tr>
<tr>
<td></td>
<td>Slot2</td>
<td></td>
</tr>
<tr>
<td>Status Information</td>
<td>—</td>
<td>Displays basic status information</td>
</tr>
<tr>
<td>Voltage Warning Info</td>
<td>—</td>
<td>Displays power voltage warning information</td>
</tr>
<tr>
<td>Temp Warning Info</td>
<td>—</td>
<td>Displays various high temperature warning information</td>
</tr>
<tr>
<td>Power On/Off History</td>
<td>—</td>
<td>Displays the projector’s power on and power off history</td>
</tr>
</tbody>
</table>

**Event ID Code List**

**Parent topic:** Adjusting the Menu Settings
## Event ID Code List

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

<table>
<thead>
<tr>
<th>Event ID code</th>
<th>Cause and solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>0432</td>
<td>Turn the projector off and then on again.</td>
</tr>
<tr>
<td>0435</td>
<td>Unstable network communication. Check the network communication status, wait a few moments, and try connecting to the network again.</td>
</tr>
<tr>
<td>0482</td>
<td>Cannot display the transferred images. Restart the network software.</td>
</tr>
<tr>
<td>0484</td>
<td>Communication with computer was disconnected. Restart the network software.</td>
</tr>
<tr>
<td>0485</td>
<td>The network software quit unexpectedly. Check the network communication status, then turn the projector off and then on again.</td>
</tr>
<tr>
<td>0479</td>
<td>A projector system error has occurred. Turn the projector off and then on again.</td>
</tr>
<tr>
<td>04FF</td>
<td>Failed to acquire DHCP. Make sure the DHCP server is operating correctly. If you are not using DHCP, turn off the <strong>DHCP</strong> setting in the Network menus.</td>
</tr>
<tr>
<td>0891</td>
<td>Cannot find an access point with the same SSID. Set your computer, access point, and projector to the same SSID.</td>
</tr>
<tr>
<td>0892</td>
<td>The WPA/WPA2 authentication type does not match. Make sure the wireless network security settings are correct.</td>
</tr>
<tr>
<td>0893</td>
<td>The TKIP/AES encryption type does not match. Make sure the wireless network security settings are correct.</td>
</tr>
<tr>
<td>0894</td>
<td>Communication with unauthorized access point was disconnected. Contact your network administrator.</td>
</tr>
<tr>
<td>0898</td>
<td>Communication error. Turn the projector off and then on again.</td>
</tr>
</tbody>
</table>
### Event ID code | Cause and solution
--- | ---
089A | EAP authentication error. Make sure the wireless network security settings are correct.
089B | 
089C | 
089D | 
0920 | The internal power supply is running low. Contact Epson support.

**Parent topic:** [Projector Information Display - Info Menu](#)

**Projector Reset Options - Reset Menu**

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

You can also reset the saved names and settings in the Save Memory list using the **Reset All Memories** option.

To reset all settings to the factory default (except for password protected settings), select the **Reset All (Factory Default)** option. You need to enter a password to reset the settings. The default password is 0000, which you should change to your own password.

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

- Input Signal
- Memory
• User’s Logo
• Network menu items
• Language
• Date & Time
• Panel Alignment
• Color Uniformity
• Lens Calibration
• Color Calibration
• Projector Grouping
• Screen Matching
• Color Matching

Parent topic: Adjusting the Menu Settings

Related references
Projector Network and Camera Settings - Network Menu

Related tasks
Saving Settings to Memory and Using Saved 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 air filter and remote control batteries. If any other part needs replacing, contact Epson or an authorized Epson servicer.
This projector uses a sealed laser light source which does not need servicing and cannot be replaced.

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

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

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

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

**Related tasks**

Turning Off the Projector

Cleaning the Lens

Clean the projector's lens periodically, or whenever you notice dust or smudges on the surface.
• To remove dust or smudges, gently wipe the lens with lens-cleaning paper.
• To remove stubborn smudges, moisten a soft, lint-free cloth with lens cleaner and gently wipe the lens. Do not spray any liquid directly on the lens.

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

**Caution:** Do not use glass cleaner or any harsh materials to clean the lens and do not subject the lens to any impacts; you may damage it. Do not use canned air, or the gases may leave a residue. Avoid touching the lens with your bare hands to prevent fingerprints on or damage to the lens surface.

**Parent topic:** Projector Maintenance

### Cleaning the Projector Case

Before cleaning the projector case, turn off the projector, wait for it to beep, and unplug the power cord.

• To remove dust or dirt, use a soft, dry, lint-free cloth.

• To remove stubborn dirt, use a soft cloth moistened with water and mild soap. Do not spray liquid directly on the projector.

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

**Parent topic:** Projector Maintenance

**Related tasks**

- Turning Off the Projector

### Air Filter and Vent Maintenance

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

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

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

**Cleaning the Air Filters and Air Intake Vents**
Replacing the Air Filters

Parent topic: Projector Maintenance

Related references

Projector Light Status

Cleaning the Air Filters and Air Intake Vents

You need to clean the projector's air filters and air intake vents in the following situations:

- The filters or vents get dusty.
- You see a message telling you to clean it.

**Note:** To receive air filter notifications, make sure the Air Filter Notice setting is set to On in the Extended menu Display settings.

- The projector's Filter light flashes orange.

**Note:** The projector has two air filters on the front. The illustrations here show cleaning the air filter on the right, but the steps are the same to clean either filter.

1. Turn off the projector, wait for the projector to beep, and unplug the power cord.
2. Loosen the screw securing the air filter cover and open the air filter cover as shown. (It is attached with a cord.)

3. Grasp the tab on the air filter and pull it out of the projector.
4. Tap each side of the air filter 4 to 5 times to shake off any excess dust.

Caution: Do not use excessive force when tapping the air filter, or it may crack and become unusable. Do not rinse the air filter in water, or use any detergent or solvent to clean it. Do not use canned air; the gases may leave a residue, or push dust and debris into the projector's optics or other sensitive areas.

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

Note: If dust is difficult to remove or the air filter is damaged, replace the air filter.
6. Place the air filter back in the projector as shown and push gently until it clicks into place.

7. Insert the tabs on the right side of the air filter cover into the notches in the projector. Then close the air filter cover and tighten the screw to secure it.

8. Repeat these steps to clean the other air filter.
9. Use a vacuum cleaner or soft, long-bristle brush to carefully remove dust from the air intake vents on the side and bottom of the projector.

Note: Clean the projector's air intake vents periodically, or whenever you notice dust on the side or bottom of the projector.

Parent topic: Air Filter and Vent Maintenance
Related references
Projector Light Status
Projector Setup Settings - Extended Menu
Related tasks
Replacing the Air Filters

Replacing the Air Filters
You need to replace the air filters in the following situations:
• After cleaning an air filter, you see a message telling you to clean or replace it.
• An air filter is torn or damaged.
**Note:** To receive air filter notifications, make sure the **Air Filter Notice** setting is set to **On** in the Extended menu **Display** settings.

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

**Note:** The projector has two air filters. The illustrations here show replacing the air filter on the right, but the steps are the same to replace either filter.

1. Turn off the projector, wait for the projector to beep, and unplug the power cord.
2. Loosen the screw securing the air filter cover and open the air filter cover as shown. (It is attached with a cord.)
3. Grasp the tab on the air filter and pull it out of the projector.

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

4. Place the new air filter in the projector as shown and push gently until it clicks into place.
5. Insert the tabs on the right side of the air filter cover into the notches in the projector. Then close the cover and tighten the screw securing it.

6. Repeat these steps to replace the other air filter.

Parent topic: Air Filter and Vent Maintenance
Related references
Projector Setup Settings - Extended Menu

Replacing the Remote Control Batteries

The remote control uses two AA manganese or alkaline batteries. Replace the batteries as soon as they run out.

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

2. Remove the old batteries.

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

3. Insert the batteries with the + and – ends facing as shown.
4. Replace the battery cover and press it down until it clicks into place.

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

**Parent topic:** Projector Maintenance

**Transporting the Projector**

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

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

**Warning:** When moving the projector, do not hold the lens replacement cover. It may come off and the projector may fall, which could cause an injury.

1. Turn the projector off, wait for it to beep, and remove any equipment connected to the projector.
2. If you are packing the projector to transport it a long distance, remove the lens unit and attach the cap for the lens cover.
3. To lift or lower the projector, install four commercially available eye bolt screws M6 (up to a depth of 27 mm) to the screw thread holes in each corner of the projector. Attach straps or chains to the
screws and make sure the angle of the strap is 60 degrees or more when lifting or lowering the projector.

**Caution:** Do not lift the projector with the front, back, or side of the projector facing up.

![Image of projector with angle notation]

**Caution:** Do not use the eye bolt screws for permanent installation as this can cause damage.

4. Do one of the following:
   - When transporting the projector a long distance or as checked luggage, pack it in a firm box with cushioning around it and mark the box "Fragile."
   - When shipping the projector for repairs, place it in its original packing materials, if possible, or use equivalent materials with cushioning around the projector. Mark the box "Fragile."

**Note:** Epson shall not be liable for any damages incurred during transportation.
Parent topic: Maintaining and Transporting the Projector
Related tasks
Turning Off the Projector
Removing a Lens
Solving Problems

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

Projection Problem Tips
Projector Light Status
Viewing Projector Status Information
Using the Projector Help Displays
Solving Image Problems
Solving Projector or Remote Control Operation Problems
Solving Network Problems
Where to Get Help

Projection Problem Tips

If the projector is not working properly, try turning it off and unplugging it. Then plug it back in and turn it on.

