EPSON
EXCEED YOUR VISION

Pro L30000UNL/L30002UNL
User's Guide

Contents

Pro L30000UNL/L30002UNL 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

Notations Used in the Documentation 16

Where to Go for Additional Information 17

Projector Part Locations 17

Projector Parts - Front/Top 18

Projector Parts - Side/Rear 19

Projector Parts - Base/Handle 20

Projector Parts - Interface Ports 22

Projector Parts - Control Panel 23

Projector Parts - Remote Control 25

Setting Up the Projector 28

Projector Placement 28

Projector Setup and Installation Options 30

Projection Distance 32

Projector Connections 55

Connecting to Video Sources 55

Connecting to an HDMI Video Source 56

Connecting to a Component-to-BNC Video Source 56

Connecting to a Component Video Source 57

Connecting to an SDI Video Source 57

Connecting to Computer Sources 58

Connecting to a Computer for VGA Video 58

Connecting to a Computer for HDMI Video 59

Connecting to a Computer for DVI-D Video 60

Connecting to a Computer for 5 BNC Video 60

Connecting to an HDBaseT Transmitter 61
Connecting to an External Computer Monitor 62
Attaching and Removing a Lens 62
Attaching a Lens 62
Removing a Lens 66
Securing the Power Cord 69
Attaching and Removing the HDMI Cable Clip 69
Installing Batteries in the Remote Control 70
Using the Projector on a Network 72
Wired Network Projection 72
Connecting to a Wired Network 73
Selecting Wired Network Settings 73
Wireless Network Projection 76
Installing the Wireless LAN Module 77
Using a QR Code to Connect a Mobile Device 79
Using Quick Wireless Connection (Windows) 80
Selecting Wireless Network Settings Manually 82
Wireless LAN Menu Settings 85
Selecting Wireless Network Settings in Windows 87
Selecting Wireless Network Settings on Mac 88
Setting Up Wireless Network Security 88
Setting Up Projector Network E-Mail Alerts 90
Network Projector E-mail Alert Messages 92
Selecting Other Network Settings 92
Setting a Static IP Address on the LCD Screen 93
Controlling a Networked Projector Using a Web Browser 95
Web Control Options 97
Viewing an Image Capture of the Displayed Image from a Remote Location 104
Using Crestron Connected 107
Setting Up Crestron Connected 108
Controlling a Networked Projector Using Crestron Connected 109
Art-Net Channel Definitions 111
Registering a Digital Certificate on the Projector 117

Importing a Web Server Certificate Using the Projector Menus 117
Registering Digital Certificates from a Web Browser 119
Digital Certificate Types 120
Using Basic Projector Features 122
Turning On the Projector 122
Turning Off the Projector 124
Selecting the Language for the Projector Menus 126
Resizing the Image with the Zoom Button 126
Focusing the Image Using the Focus Buttons 127
Focusing the Image When Using an Optional Short Throw Lens 128
Setting the Screen Type 130
Adjusting the Image Position Using Lens Shift 130
Adjusting the Image Position Using Screen Position 134
Displaying a Test Pattern 134
Image Shape 135
Correcting Image Shape with H/V Keystone 136
Correcting Image Shape with Quick Corner 138
Correcting Image Shape with Curved Surface 140
Correcting Image Shape with Corner Wall 145
Correcting Image Shape with Point Correction 151
Selecting an Image Source 153
Remote Control Operation 154
Projection Modes 157
Changing the Projection Mode Using the Remote Control 157
Changing the Projection Mode Using the Menus 157
Image Aspect Ratio 158
Changing the Image Aspect Ratio 159
Available Image Aspect Ratios 159
Color Mode 160
Changing the Color Mode 161
Available Color Modes 161
Adjusting the Brightness 162
Constant Brightness Usage Hours 164

Adjusting Luminance Controls ... 166
Adjusting Gamma ... 168
Setting the Date and Time ... 170
Date and Time Settings ... 171
Adjusting Projector Features ... 172
Shutting Off the Picture Temporarily ... 172
Stopping Video Action Temporarily ... 173
Projector Security Features ... 174
Password Security Types ... 174
Setting a Password ... 175
Selecting Password Security Types ... 176
Entering a Password to Use the Projector ... 177
Saving a User's Logo Image to Display ... 178
Locking the Projector's Lens Settings and Buttons ... 180
Unlocking the Projector's Buttons ... 181
Locking the Remote Control Buttons ... 181
Installing a Security Cable ... 183
Projecting Two Images Simultaneously ... 184
Input Sources for Split Screen Projection ... 186
Using Advanced Image Adjustment Features ... 186
Using 4K Enhancement ... 187
Using Frame Interpolation ... 188
Creating Image Presets ... 190
Using MPEG Noise Reduction ... 192
Adjusting Scaled Resolution Images (Super-resolution) ... 193
Adjusting Detail Enhancement ... 194
Adjusting the Color Convergence (Panel Alignment) ... 196
Adjusting the Color Tone (Color Uniformity) ... 197
Running Light Source Calibration ... 199
Using Multiple Projectors ... 201
Multiple Projector Adjustment Overview ... 201
Projector Identification System for Multiple Projector Control ... 203
Setting the Projector ID ... 203

Setting the Remote Control ID 204
Tiling Images into One Image 205
Configuring Tiling Automatically 206
Configuring Tiling Manually 208
Blending the Image Edges 210
Adjusting the Black Level 213
Matching Tint and Brightness (Screen Matching) 217
Matching the Screens Automatically 218
Matching the Screens Manually 219
Scaling an Image 221
Tiling Images Using Geometry Correction Assist 223
Stacking Images Using Geometry Correction Assist 224
Simple Stacking for One Bright Image 225
Simple Stacking Conditions 225
Setting Up Simple Stacking 226
Saving Settings to Memory and Using Saved Settings 227
Saving a Scheduled Event 230
Viewing Scheduled Events 231
Editing a Scheduled Event 232
Copying Menu Settings Between Projectors 233
Saving Settings to a USB Flash Drive 234
Transferring Settings from a USB Flash Drive 236
Saving Settings to a Computer 237
Transferring Settings from a Computer 239
Adjusting the Menu Settings 242
Using the Projector's Menus 242
Image Quality Settings - Image Menu 244
Input Signal Settings - Signal Menu 248
Projector Feature Settings - Settings Menu 252
Projector Setup Settings - Extended Menu 256
Projector Network and Camera Settings - Network Menu 264
Projector Information Display - Info Menu 266
Event ID Code List 268

Projector Reset Options - Reset Menu 270
Maintaining and Transporting the Projector 273
Projector Maintenance 273
Cleaning the Lens 273
Cleaning the Projector Case 274
Air Filter and Vent Maintenance 274
Cleaning the Air Filters 275
Cleaning the Air Vents 281
Replacing the Air Filters 281
Replacing the Remote Control Batteries 285
Transporting the Projector 287
Solving Problems 292
Projection Problem Tips 292
Projector Light Status 293
Viewing Projector Status Information 297
Projector Status Display Messages 298
Using the Projector Help Displays 303
Solving Image Problems 304
Solutions When No Image Appears 304
Solutions When "No Signal" Message Appears 305
Displaying From a PC Laptop 306
Displaying From a Mac Laptop 306
Solutions When "Not Supported" Message Appears 307
Solutions When Only a Partial Image Appears 307
Solutions When the Image is Not Rectangular 308
Solutions When the Image Contains Noise or Static 308
Solutions When the Image is Fuzzy or Blurry 309
Solutions When the Image Brightness or Colors are Incorrect 309
Solutions When Automatic Adjustments are not Applied Correctly 310
Solutions When an Afterimage Remains On the Projected Image 311
Solving Projector or Remote Control Operation Problems 311
Solutions to Projector Power or Shut-Off Problems 312
Solutions to Remote Control Problems 312

Solutions to Password Problems 313
Solving Network Problems 314
Solutions When Wireless Authentication Fails 314
Solutions When You Cannot Access the Projector Through the Web 315
Solutions When the Image Contains Static During Network Projection 316
Solutions When Network Alert E-Mails are Not Received 316
Where to Get Help (U.S. and Canada) 316
Technical Specifications 318
General Projector Specifications 318
Projector Light Source Specifications 319
Remote Control Specifications 320
Projector Dimension Specifications 320
Projector Electrical Specifications 320
Projector Environmental Specifications 321
Projector Safety and Approvals Specifications 322
Supported Video Display Formats 322
Notices 326
Recycling (U.S. and Canada) 326
Important Safety Information 326
Important Safety Instructions 326
Laser Safety Information 330
Laser Safety Labels 331
Hazard Distance (HD) 332
Typical Setup Configurations (U.S. Only) 334
List of Safety Symbols (corresponding to IEC60950-1 A2) 337
Manufacturer and Importer Address 341
FCC Compliance Statement 342
Binding Arbitration and Class Waiver 342
Trademarks 345
Copyright Notice 346
A Note Concerning Responsible Use of Copyrighted Materials 347
Copyright Attribution 347

Pro L30000UNL/L30002UNL User's Guide

Welcome to the Pro L30000UNL/L30002UNL *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 L30000UNL and Pro L30002UNL projectors include these special features:

Bright, high-resolution projection system

- Up to 30000 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 (optional) 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

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.

Signal or connection type	Additional component necessary
Component video	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.

Signal or connection type	Additional component necessary
HDMI	HDMI cable Available for purchase from Epson or an authorized Epson reseller. You also need a splitter that supports HDMI signals (commercially available).
VGA	VGA computer cable Available for purchase from Epson or an authorized Epson reseller. 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.
BNC	VGA-to-5-BNC cable or adapter Available for purchase from Epson or an authorized Epson reseller.
DVI-D	Compatible DVI-D cable
HDBaseT	Compatible 100Base-TX LAN cable
SDI	Compatible BNC video cable

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."

Projector software	Manual	Description
Epson Projector Management (Windows only)	*Epson Projector Management Operation Guide*	Lets you monitor and control your projector through the network. You can download the latest software and documentation from the Epson web site. Go to epson.com/support (U.S.) or epson.ca/support (Canada) and select your projector.
Epson iProjection (Windows/Mac)	*Epson iProjection Operation Guide (Windows/Mac)*	Lets you project the computer screens of users over a network. You can download the latest software and documentation from the Epson web site.
Epson iProjection app	Instructions are included with the app	Visit for more information.
Epson Projector Professional Tool (Windows/Mac)	*Epson Projector Professional Tool Operation Guide*	Lets you manage multiple Epson projectors simultaneously You can download the latest software and documentation from the Epson web site.
—	*Open Source Software License*	You can download this document from the Epson web site.

Note: Epson iProjection is not recommended for use with streaming video.

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:

Option or part	Part number
Air filter (ELPAF52)	V13H134A52
Wireless LAN module (ELPAP10)	V12H731P02

Option or part	Part number
HDBaseT Transmitter (ELPHD01)	V12H547020
PixAlign Camera (ELPEC01)*	V12HA46010
Remote control cable set (ELPKC28)	V12H005C28
Epson DC-07 document camera (ELPDC07)	V12H759020
Epson DC-13 document camera (ELPDC13)	V12H757020
Epson DC-21 document camera (ELPDC21)	V12H758020
Rear-throw zoom lens (ELPLR05)	V12H004R05
Ultra Short-throw zoom lens (ELPLX03)	V12H004X03
Short-throw zoom lens (ELPLU05)	V12H004U05
Wide-throw zoom lens (ELPLW07)	V12H004W07
Middle-throw zoom lens #1 (ELPLM12)	V12H004M0C
Middle-throw zoom lens #2 (ELPLM13)	V12H004M0D
Middle-throw zoom lens #3 (ELPLM14)	V12H004M0E
Long-throw zoom lens #1 (ELPLL09)	V12H004L09
Long-throw zoom lens #2 (ELPLL10)	V12H004L0A
Mounting Handle (ELPMB56)	V12H003A01

* Requires firmware version 4.00 or later.

Parent topic: Projector Features

Notations Used in the Documentation

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

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

Parent topic: Introduction to Your Projector

Where to Go for Additional Information

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

- Built-in help system

  Press the User button on the remote control that is assigned to the help system to get quick solutions to common problems.

  Note: You must assign the help function to a User button. Follow the link below for more information.

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

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

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

Parent topic: Introduction to Your Projector

Related references

Where to Get Help (U.S. and Canada)
Projector Feature Settings - Settings Menu

Related topics

Solving Problems

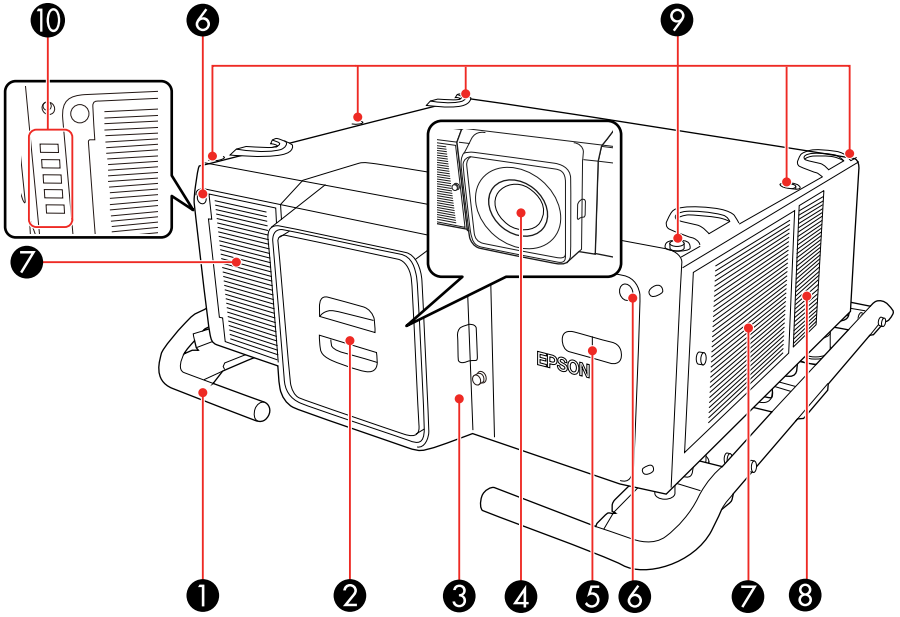
Projector Part Locations

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

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

Parent topic: Introduction to Your Projector

Projector Parts - Front/Top



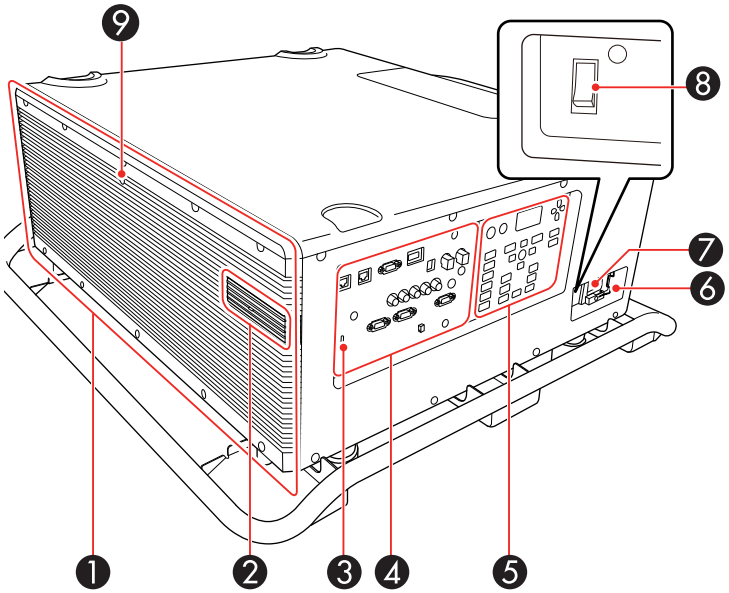
1 Carrying handles
2 Cap for lens cover
3 Lens cover
4 Projection lens
5 Built-in camera
6 Remote receiver
7 Air filter covers
8 Air intake vent
9 Holes for optional mounting
10 Status lights

Parent topic: Projector Part Locations

Related topics

Attaching and Removing a Lens

Projector Parts - Side/Rear

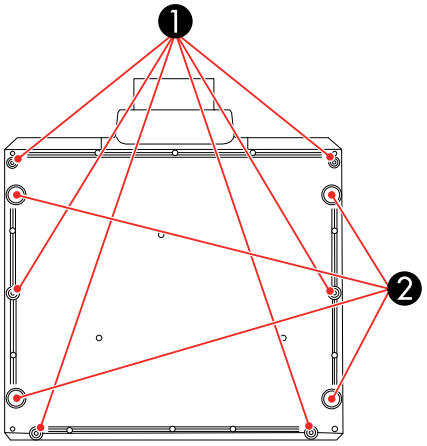


1	Exhaust vent
2	USB-A port cover (for optional wireless LAN unit)
3	Kensington security slot
4	Interface ports
5	Control panel
6	Power cord holder
7	AC inlet
8	Power switch
9	Remote receiver

Parent topic: Projector Part Locations

Projector Parts - Base/Handle

Base

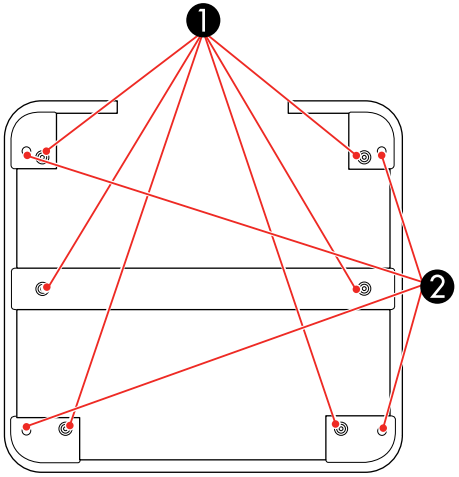


1 Handle mounting points (6)

2 Feet

You can remove the feet and attach them to the handle. You can extend the feet approximately 0.5 inch (16 mm) before they detach.

Handle



1 Projector attachment screw holes

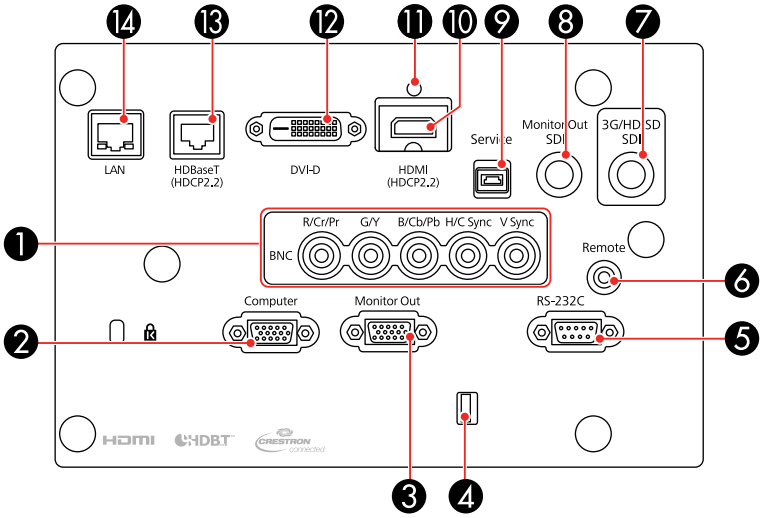
2 Eye-bolt screw holes (used for transportation)

Parent topic: Projector Part Locations

Related tasks

Transporting the Projector
Installing a Security Cable

Projector Parts - Interface Ports



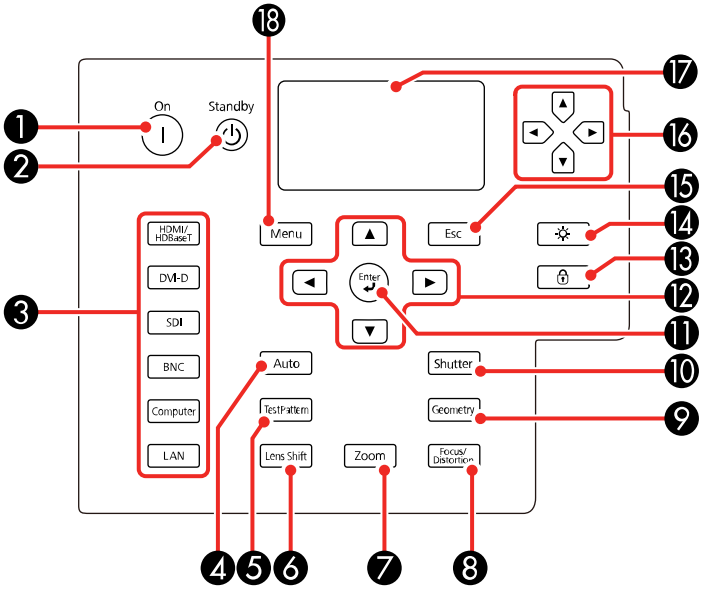
1 **BNC** ports
2 **Computer** port
3 **Monitor Out** port
4 Cable holder
5 **RS-232C** port
6 **Remote** port
7 **3G/HD/SD SDI** port
8 **Monitor Out SDI** port
9 **Service** port
10 **HDMI** port
11 Cable clip slot
12 **DVI-D** port
13 **HDBaseT** port
14 Network **LAN** port

Parent topic: Projector Part Locations

Related references

Optional Equipment and Replacement Parts

Projector Parts - Control Panel



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

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

3 Source buttons (select an image source)

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

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

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

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

8 **Focus/Distortion** button (adjusts the image focus/distortion)

9 **Geometry** button (adjusts the image shape)

10 **Shutter** button (turns input signal on or off temporarily)

11 **Enter** button (selects options)

12 Arrow buttons (move through on-screen options; adjust the focus, zoom, and lens shift)

13 Lock button (displays the Control Panel Lock screen)

14 Light button (lights up the control panel buttons and screen temporarily)

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

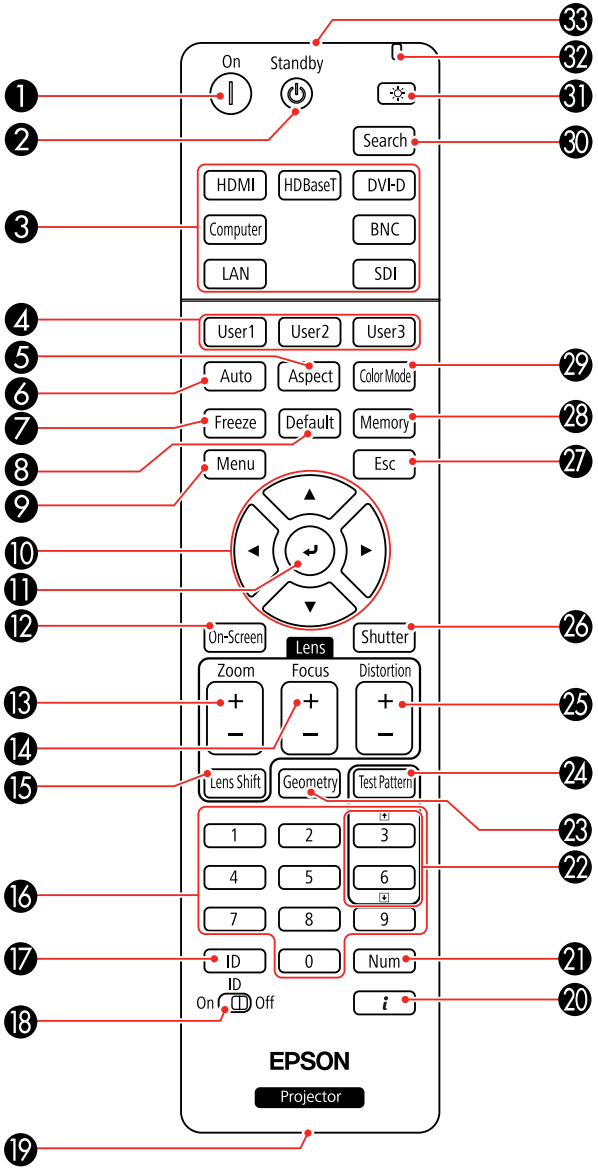
16 Arrow buttons (select status information settings)

17 Status display (displays projector status information)

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

Parent topic: Projector Part Locations

Projector Parts - Remote Control



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

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

3 Source buttons (select an image source)

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 and left mouse button)

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 Numeric buttons (enter numbers)

17 **ID** button (hold down and use numeric keys to select projector to control)

18 **ID** switch (selects control of one or all projectors)

19 Remote port (connects to a remote control cable)

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

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

22 Page up and down buttons (change the displayed test pattern; scroll through image files when projecting from a computer over a network connection)

23 **Geometry** button (corrects image shape)

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

25 **Distortion** button (corrects image distortion)

26 **Shutter** button (turns signal on or off temporarily)

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

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

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

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

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

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

33 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
Securing the Power Cord
Attaching and Removing the HDMI Cable Clip
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.

Warning: Note the following points when installing on a ceiling with a ceiling mount or in a high location. If installation work is not carried out correctly, the projector could fall down. This may result in injury or accidents.

- Since special techniques are required to install the projector on a ceiling and to handle the ceiling mount, make sure you contact a professional.
- Secure the mount with bolts using the handle securing section (6 points) on the top or base of the projector.
- To prevent the projector from falling, thread sufficiently strong wire rope and so on through the ceiling mount and secure to the ceiling.

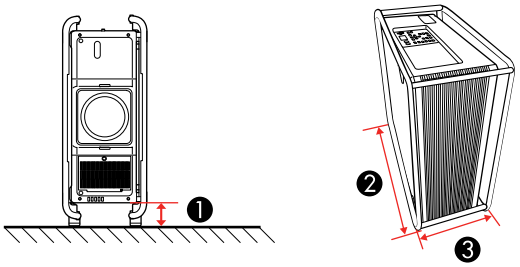
Keep these considerations in mind as you select a projector location:

- 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 at least 20 inches (50 cm) of space in front of the air exhaust and intake vents.

You can place the projector on its side to project a portrait image by attaching the optional mounting handle to the top of the projector. You can also remove the feet from the projector and attach them to the handles as shown here.

Caution: If you are setting up the projector with the intake vent on the bottom, be sure to leave the following amount of space around the projector.



1 3.9 inches (10 cm)

2 31.5 inches (80 cm)

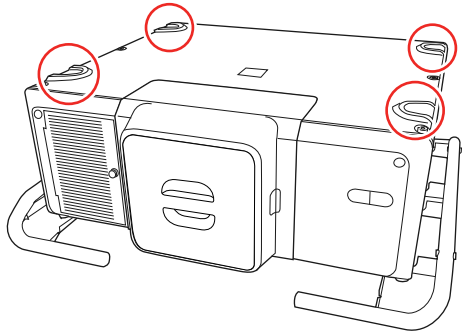
3 13.78 inches (35 cm)

If you are installing multiple projectors next to each other, be sure to leave at least 20 inches (50 cm) of space between the projectors. Also, make sure heated air from an exhaust vent does not go into the air intake vent of another projector.

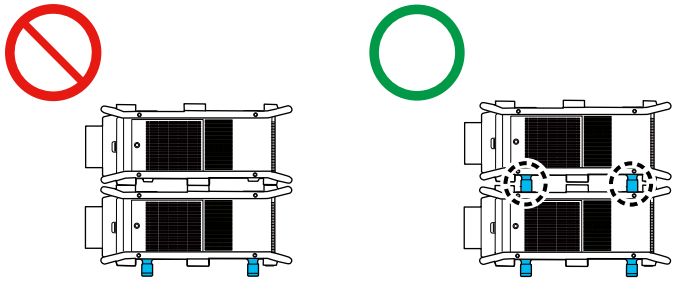
If you are stacking two projectors on top of one another, follow these guidelines:

- Do not stack more than two projectors
- The bottom projector must have the carrying handles installed on the top of the projector

- Align the top projector so that its feet are in the indentations on the bottom projector shown here.



- Do not remove the feet on the bottom of the projector



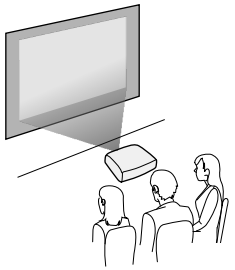
Projector Setup and Installation Options
Projection Distance

Parent topic: Setting Up the Projector

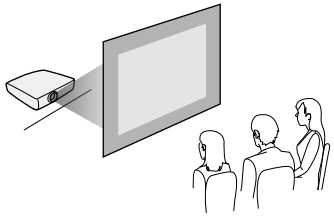
Projector Setup and Installation Options

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

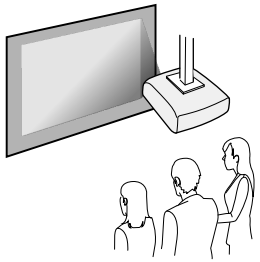
Front



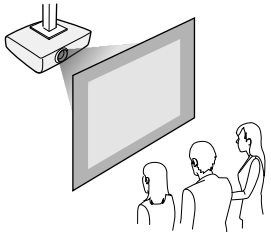
Rear



Front ceiling



Rear ceiling



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

You can switch the **Projection** setting between **Front** and **Front/Ceiling** or **Rear** and **Rear/Ceiling** by holding the **Shutter** button on the remote control for approximately 5 seconds.

Parent topic: Projector Placement

Related references

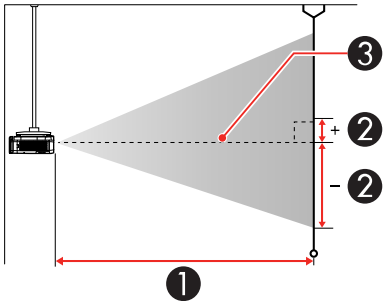
Projector Setup Settings - Extended Menu

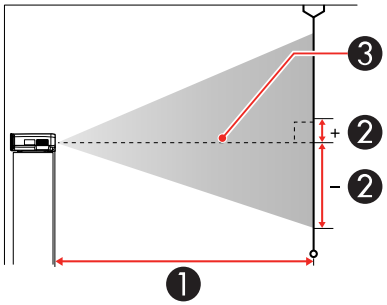
Projection Distance

The distance at which you place the projector from the screen determines the approximate size of the image. The image size increases the farther the projector is from the screen, but can vary depending on the zoom factor, aspect ratio, and other settings.

Use the tables here to determine approximately how far to place the projector from the screen based on the size of the projected image. (Conversion figures may have been rounded up or down.)

You can also use the projector Throw Distance Calculator at epson.com/support (U.S.) or epson.ca/support (Canada).





1 Projection distance

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

3 Center of lens

Rear-throw Zoom Lens (ELPLR05)

16:10 Aspect Ratio Image or Screen		
Screen or image size	**Projection distance (1)** **Wide to Tele (Minimum to Maximum)**	**Vertical lens shift (2)** **Top to bottom**
100 inches	49 to 49 inches (125 to 125 cm)	–35.6 to –17.4 inches (–90 to –44 cm)
120 inches	60 to 60 inches (152 to 152 cm)	–42.7 to –20.9 inches (–109 to –53 cm)
150 inches	76 to 76 inches (193 to 193 cm)	–53.4 to –26.1 inches (–136 to –66 cm)
200 inches	102 to 102 inches (260 to 260 cm)	–71.2 to –34.8 inches (–181 to –88 cm)
250 inches	129 to 129 inches (328 to 328 cm)	–89 to –43.3 inches (–226 to –110 cm)
1000 inches	528 to 528 inches (1342 to 1342 cm)	–356.1 to –173.9 inches (–904 to –442 cm)

16:9 Aspect Ratio Image or Screen		
Screen or image size	**Projection distance (1)** **Wide to Tele (Minimum to Maximum)**	**Vertical lens shift (2)** **Top to bottom**
100 inches	51 to 51 inches (129 to 129 cm)	–33.9 to –15.2 inches (–86 to –38 cm)
120 inches	62 to 62 inches (157 to 157 cm)	–40.7 to –18.2 inches (–103 to –46 cm)
150 inches	78 to 78 inches (198 to 198 cm)	–50.8 to –22.7 inches (–129 to –58 cm)

16:9 Aspect Ratio Image or Screen		
Screen or image size	**Projection distance (1)** **Wide to Tele (Minimum to Maximum)**	**Vertical lens shift (2)** **Top to bottom**
200 inches	105 to 105 inches (268 to 268 cm)	–67.8 to –30.3 inches (–172 to –77 cm)
250 inches	133 to 133 inches (337 to 337 cm)	–84.6 to –37.8 inches (–215 to –96 cm)
972 inches	528 to 528 inches (1341 to 1341 cm)	–329.3 to –147.3 inches (–836 to –374 cm)

4:3 Aspect Ratio Image or Screen		
Screen or image size	**Projection distance (1)** **Wide to Tele (Minimum to Maximum)**	**Vertical lens shift (2)** **Top to bottom**
90 inches	50 to 50 inches (128 to 128 cm)	–36.3 to –17.7 inches (–92 to –45 cm)
100 inches	56 to 56 inches (143 to 143 cm)	–40.3 to –19.7 inches (–102 to –50 cm)
120 inches	68 to 68 inches (174 to 174 cm)	–48.4 to –23.6 inches (–123 to –60 cm)
150 inches	86 to 86 inches (219 to 219 cm)	–60.5 to –29.5 inches (–154 to –75 cm)
200 inches	117 to 117 inches (296 to 296 cm)	–80.6 to –39.4 inches (–205 to –100 cm)
250 inches	147 to 147 inches (373 to 373 cm)	–100.8 to –49.2 inches (–256 to –125 cm)

4:3 Aspect Ratio Image or Screen		
Screen or image size	**Projection distance (1)** **Wide to Tele (Minimum to Maximum)**	**Vertical lens shift (2)** **Top to bottom**
883 inches	528 to 528 inches (1342 to 1342 cm)	–356 to –173.8 inches (–904 to –442 cm)

Ultra Short-throw Zoom Lens (ELPLX03)

16:10 Aspect Ratio Image or Screen		
Screen or image size	**Projection distance (1) (Wide)**	**Vertical lens shift (2)** **Top to bottom**
120 inches	35 inches (89 cm)	–3.2 to 12.7 inches (–8 to 32 cm)
150 inches	44 inches (112 cm)	–4 to 15.9 inches (–10 to 40 cm)
200 inches	59 inches (151 cm)	–5.3 to 21.2 inches (–13 to 54 cm)
300 inches	90 inches (228 cm)	–7.9 to 31.8 inches (–20 to 81 cm)
400 inches	120 inches (306 cm)	–10.6 to 42.4 inches (–27 to 108 cm)
500 inches	151 inches (384 cm)	–13.2 to 53 inches (–34 to 135 cm)
600 inches	182 inches (461 cm)	–15.9 to 63.6 inches (–40 to 162 cm)
700 inches	212 inches (539 cm)	–18.5 to 74.2 inches (–47 to 188 cm)

16:10 Aspect Ratio Image or Screen		
Screen or image size	**Projection distance (1) (Wide)**	**Vertical lens shift (2) Top to bottom**
800 inches	243 inches (616 cm)	–21.2 to 84.8 inches (–54 to 215 cm)
1000 inches	304 inches (771 cm)	–26.5 to 106 inches (–67 to 269 cm)

16:9 Aspect Ratio Image or Screen		
Screen or image size	**Projection distance (1) (Wide)**	**Vertical lens shift (2) Top to bottom**
117 inches	35 inches (89 cm)	0 to 15.9 inches (0 to 40 cm)
120 inches	36 inches (91 cm)	0 to 16.3 inches (0 to 42 cm)
130 inches	39 inches (99 cm)	0 to 17.7 inches (0 to 45 cm)
150 inches	45 inches (115 cm)	0 to 20.4 inches (0 to 52 cm)
200 inches	61 inches (155 cm)	0 to 27.2 inches (0 to 69 cm)
300 inches	92 inches (235 cm)	0 to 40.9 inches (0 to 104 cm)
400 inches	124 inches (315 cm)	0 to 54.5 inches (0 to 138 cm)
500 inches	155 inches (394 cm)	0 to 68.1 inches (0 to 173 cm)

16:9 Aspect Ratio Image or Screen		
Screen or image size	**Projection distance (1) (Wide)**	**Vertical lens shift (2)** **Top to bottom**
600 inches	187 inches (474 cm)	0 to 81.7 inches (0 to 208 cm)
800 inches	249 inches (633 cm)	0 to 108.9 inches (0 to 277 cm)
972 inches	303 inches (771 cm)	0 to 132.4 inches (0 to 336 cm)

4:3 Aspect Ratio Image or Screen		
Screen or image size	**Projection distance (1)** **Wide to Tele (Minimum to Maximum)**	**Vertical lens shift (2)** **Top to bottom**
106 inches	35 inches (89 cm)	–3.2 to 12.7 inches (–8 to 32 cm)
110 inches	36 inches (91 cm)	–3.3 to 13.2 inches (–8 to 34 cm)
120 inches	40 inches (101 cm)	–3.6 to 14.4 inches (–9 to 37 cm)
150 inches	50 inches (127 cm)	–4.5 to 18 inches (–11 to 46 cm)
200 inches	67 inches (171 cm)	–6 to 24 inches (–15 to 61 cm)
300 inches	102 inches (259 cm)	–9 to 36 inches (–23 to 91 cm)
400 inches	137 inches (347 cm)	–12 to 48 inches (–30 to 122 cm)

4:3 Aspect Ratio Image or Screen		
Screen or image size	**Projection distance (1)** **Wide to Tele (Minimum to Maximum)**	**Vertical lens shift (2)** **Top to bottom**
500 inches	171 inches (394 cm)	–15 to 60 inches (–38 to 152 cm)
600 inches	187 inches (474 cm)	–18 to 72 inches (–46 to 183 cm)
800 inches	249 inches (633 cm)	–24 to 96 inches (–61 to 244 cm)
883 inches	303 inches (771 cm)	–26.5 to 106 inches (–67 to 269 cm)

Short-throw Zoom Lens (ELPLU05)

16:10 Aspect Ratio Image or Screen		
Screen or image size	**Projection distance (1)** **Wide to Tele (Minimum to Maximum)**	**Vertical lens shift (2)** **Top to bottom**
100 inches	75 to 91 inches (191 to 232 cm)	–55.8 to 2.8 inches (–142 to 7 cm)
120 inches	91 to 110 inches (231 to 280 cm)	–66.9 to 3.3 inches (–170 to 8 cm)
150 inches	114 to 139 inches (290 to 352 cm)	–83.6 to 4.1 inches (–212 to 11 cm)
200 inches	153 to 186 inches (389 to 472 cm)	–111.5 to 5.5 inches (–283 to 14 cm)
250 inches	192 to 233 inches (488 to 591 cm)	–139.4 to 7.1 inches (–354 to 18 cm)

16:10 Aspect Ratio Image or Screen		
Screen or image size	**Projection distance (1)** **Wide to Tele (Minimum to Maximum)**	**Vertical lens shift (2)** **Top to bottom**
1000 inches	778 to 940 inches (1977 to 2387 cm)	–557.6 to 27.6 inches (–1416 to 70 cm)

16:9 Aspect Ratio Image or Screen		
Screen or image size	**Projection distance (1)** **Wide to Tele (Minimum to Maximum)**	**Vertical lens shift (2)** **Top to bottom**
100 inches	77 to 94 inches (196 to 239 cm)	–54.6 to 5.6 inches (–139 to 14 cm)
120 inches	93 to 113 inches (237 to 288 cm)	–65.5 to 6.7 inches (–166 to 17 cm)
150 inches	117 to 142 inches (298 to 362 cm)	–81.9 to 8.3 inches (–208 to 21 cm)
200 inches	158 to 191 inches (400 to 485 cm)	–109.2 to 11.1 inches (–277 to 28 cm)
250 inches	197 to 239 inches (502 to 608 cm)	–136.6 to 13.8 inches (–347 to 35 cm)
972 inches	777 to 939 inches (1975 to 2385 cm)	–530.6 to 54.1 inches (–1348 to 137 cm)

4:3 Aspect Ratio Image or Screen		
Screen or image size	**Projection distance (1)** **Wide to Tele (Minimum to Maximum)**	**Vertical lens shift (2)** **Top to bottom**
90 inches	77 to 93 inches (195 to 237 cm)	–56.8 to 2.8 inches (–144 to 7 cm)
100 inches	85 to 104 inches (217 to 264 cm)	–63.1 to 3.1 inches (–160 to 8 cm)
120 inches	103 to 125 inches (262 to 318 cm)	–75.8 to 3.8 inches (–192 to 10 cm)
150 inches	130 to 157 inches (329 to 399 cm)	–94.7 to 4.7 inches (–214 to 12 cm)
200 inches	174 to 211 inches (442 to 535 cm)	–126.3 to 6.3 inches (–321 to 16 cm)
250 inches	218.1 to 264 inches (554 to 670 cm)	–157.9 to 7.9 inches (–401 to 20 cm)
883 inches	778 to 939 inches (1976 to 2386 cm)	–557.4 to 27.6 inches (–1416 to 70 cm)

Wide-throw Zoom Lens (ELPLW07)

16:10 Aspect Ratio Image or Screen		
Screen or image size	**Projection distance (1)** **Wide to Tele (Minimum to Maximum)**	**Vertical lens shift (2)** **Top to bottom**
100 inches	106 to 147 inches (272 to 375 cm)	–61 to 8 inches (–155 to 20 cm)
120 inches	129 to 177 inches (328 to 452 cm)	–73.2 to 9.6 inches (–186 to 24 cm)

16:10 Aspect Ratio Image or Screen		
Screen or image size	**Projection distance (1)** **Wide to Tele (Minimum to Maximum)**	**Vertical lens shift (2)** **Top to bottom**
150 inches	162 to 222 inches (413 to 567 cm)	–91.5 to 12 inches (–232 to 30 cm)
200 inches	218 to 298 inches (554 to 760 cm)	–122 to 16 inches (–310 to 41 cm)
250 inches	273 to 374 inches (695 to 952 cm)	–152.4 to 20.1 inches (–387 to 51 cm)
1000 inches	1107 to 1509 inches (2812 to 3840 cm)	–610.1 to 80.1 inches (–1550 to 203 cm)