If this does not solve the problem, check the following:

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

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

Parent topic: Solving Problems

Related references
Projector Light Status
Where to Get Help

Related tasks
Using the Projector Help Displays
Viewing Projector Status Information
Projector Light Status

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

<table>
<thead>
<tr>
<th>On/Standby (power) light</th>
<th>Status light</th>
<th>Laser light</th>
<th>Temp light</th>
<th>Filter light</th>
<th>Status and solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blue</td>
<td>Off</td>
<td>Off</td>
<td>Off</td>
<td>Off</td>
<td>Projector is in standby mode or network monitoring and control is in progress.</td>
</tr>
<tr>
<td>Blue</td>
<td>Flashing blue</td>
<td>Varies</td>
<td>Off</td>
<td>Off</td>
<td>Warming up. Wait for an image to appear.</td>
</tr>
<tr>
<td>Blue</td>
<td>Blue</td>
<td>Varies</td>
<td>Off</td>
<td>Off</td>
<td>Normal operation.</td>
</tr>
<tr>
<td>On/Standby (power) light</td>
<td>Status light</td>
<td>Laser light</td>
<td>Temp light</td>
<td>Filter light</td>
<td>Status and solution</td>
</tr>
<tr>
<td>-------------------------</td>
<td>--------------</td>
<td>-------------</td>
<td>------------</td>
<td>-------------</td>
<td>---------------------</td>
</tr>
<tr>
<td>Blue</td>
<td>Blue</td>
<td>Flashing orange fast</td>
<td>Off</td>
<td>Off</td>
<td>Projector is connected to a 110 V power source and the laser is operating at approximately 55% of available power. For optimal performance, connect the projector to a 220 V power source using the 220 V power cord that came with the projector.</td>
</tr>
<tr>
<td>Blue</td>
<td>Flashing blue</td>
<td>Off</td>
<td>Off</td>
<td>Off</td>
<td>Cooling down. All buttons are disabled.</td>
</tr>
<tr>
<td>Flashing blue</td>
<td>Off</td>
<td>Off</td>
<td>Off</td>
<td>Off</td>
<td>Preparing network monitoring. (Wait for the light to remain orange before unplugging the projector.)</td>
</tr>
<tr>
<td>Blue</td>
<td>Blue</td>
<td>Flashing blue</td>
<td>Off</td>
<td>Off</td>
<td>The shutter feature is enabled.</td>
</tr>
<tr>
<td>Off</td>
<td>Flashing blue</td>
<td>Flashing orange</td>
<td>Off</td>
<td>Off</td>
<td>Internal error. Turn off the projector, unplug the power cord, and contact Epson for help.</td>
</tr>
<tr>
<td>Off</td>
<td>Flashing blue</td>
<td>Off</td>
<td>Flashing orange</td>
<td>Off</td>
<td>A fan or sensor has a problem. Turn off the projector, unplug the power cord, and contact Epson for help.</td>
</tr>
<tr>
<td>On/Standby (power) light</td>
<td>Status light</td>
<td>Laser light</td>
<td>Temp light</td>
<td>Filter light</td>
<td>Status and solution</td>
</tr>
<tr>
<td>-------------------------</td>
<td>--------------</td>
<td>------------</td>
<td>------------</td>
<td>--------------</td>
<td>---------------------</td>
</tr>
</tbody>
</table>
| Off                     | Flashing blue| Off        | Orange     | Off          | Projector is too hot. Wait for about five minutes so the projector can switch to standby mode. Then check the following:  
• Make sure that the vents and air filter are not clogged with dust or obstructed by nearby objects.  
• Clean or replace the air filter.  
• Make sure the environmental temperature is not too hot.  
• If operating the projector at high altitude, turn on **High Altitude Mode**.  
• If the problem persists, unplug the projector and contact Epson for help. |
| Off                     | Flashing blue| Orange     | Off        | Off          | Laser error.  
• Make sure that the vents and air filter are not clogged with dust or obstructed by nearby objects.  
• Clean or replace the air filter.  
• If the problem persists, unplug the projector and contact Epson for help. |
| Off                     | Flashing blue| Off        | Off        | Orange       | Low air flow through the projector.  
• Make sure that the vents and air filter are not clogged with dust or obstructed by nearby objects.  
• Clean or replace the air filter.  
• If the problem persists, unplug the projector and contact Epson for help. |
<table>
<thead>
<tr>
<th>On/Standby (power) light</th>
<th>Status light</th>
<th>Laser light</th>
<th>Temp light</th>
<th>Filter light</th>
<th>Status and solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Off</td>
<td>Off</td>
<td>Orange</td>
<td>Orange</td>
<td>Off</td>
<td>No lens installed, or lens shift or supply voltage error. Remove and reinstall the lens. If the problem persists, turn off the projector, unplug the power cord, and contact Epson for help.</td>
</tr>
<tr>
<td>Off</td>
<td>Flashing blue</td>
<td>Flashing orange</td>
<td>Flashing orange</td>
<td>Off</td>
<td>Shutter error. Turn off the projector, unplug the power cord, and contact Epson for help.</td>
</tr>
</tbody>
</table>
| Flashing blue           | Varies       | Varies      | Flashing orange | Varies       | High temperature warning. If the temperature gets too high, projection will automatically stop.  
  • Make sure that the vents and air filter are not clogged with dust or obstructed by nearby objects.  
  • Make sure the environmental temperature is not too hot.  
  • Clean or replace the air filter. |
<p>| Varies                  | Varies       | Varies      | Varies     | Flashing orange | Clean the air filter. |
| Flashing blue           | Varies       | Flashing orange | Varies     | Varies       | Laser warning. Turn off the projector, unplug the power cord, and contact Epson for help. |
| Flashing blue           | Varies       | Flashing orange | Varies     | Varies       | An unsupported lens is attached. Attach only a supported lens. |
| Flashing blue           | Varies       | Flashing orange | Flashing orange | Varies       | Shutter error. Turn off the projector, unplug the power cord, and contact Epson for help. |</p>
<table>
<thead>
<tr>
<th>On/Standby (power) light</th>
<th>Status light</th>
<th>Laser light</th>
<th>Temp light</th>
<th>Filter light</th>
<th>Status and solution</th>
</tr>
</thead>
</table>
| Flashing blue           | Varies       | Varies      | Varies     | Orange       | Low air flow through the air filter.  
  • Make sure that the vents and air filter are not clogged with dust or obstructed by nearby objects.  
  • Clean or replace the air filter.  
  • If the problem persists, unplug the projector and contact Epson for help. |
| Varies                  | Varies       | Flashing orange | Varies     | Varies       | End of Constant Brightness mode. |
| Varies                  | Off          | Flashing orange fast | Flashing orange fast | Varies       | When performing batch setup using a USB flash drive, the setup file may be corrupt or the USB flash drive may not be connected correctly. Remove the USB flash drive, turn off the projector and unplug the power cord, then plug the power cord back in, turn on the projector, and try again. |
| Flashing blue fast      | Off          | Flashing orange fast | Flashing orange fast | Flashing blue fast | When performing batch setup, an error may have occurred when writing the settings. Turn off the projector, unplug the power cord, and contact Epson for help. |

<table>
<thead>
<tr>
<th>LAN light</th>
<th>WLAN light</th>
<th>Status and solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blue</td>
<td>—</td>
<td>You can use a wired LAN or HDBaseT transmitter</td>
</tr>
<tr>
<td>Off</td>
<td>—</td>
<td>Cannot use wired LAN or HDBaseT transmitter. Check the LAN cable connection and your LAN or HDBaseT transmitter settings.</td>
</tr>
<tr>
<td>—</td>
<td>Blue</td>
<td>Wireless LAN is available.</td>
</tr>
<tr>
<td>LAN light</td>
<td>WLAN light</td>
<td>Status and solution</td>
</tr>
<tr>
<td>----------</td>
<td>-----------------</td>
<td>----------------------------------------------------------</td>
</tr>
<tr>
<td>—</td>
<td>Flashing blue quickly</td>
<td>Connecting to a device.</td>
</tr>
<tr>
<td>—</td>
<td>Flashing blue slowly</td>
<td>Wireless error. Turn the projector off and then on again.</td>
</tr>
<tr>
<td>—</td>
<td>Off</td>
<td>Wireless LAN is unavailable. Check your wireless LAN settings.</td>
</tr>
</tbody>
</table>

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

**Parent topic:** Solving Problems

**Related concepts**
- Air Filter and Vent Maintenance
- Wired Network Projection
- Wireless Network Projection

**Related references**
- Projector Setup Settings - Extended Menu
- Optional Equipment and Replacement Parts
- Projector Feature Settings - Settings Menu
- Where to Get Help

**Related tasks**
- Turning On the Projector
- Shutting Off the Picture Temporarily
- Turning Off the Projector

**Related topics**
- Attaching and Removing a Lens
- Copying Menu Settings Between Projectors

## Viewing Projector Status Information

You can monitor the projector's status and view error information on the LCD screen.

**Note:** You can also view the projector's status in the Info menu. Press the i button on the remote control and select **Status Information**.
1. Turn on the projector.
2. Press the light button on the control panel.
3. Press the left or right arrow button to view different categories of information.