16:9 Aspect Ratio Image or Screen		
Screen or image size	**Projection distance (1)** **Wide to Tele (Minimum to Maximum)**	**Vertical lens shift (2)** **Top to bottom**
100 inches	110 to 151 inches (280 to 385 cm)	–60 to 11 inches (–152 to 28 cm)
120 inches	132 to 182 inches (338 to 464 cm)	–72 to 13.1 inches (–183 to 33 cm)
150 inches	167 to 229 inches (425 to 583 cm)	–90 to 16.4 inches (–229 to 42 cm)
200 inches	224 to 307 inches (570 to 781 cm)	–120 to 21.9 inches (–305 to 56 cm)
250 inches	281 to 385 inches (715 to 979 cm)	–150 to 27.6 inches (–381 to 70 cm)

16:9 Aspect Ratio Image or Screen		
Screen or image size	**Projection distance (1)** **Wide to Tele (Minimum to Maximum)**	**Vertical lens shift (2)** **Top to bottom**
972 inches	1106 to 1507 inches (2809 to 3836 cm)	–583 to 106.4 inches (–1481 to 270 cm)

4:3 Aspect Ratio Image or Screen		
Screen or image size	**Projection distance (1)** **Wide to Tele (Minimum to Maximum)**	**Vertical lens shift (2)** **Top to bottom**
90 inches	109 to 150 inches (277 to 382 cm)	–62.2 to 8.2 inches (–158 to 21 cm)
100 inches	121 to 167 inches (309 to 425 cm)	–69.1 to 9.1 inches (–175 to 23 cm)
120 inches	146 to 201 inches (373 to 513 cm)	–82.9 to 10.9 inches (–211 to 28 cm)
150 inches	184 to 252 inches (469 to 643 cm)	–103.6 to 13.6 inches (–263 to 35 cm)
200 inches	247 to 338 inches (629 to 861 cm)	–138.1 to 18.1 inches (–351 to 46 cm)
250 inches	310 to 425 inches (788 to 1079 cm)	–172.8 to 22.8 inches (–439 to 58 cm)
883 inches	1106 to 1508 inches (2811 to 3838 cm)	–609.8 to 80 inches (–1549 to 203 cm)

Middle-throw Zoom Lens #1 (ELPLM12)

16:10 Aspect Ratio Image or Screen		
Screen or image size	**Projection distance (1)** **Wide to Tele (Minimum to Maximum)**	**Vertical lens shift (2)** **Top to bottom**
100 inches	145 to 197 inches (386 to 500 cm)	–61 to 8 inches (–155 to 20 cm)
120 inches	175 to 237 inches (444 to 602 cm)	–73.2 to 9.6 inches (–186 to 24 cm)
150 inches	220 to 297 inches (558 to 755 cm)	–91.5 to 12 inches (–232 to 30 cm)
200 inches	295 to 398 inches (749 to 1011 cm)	–122 to 16 inches (–310 to 41 cm)
250 inches	369 to 499 inches (939 to 1267 cm)	–152.4 to 20.1 inches (–387 to 51 cm)
1000 inches	1493 to 2009 inches (3794 to 5103 cm)	–610.1 to 80.1 inches (–1550 to 203 cm)

16:9 Aspect Ratio Image or Screen		
Screen or image size	**Projection distance (1)** **Wide to Tele (Minimum to Maximum)**	**Vertical lens shift (2)** **Top to bottom**
100 inches	149 to 202 inches (379 to 514 cm)	–60 to 11 inches (–152 to 28 cm)
120 inches	180 to 244 inches (457 to 619 cm)	–72 to 13.1 inches (–183 to 33 cm)
150 inches	226 to 306 inches (574 to 777 cm)	–90 to 16.4 inches (–229 to 42 cm)

16:9 Aspect Ratio Image or Screen		
Screen or image size	**Projection distance (1)** **Wide to Tele (Minimum to Maximum)**	**Vertical lens shift (2)** **Top to bottom**
200 inches	303 to 409 inches (770 to 1040 cm)	–120 to 21.9 inches (–305 to 56 cm)
250 inches	380 to 513 inches (965 to 1302 cm)	–150 to 27.6 inches (–381 to 70 cm)
972 inches	1492 to 2007 inches (3791 to 5099 cm)	–583 to 106.4 inches (–1481 to 270 cm)

4:3 Aspect Ratio Image or Screen		
Screen or image size	**Projection distance (1)** **Wide to Tele (Minimum to Maximum)**	**Vertical lens shift (2)** **Top to bottom**
90 inches	148 to 200 inches (375 to 509 cm)	–62.2 to 8.2 inches (–158 to 21 cm)
100 inches	165 to 223 inches (418 to 567 cm)	–69.1 to 9.1 inches (–175 to 23 cm)
120 inches	198 to 269 inches (504 to 683 cm)	–82.9 to 10.9 inches (–211 to 28 cm)
150 inches	249 to 337 inches (634 to 857 cm)	–103.6 to 13.6 inches (–263 to 35 cm)
200 inches	334 to 451 inches (849 to 1146 cm)	–138.1 to 18.1 inches (–351 to 46 cm)
250 inches	419 to 565 inches (1065 to 1436 cm)	–172.8 to 22.8 inches (–439 to 58 cm)

4:3 Aspect Ratio Image or Screen		
Screen or image size	**Projection distance (1)** **Wide to Tele (Minimum to Maximum)**	**Vertical lens shift (2)** **Top to bottom**
883 inches	1492 to 2008 inches (3793 to 5102 cm)	–609.8 to 80 inches (–1549 to 203 cm)

Middle-throw Zoom Lens #2 (ELPLM13)

16:10 Aspect Ratio Image or Screen		
Screen or image size	**Projection distance (1)** **Wide to Tele (Minimum to Maximum)**	**Vertical lens shift (2)** **Top to bottom**
100 inches	195 to 293 inches (482 to 738 cm)	–61 to 8 inches (–155 to 20 cm)
120 inches	234 to 352 inches (582 to 889 cm)	–73.2 to 9.6 inches (–186 to 24 cm)
150 inches	292 to 440 inches (731 to 1115 cm)	–91.5 to 12 inches (–232 to 30 cm)
200 inches	390 to 587 inches (981 to 1492 cm)	–122 to 16 inches (–310 to 41 cm)
250 inches	485 to 736 inches (1231 to 1869 cm)	–152.4 to 20.1 inches (–387 to 51 cm)
1000 inches	1949 to 2933 inches (4975 to 7526 cm)	–610.1 to 80.1 inches (–1550 to 203 cm)

16:9 Aspect Ratio Image or Screen		
Screen or image size	**Projection distance (1)** **Wide to Tele (Minimum to Maximum)**	**Vertical lens shift (2)** **Top to bottom**
100 inches	200 to 301 inches (496 to 759 cm)	–60 to 11 inches (–152 to 28 cm)
120 inches	240 to 362 inches (598 to 914 cm)	–72 to 13.1 inches (–183 to 33 cm)
150 inches	300 to 452 inches (752 to 1147 cm)	–90 to 16.4 inches (–229 to 42 cm)
200 inches	401 to 603 inches (1009 to 1534 cm)	–120 to 21.9 inches (–305 to 56 cm)
250 inches	1498 to 757 inches (1265 to 1922 cm)	–150 to 27.6 inches (–381 to 70 cm)
972 inches	1947 to 2930 inches (4970 to 7519 cm)	–583 to 106.4 inches (–1481 to 270 cm)

4:3 Aspect Ratio Image or Screen		
Screen or image size	**Projection distance (1)** **Wide to Tele (Minimum to Maximum)**	**Vertical lens shift (2)** **Top to bottom**
90 inches	199 to 299 inches (491 to 752 cm)	–62.2 to 8.2 inches (–158 to 21 cm)
100 inches	221 to 332 inches (548 to 838 cm)	–69.1 to 9.1 inches (–175 to 23 cm)
120 inches	265 to 398 inches (661 to 1009 cm)	–82.9 to 10.9 inches (–211 to 28 cm)

4:3 Aspect Ratio Image or Screen		
Screen or image size	**Projection distance (1)** **Wide to Tele (Minimum to Maximum)**	**Vertical lens shift (2)** **Top to bottom**
150 inches	331 to 498 inches (830 to 1265 cm)	–103.6 to 13.6 inches (–263 to 35 cm)
200 inches	441 to 664 inches (1113 to 1692 cm)	–138.1 to 18.1 inches (–351 to 46 cm)
250 inches	550 to 833.9 inches (1396 to 2118 cm)	–172.8 to 22.8 inches (–439 to 58 cm)
883 inches	1948 to 2932 inches (4973 to 7523 cm)	–609.8 to 80 inches (–1549 to 203 cm)

Middle-throw Zoom Lens #3 (ELPLM14)

16:10 Aspect Ratio Image or Screen		
Screen or image size	**Projection distance (1)** **Wide to Tele (Minimum to Maximum)**	**Vertical lens shift (2)** **Top to bottom**
100 inches	289 to 433 inches (735 to 1100 cm)	–61 to 8 inches (–155 to 20 cm)
120 inches	347 to 520 inches (882 to 1320 cm)	–73.2 to 99.6 inches (–186 to 24 cm)
150 inches	434 to 650 inches (1103 to 1650 cm)	–91.5 to 12 inches (–232 to 30 cm)
200 inches	579 to 866 inches (1470 to 2200 cm)	–122 to 16 inches (–310 to 41 cm)
250 inches	724 to 1083 inches (1838 to 2750 cm)	–152.4 to 20.1 inches (–387 to 51 cm)

16:10 Aspect Ratio Image or Screen		
Screen or image size	**Projection distance (1)** **Wide to Tele (Minimum to Maximum)**	**Vertical lens shift (2)** **Top to bottom**
1000 inches	2894 to 4331 inches (7350 to 11000 cm)	–610.1 to 80.1 inches (–1550 to 203 cm)

16:9 Aspect Ratio Image or Screen		
Screen or image size	**Projection distance (1)** **Wide to Tele (Minimum to Maximum)**	**Vertical lens shift (2)** **Top to bottom**
100 inches	297 to 445 inches (755 to 1131 cm)	–60 to 11 inches (–152 to 28 cm)
120 inches	357 to 534 inches (907 to 1357 cm)	–72 to 13.1 inches (–183 to 33 cm)
150 inches	446 to 668 inches (1133 to 1696 cm)	–90 to 16.4 inches (–229 to 42 cm)
200 inches	595 to 890 inches (1511 to 2261 cm)	–120 to 21.9 inches (–305 to 56 cm)
250 inches	743 to 112.6 inches (1889 to 2826 cm)	–150 to 27.6 inches (–381 to 70 cm)
972 inches	2891 to 4326 inches (7343 to 10989 cm)	–583 to 106.4 inches (–1481 to 270 cm)

4:3 Aspect Ratio Image or Screen		
Screen or image size	**Projection distance (1)** **Wide to Tele (Minimum to Maximum)**	**Vertical lens shift (2)** **Top to bottom**
90 inches	295 to 441 inches (749 to 1121 cm)	–62.2 to 8.2 inches (–158 to 21 cm)
100 inches	328 to 490 inches (832 to 1245 cm)	–69.1 to 9.1 inches (–175 to 23 cm)
120 inches	393 to 588 inches (998 to 1494 cm)	–82.9 to 10.9 inches (–211 to 28 cm)
150 inches	491 to 735 inches (1248 to 1868 cm)	–103.6 to 13.6 inches (–263 to 35 cm)
200 inches	655 to 981 inches (1664 to 2491 cm)	–138.1 to 18.1 inches (–351 to 46 cm)
250 inches	819 to 1226 inches (2080 to 3113 cm)	–172.8 to 22.8 inches (–439 to 58 cm)
883 inches	2893 to 4329 inches (7347 to 10996 cm)	–609.8 to 80 inches (–1549 to 203 cm)

Long-throw Zoom Lens #1 (ELPLL09)

16:10 Aspect Ratio Image or Screen		
Screen or image size	**Projection distance (1)** **Wide to Tele (Minimum to Maximum)**	**Vertical lens shift (2)** **Top to bottom**
100 inches	415 to 619 inches (1054 to 1574 cm)	–55.8 to 2.8 inches (–142 to 7 cm)
120 inches	494 to 740 inches (1256 to 1879 cm)	–66.9 to 3.3 inches (–170 to 8 cm)

16:10 Aspect Ratio Image or Screen		
Screen or image size	**Projection distance (1)** **Wide to Tele (Minimum to Maximum)**	**Vertical lens shift (2)** **Top to bottom**
150 inches	614 to 921 inches (1559 to 2338 cm)	–83.6 to 4.1 inches (–212 to 11 cm)
200 inches	812 to 1222 inches (2064 to 3103 cm)	–111.5 to 5.5 inches (–283 to 14 cm)
250 inches	1011 to 1523 inches (2569 to 3868 cm)	–139.4 to 7.1 inches (–354 to 18 cm)
1000 inches	3993 to 6040 inches (10142 to 15342 cm)	–557.6 to 27.6 inches (–1416 to 70 cm)

16:9 Aspect Ratio Image or Screen		
Screen or image size	**Projection distance (1)** **Wide to Tele (Minimum to Maximum)**	**Vertical lens shift (2)** **Top to bottom**
100 inches	426 to 636 inches (1082 to 1616 cm)	–54.6 to 5.6 inches (–139 to 14 cm)
120 inches	508 to 760 inches (1289 to 1931 cm)	–65.5 to 6.7 inches (–166 to 17 cm)
150 inches	630 to 946 inches (1601 to 2402 cm)	–81.9 to 8.3 inches (–208 to 21 cm)
200 inches	835 to 1255 inches (2120 to 3188 cm)	–109.2 to 11.1 inches (–277 to 28 cm)
250 inches	1038 to 1565 inches (2639 to 3975 cm)	–136.6 to 13.8 inches (–347 to 35 cm)

16:9 Aspect Ratio Image or Screen		
Screen or image size	**Projection distance (1)** **Wide to Tele (Minimum to Maximum)**	**Vertical lens shift (2)** **Top to bottom**
1000 inches	3989 to 6034 inches (10133 to 15327 cm)	–530.6 to 54.1 inches (–1348 to 137 cm)

4:3 Aspect Ratio Image or Screen		
Screen or image size	**Projection distance (1)** **Wide to Tele (Minimum to Maximum)**	**Vertical lens shift (2)** **Top to bottom**
90 inches	422 to 631 inches (1073 to 1602 cm)	–56.8 to 2.8 inches (–144 to 7 cm)
100 inches	467 to 699 inches (1187 to 1776 cm)	–63.1 to 3.1 inches (–160 to 8 cm)
120 inches	557 to 835 inches (1416 to 2122 cm)	–75.8 to 3.8 inches (–192 to 10 cm)
150 inches	692 to 1040 inches (1759 to 2642 cm)	–94.7 to 4.7 inches (–241 to 12 cm)
200 inches	917 to 1381 inches (2330 to 3508 cm)	–126.3 to 6.3 inches (–321 to 16 cm)
250 inches	1143 to 1722 inches (2902 to 4373 cm)	–158 to 7.9 inches (–401 to 20 cm)
883 inches	3992 to 6038 inches (10139 to 15337 cm)	–557.4 to 27.6 inches (–1416 to 70 cm)

Long-throw Zoom Lens #2 (ELPLL10)

16:10 Aspect Ratio Image or Screen		
Screen or image size	**Projection distance (1)** **Wide to Tele (Minimum to Maximum)**	**Vertical lens shift (2)** **Top to bottom**
100 inches	604 to 899 inches (1533 to 2284 cm)	–55.8 to 2.8 inches (–142 to 7 cm)
120 inches	719 to 1074 inches (1826 to 2727 cm)	–66.9 to 3.3 inches (–170 to 8 cm)
150 inches	892 to 1336 inches (2265 to 3392 cm)	–83.6 to 4.1 inches (–212 to 11 cm)
200 inches	1180 to 1772 inches (2997 to 4500 cm)	–111.5 to 5.5 inches (–283 to 14 cm)
250 inches	1468 to 2208 inches (3728 to 5608 cm)	–139.4 to 7.1 inches (–354 to 18 cm)
1000 inches	5788 to 8750 inches (14701 to 22225 cm)	–557.6 to 27.6 inches (–1416 to 70 cm)

16:9 Aspect Ratio Image or Screen		
Screen or image size	**Projection distance (1)** **Wide to Tele (Minimum to Maximum)**	**Vertical lens shift (2)** **Top to bottom**
100 inches	620 to 924 inches (1574 to 2346 cm)	–54.6 to 5.6 inches (–139 to 14 cm)
120 inches	738 to 1103 inches (1875 to 2801 cm)	–65.5 to 6.7 inches (–166 to 17 cm)
150 inches	916 to 1372 inches (2326 to 3485 cm)	–81.9 to 8.3 inches (–208 to 21 cm)

16:9 Aspect Ratio Image or Screen		
Screen or image size	**Projection distance (1)** **Wide to Tele (Minimum to Maximum)**	**Vertical lens shift (2)** **Top to bottom**
200 inches	1212 to 1820 inches (3078 to 4623 cm)	–109.2 to 11.1 inches (–277 to 28 cm)
250 inches	1508 to 2269 inches (3830 to 5762 cm)	–136.6 to 13.8 inches (–347 to 35 cm)
972 inches	5782 to 8742 inches (14687 to 22204 cm)	–530.6 to 54.1 inches (–1348 to 137 cm)

4:3 Aspect Ratio Image or Screen		
Screen or image size	**Projection distance (1)** **Wide to Tele (Minimum to Maximum)**	**Vertical lens shift (2)** **Top to bottom**
90 inches	615 to 916 inches (1561 to 2326 cm)	–56.8 to 2.8 inches (–144 to 7 cm)
100 inches	680 to 1015 inches (1727 to 2577 cm)	–63.1 to 3.1 inches (–160 to 8 cm)
120 inches	810 to 1212 inches (2058 to 3079 cm)	–75.8 to 3.8 inches (–192 to 10 cm)
150 inches	1006 to 1508 inches (2555 to 3831 cm)	–94.7 to 4.7 inches (–241 to 12 cm)
200 inches	1332 to 2002 inches (3383 to 5085 cm)	–126.3 to 6.3 inches (–321 to 16 cm)
250 inches	1658 to 2496 inches (4211 to 6339 cm)	–157.9 to 7.9 inches (–401 to 20 cm)

4:3 Aspect Ratio Image or Screen		
Screen or image size	**Projection distance (1)** **Wide to Tele (Minimum to Maximum)**	**Vertical lens shift (2)** **Top to bottom**
883 inches	5786 to 8747 inches (14695 to 22217 cm)	–557.4 to 27.6 inches (–1416 to 70 cm)

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

Parent topic: Setting Up the Projector

Related references

Projector Setup Settings - Extended Menu

Connecting to Video Sources

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

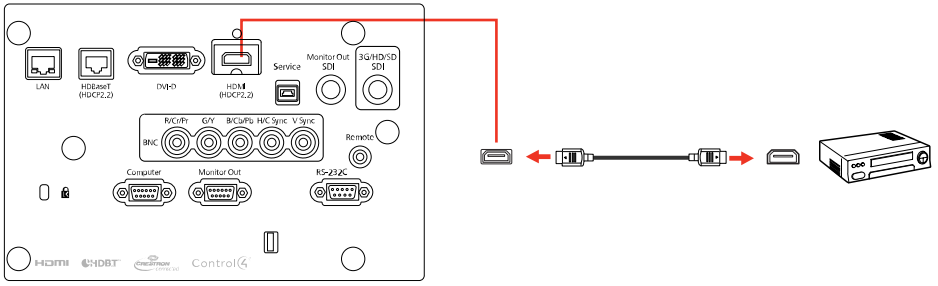
Connecting to an HDMI Video Source
Connecting to a Component-to-BNC Video Source
Connecting to a Component Video Source
Connecting to an SDI Video Source

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** port.

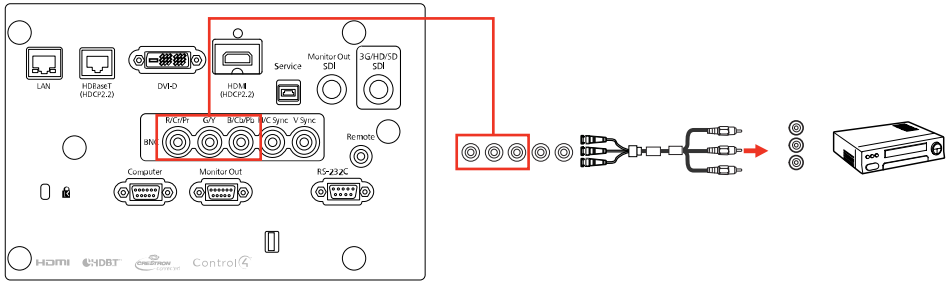


Parent topic: Connecting to Video Sources

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.

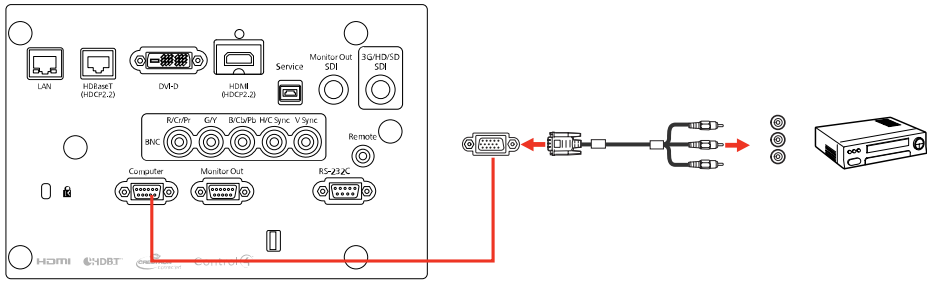


Parent topic: Connecting to Video Sources

Connecting to a Component Video Source

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

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



3. Tighten the screws on the VGA connector.

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

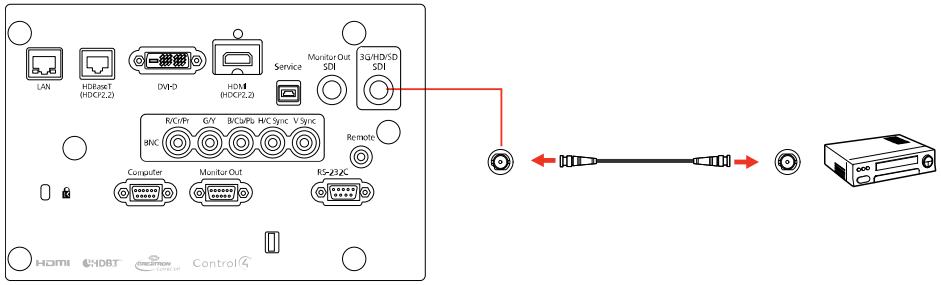
Input Signal Settings - Signal Menu

Connecting to an SDI Video Source

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 **3G/HD/SD SDI** port.



Parent topic: Connecting to Video Sources

Related references

Projector Setup Settings - Extended Menu

Connecting to Computer Sources

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

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

Parent topic: Projector Connections

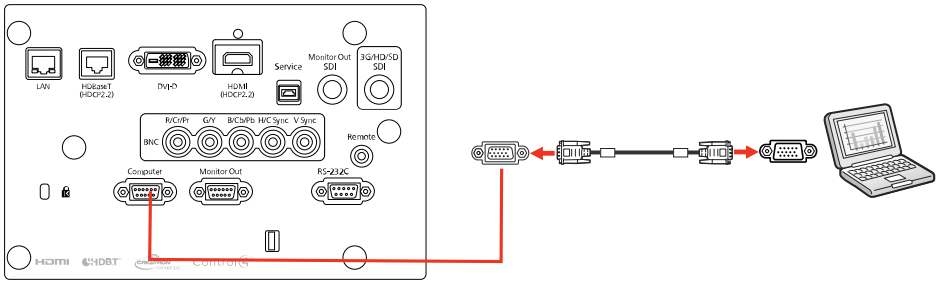
Connecting to a Computer for VGA Video

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

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

1. If necessary, disconnect your computer's monitor cable.
2. Connect the VGA computer cable to your computer's monitor port.

3. Connect the other end to the **Computer** port on the projector.



4. Tighten the screws on the VGA connector.

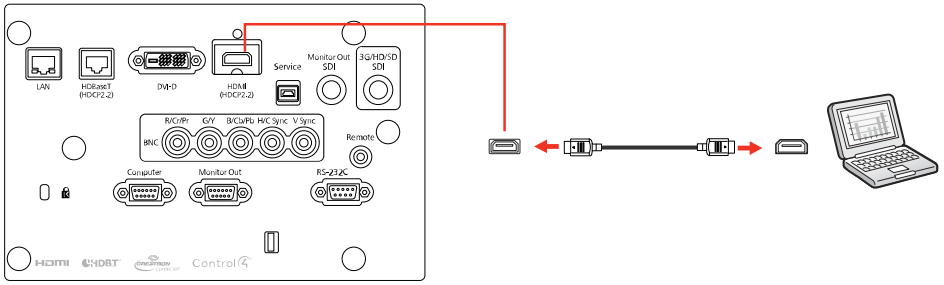
Parent topic: Connecting to Computer Sources

Connecting to a Computer for HDMI Video

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

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

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

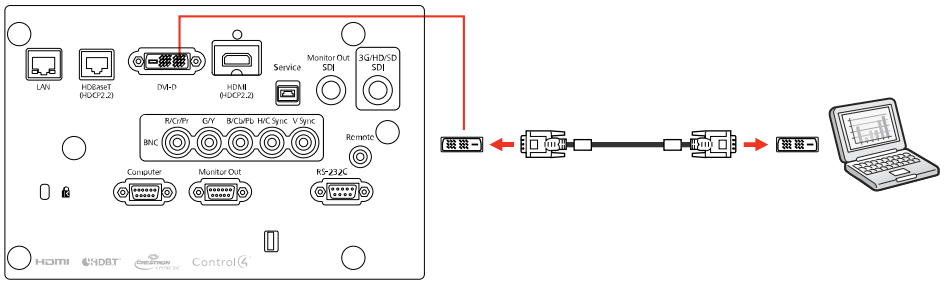


Parent topic: Connecting to Computer Sources

Connecting to a Computer for DVI-D Video

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

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

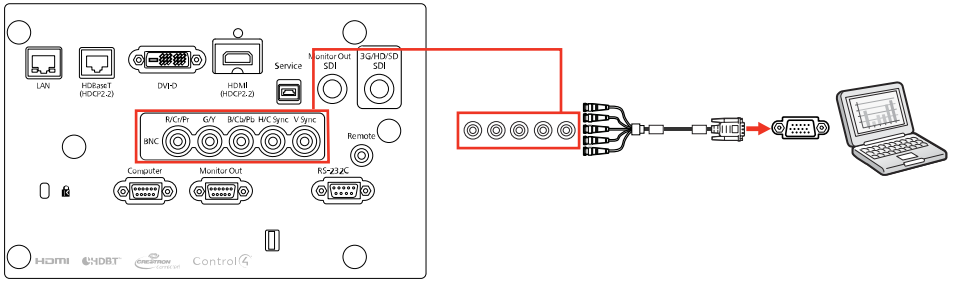


Parent topic: Connecting to Computer Sources

Connecting to a Computer for 5 BNC Video

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

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



Parent topic: Connecting to Computer Sources

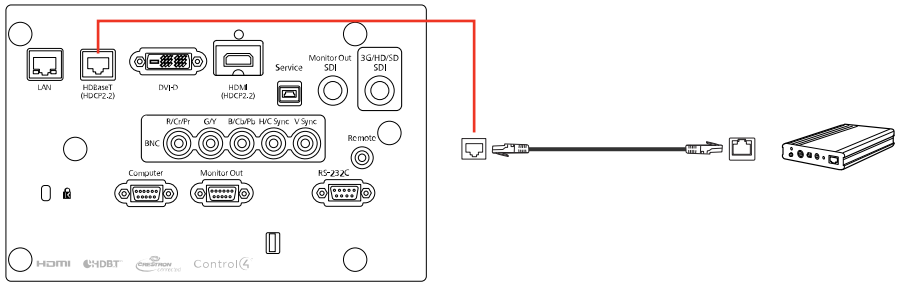
Connecting to an HDBaseT Transmitter

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.



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

4. Turn on the projector and HDBaseT transmitter.

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

Parent topic: Projector Connections

Related references

Projector Setup Settings - Extended Menu

Connecting to an External Computer Monitor

If you connected a computer to the projector's **Computer** or **BNC** port, or a video source to the projector's **3G/HD/SD SDI** port, you can also connect an external monitor to the projector. This lets you see your presentation on the external monitor even when the projected image is not visible.

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

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

1. Make sure your computer or video source is connected to the projector's **Computer**, **BNC**, or **3G/HD/SD SDI** port.
2. Connect the external monitor's cable to your projector's **Monitor Out** (for computer or BNC sources) or **Monitor Out SDI** (for SDI sources) port.

   Note: If you do not see an image on the external monitor when projecting from a computer or BNC source, you may need to change the **Monitor Out** setting in the Extended menu.

Parent topic: Projector Connections

Related references

Projector Setup Settings - Extended Menu

Attaching and Removing a Lens

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

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

Attaching a Lens
Removing a Lens

Parent topic: Setting Up the Projector

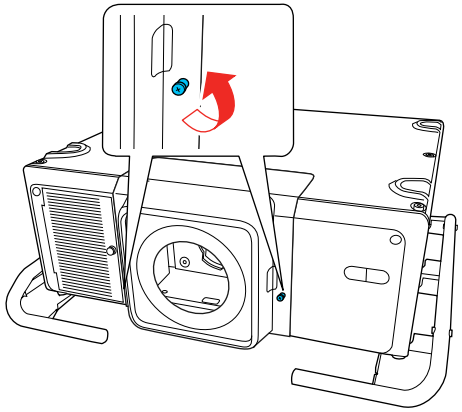
Attaching a Lens

You can attach a compatible lens to the projector.

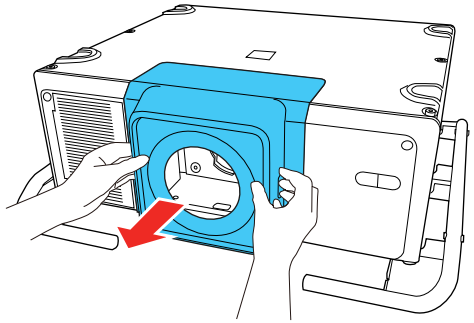
1. Turn off the projector and unplug the power cord.

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

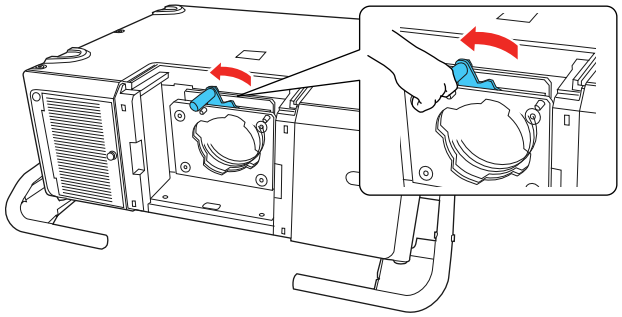
2. Loosen the lens cover screws by hand.



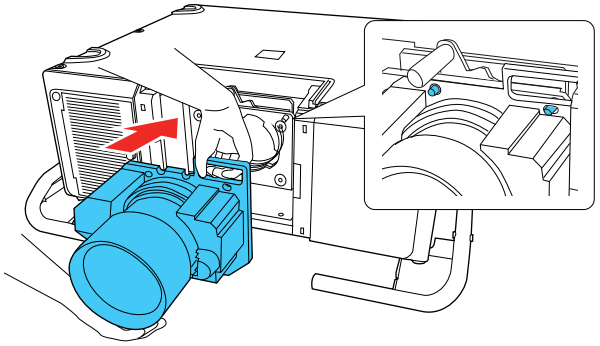
3. Press the tabs on both sides of the lens cover and pull the lens cover off the projector.



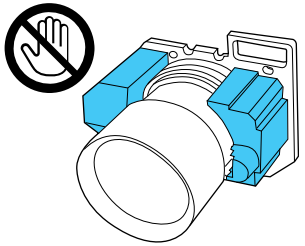
4. Slide the lock lever to the left.



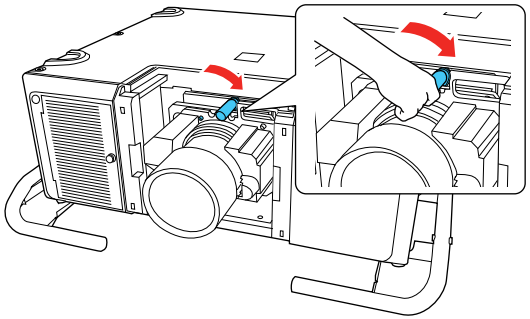
5. Insert the lens unit straight into the projector's lens socket. Make sure the two protruding points in the lens socket fit into the holes on the lens unit.



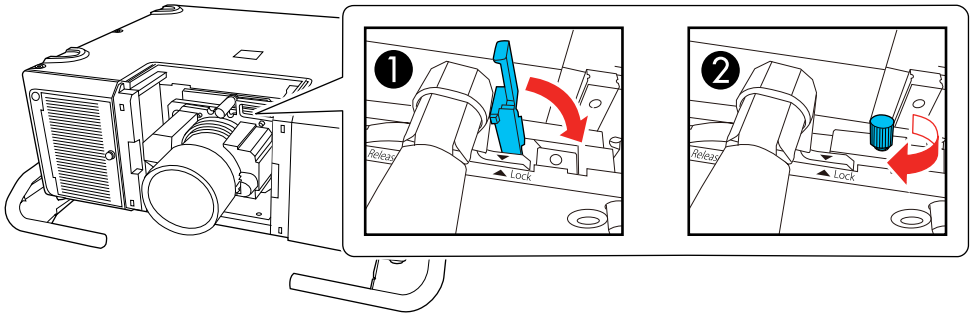
Caution: Avoid touching the areas shown here or you may damage the lens unit.



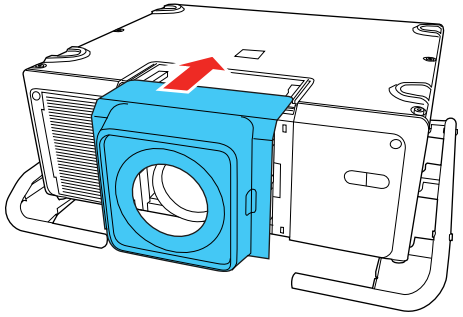
6. Hold the lens unit firmly and slide the lock lever to the right until it clicks, indicating that it is locked.



Note: You can tighten the screw by hand to secure the lever.



7. Replace the lens cover.



8. 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 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, remove the lens and reinstall it. If the message still appears, turn off the projector, unplug the power cord, and contact Epson.

   If the projector cannot determine the model number of your lens, you cannot perform lens calibration.

Parent topic: Attaching and Removing a Lens

Related references

Projector Setup Settings - Extended Menu

Removing a Lens

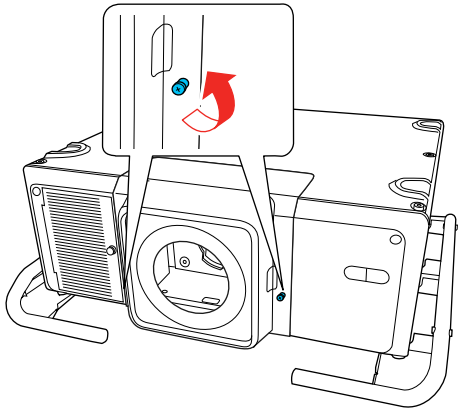
You can remove a lens to replace it with a different lens.

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.

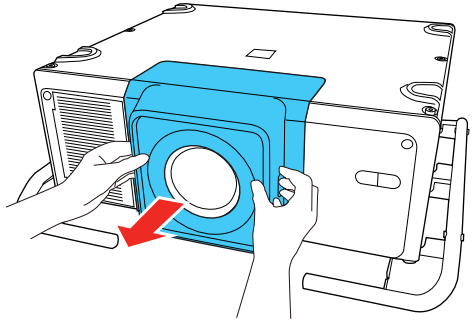
1. Center the lens using the **Lens Shift** button.
2. Turn off the projector and unplug the power cord.

   Warning: Wait approximately 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.

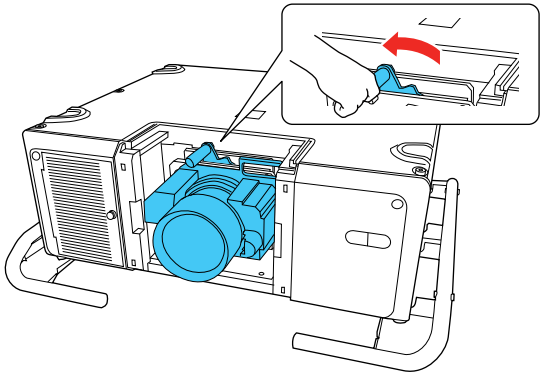
3. Loosen the lens cover screws by hand.



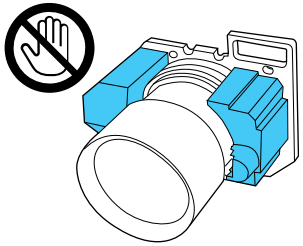
4. Press the tabs on both sides of the lens cover and pull the lens cover off the projector.



5. Hold the lens unit firmly as you slide the lock lever to the left.

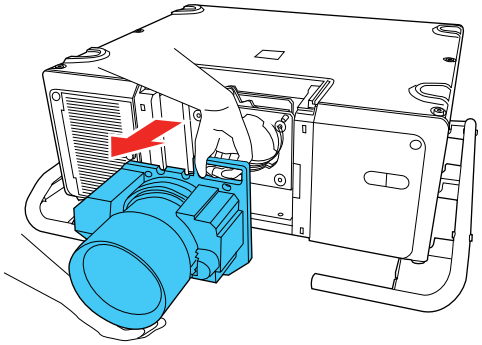


Caution: Avoid touching the areas shown here or you may damage the lens unit.



Note: If you tightened the locking screw, loosen the screw first.

6. Gently pull the lens straight out of the projector.



Parent topic: Attaching and Removing a Lens

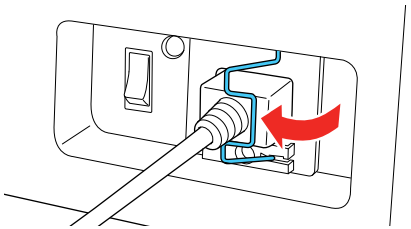
Related tasks

Adjusting the Image Position Using Lens Shift

Securing the Power Cord

You can provide additional support to the power cord by securing it with the power cord holder.

1. Plug in the power cord.
2. Flip the power cord holder over the power cord as shown.

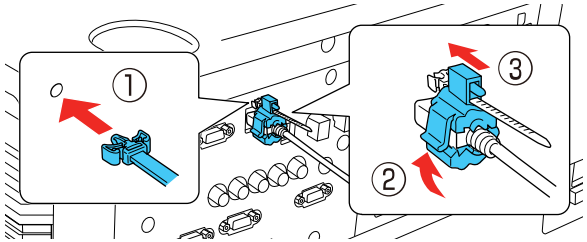


Parent topic: Setting Up the Projector

Attaching and Removing the HDMI Cable Clip

You can install the HDMI cable clip that came with your projector to provide additional support to the HDMI cable.

1. Plug in the HDMI cable.
2. Insert the end of the cable clip anchor into the cable clip slot near the **HDMI** port.



3. Place the open cable clip around the HDMI cable, but don't lock it into place.
4. Slide the cable clip onto the anchor and lock the clip onto the HDMI connector.

To remove the cable clip, open the clip and disconnect the HDMI cable. Then pinch the sides of the cable clip anchor and carefully pull it out of the cable clip slot.

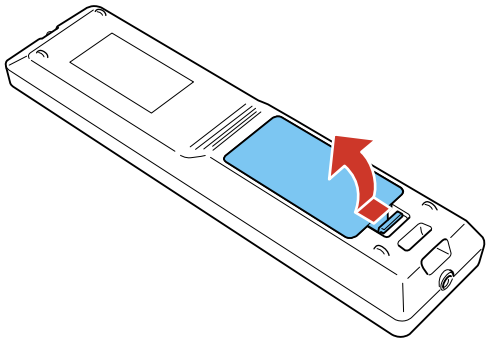
Parent topic: Setting Up the Projector

Installing Batteries in the Remote Control

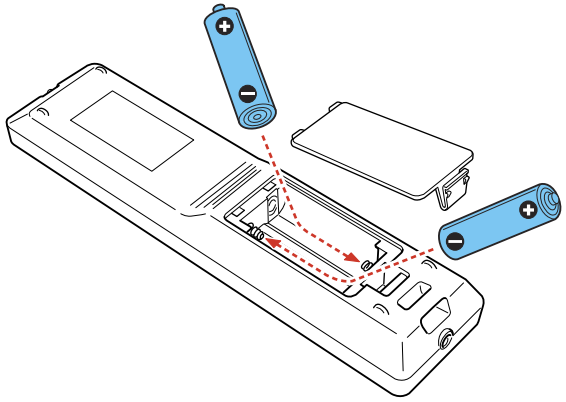
The remote control uses the two AA batteries that came with the projector.

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.

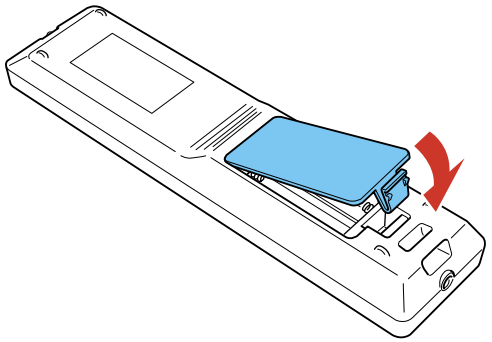


2. Insert the batteries with the **+** and **–** ends facing as shown.



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.

Note: Epson iProjection is not recommended for use with streaming video.

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.

You can use Epson iProjection to project static images and presentations over a wired network.

Note: Epson iProjection is not recommended for use with streaming video.