- **Status Information**: the projector's operating status
- **Source**: input signal information
- **Signal Information**: input digital signal information
- **Network Wired**: wired LAN settings
- **Network Wireless**: wireless LAN settings
- **Maintenance**: operating time for the projector and light source
- **Version**: projector's firmware version
- **Setting**: lets you adjust the LCD screen contrast and the length of time the screen remains lit when you press the light button
4. Press the up or down arrow button to scroll through the information on the screen.
### Projector Status Display Messages

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

**Status Information category**

<table>
<thead>
<tr>
<th>Information</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>System</td>
<td>See the System status information table at the end of this topic</td>
</tr>
<tr>
<td>Last Warn/Err</td>
<td>Displays the most recent warnings and errors displayed by the projector</td>
</tr>
<tr>
<td>Source</td>
<td>Displays the source currently being used</td>
</tr>
<tr>
<td>On-Screen Display</td>
<td>Displays the settings for on-screen displays. When turned off, menus or messages are not displayed on the projected images</td>
</tr>
<tr>
<td>Shutter</td>
<td>Displays the shutter status</td>
</tr>
<tr>
<td>Shutter Startup</td>
<td>Displays the shutter <strong>Startup</strong> settings</td>
</tr>
<tr>
<td>Shutter Standby</td>
<td>Displays the shutter <strong>Standby</strong> settings</td>
</tr>
<tr>
<td>Intake Air Temp</td>
<td>Displays the air intake temperature</td>
</tr>
<tr>
<td>Internal Temp Lv</td>
<td>Displays the projector's internal temperature</td>
</tr>
<tr>
<td>AC Voltage</td>
<td>Displays warnings and errors that have occurred when the <strong>AC Voltage Monitoring</strong> setting is turned on</td>
</tr>
<tr>
<td>Laser Status</td>
<td>Displays the operating status of the light source</td>
</tr>
</tbody>
</table>
### Information

<table>
<thead>
<tr>
<th>Information</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SLOT1 Model</td>
<td>Displays the name of the interface board installed in Slot 1.</td>
</tr>
<tr>
<td>SLOT1 Condition</td>
<td>Displays the status of the interface board installed in Slot 1.</td>
</tr>
<tr>
<td>SLOT1 Board ID</td>
<td>Displays the ID of the interface board installed in Slot 1.</td>
</tr>
<tr>
<td>SLOT1 Board Ver</td>
<td>Displays the version of the interface board installed in Slot 1.</td>
</tr>
<tr>
<td>SLOT2 Model</td>
<td>Displays the name of the interface board installed in Slot 2.</td>
</tr>
<tr>
<td>SLOT2 Condition</td>
<td>Displays the status of the interface board installed in Slot 2.</td>
</tr>
<tr>
<td>SLOT2 Board ID</td>
<td>Displays the ID of the interface board installed in Slot 2.</td>
</tr>
<tr>
<td>SLOT2 Board Ver</td>
<td>Displays the version of the interface board installed in Slot 2.</td>
</tr>
</tbody>
</table>

### Source category

<table>
<thead>
<tr>
<th>Information</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Source</td>
<td>Displays the source currently being used</td>
</tr>
<tr>
<td>Resolution</td>
<td>Displays the resolution of the current input signal</td>
</tr>
<tr>
<td>Color Space</td>
<td>Displays the color space of the current input signal</td>
</tr>
<tr>
<td>H-Frequency</td>
<td>Displays the horizontal frequency of the current input signal</td>
</tr>
<tr>
<td>V-Frequency</td>
<td>Displays the vertical frequency of the current input signal</td>
</tr>
<tr>
<td>Sync Polarity</td>
<td>Displays the sync polarity</td>
</tr>
<tr>
<td>Sync Mode</td>
<td>Displays the sync type</td>
</tr>
<tr>
<td>Detected Mode</td>
<td>Displays the detected mode of the current input signal</td>
</tr>
<tr>
<td>Information</td>
<td>Description</td>
</tr>
<tr>
<td>-------------</td>
<td>-------------</td>
</tr>
<tr>
<td>Transport</td>
<td>Displays the scanning method</td>
</tr>
<tr>
<td>Video Range</td>
<td>Displays the video range of the projector</td>
</tr>
</tbody>
</table>

**Signal Information category**

<table>
<thead>
<tr>
<th>Information</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>5V Detect</td>
<td>Displays the detection results of 5V signals</td>
</tr>
<tr>
<td>TMDS Clock</td>
<td>Displays the TMDS frequency of the current input signal</td>
</tr>
<tr>
<td>H-Frequency</td>
<td>Displays the horizontal frequency of the current input signal</td>
</tr>
<tr>
<td>V-Frequency</td>
<td>Displays the vertical frequency of the current input signal</td>
</tr>
<tr>
<td>Stable Time</td>
<td>Displays the amount of operating time since the input source was determined</td>
</tr>
<tr>
<td>HDCP Status</td>
<td>Displays the HDCP status</td>
</tr>
<tr>
<td>HDCP Ver</td>
<td>Displays the HDCP version</td>
</tr>
<tr>
<td>AVI VIC</td>
<td>Displays the VIC information (AVI) of the current input signal</td>
</tr>
<tr>
<td>AVI Sampling Str</td>
<td>Displays color sampling for AVI</td>
</tr>
<tr>
<td>Signal Mode</td>
<td>Displays the signal mode</td>
</tr>
<tr>
<td>Color Space</td>
<td>Displays the color space conversion method</td>
</tr>
<tr>
<td>HDR Mode</td>
<td>Displays the HDR mode</td>
</tr>
<tr>
<td>EDID Mode</td>
<td>Displays the EDID mode</td>
</tr>
<tr>
<td>HDBaseT Level</td>
<td>Displays the image signal from the HDBaseT port</td>
</tr>
<tr>
<td>SDI Link Mode</td>
<td>Displays the linking type for SDI</td>
</tr>
<tr>
<td>Sync Detect</td>
<td>Displays the results of signal detection for each SDI port</td>
</tr>
<tr>
<td>PayloadID Detect</td>
<td>Displays the results of SDI payload ID detection</td>
</tr>
<tr>
<td>Information</td>
<td>Description</td>
</tr>
<tr>
<td>------------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Resolution</td>
<td>Displays the resolution</td>
</tr>
<tr>
<td>Refresh Rate</td>
<td>Displays the refresh rate for SDI</td>
</tr>
<tr>
<td>Color Sampling</td>
<td>Displays the color sampling</td>
</tr>
<tr>
<td>Pixel Depth</td>
<td>Displays the color depth for SDI</td>
</tr>
<tr>
<td>SDI Type</td>
<td>Displays the type for SDI</td>
</tr>
<tr>
<td>Division Type</td>
<td>Displays the split transmission method for SDI</td>
</tr>
<tr>
<td>3G Mapping Level</td>
<td>Displays the mapping level for 3G-SDI</td>
</tr>
</tbody>
</table>

**Network Wired category**

<table>
<thead>
<tr>
<th>Information</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Projector Name</td>
<td>Displays the name used to identify the projector when connected to a network</td>
</tr>
<tr>
<td>Connection Mode</td>
<td>Displays the connection path for the LAN</td>
</tr>
<tr>
<td>DHCP</td>
<td>Displays the DHCP display settings</td>
</tr>
<tr>
<td>IP Display</td>
<td>Displays the IP address display settings</td>
</tr>
<tr>
<td>IP Address</td>
<td>Displays the IP address</td>
</tr>
<tr>
<td>MAC Address</td>
<td>Displays the MAC address</td>
</tr>
</tbody>
</table>

**Network Wireless category**

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

**Maintenance category**

<table>
<thead>
<tr>
<th>Information</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operation Time</td>
<td>Displays the projector's total operation time</td>
</tr>
<tr>
<td>Laser Op. Time</td>
<td>Displays the laser operating time for each Light Source Mode setting</td>
</tr>
<tr>
<td>Service Info LBL</td>
<td>Displays information for the light source</td>
</tr>
</tbody>
</table>

**Version category**

<table>
<thead>
<tr>
<th>Information</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Serial No.</td>
<td>Displays the projector's serial number</td>
</tr>
<tr>
<td>Main</td>
<td>Display the projector's firmware version information</td>
</tr>
<tr>
<td>Video2</td>
<td></td>
</tr>
<tr>
<td>Sub</td>
<td></td>
</tr>
<tr>
<td>Sub2</td>
<td></td>
</tr>
<tr>
<td>HDBaseT</td>
<td></td>
</tr>
<tr>
<td>Status Monitor</td>
<td></td>
</tr>
</tbody>
</table>

**System status information**

<table>
<thead>
<tr>
<th>Status</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>OK</td>
<td>The projector is in normal operating mode</td>
</tr>
<tr>
<td>Warm-up</td>
<td>The projector is warming up</td>
</tr>
</tbody>
</table>
### Status and Description

<table>
<thead>
<tr>
<th>Status</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standby</td>
<td>The projector is in standby mode</td>
</tr>
<tr>
<td>Cool Down</td>
<td>The projector is cooling down</td>
</tr>
<tr>
<td>Temp Error</td>
<td>A high temperature error occurred</td>
</tr>
<tr>
<td>Fan Error</td>
<td>A fan error occurred</td>
</tr>
<tr>
<td>Sensor Error</td>
<td>A sensor error occurred</td>
</tr>
<tr>
<td>Internal Error</td>
<td>An internal error occurred</td>
</tr>
<tr>
<td>Airflow Error</td>
<td>A filter airflow error occurred</td>
</tr>
<tr>
<td>Temp Warning</td>
<td>A high temperature warning occurred</td>
</tr>
<tr>
<td>Internal Warning</td>
<td>A warning regarding the internal system occurred</td>
</tr>
<tr>
<td>Airflow Decline</td>
<td>A low airflow error occurred</td>
</tr>
<tr>
<td>Clean Filter</td>
<td>An air filter notice occurred; clean the air filter</td>
</tr>
<tr>
<td>Lens Error</td>
<td>A lens error has occurred</td>
</tr>
<tr>
<td>Laser Error</td>
<td>A laser error has occurred</td>
</tr>
<tr>
<td>Laser Warning</td>
<td>A laser warning has occurred</td>
</tr>
</tbody>
</table>

**Parent topic:** Viewing Projector Status Information

---

### Using the Projector Help Displays

You can display information to help you solve common problems using the projector’s Help system.

**Note:** Before using the Help system, assign **Help** to one of the **User** buttons.

1. Turn on the projector.
2. Press the **User** button assigned to **Help**.
   
   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 the **Menu** button.