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

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

Connecting to a Wired Network
Selecting Wired Network Settings

Parent topic: Using the Projector on a Network

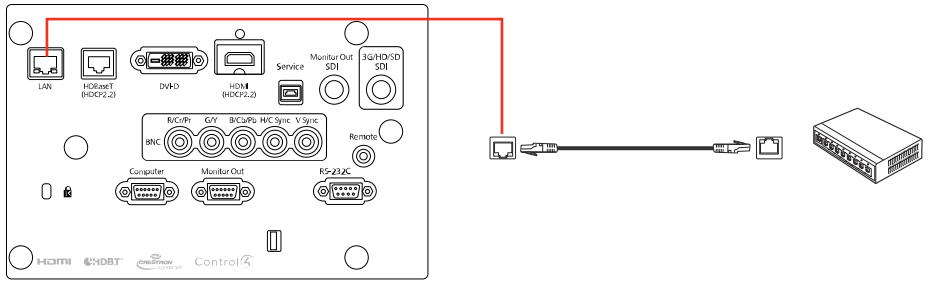
Related references

Additional Projector Software and Manuals

Connecting to a Wired Network

To connect the projector to a wired local area network (LAN), use a 100Base-TX or 10Base-T network cable. To ensure proper data transmission, use a Category 5 shielded cable or higher.

1. Connect one end of the network cable to your network hub, switch, or router.
2. Connect the other end of the cable to the projector's **LAN** port.



Parent topic: Wired Network Projection

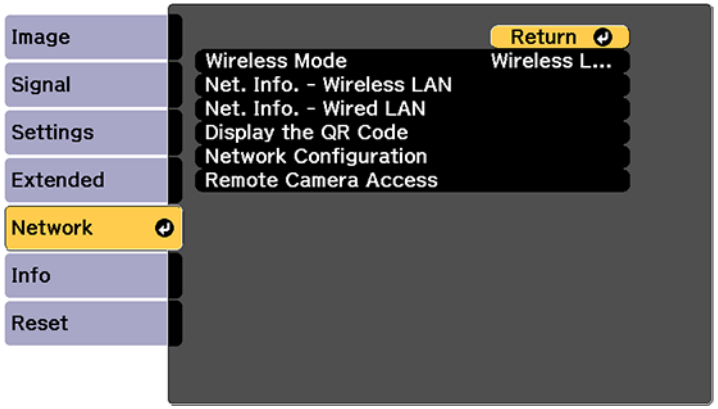
Selecting Wired Network Settings

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

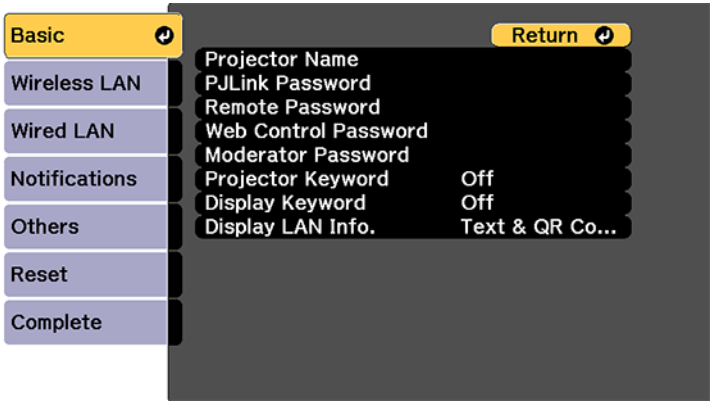
Note: Make sure you already connected the projector to your wired network using the **LAN** port.

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

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



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

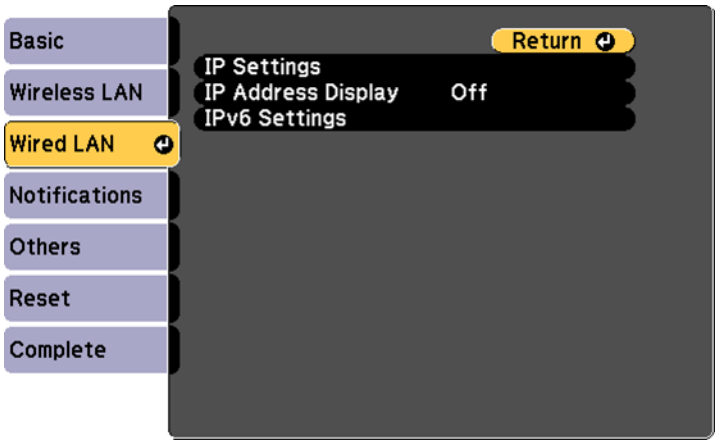


6. Select the following basic options as necessary:
   - **Projector Name** lets you enter a name up to 16 alphanumeric characters long to identify the projector over the network.
   - **PJLink Password** lets you enter a password up to 32 alphanumeric characters long for using the PJLink protocol for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

- **Remote Password** lets you enter a password up to 8 alphanumeric characters long for accessing the Remote or Basic Control 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 using the Epson iProjection app.
- **Display Keyword** lets you display a keyword on the projected image when accessing the projector from a computer using the Epson iProjection (Windows/Mac) software or an iOS or Android device using the Epson iProjection app.
- **Display LAN Info** lets you select how the projector displays network information. You can select an option to display a QR code that lets you quickly connect your iOS or Android devices using the Epson iProjection app.

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

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

Parent topic: Wired Network Projection

Wireless Network Projection

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

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

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.

You can use Epson iProjection to project static images and presentations over a wireless network.

Note: Make sure to set the date and time before using the projector's Network menus.

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

Parent topic: Using the Projector on a Network

Related references

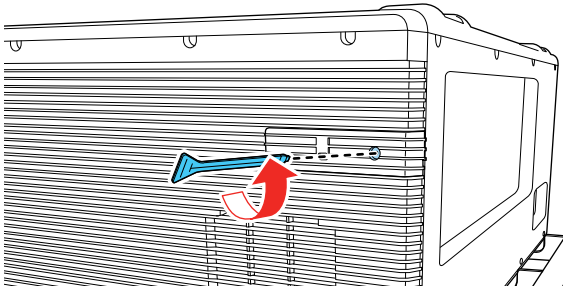
Additional Projector Software and Manuals

Installing the Wireless LAN Module

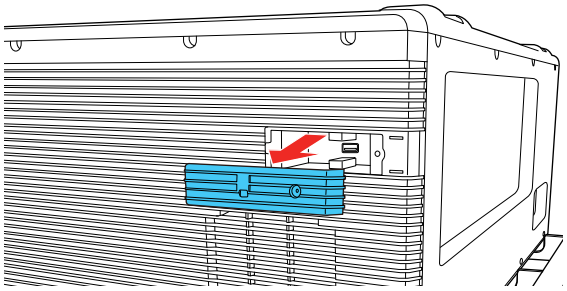
To use the projector over a wireless network, install the optional Epson 802.11b/g/n wireless LAN module. Do not install any other type of wireless LAN module.

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

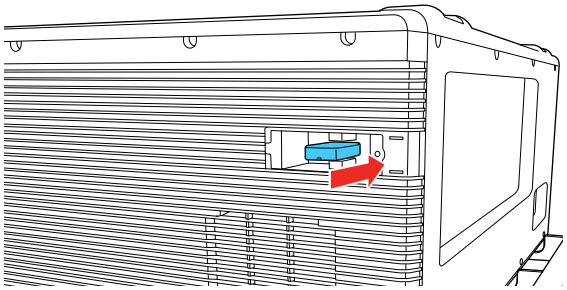
1. Remove the screw securing the wireless LAN module port cover.



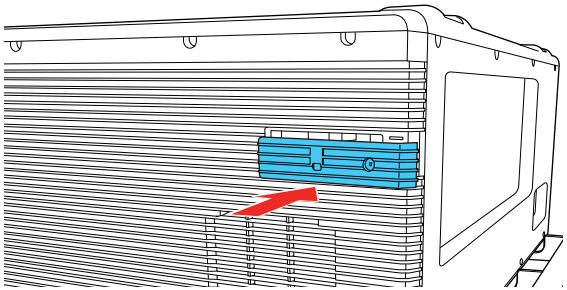
2. Remove the wireless LAN module port cover.



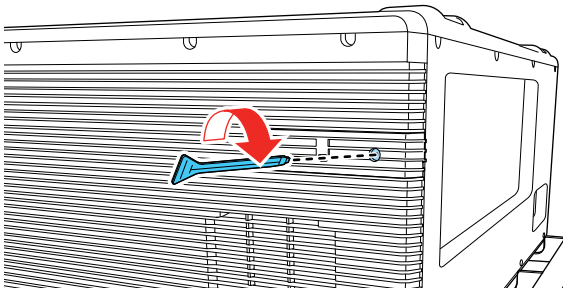
3. Insert the wireless LAN module into the port.



4. Replace the wireless LAN module port cover.



5. Secure the wireless LAN module port cover using the screw you removed.



Parent topic: Wireless Network Projection

Related references

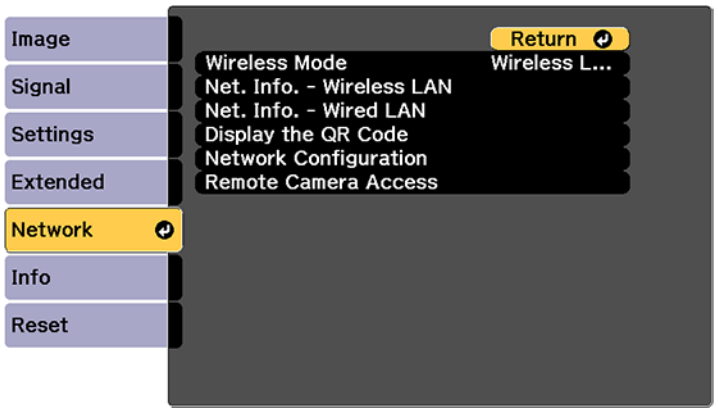
Optional Equipment and Replacement Parts

Using a QR Code to Connect a Mobile Device

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

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

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



3. Select **Network Configuration** and press **Enter**.
4. Select the **Basic** menu and press **Enter**.
5. Set the **Display LAN Info** setting to **Text & QR Code**.
6. Select **Complete** and follow the on-screen instructions to save your settings and exit the menus.
7. Do one of the following:
   - Press the **LAN** button on the remote control.
   - Select **Display the QR Code** in the projector's Network menu.

Your projector displays the QR code on the projection surface.

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

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

Parent topic: Wireless Network Projection

Related references

Additional Projector Software and Manuals

Using Quick Wireless Connection (Windows)

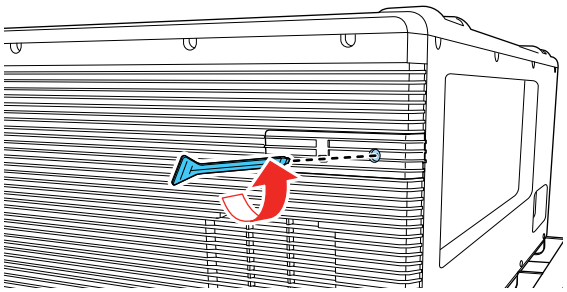
You can create a Quick Wireless Connection USB Key to quickly connect the projector to a Windows computer wirelessly. Then you can project your presentation and remove the key when you are done.

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

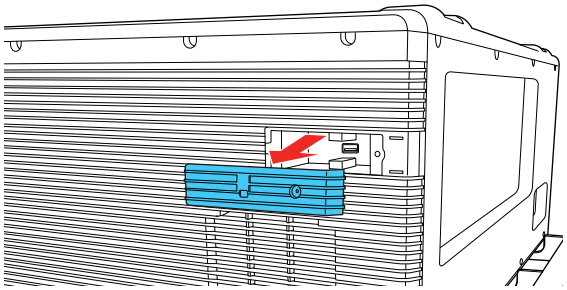
1. Create a Quick Wireless Connection USB Key with a USB flash drive and the Epson iProjection (Windows) software.

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

2. Remove the screw securing the wireless LAN module port cover.

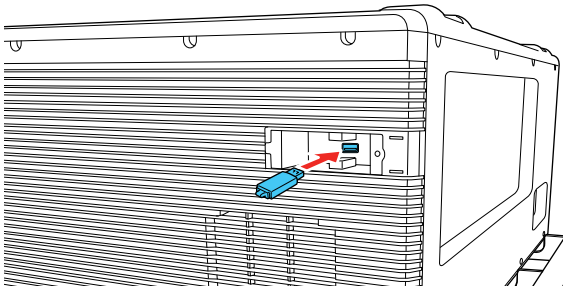


3. Remove the wireless LAN module port cover.



4. Make sure the wireless LAN module is installed in your projector.
5. Turn on the projector.
6. Press the **LAN** button on the remote control.

   The LAN standby screen is displayed.
7. Verify the SSID and IP address.
8. Insert the Quick Wireless Connection USB key into the same port used for the wireless LAN module.



   You see a projected message that the network information update is complete.
9. Remove the USB key.
10. Reinsert the wireless LAN module into the projector.
11. Replace the wireless LAN module port cover.
12. Insert the USB key into a USB port on your computer.

13. 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.
14. Run your presentation as necessary.
15. 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

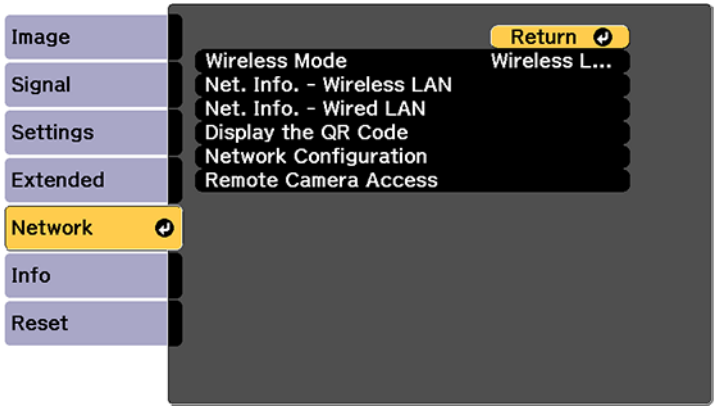
Additional Projector Software and Manuals
Projector Parts - Interface Ports

Selecting Wireless Network Settings Manually

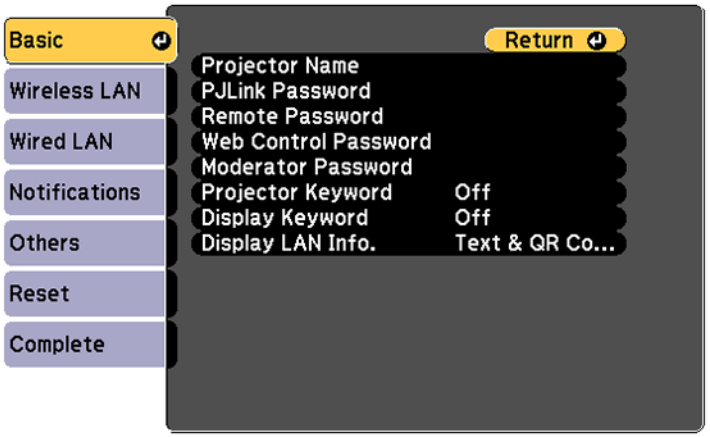
Before you can project from your wireless network, you must select the network settings for the projector using its menu system.

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**.

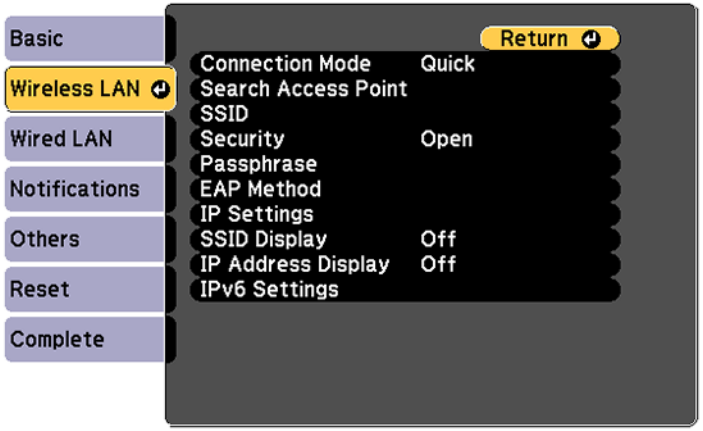


7. Select the following basic options as necessary:
   - **Projector Name** lets you enter a name up to 16 alphanumeric characters long to identify the projector over the network.

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

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

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



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

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

Wireless LAN Menu Settings

Parent topic: Wireless Network Projection

Wireless LAN Menu Settings

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

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

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

Parent topic: Selecting Wireless Network Settings Manually

Selecting Wireless Network Settings in Windows

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

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

Parent topic: Wireless Network Projection

Selecting Wireless Network Settings on Mac

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

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

Parent topic: Wireless Network Projection

Setting Up Wireless Network Security

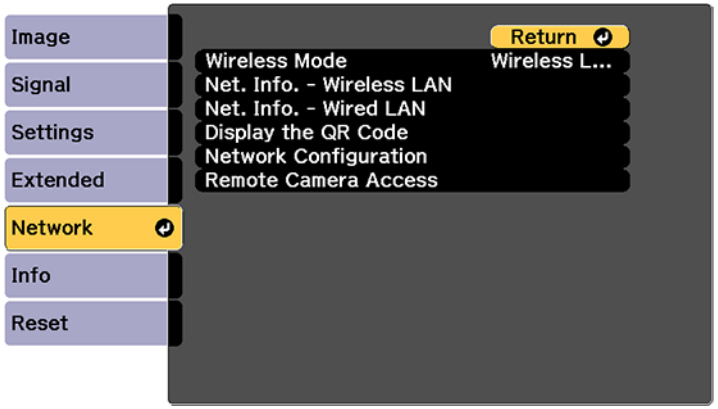
You can set up security for your projector to use on a wireless network. Set up one of the following security options to match the settings used on your network:

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

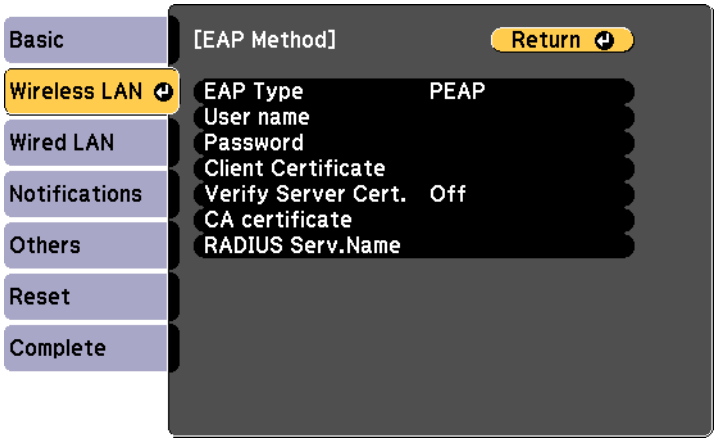
Note: Contact your network administrator for guidance on entering the correct information.

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

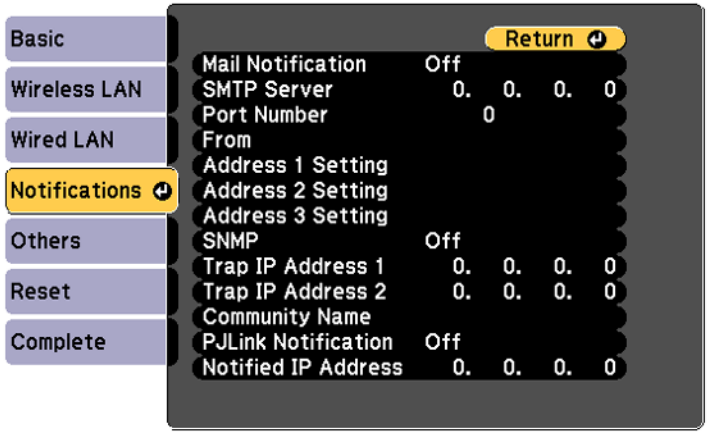
Wireless LAN Menu Settings

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**.



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

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

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

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

Network Projector E-mail Alert Messages

Parent topic: Using the Projector on a Network

Network Projector E-mail Alert Messages

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

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

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

Parent topic: Setting Up Projector Network E-Mail Alerts

Selecting Other Network Settings

You can select optional network settings on the Others menu.

1. Press the **Menu** button.
2. Select the **Network** menu and press **Enter**.
3. Select **Network Configuration** and press **Enter**.
4. Select the **Others** menu and press **Enter**.
5. If you want to select the authentication method for command communication, select **Command Communication**. Select **Protected** to perform Digest Authentication using the **Web Control Password** setting. Select **Compatible** to perform plain text authentication using the **Monitor Password**.
6. 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.
7. If you want to operate the projector using Web API, turn on the **Web API** setting. The username for API authentication is **EPSONWEB**; use the password that is set for the **Web Control Password**.

8. Select the **Priority Gateway** setting for your network.
9. If you want to monitor the projector using PJLink, turn on the **PJLink** setting.
10. If your network environment uses an AMX controller, turn on the **AMX Device Discovery** setting to allow the projector to be detected.
11. 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).

12. If you want to control the projector using Art-Net (an Ethernet communication protocol based on TCP/IP), turn on the **Art-Net** setting.
13. If you want this projector to receive broadcast 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).
14. 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

Related concepts

Using Crestron Connected

Related references

Art-Net Channel Definitions

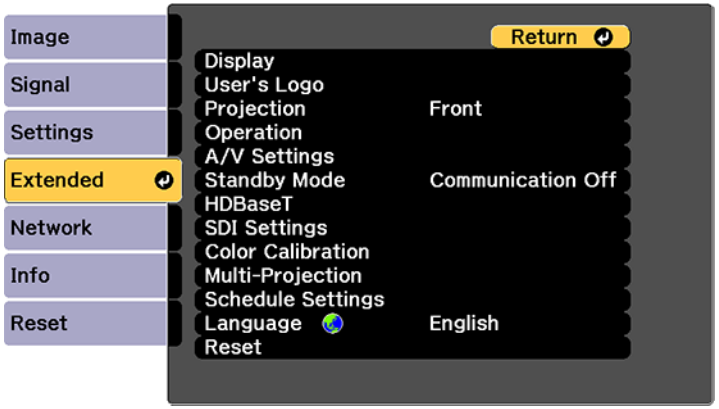
Additional Projector Software and Manuals

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**.



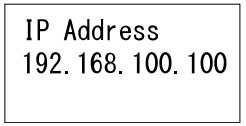
3. Select the **A/V Settings** > **A/V Output**, select **Always On**, and press **Enter**.
4. Select **Standby Mode**, select **Communication On**, and press **Enter**.
5. Press the **Menu** button to exit the menu system.
6. Turn off the projector, connect it to a wired LAN, and turn on the power using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

   You see the static IP setting menu:



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**.



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.

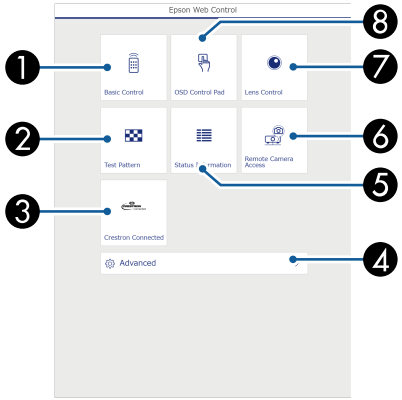
Note: If you set Standby Mode to **Communication On**, you can use a web browser to select settings and control projection even if the projector is in standby mode.

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** > **Network Configuration** > **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

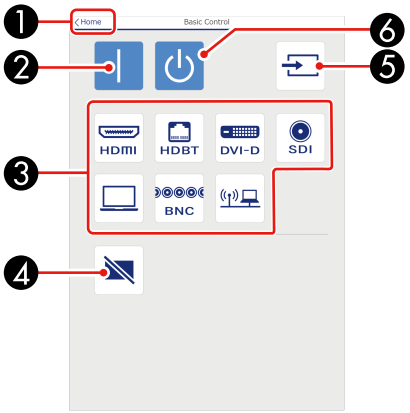
Related tasks

Selecting Other Network Settings

Web Control Options

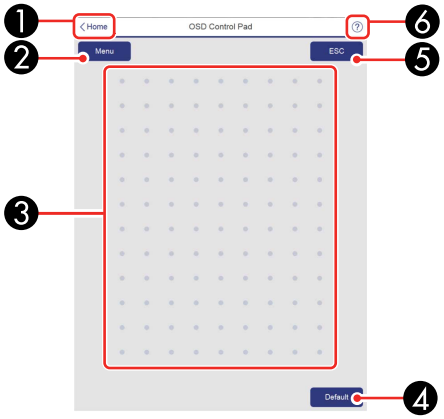
Basic Control

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**).



1	Returns to the Home screen
2	Turns on the projector
3	Input source selection controls
4	Turns the image on or off temporarily
5	Searches for sources
6	Turns off the projector

OSD Control Pad

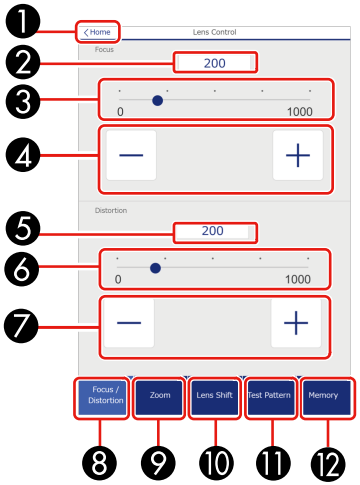


1 Returns to the Epson Web Control screen
2 Displays the projector's setting menus
3 Use your finger or mouse to navigate the menus
4 Returns projector to default settings
5 Returns to the previous menu
6 Displays help topics

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

Lens Control

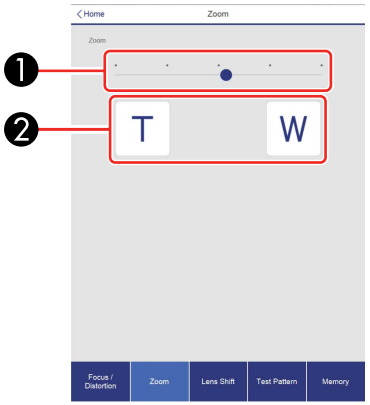
Focus/Distortion screen



1 Returns to the Home screen
2 Displays or enters the focus value
3 Focus adjustment buttons
4 Focus adjustment slider
5 Displays or enters the distortion value
6 Distortion adjustment buttons (only available for ELPLR05 and ELPLU05)
7 Distortion adjustment slider (only available for ELPLR05 and ELPLU05)
8 Displays the Focus/Distortion screen
9 Displays the Zoom screen
10 Displays the Lens Shift screen
11 Displays the Test Pattern screen
12 Displays the Memory screen

Zoom screen

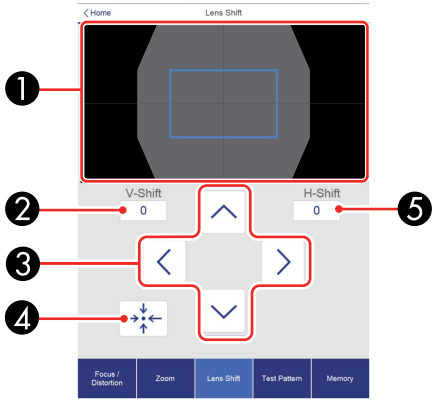
Note: Zoom is not available for the ELPLR05 lens.



1 Zoom adjustment slider

2 Zoom adjustment buttons

Lens Shift screen



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

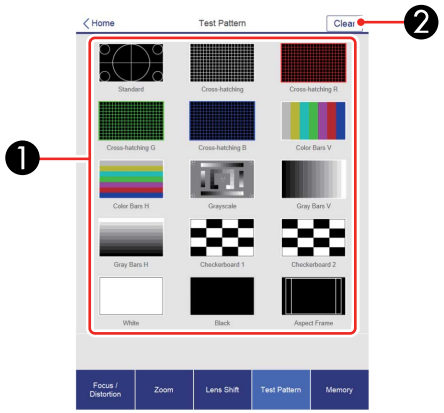
2 Displays the vertical image position; select to change the value

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

4 Moves the lens to the home position

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

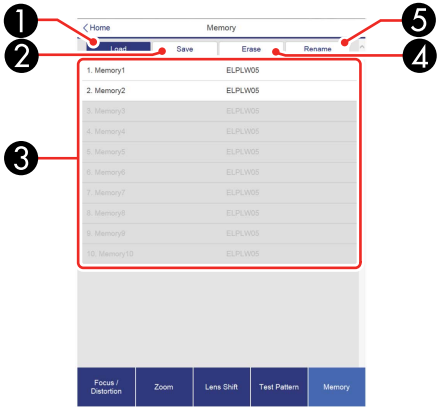
Test Pattern screen



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

2 Turns off test pattern display

Memory screen



1 Overwrites your current settings with saved settings

2 Saves your current settings to memory

3 Displays a list of saved memories

4 Erases a saved memory

5 Renames a saved memory

Status Information screen



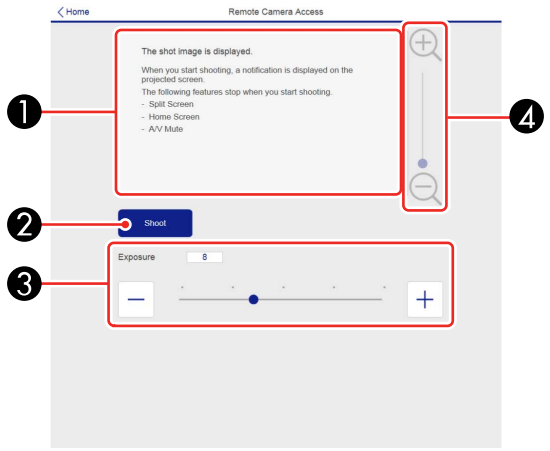
1 Returns to the Home screen

2 Displays a list of monitored settings

3 Displays the setting status

4 Select to view different status information

Remote Camera Access screen



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

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

3 Adjusts the image exposure

4 Zooms in or out on the image you captured

Parent topic: Controlling a Networked Projector Using a Web Browser

Related references

Projector Setup Settings - Extended Menu

Related tasks

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

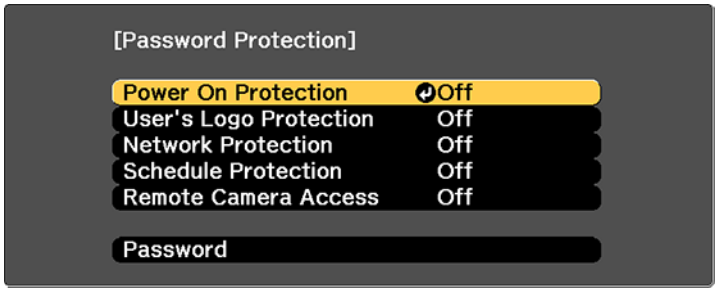
Viewing an Image Capture of the Displayed Image from a Remote Location

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

Note the following when using this feature:

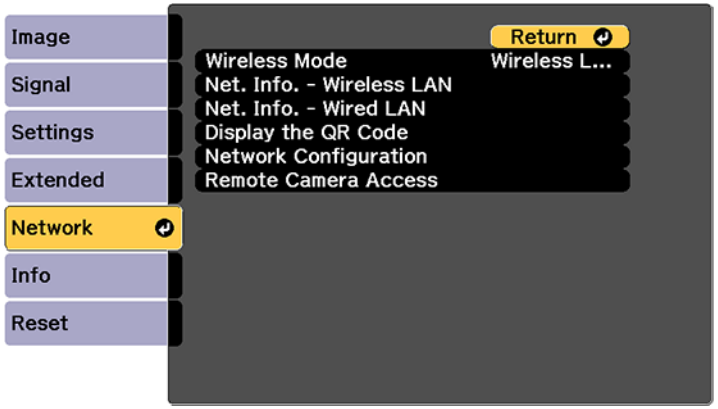
- This feature is not supported with the ELPLR05 lens.
- This feature is not supported when performing the following functions: Tiling, Tiling Assist, stacking assist tool, Screen Matching, Color Calibration, Lens Calibration, Message Broadcasting in the Epson Projector Management software.
- Using this feature cancels the following functions: Split Screen, Shutter, on-screen display (when the message is hidden).

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



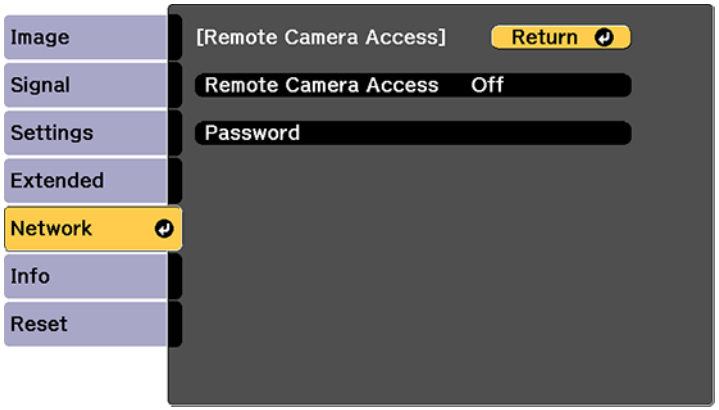
2. Make sure the **Remote Camera Access** setting is set to **Off,** then exit the menu.
3. Press the **Menu** button.

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



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

   You see a screen like this:

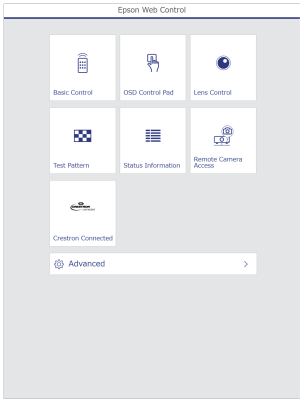


8. Select the **Password** setting and enter a password up to 32 alphanumeric characters long.

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

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

    You see a screen like this:

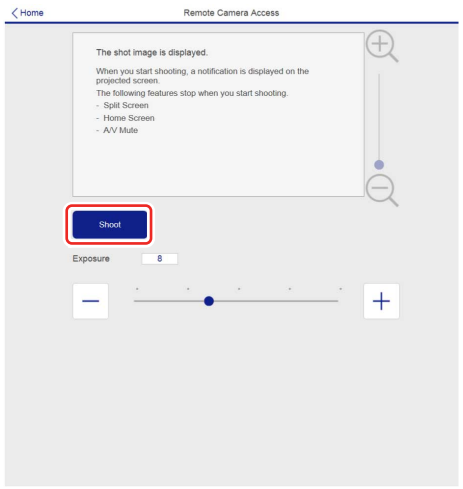


    Note: You can view the projector's IP address by selecting **Net. Info. - Wireless LAN** or **Net. Info. - Wired LAN** on the Network menu.

12. Select **Remote Camera Access**.

    Note: You may need to log in to access some of the options on the Epson Web Control screen. If you see a login 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.)



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

Parent topic: Using the Projector on a Network

Related references

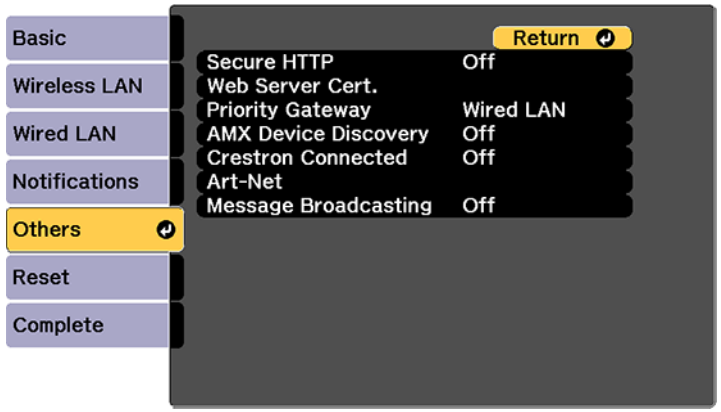
Additional Projector Software and Manuals

Setting Up Crestron Connected

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

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

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



5. Set the **Crestron Connected** setting to **On** to allow the projector to be detected.

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

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

Parent topic: Using Crestron Connected

Related references

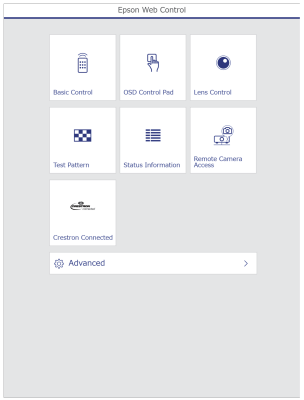
Projector Setup Settings - Extended Menu

Controlling a Networked Projector Using Crestron Connected

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

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

   You see the Epson Web Control screen:



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

3. Select **Crestron Connected**.

You see a screen like this:



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.

Channel/Function	Operation	Parameters	Description
1 Adjusting light (dimming)	0% to 100%	0 to 255	Adjusts the image brightness (default is 0)
2 Shutter control	Shutter closed Non-operational Shutter open	0 to 63 64 to 191 192 to 255	Closes and opens the shutter (default is 128)
3 Switch source	Non-operational	0 to 7, 16 to 23, 40 to 47, 64 to 71, 88 to 255	Switches to the specified source (default is 0)
	HDMI	8 to 15	
	HDBaseT	24 to 31	
	DVI-D	32 to 39	
	SDI	48 to 55	
	Computer	56 to 63	
	BNC	72 to 79	
	LAN	80 to 87	
4 Lens position	Non operational Move to home position	0 to 31, 64 to 255 32 to 63	Shifts the lens to the home position (default is 0)

Channel/Function	Operation	Parameters	Description
5 Horizontal lens shift	(+) Lens adjustment	Movement - large: 0 to 31 Movement - medium: 32 to 63 Movement - small: 64 to 95	Shifts the lens horizontally 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	
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	

Channel/Function	Operation	Parameters	Description
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	
8 Electronic focus	(+) Lens adjustment	Movement - large: 0 to 31 Movement - medium: 32 to 63 Movement - small: 64 to 95	Performs electronic focus 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	

Channel/Function	Operation	Parameters	Description
9 Electronic distortion	(+) Lens adjustment	Movement - large: 0 to 31 Movement - medium: 32 to 63 Movement - small: 64 to 95	Corrects distortion 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	
10 Load lens memory	Non-operational	0 to 15, 176 to 255	Loads the specified lens memory (default is 0)
	Load lens memory 1	16 to 31	
	Load lens memory 2	32 to 47	
	Load lens memory 3	48 to 63	
	Load lens memory 4	64 to 79	
	Load lens memory 5	80 to 95	
	Load lens memory 6	96 to 111	
	Load lens memory 7	112 to 127	
	Load lens memory 8	128 to 143	
	Load lens memory 9	144 to 159	
	Load lens memory 10	160 to 175	
11 Power control	Power off Non-operational Power on	0 to 63 64 to 191 192 to 255	Turns the projector power on or off (default is 128)

Channel/Function	Operation	Parameters	Description
12 Geometry correction	Off	0 to 15	Performs geometry correction (default is 255)
	H/V-Keystone	16 to 31	
	Quick Corner	32 to 47	
	Point Correction	48 to 63	
	Curved Surface	64 to 79	
	Corner Wall	80 to 95	
	Load geometry correction memory 1	96 to 111	Loads a geometry correction memory (default is 255)
	Load geometry correction memory 2	112 to 127	
	Load geometry correction memory 3	128 to 143	
	Non-operational	144 to 175	
13 Lock	Cannot control Can control	0 to 127 128 to 255	Enables/disables Art-Net operations (default is 0)

Channel/Function	Operation	Parameters	Description
14 Fade in	Non-operational	192 to 255	Fade in time setting when the shutter is released (default is 255)
	0.0 seconds	0 to 15	
	0.5 seconds	16 to 31	
	1.0 seconds	32 to 47	
	1.5 seconds	48 to 63	
	2.0 seconds	64 to 79	
	2.5 seconds	80 to 95	
	3.0 seconds	96 to 111	
	3.5 seconds	112 to 127	
	4.0 seconds	128 to 143	
	5.0 seconds	144 to 159	
	7.0 seconds	160 to 175	
	10.0 seconds	176 to 191	
14 Fade out	Non-operational	192 to 255	Fade out time setting when the shutter is released (default is 255)
	0.0 seconds	0 to 15	
	0.5 seconds	16 to 31	
	1.0 seconds	32 to 47	
	1.5 seconds	48 to 63	
	2.0 seconds	64 to 79	
	2.5 seconds	80 to 95	
	3.0 seconds	96 to 111	
	3.5 seconds	112 to 127	
	4.0 seconds	128 to 143	
	5.0 seconds	144 to 159	
	7.0 seconds	160 to 175	
	10.0 seconds	176 to 191	

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

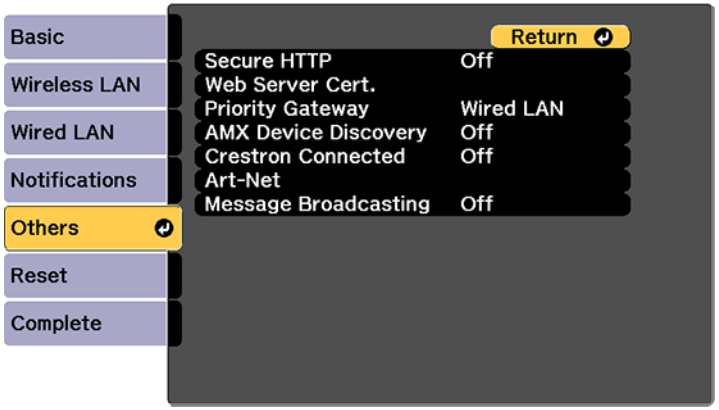
Importing a Web Server Certificate Using the Projector Menus

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. Remove the screw securing the wireless LAN module port cover, then remove the port cover.
10. Insert a USB flash drive into the projector's **USB-A** port. If the wireless LAN module is installed, remove it before inserting the USB flash drive.
11. Press **Enter** to display the certificate list.
12. Select the certificate you want to import from the displayed list.

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

    The certificate is imported and a completion message appears.
14. Remove the USB flash drive, then re-insert the wireless LAN module if necessary and secure the port cover.