**Parent topic:** Solving Problems

**Related references**
Projector Feature Settings - Settings Menu

**Solving Image Problems**
Check the solutions in these sections if you have any problems with projected images.

**Solutions When No Image Appears**
If no image appears, try the following solutions:
   • Make sure the lens cap is off.
   • Press the **Shutter** button on the remote control to see if the image was temporarily turned off.
   • Make sure all necessary cables are securely connected and the power is on for the projector and connected video sources.
   • Make sure the image being projected is not completely black (only when projecting computer images).
   • Press the projector's power button to wake it from standby or sleep mode. Also see if your connected computer is in sleep mode or displaying a blank screen saver.
   • Press the **Menu** button. If the projector menu displays, there may be a problem with the connected video source, cable connection, or port.

**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 Automatic Adjustments are not Applied Correctly**

**Parent topic:** Solving Problems
• Check the settings on the Signal menu to make sure they are correct for the current video source. If you are using the SDI In port, make sure the **SDI Settings** options are set correctly on the Extended menu.

• Adjust the **Brightness Settings**.

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

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

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

• If you are projecting from a laptop computer, make sure it is set up to display on an external monitor.

• If you are using other display equipment with the projector, make sure the **EDID** settings are set correctly on the Signal menu. You may need to disconnect the other equipment and select **EDID** settings again.

• If you connected an external monitor to the projector and nothing appears on it, make sure the projector is not in standby mode. Also make sure you connected the external monitor to the correct port for your video source.

• If the other solutions do not solve the problem, reset all of the projector settings using the options on the **Reset** menu.

**Parent topic:** Solving Image Problems

**Related concepts**

Projector Connections

**Related references**

- Input Signal Settings - Signal Menu
- Projector Setup Settings - Extended Menu
- Projector Reset Options - Reset Menu

**Related tasks**

- Shutting Off the Picture Temporarily
- Connecting to an External Computer Monitor

### Solutions When "No Signal" Message Appears

If the "No Signal" message appears, try the following solutions:

• Press the **Search** button on the remote control and wait a few seconds for an image to appear. You can also press the source button for the video source on the projector's control panel or remote control.
• Turn on the connected computer or video source, and press its play button to begin your presentation, if necessary.
• Check the connection from the projector to your video sources.
• If you are projecting from a laptop computer, make sure it is set up to display on an external monitor.
• If necessary, turn the projector and the connected computer or video source off and then on again.
• Try a different video cable.
• If the other solutions do not solve the problem, reset all of the projector settings using the options on the **Reset** menu.

**Displaying From a PC Laptop**

**Displaying From a Mac Laptop**

**Parent topic:** Solving Image Problems

**Related concepts**

Projector Connections

**Related references**

Projector Reset Options - Reset Menu

**Related tasks**

Selecting an Image Source

**Displaying From a PC Laptop**

If you see the "No Signal" message when you display from a PC laptop, you need to set up the laptop to display on an external monitor.

1. Hold down the laptop’s **Fn** key and press the key labeled with a monitor icon or **CRT/LCD**. (See your laptop manual for details.) Wait a few seconds for an image to appear. To display on both the laptop's monitor and the projector, try pressing the same keys again.

   **Note:** On Windows 7 or later, hold down the Windows key and press **P** at the same time, then click **Duplicate**.

2. If the same image is not displayed by the laptop and projector, check the Windows **Display** utility to make sure the external monitor port is enabled and extended desktop mode is disabled. (See your computer or Windows manual for instructions.)

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

**Parent topic:** Solutions When "No Signal" Message Appears
Displaying From a Mac Laptop

If you see the "No Signal" message when you display from a Mac laptop, you need to set up the laptop for mirrored display. (See your laptop manual for details.)

1. Open the System Preferences utility and select Displays, Display, or Color LCD.
2. Click the Arrange or Arrangement tab.
3. Select the Mirror Displays checkbox.

Parent topic: Solutions When "No Signal" Message Appears

Solutions When "Not Supported" Message Appears

If the "Not Supported" message appears, try the following solutions:

• Make sure the correct input signal is selected on the Signal menu.
• Make sure the computer's display resolution does not exceed the projector's resolution and frequency limit. If necessary, select a different display resolution for your computer. (See your computer manual for details.)
• As a test, try setting the computer's display resolution to the lowest possible setting, and then gradually increase it as necessary.
• Check the input resolution under Projector Info in the Info menu and make sure that the projector supports that resolution.

Parent topic: Solving Image Problems

Related references
Input Signal Settings - Signal Menu
Supported Video Display Formats
Projector Information Display - Info Menu

Solutions When Only a Partial Image Appears

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

• Press the Auto button on the remote control to optimize the image signal.
• Make sure you selected the correct Screen Type setting for the screen you are using.
• Make sure the Scale setting in the Extended menu is turned off.
• Try adjusting the image position using the Position setting in the Signal menu.
• Try adjusting the image position using the Screen Position menu setting.

264
• Press the Aspect button on the remote control to select a different image aspect ratio.
• Check the Blanking setting in the Signal menu.
• Check the cables connecting the computer or video source to the projector. Try connecting different cables.
• Check your computer display settings to disable dual display and set the resolution within the projector’s limits. (See your computer manual for details.)
• Check the resolution assigned to your presentation files to see if they are created for a different resolution than you are projecting in. (See your software help for details.)
• Make sure you selected the correct Projection setting in the Extended menu.
• If the other solutions do not solve the problem, reset all of the projector settings using the options on the Reset menu.

Parent topic: Solving Image Problems

Related concepts
Projector Connections

Related references
Input Signal Settings - Signal Menu
Projector Reset Options - Reset Menu
Projector Setup Settings - Extended Menu

Related tasks
Setting the Screen Type
Scaling an Image
Adjusting the Image Position Using Screen Position
Changing the Image Aspect Ratio

**Solutions When the Image is Not Rectangular**

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

• Place the projector directly in front of the center of the screen, facing it squarely, if possible.
• Adjust the image shape using the Geometry Correction menu settings.
Solutions When the Image Contains Noise or Static

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

• Check the cables connecting your computer or video source to the projector. They should be:
  • Separated from the power cord to prevent interference
  • Securely connected at both ends
  • Not connected to an extension cable
  • No longer than 9.8 feet (3 m) for VGA/computer cables or 24 feet (7.3 m) for HDMI cables
• Select a computer video resolution and refresh rate that are compatible with the projector.
• If you are projecting from a computer, press the Auto button on the remote control to automatically adjust the tracking and sync. If the problem remains, display a uniformly patterned image on the screen and manually adjust the Tracking and Sync settings.
• Try a different cable.
• Try adjusting the Image Enhancement settings on the Image menu.

Parent topic: Solving Image Problems

Related references
Supported Video Display Formats
Image Quality Settings - Image Menu

Solutions When the Image is Fuzzy or Blurry

If the projected image is fuzzy or blurry, try the following solutions:

• Adjust the image focus.
• Clean the projector lens.

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

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

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

Parent topic: Solving Image Problems

Related references

Image Quality Settings - Image Menu
General Projector Specifications
Supported Video Display Formats

Related tasks

Focusing the Image Using the Focus and Distortion Buttons
Cleaning the Lens

Solutions When the Image Brightness or Colors are Incorrect

If the projected image is too dark or light, or the colors are incorrect, try the following solutions:

• Press the Color Mode button on the remote control to try different color modes for the image and environment.

• Check your video source settings.

• Adjust the available settings on the Image menu for the current input source, such as Brightness, Contrast, Tint, Advanced, and Color Saturation.

• Make sure you selected the correct Input Signal, Video Range, HDR 10 Setting, and HLG Setting options on the Signal menu.

• Make sure you selected the correct Gamma or RGBCMY setting in the Image 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.

• Make sure the Brightness Settings options in the Settings menu are set correctly.

• Position the projector close enough to the screen.

• When using multiple projectors, make sure Light Source Calibration in the Reset menu is set correctly in all of the projectors. If light source calibration is performed only in some of the projectors, the white balance and the brightness level of the projected image may differ between the projectors.

• If the above solutions do not correct your image, try resetting all of the projector's settings using the Reset menu.
Solutions When Automatic Adjustments are not Applied Correctly

If you have problems with automatic adjustments not being applied correctly, try the following solutions:

- Be sure to wait at least 30 minutes after turning on the projector or turning off the Shutter setting before performing automatic adjustments. This gives the projector's temperature a chance to stabilize.

- Check that the protective plate is not installed on the built-in camera and that the camera area is clean.

- Depending on the lens you installed, automatic adjustments may not be available. If you installed one of these lenses, you cannot use the Screen Matching setting or the Tiling Assist feature in the Epson Projector Professional Tool software: ELPLX02, ELPLX02W, ELPLU04, or ELPLL08. If you installed one of these lenses, you cannot use the Color Calibration setting: ELPLX02, ELPLX02W, or ELPLL08.

- If you are projecting from an analog input source, the changing color and brightness of the image may cause automatic adjustments to not be applied correctly.

- Make sure that a powerful spotlight or source of strong natural light is not shining into the projection environment and interfering with automatic adjustments.

- Check that your image correction and image blending settings are within reasonable ranges. If the projection angle is very large, try turning off the Geometry Correction setting or reduce the projection angle. If you are using the Edge Blending setting, make sure the blending width is between 15 to 43%.

- If you see an error message during automatic adjustments, make a note of the error codes and contact Epson for support.

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

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

Solutions to Projector Power or Shut-Off Problems
Solutions to Remote Control Problems
Solutions to Password Problems

Parent topic: Solving Problems

Solutions to Projector Power or Shut-Off Problems

If the projector does not come on when you press the power button or it shuts off unexpectedly, try the following solutions:

• Make sure the power cord is securely connected to the projector and to a working electrical outlet.
• The projector's buttons may be locked for security. Unlock the buttons or use the remote control to turn on the projector.
• Make sure the power switch is turned on.
• If the projector's laser shuts off unexpectedly, it may have entered standby mode after a period of inactivity. Press the power button to wake the projector and adjust the Sleep Mode setting to change the sleep interval.
• If the power button on the remote control does not turn on the projector, check its batteries and make sure the Remote Receiver setting is turned on in the projector’s menu, if available.