Parent topic: Registering a Digital Certificate on the Projector

Related references

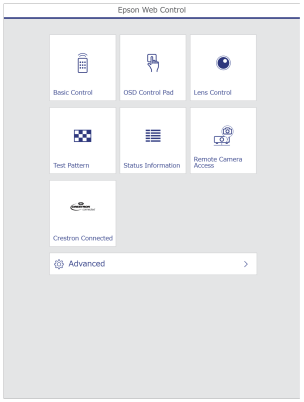
Digital Certificate Types

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

Related references

Digital Certificate Types

Digital Certificate Types

You can register these types of digital certificates.

Client Certificate (PEAP-TLS/EAP-TLS)

Specification	Description
Format	PKCS#12
Extension	PFX, P12
Encryption	RSA
Hashes	MD5/SHA-1/SHA-256/SHA-384/SHA-512
Key length	512/1024/2048/4096 bit
Password	Up to 32 alphanumeric characters; required

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

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

Web Server Certificate (Secure HTTP)

Specification	Description
Format	PKCS#12
Extension	PFX, P12
Encryption	RSA

Specification	Description
Hashes	MD5/SHA-1/SHA-256/SHA-384/SHA-512
Key length	512/1024/2048/4096 bit
Common name	Network host name
Organization	Optional
Password	Up to 32 alphanumeric characters; required

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.

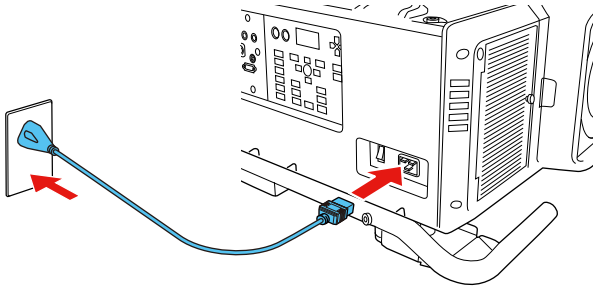
Turning On the Projector
Turning Off the Projector
Selecting the Language for the Projector Menus
Resizing the Image with the Zoom Button
Focusing the Image Using the Focus Buttons
Setting the Screen Type
Adjusting the Image Position Using Lens Shift
Adjusting the Image Position Using Screen Position
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.



Note: If you connected the projector using the 120 V power cord, the image brightness is reduced to approximately 30% 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 use the **Light Source Mode**, **Estimated Remains**, **Refresh Mode**, or **Light Source Calibration** functions when connected using the 120 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 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.

Note: When using the Shutter function, the laser is still on. To turn off the laser, turn off the projector.

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

   The projector displays a shutdown confirmation screen.



Note: If **Standby Confirmation** is disabled and you press the power button on the remote control, the confirmation screen is not shown and the projector shuts off.

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

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

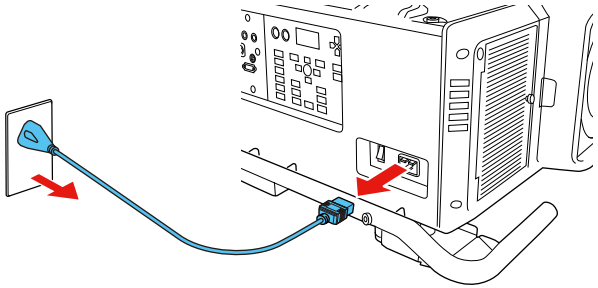
   Note: If the **Light Source Calibration** setting is set to **Run Periodically** in the projector's Management menu, light source calibration starts automatically if you turn off the projector and the following conditions are present:

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

3. 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

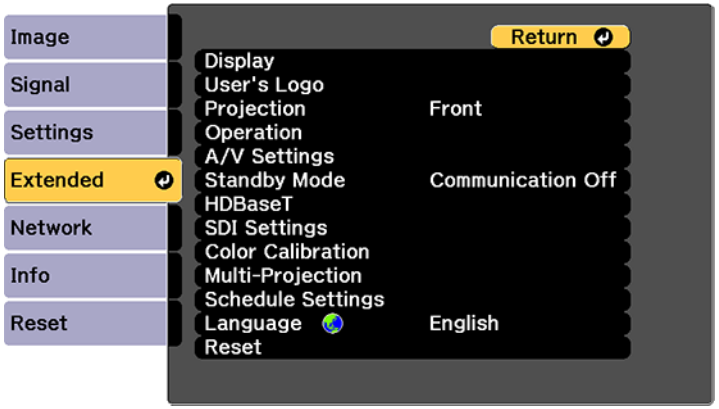
Turning On the Projector

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.

Parent topic: Using Basic Projector Features

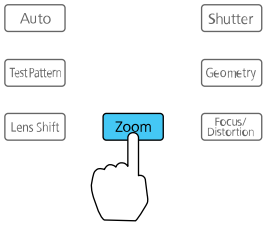
Resizing the Image with the Zoom Button

You can adjust the size of the image using the zoom buttons. Zoom is not available for the ELPLR05 lens.

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

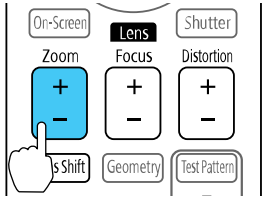
1. Turn on the projector and display an image.

2. Press the **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

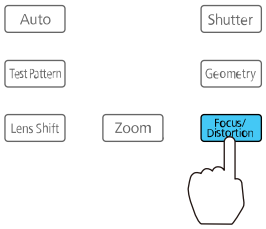
Focusing the Image Using the Focus Buttons

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

Note: Wait 20 minutes after turning on the projector before setting the focus, zoom, and lens shift for maximum accuracy. If you installed any of the following lenses, see the link below on focusing with a short throw lens instead: ELPLR05, ELPLX03, or ELPLU05.

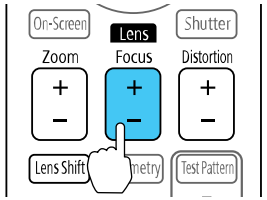
1. Turn on the projector and display an image.

2. Press the **Focus/Distortion** button on the control panel.



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

Note: You can also press the **Focus +** or **–** buttons on the remote control to adjust the focus.



Focusing the Image When Using an Optional Short Throw Lens

Parent topic: Using Basic Projector Features

Related tasks

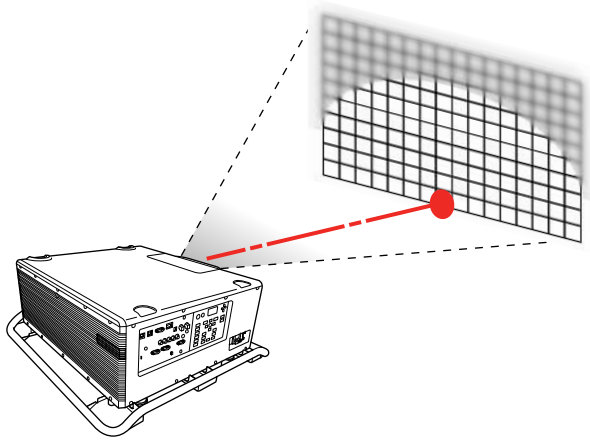
Displaying a Test Pattern

Focusing the Image When Using an Optional Short Throw Lens

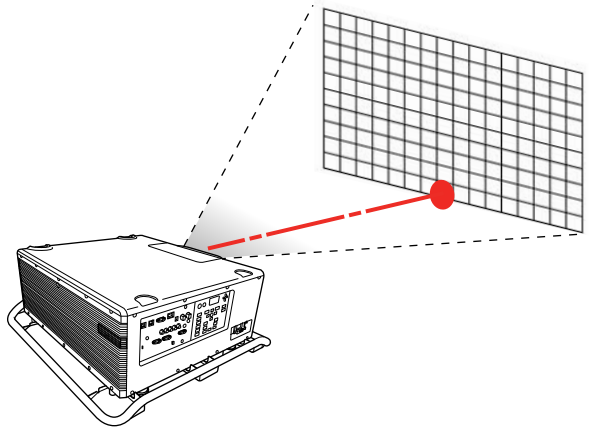
If you installed an optional short throw lens (ELPLR05, ELPLX03, or ELPLU05), you may need to first focus on the center of your screen and then correct any distortion in the surrounding area.

1. Turn on the projector and display an image.
2. Press the **Focus/Distortion** button on the control panel.

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



4. Press the **Focus/Distortion** button again.
5. Press the left or right arrow buttons until the edges of the image are also focused.



Note: You can also press the **Focus +** or **–** button on the remote control to focus the center of your image. Then use the **Distortion +** or **–** button to adjust the edges of the image.

Parent topic: Focusing the Image Using the Focus Buttons

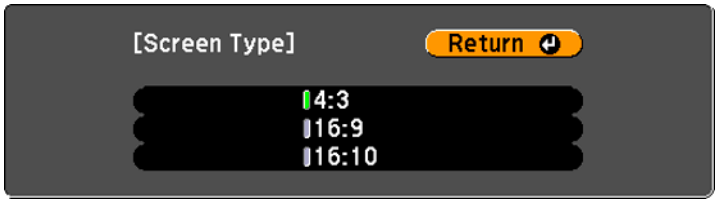
Setting the Screen Type

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

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

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

   You see this screen:



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

Parent topic: Using Basic Projector Features

Related concepts

Image Aspect Ratio

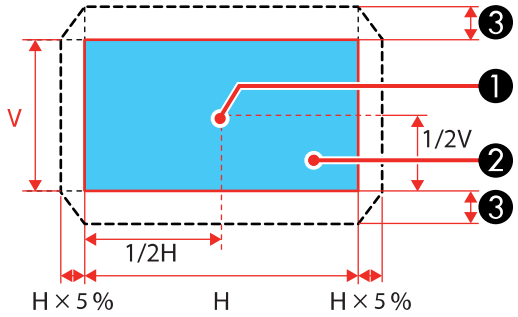
Adjusting the Image Position Using Lens Shift

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

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

1. Turn on the projector and display an image.
2. Press the arrow buttons on the remote control or the control panel to adjust the position of the projected image as necessary.

ELPLR05

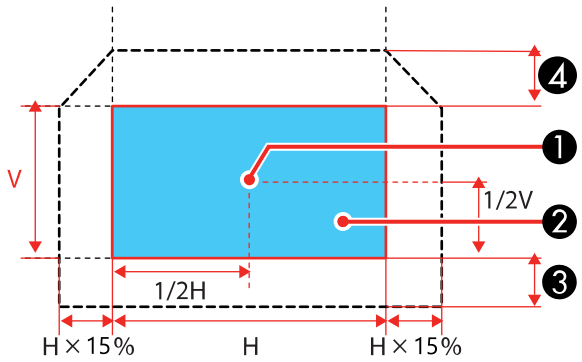


1 Center of lens

2 Projected image when lens shift is set to the home position

3 Maximum range: V × 15%

ELPLX03 lens



1 Center of lens

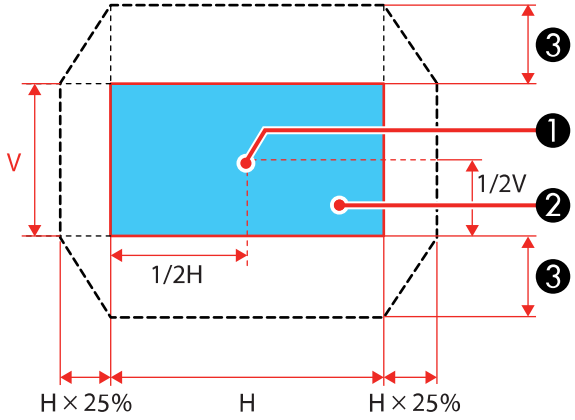
2 Projected image when lens shift is set to the home position

3 Maximum range: V × 5%

4 Maximum range: V × 20%

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

ELPLU05/ELPLL09/ELPLL10

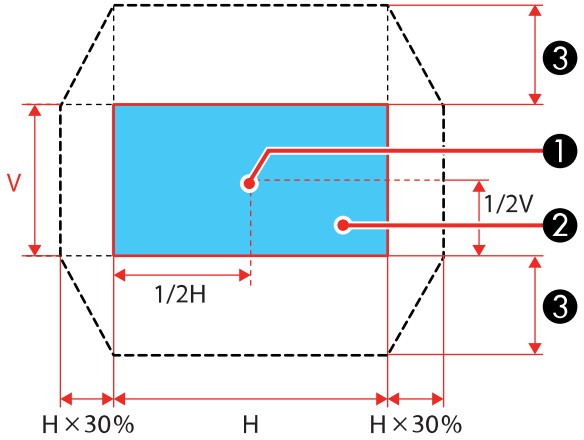


1 Center of lens

2 Projected image when lens shift is set to the home position

3 Maximum range: V × 55%

ELPLW07/ELPLM12/ELPLM13/ELPLM14



1 Center of lens

2 Projected image when lens shift is set to the home position

3 Maximum range: V × 65%; maximum range when performing screen matching: V × 60% (ELPLM13)

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

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

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

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.

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

3. Press the up or down 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.

   Note: Some settings may not be available while displaying a test pattern. To adjust these settings, project an image from a connected device.

5. Press the **Esc** button to clear the test pattern.

Parent topic: Using Basic Projector Features

Related tasks

Setting the Screen Type

Image Shape

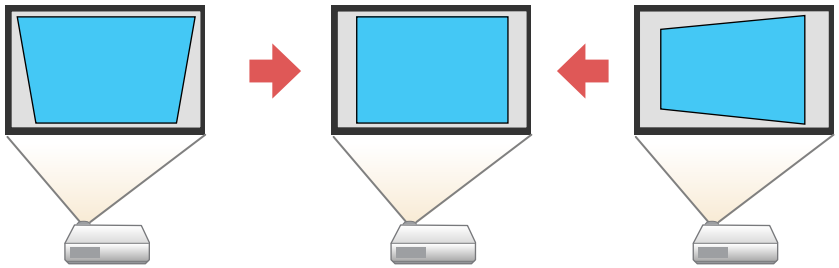
You can project an evenly rectangular image by placing the projector directly in front of the center of the screen and keeping it level. If you place the projector at an angle to the screen, or tilted up or down, or off to the side, you may need to correct the image shape for the best display quality.

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.



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.

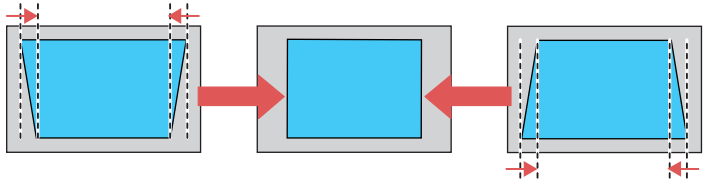
   You see the H/V-Keystone adjustment screen:



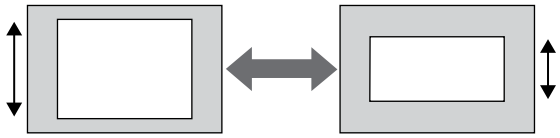
Note: You can also access the **H/V Keystone** setting by pressing the **Menu** button and selecting **Geometry Correction** on the Settings menu.

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.

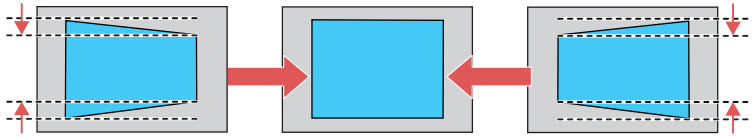
V-Keystone



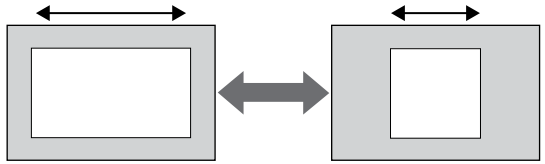
V-Balance



H-Keystone



H-Balance



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

   After correction, your image may be slightly smaller.

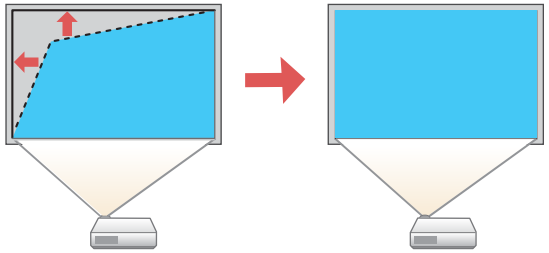
Parent topic: Image Shape

Related references

Projector Feature Settings - Settings Menu

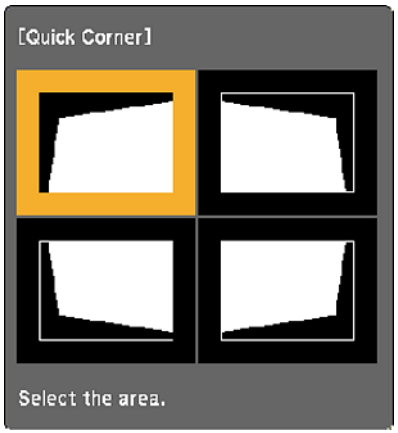
Correcting Image Shape with Quick Corner

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:



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.

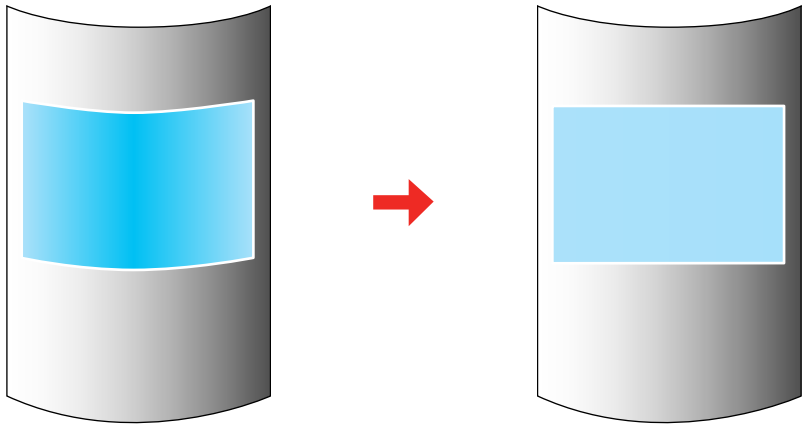
Parent topic: Image Shape

Related references

Projector Feature Settings - Settings Menu

Correcting Image Shape with Curved Surface

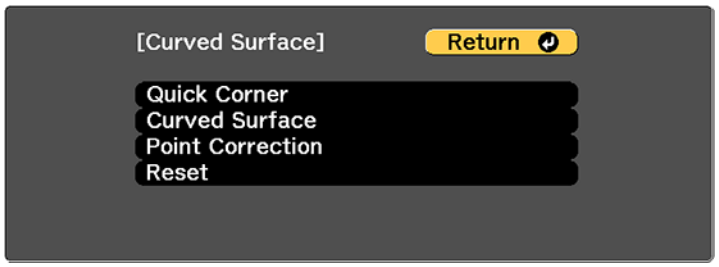
You can use the projector's Curved Surface setting to adjust the shape of an image projected on a curved surface.



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.

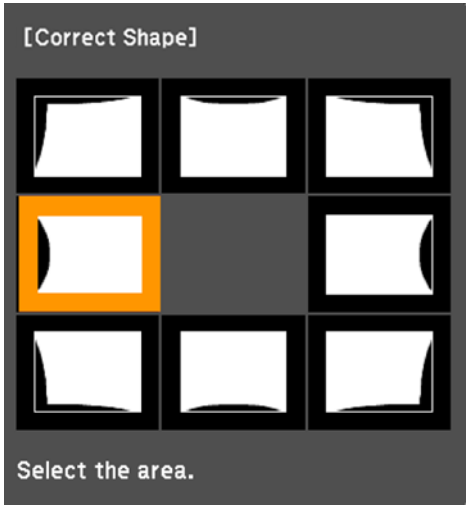
   You see this screen:



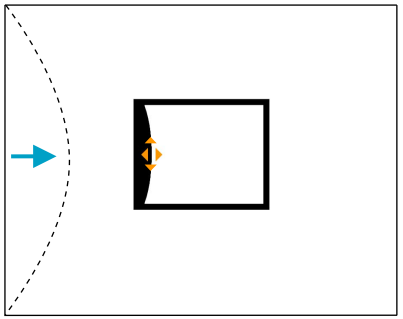
Note: You can also access the **Curved Surface** setting by pressing the **Menu** button and selecting **Geometry Correction** on the Settings menu.

4. Select **Curved Surface** again and press **Enter**.
5. Select the **Correct Shape** setting and press **Enter**.

   You see a screen like this:



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.



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

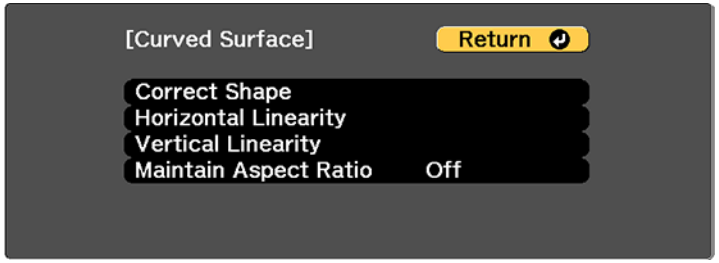
8. Press the **Esc** button to return to the Curved Surface menu screen.
9. Repeat the previous three steps as necessary to adjust other image areas.