• If the power button on the remote control does not turn on the projector, check its batteries.

• If you have set the remote control to operating only a projector with a matching ID, set the ID switch to Off.

• If the projector lights turn on and off when you touch the power cord, the cord may have a poor contact with the electrical outlet. Unplug the power cord and plug it back in to check.

• The power cord may be defective. Try another power cord. If that doesn’t work, disconnect the cord and contact Epson.

• If you see an error message indicating that the battery for your clock settings is running low, contact Epson for support.

• If you do not see error messages or other information displayed after turning on the projector, a sudden voltage drop, blackout, or power cut may have occurred. Turn off the power switch or unplug the power cord, wait at least 10 seconds, then turn on the power switch or plug in the power cord.

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

**Related references**

Projector Setup Settings - Extended Menu
Where to Get Help

**Related tasks**

Turning On the Projector
Turning Off the Projector
Unlocking the Projector’s Buttons
Replacing the Remote Control Batteries
Setting the Remote Control ID

### Solutions to Remote Control Problems

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

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

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

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

• Check to see if a button on the remote control is stuck down, causing it to enter sleep mode. Release the button to wake the remote control up.
• If you enabled the remote control button lock, press and hold the i button for about 5 seconds to turn it off.

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

• Make sure the optional remote control cable set is not attached to the projector’s Remote port. If you leave the cable connected to the port, the remote control cannot control the projector.

• If available, turn on one of the remote receivers in the projector’s menu system, or check if all the remote receivers were turned off.

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

• Make sure the Control Communications or Extron XTP setting in the Extended menu is set to Off if you are using the optional remote control cable set.

• If you lose the remote control, you can purchase another from an authorized Epson reseller.

Parent topic: Solving Projector or Remote Control Operation Problems

Related references
Remote Control Operation
Projector Parts - Interface Ports
Projector Feature Settings - Settings Menu
Projector Setup Settings - Extended Menu

Related tasks
Replacing the Remote Control Batteries
Locking the Remote Control Buttons
Unlocking the Projector’s Buttons
Setting the Remote Control ID

Solutions to Password Problems

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

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

• If you have entered an incorrect password too many times and see a message displaying a request code, write down the code and contact Epson. Do not attempt to enter the password again. Provide the request code and proof of ownership for assistance in unlocking the projector.
• If you set a Epson Web Control password and forgot the user ID or password, try entering the following:
  • User ID: **EPSONWEB**
  • Default password: **admin**
• If you set a Remote password (in Epson Web Control) and forgot the user ID or password, try entering the following:
  • User ID: **EPSONREMOTE**
  • Default password: **guest**
• 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

**Related concepts**

**Password Security Types**

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**Solving Network Problems**

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

- **Solutions When Wireless Authentication Fails**
- **Solutions When You Cannot Access the Projector Through the Web**
- **Solutions When the Image Contains Static During Network Projection**
- **Solutions When Network Alert E-Mails are Not Received**

**Parent topic:** Solving Problems

---

**Solutions When Wireless Authentication Fails**

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

• If the wireless settings are correct, but authentication fails, you may need to update the **Date & Time** settings in the Extended menu, if available.
• Make sure the **Wireless Mode** setting is set to **Wireless LAN On**.
• Check the Security settings and passphrase in the Network Configuration menu.
• Check the Event ID number displayed in the Info menu and check the link below to identify the problem.
• Make sure the connected device is on and operating properly.

**Parent topic:** Solving Network Problems
Solutions When You Cannot Access the Projector Through the Web

If you are unable to access the projector through a web browser, make sure you are using the correct ID and password, which are case sensitive.

- For the user ID, enter EPSONWEB. (You cannot change the user ID.)
- For the password, enter the password set in the projector's Network menu. The default password is admin.
- Make sure you have access to the network the projector is on.
- If you have problems while controlling the projector using Art-Net, any operations you perform using the projector remote control or control panel may cause your software operations to be applied incorrectly. To apply channel controls to the projector, set Channel 13 to Cannot control, then set it back to Can control.

Note: The user ID and password are case sensitive.
Solutions When the Image Contains Static During Network Projection

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

• Check for any obstacles between the access point, the computer, the mobile device, and the projector. If necessary, change their positions to improve communication. Also make sure that they are not too far apart; move them closer together and try to connect again.

• If the wireless connection is slow or your projected image contains noise, check for interference from other equipment, such as a Bluetooth device or microwave. Move the interfering device farther away or expand your wireless bandwidth.

• If the connection speed declines, reduce the number of connected devices.

Parent topic: Solving Network Problems

Solutions When Network Alert E-Mails are Not Received

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

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

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

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

Parent topic: Solving Network Problems

Related references

Projector Setup Settings - Extended Menu

Related tasks

Setting Up Projector Network E-Mail Alerts

Where to Get Help

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

Internet Support

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

**Speak to a Support Representative**

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

Support hours are 6 AM to 8 PM, Pacific Time, Monday through Friday and 7 AM to 4 PM, Pacific Time, Saturday.

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

Before you call, have the following information ready:

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

**Purchase Supplies and Accessories**

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

To purchase a replacement remote control, call (562) 276-4394 (U.S.) or (905) 709-3839 (for dealer referral in Canada).

**Parent topic:** Solving Problems
Technical Specifications

These sections list the technical specifications of your projector.

General Projector Specifications
Projector Light Source Specifications
Remote Control Specifications
Projector Dimension Specifications
Projector Electrical Specifications
Projector Environmental Specifications
Projector Safety and Approvals Specifications
Safety and Approvals Specifications for Latin America
Supported Video Display Formats

General Projector Specifications

**Type of display**
Poly-silicon TFT active matrix

**Resolution**
1920 × 1200 pixels (WUXGA)

**Lens**
F=1.8 to 2.3
Focal length: 36.0 to 57.3 mm

**Color reproduction**
Up to 1.07 billion colors

**Brightness**
Normal Power Consumption mode:
White light output 20000 lumens (ISO 21118 standard)
Color light output 20000 lumens
Quiet/Extended Power Consumption mode:
White light output 14000 lumens (ISO 21118 standard)

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

**Contrast ratio**
Over 2,500,000:1 (dynamic on), 2000:1 (native)
**Image size**  
60 inches (1.52 m) to 1000 inches (25.4 m)  
(in native aspect ratio)

**Projection distance**  
78.3 inches (1.99 m) to 2190.2 inches (55.63 m)  
(in native aspect ratio)

**Projection methods**  
Front, rear, ceiling-mounted

**Optical aspect ratio**  
16:10  
(width-to-height)

**Focus adjustment**  
Powered

**Zoom adjustment**  
Powered

**Zoom ratio**  
1:1.61  
(Tele-to-Wide)

**Noise level**  
45 dB (Normal Power Consumption mode)  
38 dB (Quiet Power Consumption mode)

**Keystone correction angle**  
± 44º vertical (manual)  
± 30° horizontal (manual)

**USB Type B port compatibility**  
USB 1.1 and 2.0 compliant for firmware update or copying menu settings

**USB Type A port compatibility**  
One USB 1.1 and 2.0 compliant port for firmware update or copying menu settings, or for use as a DC Out 900mA port on HDMI/DVI-D interface board

**Projector Light Source Specifications**

<table>
<thead>
<tr>
<th>Type</th>
<th>Laser diode</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light source output power</td>
<td>Up to 488 W</td>
</tr>
<tr>
<td>Wavelength</td>
<td>450 to 460 nm</td>
</tr>
</tbody>
</table>

Parent topic: Technical Specifications
Light source life
(approximate)
Normal/Quiet Light Source Mode:
Up to about 20000 hours
Extended Light Source Mode:
Up to about 43000 hours

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

Parent topic: Technical Specifications

Remote Control Specifications
Reception range 98.4 feet (30 m)
Batteries Two alkaline or manganese AA

Parent topic: Technical Specifications

Projector Dimension Specifications
Height (excluding feet) 11.02 inches (280 mm)
Width 24.4 inches (620 mm)
Depth 28.3 inches (720 mm)
Weight
- Pro L20000UNL: 109.3 lb (49.6 kg)
- Pro L20002UNL: 110.9 lb (50.3 kg)

Parent topic: Technical Specifications

Projector Electrical Specifications
Rated frequency 50/60 Hz
Power supply

110 to 120 V AC ±10% :
12.0 A

220 to 240 V AC ±10% :
9.7 A

Note: 110 to 120 V AC power is for service purposes; use 220 to 240 V AC power for normal operation.

Power consumption

Operating:
(110 to 120 V) Normal Power Consumption mode: 1178 W
Standby:
0.5 W (Communication Off), 2 W (Communication On)

Note: 110 to 120 V AC power is for service purposes; use 220 to 240 V AC power for normal operation.

Power consumption

Operating:
(220 to 240 V) Normal Power Consumption mode: 1860 W
Standby:
0.5 W (Communication Off), 2 W (Communication On)

Parent topic: Technical Specifications

Projector Environmental Specifications

Temperature

Operating:
Up to 4921 feet (1500 m): 32 to 122 °F (0 to 50 °C)
4921 feet (1500 m) to 10000 feet (3048 m): 32 to 113 °F (0 to 45 °C)
Storage: 14 to 140 °F (–10 to 60 °C)

Humidity (relative, non-condensing)

Operating: 20 to 80%
Storage: 10 to 90%

Operating altitude

Up to 4921 feet (1500 m)
Up to 10000 feet (3048 m) with High Altitude Mode enabled
Projector Safety and Approvals Specifications

United States
- FCC Part 15B Class A (DoC)
- UL60950-1 2nd edition/UL62368-1 2nd edition (cTUVus Mark)

Canada
- ICES-003 Class A
- CSA C22.2 No. 60950-1-07/CSA C22.2 No. 62368-1-14 (cTUVus Mark)

Safety and Approvals Specifications for Latin America

Notice for Argentina
- WLAN Module Model: WLU5000-D101 (RoHS)
- Brand: EPSON
- CNC ID: C16265

Notice for Mexico
- Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation of the device.
- WLAN Module Model: WLU5000-D101 (RoHS)
- Brand: EPSON
- IFT Certification Number: RCPEPWL16-0829

Notice for Paraguay
- Imported by:
- Fastrax, S.A.
Notice for Peru

Product Manufacturer: Seiko Epson Corporation
Address: 3-3-5 Owa Suwa-shi, Nagano-Ken 392-8502, Japan
Brand: EPSON
Product Model: Pro L20000UNL/L20002UNL
This product uses the following network module:
WLAN Module Model: WLU5000-D101 (RoHS)
FCC ID: BKMAE-WLU5000

Parent topic: Technical Specifications

Supported Video Display Formats

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

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

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

<table>
<thead>
<tr>
<th>Display format</th>
<th>Refresh rate (in Hz)</th>
<th>Resolution (in pixels)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Computer signals (analog RGB)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>VGA</td>
<td>60/72/75/85</td>
<td>640 × 480</td>
</tr>
<tr>
<td>SVGA</td>
<td>60/72/75/85</td>
<td>800 × 600</td>
</tr>
<tr>
<td>XGA</td>
<td>60/70/75/85</td>
<td>1024 × 768</td>
</tr>
<tr>
<td>Display format</td>
<td>Refresh rate (in Hz)</td>
<td>Resolution (in pixels)</td>
</tr>
<tr>
<td>----------------</td>
<td>----------------------</td>
<td>------------------------</td>
</tr>
<tr>
<td>WXGA</td>
<td>60</td>
<td>1280 × 768</td>
</tr>
<tr>
<td></td>
<td>60/75/85</td>
<td>1280 × 800</td>
</tr>
<tr>
<td></td>
<td>60</td>
<td>1366 × 768</td>
</tr>
<tr>
<td>WXGA+</td>
<td>60/75/85</td>
<td>1440 × 900</td>
</tr>
<tr>
<td>WXGA++</td>
<td>60</td>
<td>1600 × 900</td>
</tr>
<tr>
<td>SXGA</td>
<td>70/75/85</td>
<td>1152 × 864</td>
</tr>
<tr>
<td></td>
<td>60/75/85</td>
<td>1280 × 960</td>
</tr>
<tr>
<td>SXGA+</td>
<td>60/75/85</td>
<td>1280 × 1024</td>
</tr>
<tr>
<td>WSXGA+(^1)</td>
<td>60</td>
<td>1400 × 1050</td>
</tr>
<tr>
<td>UXGA</td>
<td>60</td>
<td>1600 × 1200</td>
</tr>
<tr>
<td>1920 × 1080</td>
<td>50/60</td>
<td>1920 × 1080</td>
</tr>
<tr>
<td>WUXGA(^2)</td>
<td>60</td>
<td>1920 × 1200</td>
</tr>
<tr>
<td>SDTV (480p)</td>
<td>59.94</td>
<td>720 × 480</td>
</tr>
<tr>
<td>SDTV (576p)</td>
<td>50</td>
<td>720 × 576</td>
</tr>
<tr>
<td>HDTV (720p)</td>
<td>50/59.94/60</td>
<td>1280 × 720</td>
</tr>
<tr>
<td>HDTV (1080p)</td>
<td>50/59.94/60</td>
<td>1920 × 1080</td>
</tr>
<tr>
<td><strong>Component video</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SDTV (480i/480p)</td>
<td>59.94</td>
<td>720 × 480</td>
</tr>
<tr>
<td>SDTV (576i/576p)</td>
<td>50</td>
<td>720 × 576</td>
</tr>
<tr>
<td>HDTV (720p)</td>
<td>50/59.94/60</td>
<td>1280 × 720</td>
</tr>
<tr>
<td>HDTV (1080i)</td>
<td>50/59.94/60</td>
<td>1920 × 1080</td>
</tr>
<tr>
<td><strong>DVI-D, HDMI, and HDBaseT input signals</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>VGA</td>
<td>60</td>
<td>640 × 480</td>
</tr>
<tr>
<td>SVGA</td>
<td>60</td>
<td>800 × 600</td>
</tr>
<tr>
<td>XGA</td>
<td>60</td>
<td>1024 × 768</td>
</tr>
<tr>
<td>Display format</td>
<td>Refresh rate (in Hz)</td>
<td>Resolution (in pixels)</td>
</tr>
<tr>
<td>----------------</td>
<td>----------------------</td>
<td>------------------------</td>
</tr>
<tr>
<td>WXGA</td>
<td>60</td>
<td>1280 × 800</td>
</tr>
<tr>
<td></td>
<td>60</td>
<td>1366 × 768</td>
</tr>
<tr>
<td>WXGA+</td>
<td>60</td>
<td>1440 × 900</td>
</tr>
<tr>
<td>WXGA++</td>
<td>60</td>
<td>1600 × 900</td>
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<tr>
<td>WXGA++</td>
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<td>1680 × 1050</td>
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<tr>
<td></td>
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<td>1280 × 1024</td>
</tr>
<tr>
<td>SXGA+</td>
<td>60</td>
<td>1400 × 1050</td>
</tr>
<tr>
<td>UXGA</td>
<td>60</td>
<td>1600 × 1200</td>
</tr>
<tr>
<td>1920 × 1080</td>
<td>50/60</td>
<td>1920 × 1080</td>
</tr>
<tr>
<td>WUXGA²</td>
<td>60</td>
<td>1920 × 1200</td>
</tr>
<tr>
<td>QXGA³</td>
<td>60</td>
<td>2048 × 1536</td>
</tr>
<tr>
<td>WQHD³</td>
<td>60</td>
<td>2560 × 1440</td>
</tr>
<tr>
<td>WQXGA², ³</td>
<td>60</td>
<td>2560 × 1600</td>
</tr>
<tr>
<td>SDTV (480i/480p)</td>
<td>59.94</td>
<td>720 × 480</td>
</tr>
<tr>
<td>SDTV (576i/576p)</td>
<td>50</td>
<td>720 × 576</td>
</tr>
<tr>
<td>HDTV (720p)</td>
<td>50/59.94/60</td>
<td>1280 × 720</td>
</tr>
<tr>
<td>HDTV (1080i)</td>
<td>50/59.94/60</td>
<td>1920 × 1080</td>
</tr>
<tr>
<td>HDTV (1080p)³</td>
<td>23.98/24/29.97/30/50/59.94/60</td>
<td>1920 × 1080</td>
</tr>
<tr>
<td>4K×2K², ³</td>
<td>23.98/24/25/29.97/30</td>
<td>3840 × 2160</td>
</tr>
<tr>
<td>4K×2K³</td>
<td>50/59.94/60</td>
<td>3840 × 2160</td>
</tr>
<tr>
<td>4K×2K (SMPTE)², ³</td>
<td>23.98/24</td>
<td>4096 × 2160</td>
</tr>
<tr>
<td>4K×2K (SMPTE)³</td>
<td>50/59.94/60</td>
<td>4096 × 2160</td>
</tr>
</tbody>
</table>

**SDI input signals (all 10 bit)**

<p>| SDTV (480i) | 59.94 (SD-SDI mode⁴) | 720 × 480 |
| SDTV (576i) | 50 (SD-SDI mode⁴)    | 720 × 576 |</p>
<table>
<thead>
<tr>
<th>Display format</th>
<th>Refresh rate (in Hz)</th>
<th>Resolution (in pixels)</th>
</tr>
</thead>
<tbody>
<tr>
<td>HDTV (720p)</td>
<td>50/59.94/60 (HD-SDI mode)</td>
<td>1280 × 720</td>
</tr>
<tr>
<td>HDTV (1080i)</td>
<td>50/59.94/60 (HD-SDI mode)</td>
<td>1920 × 1080</td>
</tr>
<tr>
<td>HDTV (1080p)</td>
<td>23.98/24/25/29.97/30 (HD-SDI mode)</td>
<td>1920 × 1080</td>
</tr>
<tr>
<td>HDTV (1080p)⁶</td>
<td>50/59.94/60 (3G-SDI mode; Level A)</td>
<td>1920 × 1080</td>
</tr>
<tr>
<td>HDTV (1080p)⁶</td>
<td>23.98/24/25/29.97/30 (3G-SDI mode; Level A)</td>
<td>1920 × 1080</td>
</tr>
<tr>
<td>HDTV (1080i)</td>
<td>50/59.94/60 (3G-SDI mode; Level A)</td>
<td>1920 × 1080</td>
</tr>
</tbody>
</table>

1. Compatible only when Wide is selected as the Resolution setting
2. Compatible only with VESA CVT-RB (Reduced Blanking) input signal
3. HDMI or HDBaseT input only
4. Compatible with YPbPr 4:2:2 input signals
5. Compatible with RGB4:4:4 input signals
6. Supports HDR (HDR10 and HLG)

Parent topic: Technical Specifications
Related references
Input Signal Settings - Signal Menu
Notices

Check these sections for important notices about your projector.

- Recycling
- Important Safety Information
- Important Safety Instructions
- List of Safety Symbols (corresponding to IEC60950-1 A2)
- Manufacturer and Importer Address
- FCC Compliance Statement
- Binding Arbitration and Class Waiver
- Trademarks
- Copyright Notice

Recycling

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

Parent topic: Notices

Important Safety Information

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

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

Parent topic: Notices

Important Safety Instructions

Follow these safety instructions to avoid damage to the product and serious or fatal bodily injury:
Setup and operation

• If an error occurs in the projector, turn off the power and unplug the projector immediately. Continuing to use the projector could result in an electric shock, fire, or visual impairment. Contact Epson support.

• Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

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

• Do not look into the lens when the projector is on. The bright light can damage your eyes. Avoid standing in front of the projector so the bright light does not shine into your eyes.

• Possibly hazardous optical radiation emitted from this product. Do not direct or reflect the laser light toward people or reflective objects. Do not look at the operating light source or expose your skin to it. Eye and/or skin injury may result if these instructions are not followed.

• Do not look into the lens using optical devices, such as a magnifying glass or telescope. This could cause visual impairment.

• Do not apply optical devices, such as a magnifying glass or reflector, to the projected image. Using the projector in this way may result in physical harm, fire, or an accident.

• When turning on the projector at a distance using the remote control, make sure no one is looking into the lens.

• Do not place the projector where the cord can be walked on. This may result in fraying or damage to the plug.

• Do not operate the projector in a closed-in cabinet unless proper ventilation is provided.

• Do not block the slots and openings in the projector case. They provide ventilation and prevent the projector from overheating. Do not operate the projector on a sofa, rug, or other soft surface, or set it on top of loose papers. Do not cover the projector with a blanket, curtain, or tablecloth. If you are setting up the projector near a wall, leave at least 7.9 inches (20 cm) of space between the wall and the projector.

• Do not allow small children to operate the projector. Children must be accompanied by an adult.

• Before using the projector, make sure there is nothing in the area that could reflect the projected image.

• If the projector is mounted on a ceiling or wall, it should be installed by qualified technicians using mounting hardware designed for use with this projector.

• When installing or adjusting a ceiling or wall mount, do not use adhesives to prevent the screws from loosening and do not use oils or lubricants. This may cause the projector case to crack and the
projector to fall from its ceiling mount. This could cause serious injury to anyone under the mount and could damage the projector.

- Do not use the projector near water, sources of heat, high-voltage electrical wires, or sources of magnetic fields.
- Use the type of power source indicated on the projector. Use of a different power source may result in fire or electric shock. If you are not sure of the power available, consult your dealer or power company.
- Place the projector near a wall outlet where the plug can be easily unplugged.
- Take the following precautions when handling the plug: Do not hold the plug with wet hands. Do not insert the plug into a dusty outlet. Insert the plug firmly into the outlet. Do not pull the power cord when disconnecting the plug; always be sure to hold the plug when disconnecting it. Do not overload wall outlets, extension cords, or power strips. Failure to comply with these precautions could result in fire or electric shock.
- Never allow objects of any kind to enter any openings in the projector. Do not leave objects, especially flammable objects, near the projector. Never spill liquid of any kind into the projector.
- 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.
- Place the projector near a wall outlet where the plug can be easily unplugged.
- Do not touch the plug during an electrical storm. Otherwise, you may receive an electric shock.
- Do not use the projector where it may be exposed to rain, water, or excessive humidity.
- Do not use the projector where flammable or explosive gases may be present.
- Do not use or store the projector or remote control in a hot location, such as near a heater, in direct sunlight, or in a closed vehicle.
- Do not place the source of an open flame, such as a lit candle, on or near the projector.
- Do not block the lens during projection using a book or any other object. This could damage the projector or cause a fire.
- Do not modify the power cord. Do not place heavy objects on top of the power cord or bend, twist, or pull it excessively. Keep the power cord away from hot electrical appliances.
• Always attach the lens cover to the lens when not using the projector to prevent the lens from becoming dirty or damaged.

• If you use the projector in a country other than where you purchased it, use the correct power cord for that country.

• Do not stand on the projector or place heavy objects on it.

• Do not use the projector outside of the required temperature range below:
  32 to 122 °F (0 to 50 °C) at an altitude of 4921 feet (1500 m) or less, and 32 to 113 °F (0 to 45 °C) at an altitude of 4925 to 10000 feet (1501 to 3048 m)
  Doing so may cause an unstable display and could lead to projector damage. Do not use or store the projector where it may be exposed to sudden changes in temperature.

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

• Do not place the projector on an unstable cart, stand, or table.

**Maintenance, storage, and transportation**

• Unplug the projector from the wall outlet and allow to cool before cleaning. Use a dry cloth (or, for stubborn dirt or stains, a moist cloth that has been wrung dry) for cleaning. Do not use liquid or aerosol cleaners, any sprays containing flammable gas, or solvents such as alcohol, paint thinner, or benzine.

• Do not open the projector's case. The projector contains a high-powered laser.

• Unplug the projector from the wall outlet and allow to cool before cleaning. Use a dry cloth (or, for stubborn dirt or stains, a moist cloth that has been wrung dry) for cleaning. Do not use liquid or aerosol cleaners, any sprays containing flammable gas, or solvents such as alcohol, paint thinner, or benzine.

• Do not attempt to disassemble or modify the projector. The projector contains a high-power laser component. Serious injury could result.

• You may need to clean the air filter and vent. A clogged air filter or vent can block ventilation needed to cool the projector. Do not use canned air, or the gases may leave a residue.

• Do not store the projector outdoors for an extended length of time.

• Do not use or store the projector where it may be exposed to smoke, steam, corrosive gases, excessive dust, vibration, or shock.

• Unplug the projector when it will not be used for extended periods.

• Do not store the projector outside of the required temperature range of 14 to 140 °F (–10 to 60 °C) or in direct sunlight for long periods of time. Doing so may cause damage to the case.
• Before you move the projector, make sure its power is turned off, the plug is disconnected from the outlet, and all cables are disconnected.

• When disposing of the projector, do not disassemble it. Dispose of the projector in accordance with your local or national laws and regulations.

Laser Safety Information
Laser Safety Labels
Hazard Distance (HD)
Typical Setup Configurations (U.S. Only)

Parent topic: Notices

Laser Safety Information

This projector is a Class 1/RG3 laser product that complies with the IEC60825-1 international standard for lasers. This projector contains a high-powered laser component and the following precautions should be taken when operating the projector to avoid injury or damage:

• Do not enter the exclusion zone that is determined by the light beam Hazard Distance (HD). See the link below for hazard distance information.

• Never open any covers on the projector except as specifically explained in this manual. Never attempt to disassemble or modify the projector.

• All installations and repairs of this projector must be done by a licensed service personnel.

• The projector generates high amounts of heat. Do not place flammable or combustible objects around the projector, especially in front of the lens.

Note: See the link below for additional safety laser cautions and other general safety instructions.

Parent topic: Important Safety Instructions
Related references
Laser Safety Labels
Hazard Distance (HD)
Typical Setup Configurations (U.S. Only)

Laser Safety Labels

Labels are attached to the projector to indicate the level of risk when operating or servicing the projector.
This product is in conformity with performance standards for laser products under 21CFR 1040, except with respect to those characteristics authorized by Variance Number 2018-V-3295 effective on November 21, 2018.

Certification labels (located on side of projector)

![Certification label image]

**WARNING**

Possibly hazards optical radiation emitted from this product.

Comply with 21 CFR Part 1040 except with respect to those characteristics authorized by VARIANCE NUMBER XXXXXXXX Dated XXXXXXXX
Comply with 21 CFR Part 1040 except with respect to those characteristics authorized by VARIANCE NUMBER 2018-V-3295 Dated November 21, 2018

**WARNING**: Do not look into the beam. No direct eye exposure to the beam is permitted.


Hazard Distance: Refer to the manual.

**WARNING**: Do not look into the beam. No direct eye exposure to the beam is permitted.


Hazard Distance: Refer to the manual.

**WARNING**: Do not look into the beam. No direct eye exposure to the beam is permitted.


Hazard Distance: Refer to the manual.
Manufacturer identification label (located on back of projector)

**WARNING**: Never open any covers on the projector except as specifically explained in the projector manual. Dangerous electrical voltages inside the projector can severely injure you.

**WARNING**: Never open any covers on the projector expect as specifically explained in the projector manual.

Dangerous electrical voltages inside the projector can severely injure you.
Protective housing label (located inside of projector)

CAUTION/DANGER: CLASS 4 LASER RADIATION WHEN OPEN
AVOID EYE OR SKIN EXPOSURE TO DIRECT OR SCATTERED RADIATION

Parent topic: Important Safety Instructions

Hazard Distance (HD)

Hazard Distance (HD) is the distance measured from the projection lens at which the intensity of the energy per surface unit becomes lower than the applicable exposure limit on the cornea or on the skin. To prevent risk of eye or skin exposure, no person should enter the area within the HD of the projector during operation.
The HD depends on the number of lumens produced by the projector, the size of the panel(s) used, and the type of lens installed. HD values are provided in the table below.

To protect untrained end users (such as cinema visitors or spectators), the installation shall comply with the following installation requirements: Operators shall control access to the beam within the hazard distance or install the product at the height that will prevent spectators from being in the hazard distance. Radiation levels in excess of the limits will not be permitted at any point less than 2.0 meters (SH) above any surface upon which persons other than operators, performers, or employees are permitted to stand or less than 1.0 meter (SH) lateral separation from any place where such persons are permitted to be. In environments where unrestrained behavior is reasonably foreseeable, the minimum separation height should be greater than or equal to 3.0 meters to prevent potential exposure, for example by an individual sitting on another individual’s shoulders, within the HD.
These values are minimum values and are based on the guidance provided in IEC 62471-5:2015 section 6.6.5.

The installer must understand the risk and apply protective measures based upon the hazard distance as indicated on the label and in the user information. Installation method, separation height, barriers, detection systems or other applicable control measures shall prevent spectator access to the projected light within the hazard distance.

For example, projectors that have a HD greater than 1 meter and emit light into an uncontrolled area where persons may be present should be positioned in accordance with “the fixed projector installation” parameters, resulting in a HD that does not extend into the audience area unless the beam is at least 2.0 meters above the floor level. In environments where unrestrained behavior is reasonably foreseeable, the minimum separation height should be greater than or equal to 3.0 meters to prevent potential exposure, for example by an individual sitting on another individual’s shoulders, within the HD. Sufficiently large separation height may be achieved by mounting the image projector on the ceiling or through the use of physical barriers.

**U.S.A. Market Only:**

This projector is a Class 1/RG3 laser product that complies with FDA Title 21 CFR 1040. This projector can only be installed by qualified service personnel with an approved laser light show variance. Only trained users with a valid laser light show variance are allowed access to the area where the projector is installed. The area should be secured and access to it controlled by the owner of the location. Installers must have a valid variance for production of Class IIIb and IV laser light shows and/or for incorporation of the RG3 LIPs into their shows. Dealers, distributors, and end-users are also required to obtain a valid laser light show variance.

If you are renting out this projector, it should only be delivered to parties that demonstrate that they have a valid variance in effect at the time of delivery that permits them to produce laser light shows incorporating this projector.

For a laser-illuminated projector (LIP) installed in the U.S.A. market, the following limits apply. For installations other than in cinema theaters, an LIP shall be installed at a height vertically above the floor such that the bottom plane of the hazard zone shall be no lower than 3.0 meters above the floor. Horizontal clearance to the hazard zone shall be 2.5 meters. Any human access horizontally to the hazard zone, if applicable, shall be restricted by barriers. If human access is possible in an unsupervised environment, the horizontal or vertical clearances shall be increased to prevent exposure to the RG3 hazard zone.

Install one or more readily accessible controls to immediately terminate LIP projection light. The power input at the projector side is considered as a reliable disconnect device. When required to switch off the projector, disconnect the power cord at the projector side. In case the power input at the projector side is not accessible (such as in a truss mount), the socket outlet supplying the projector shall be installed nearby the projector and be easily accessible, or a readily accessible general disconnect device shall be
incorporated in the fixed wiring. Additionally, the projection light can be turned off by pressing the **Shutter** button on the projector's control panel or remote control.

Parent topic: Important Safety Instructions

Typical Setup Configurations (U.S. Only)

**Show - Elevation View**
- Projector mounted from the ceiling.
- 9.8 ft (3 m) minimum vertical clearance from accessible floor to bottom plane of Hazard Zone.
- Hazard zone effectively isolated from human access with physical barriers and warning signage.

![Diagram of typical setup configuration](image)

**Note:** Typical layout concept; not necessarily to scale.

**Show - Elevation View - Typical Temporary Cinema Application**
- Projector positioned at rear of venue.
- Front projection over audience onto projection surface.
- 8.2 ft (2.5 m) minimum lateral distance from accessible area to Hazard Zone.
- 9.8 ft (3 m) minimum vertical clearance from any accessible floor to bottom plane of Hazard Zone.
• Controlled Area** prevents human access with physical barriers and warning signage except authorized personnel.
• Audience allowed only outside the controlled area.

**Note:** Typical layout concept; not necessarily to scale.

**Show - Plan View - Typical Temporary Cinema Application**
• Projector positioned at rear of venue.
• Front projection over audience onto projection surface.
• 8.2 ft (2.5 m) minimum lateral distance from accessible area to Hazard Zone.
• Controlled Area** prevents human access with physical barriers and warning signage except authorized personnel.
- Audience allowed only outside the controlled area.

**Note**: Typical layout concept; not necessarily to scale.

**Parent topic**: Important Safety Instructions

**List of Safety Symbols (corresponding to IEC60950-1 A2)**

The following table lists the meaning of the safety symbols labeled on the equipment.

<table>
<thead>
<tr>
<th>No.</th>
<th>Symbol</th>
<th>Approved Standards</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td><img src="image" alt="Symbol" /></td>
<td>IEC60417 No.5007</td>
<td>&quot;ON&quot; (power) To indicate connection to the mains.</td>
</tr>
<tr>
<td>No.</td>
<td>Symbol</td>
<td>Approved Standards</td>
<td>Description</td>
</tr>
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</tr>
</tbody>
</table>
| 2   | ![Symbol](image) | IEC60417 No.5008 | "OFF" (power)
To indicate disconnection from the mains. |
| 3   | ![Symbol](image) | IEC60417 No.5009 | Stand-by
To identify the switch or switch position by means of which part of the equipment is switched on in order to bring it into the stand-by condition. |
| 4   | ![Symbol](image) | ISO7000 No.0434B IEC3864-B3.1 | Caution
To identify general caution when using the product. |
| 5   | ![Symbol](image) | IEC60417 No.5041 | Caution, hot surface
To indicate that the marked item can be hot and should not be touched without taking care. |
| 6   | ![Symbol](image) | IEC60417 No.6042 ISO3864-B3.6 | Caution, risk of electric shock
To identify equipment that has risk of electric shock. |
| 7   | ![Symbol](image) | IEC60417 No.5957 | For indoor use only
To identify electrical equipment designed primarily for indoor use. |
| 8   | ![Symbol](image) | IEC60417 No.5926 | Polarity of DC power connector
To identify the positive and negative connections (the polarity) on a piece of equipment to which a DC power supply may be connected. |
<table>
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</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>![Battery Symbol]</td>
<td>—</td>
<td>Same as No. 8</td>
</tr>
</tbody>
</table>
| 10  | ![Battery Symbol] | IEC60417 No.5001B | Battery, general  
On battery powered equipment. To identify a device for instance a cover for the battery compartment, or the connector terminals. |
| 11  | ![Battery Symbol] | IEC60417 No.5002 | Positioning of cell  
To identify the battery holder itself and to identify the positioning of the cell(s) inside the battery holder. |
| 12  | ![Battery Symbol] | —                  | Same as No. 11 |
| 13  | ![Protective Earth Symbol] | IEC60417 No.5019 | Protective earth  
To identify any terminal which is intended for connection to an external conductor for protection against electric shock in case of a fault, or the terminal of a protective earth electrode. |
| 14  | ![Earth Symbol] | IEC60417 No.5017 | Earth  
To identify an earth (ground) terminal in cases where neither the symbol No.13 is explicitly required. |
| 15  | ![Alternating Current Symbol] | IEC60417 No.5032 | Alternating current  
To indicate on the rating plate that the equipment is suitable for alternating current only; to identify relevant terminals. |
<table>
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</tr>
</thead>
</table>
| 16  | ![Image](image1.png) | IEC60417 No.5031 | Direct current  
To indicate on the rating plate that the equipment is suitable for direct current only; to identify relevant terminals. |
| 17  | ![Image](image2.png) | IEC60417 No.5172 | Class II equipment  
To identify equipment meeting the safety requirements specified for Class II equipment according to IEC 61140. |
| 18  | ![Image](image3.png) | ISO 3864 | General prohibition  
To identify actions or operations that are prohibited. |
| 19  | ![Image](image4.png) | ISO 3864 | Contact prohibition  
To indicate injury that could occur due to touching a specific part of the equipment. |
| 20  | ![Image](image5.png) | — | Never look into the optical lens while the projector is on. |
| 21  | ![Image](image6.png) | — | To indicate that the marked item don’t place anything on projector. |
| 22  | ![Image](image7.png) | ISO3864 IEC60825-1 | Caution, laser radiation  
To indicate the equipment has a laser radiation part. |
| 23  | ![Image](image8.png) | ISO 3864 | Disassembly prohibition  
To indicate a risk of injury, such as electric shock, if the equipment is disassembled. |
<table>
<thead>
<tr>
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<th>Symbol</th>
<th>Approved Standards</th>
<th>Description</th>
</tr>
</thead>
</table>
| 24  | ![Symbol](image) | IEC60417 No. 5266 | Standby, partial standby  
To indicate that part of the equipment is in the ready status. |
| 25  | ![Symbol](image) | ISO3864  
IEC60417 No. 5057 | Caution, movable parts  
To indicate that you must keep away from movable parts according to protection standards. |
| 26  | ![Symbol](image) | IEC60417-6056 | Caution (Moving Fan Blades)  
To indicate that you must keep away from moving fan blades. |
| 27  | ![Symbol](image) | IEC60417-6043 | Caution (Sharp Corners)  
To indicate that you must not touch sharp corners. |
| 28  | ![Symbol](image) | — | To indicate that looking into the lens while projecting is prohibited. |
| 29  | ![Symbol](image) | ISO7010 No. W027  
ISO3864 | Warning, light emission (UV, visible light, IR, etc.)  
When you are close to the light emissions, be careful not to injure your eyes or skin. |
| 30  | ![Symbol](image) | IEC60417 No. 5109 | Usage prohibition in residential areas  
To indicate that this is an electrical device or a device that is not suitable for use in residential areas. |

Parent topic: Notices

Manufacturer and Importer Address

Manufacturer
Name: Seiko Epson Corporation
FCC Compliance Statement

For United States Users

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

For Canadian Users

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

Binding Arbitration and Class Waiver

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

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

1.3 Pre-Arbitration Steps and Notice. Before submitting a claim for arbitration, you and Epson agree to try, for sixty (60) days, to resolve any Dispute informally. If Epson and you do not reach an agreement to resolve the Dispute within the sixty (60) days, you or Epson may commence an arbitration. Notice to Epson must be addressed to: Epson America, Inc., ATTN: Legal Department, 3840 Kilroy Airport Way, Long Beach, CA 90806 (the "Epson Address"). The Dispute Notice to you will be sent to the most recent address Epson has in its records for you. For this reason, it is important to notify us if your address changes by emailing us at EAILegal@ea.epson.com or writing us at the Epson Address above. Notice of the Dispute shall include the sender's name, address and contact information, the facts giving rise to the Dispute, and the relief requested (the "Dispute Notice"). Following receipt of the Dispute Notice, Epson and you agree to act in good faith to resolve the Dispute before commencing arbitration.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Parent topic: Notices

**Trademarks**

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Parent topic: Notices

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