   If the image expands or contracts, continue with the next steps to adjust the linearity.

   Note: 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.

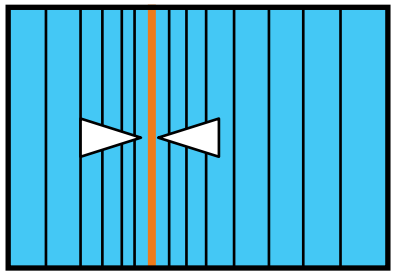
    You see this screen:

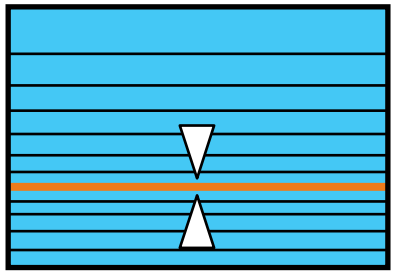


11. To compensate for expansion or contraction while maintaining the image aspect ratio, select **Maintain Aspect Ratio** and set it to **On**.
12. Select one of the following to adjust the linearity:
    - **Horizontal Linearity**: Adjusts horizontal expansion or contraction.
    - **Vertical Linearity**: Adjusts vertical expansion or contraction.
13. Use the arrow buttons to select a displayed line to use as a baseline and press **Enter**.

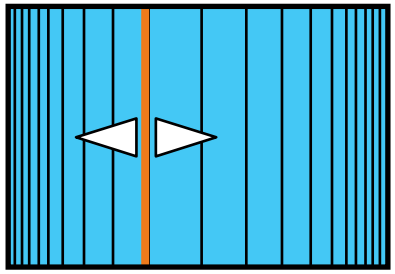
    The selected baseline flashes orange and white.

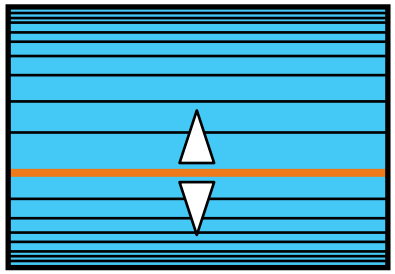
14. Adjust the linearity by doing one of the following:
    - Press the left arrow button to contract the distance between the lines closest to the baseline.





- 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

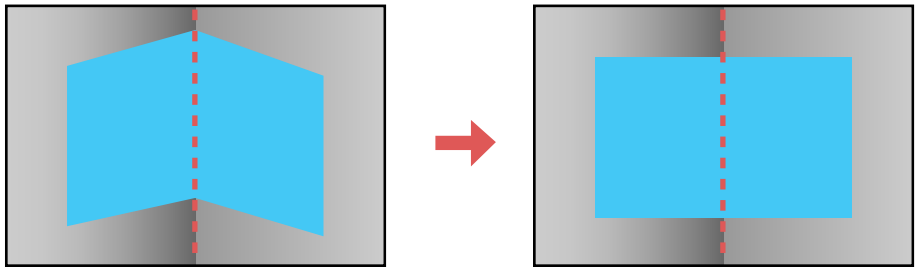
Related tasks

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.



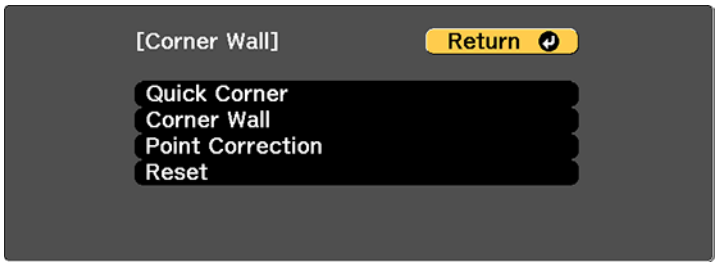
Note: For the best results, project from the front of the screen onto a right-angled surface. The image may not be evenly focused throughout even after performing the steps here.

Note: If **4K Enhancement** is enabled, a message is displayed. Select **Yes** to disable **4K Enhancement**.

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**.

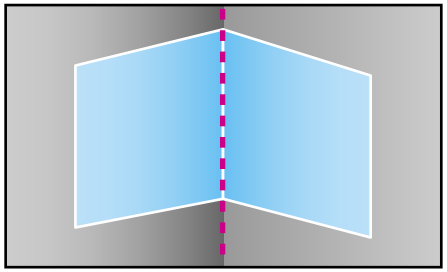
   Note: If you see a confirmation message, press **Enter**.

   You see this screen:

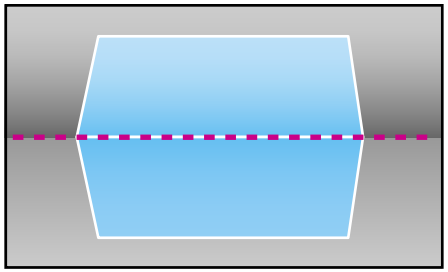


4. Select **Corner Wall** again and press Enter.

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

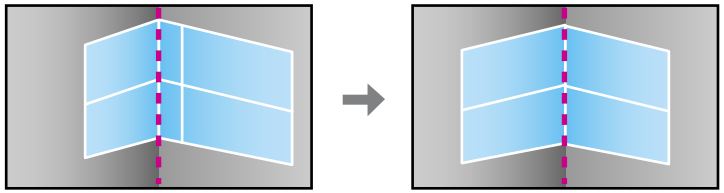


   - **Vertical Corner** when the surfaces line up vertically



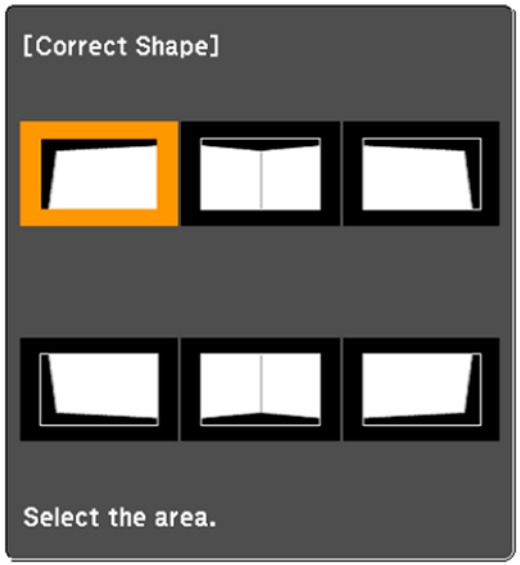
7. Press the **Esc** button to return to the Corner Wall menu screen.
8. Select the **Correct Shape** setting and press **Enter**.

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.)

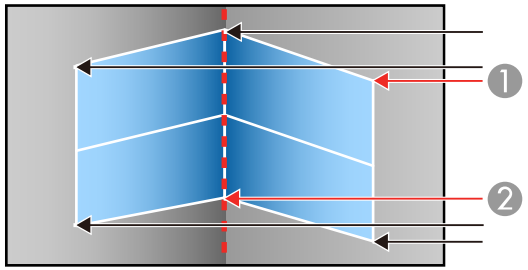


Note: You can press **Enter** to show or hide the image and grid to check the results.

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.

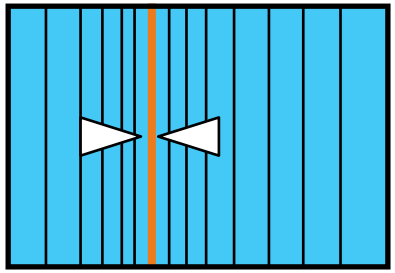


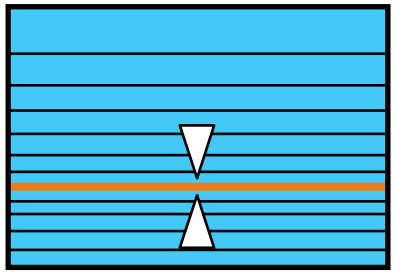
- For vertical corners, adjust the left and right areas using the points nearest the center of the image as your reference points.

11. Press the arrow buttons on the projector or remote control to adjust the image shape.

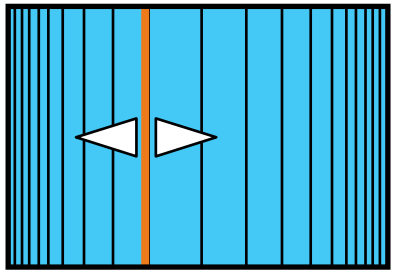
    Note: To reset your adjustments, press and hold the **Esc** button for at least 2 seconds to display a reset screen. Then select **Yes**.

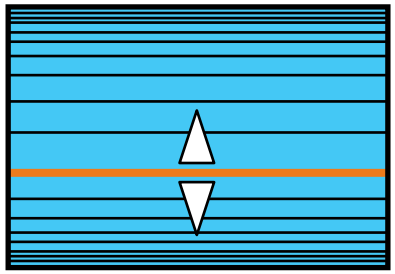
12. Repeat the previous two steps as necessary to adjust other image areas.
13. If the image expands or contracts, press the **Esc** button to return to the Corner Wall screen so you can adjust the linearity.
14. Select one of the following to adjust the linearity:
    - **Horizontal Corner**: Adjusts horizontal expansion or contraction.
    - **Vertical Corner**: Adjusts vertical expansion or contraction.
15. Adjust the linearity so that all of the lines are the same distance apart 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.





16. 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

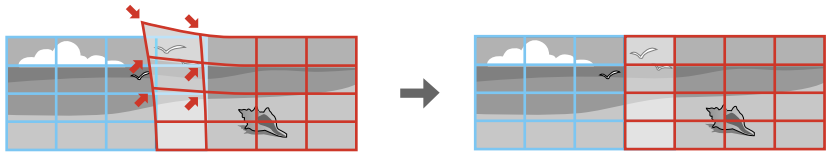
Related tasks

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.



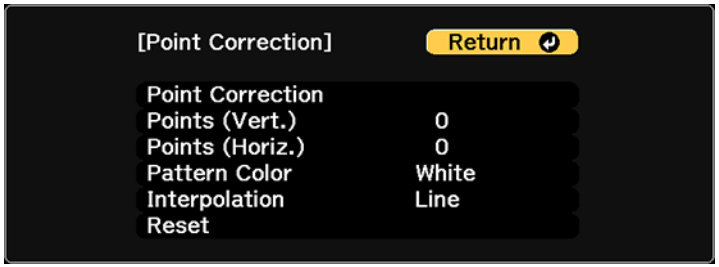
Note: You can move the points on the grid between 0.5 to 600 pixels in any direction. Coordinates for pixels that extend beyond the edge of the projected screen are displayed as negative numbers.

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**.

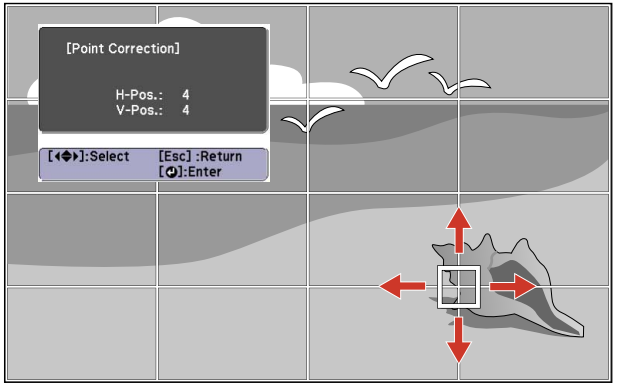
   You see this screen:



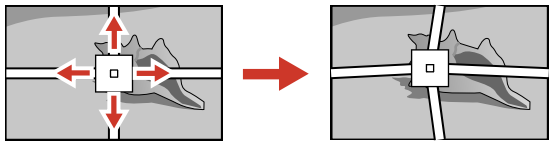
5. Select the following settings:
   - To set the number of vertical or horizontal grid lines, select the **Points (Vert.)** or **Points (Horiz.)** setting and select a value.

- If you are displaying on a flat surface, select **Line** as the **Interpolation** setting. If you are displaying on a curved surface, select **Curve**.
- To change the color of the grid lines, select the **Pattern Color** setting and select a suitable color.

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



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

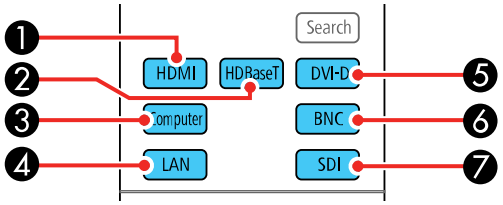
Related tasks

Correcting Image Shape with Quick Corner

Selecting an Image Source

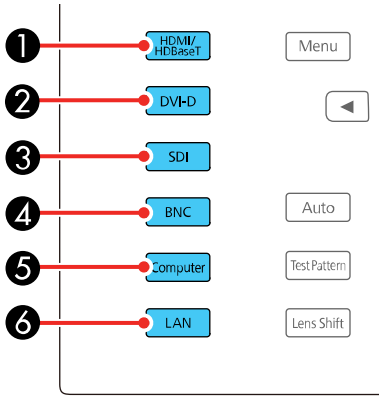
If you connected multiple image sources to the projector, such as a computer and DVD player, you may want to switch from one image source to the other.

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 HDMI port source
2 HDBaseT port source
3 Computer port source
4 Network port source
5 DVI-D port source
6 BNC port source
7 SDI port source

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



1 HDMI and HDBaseT port sources
2 DVI-D port source
3 SDI port source
4 BNC port source
5 Computer port source
6 Network port source

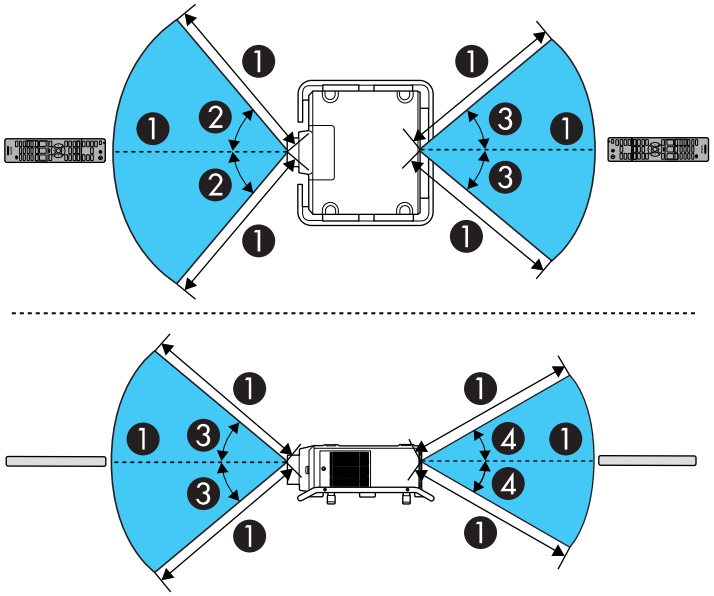
Parent topic: Using Basic Projector Features

Remote Control Operation

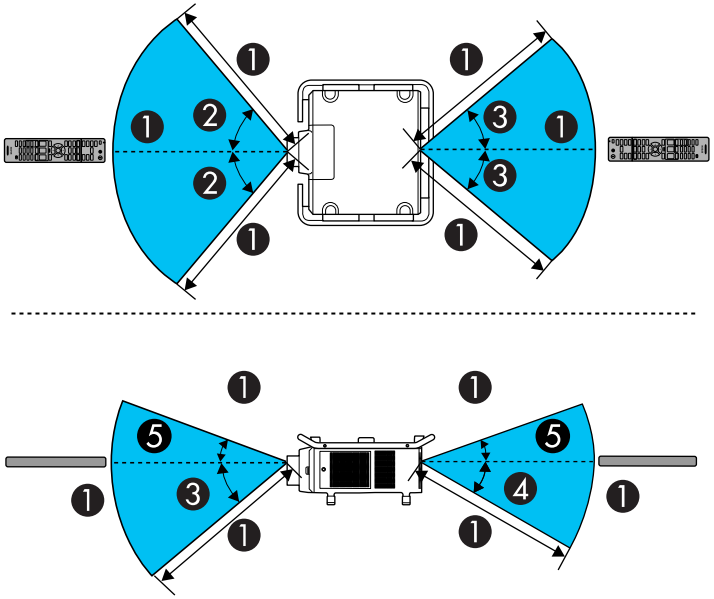
The remote control lets you control the projector from almost anywhere in the room, up to 98.4 feet (30 m) away. You can point it at the front or rear of the projector.

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

Angles with handle mounted on bottom of projector:



Angles with handle mounted on top of projector:



1 98.4 feet (30 m)

2 ±50°

3 ±40°

4 ±30°

5 20°

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.

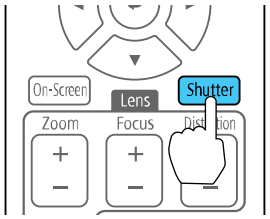
Changing the Projection Mode Using the Remote Control
Changing the Projection Mode Using the Menus

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.



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

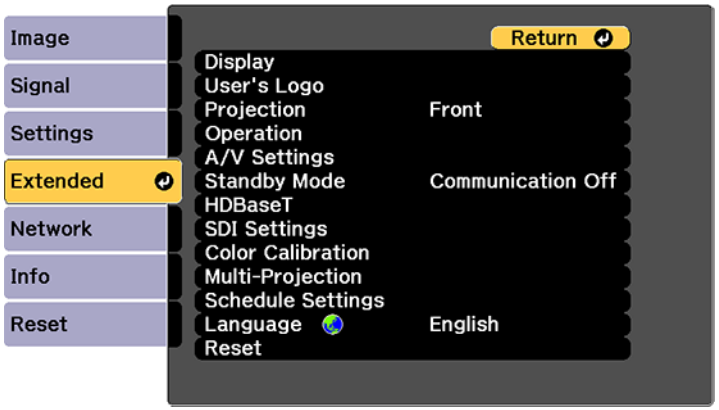
3. To change projection back to the original mode, hold down the **Shutter** button for 5 to 10 seconds again.

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**.



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

Parent topic: Projection Modes

Image Aspect Ratio

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

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

Changing the Image Aspect Ratio
Available Image Aspect Ratios

Parent topic: Using Basic Projector Features

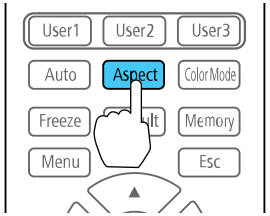
Related references
Input Signal Settings - Signal Menu

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.

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

Parent topic: Image Aspect Ratio

Related tasks

Setting the Screen Type

Color Mode

The projector offers different Color Modes to provide optimum brightness, contrast, and color for a variety of viewing environments and image types. You can select a mode designed to match your image and environment, or experiment with the available modes.

If you always want to use a particular color mode for a certain video input source, you can select it using the projector menus.

Changing the Color Mode

Available Color Modes

Parent topic: Using Basic Projector Features

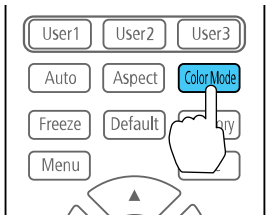
Related references

Image Quality Settings - Image Menu

Changing the Color Mode

You can change the projector's Color Mode using the remote control to optimize the image for your viewing environment.

1. Turn on the projector and switch to the image source you want to use.
2. If you are projecting from a DVD player or other video source, insert a disc or other video media and press the play button, if necessary.
3. Press the **Color Mode** button on the remote control to change the Color Mode.



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

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

Parent topic: Color Mode

Related references

Available Color Modes

Available Color Modes

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

Color Mode	Description
Dynamic	Best for projecting in a bright room
Presentation	Best for color presentations in a bright room
Natural	Best for projecting still pictures such as photos
Cinema	Best for movies projected in a dark room
BT.709	Best for watching digital TV or Blu-ray discs; produces images that conform to the ITU-R BT.709 standard

Color Mode	Description
DICOM SIM*	Best for projecting X-ray photographs and other medical images
Multi-Projection	Best for projecting from multiple projectors (reduces the color tone difference between images)

* Available only when inputting RGB signals

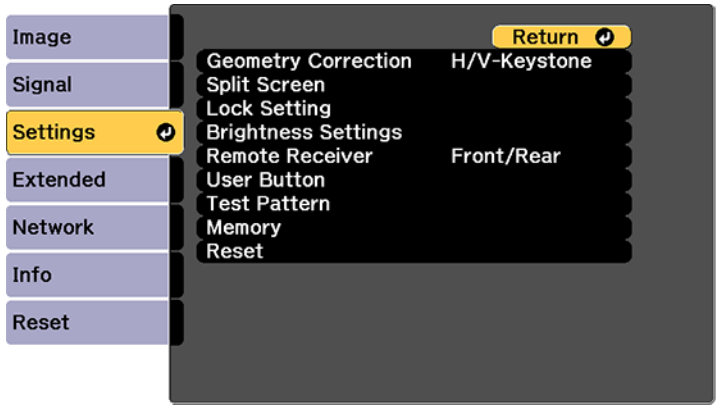
Note: The **DICOM SIM** Color Mode is for reference purposes only and should not be used to make medical diagnoses.

Parent topic: Color Mode

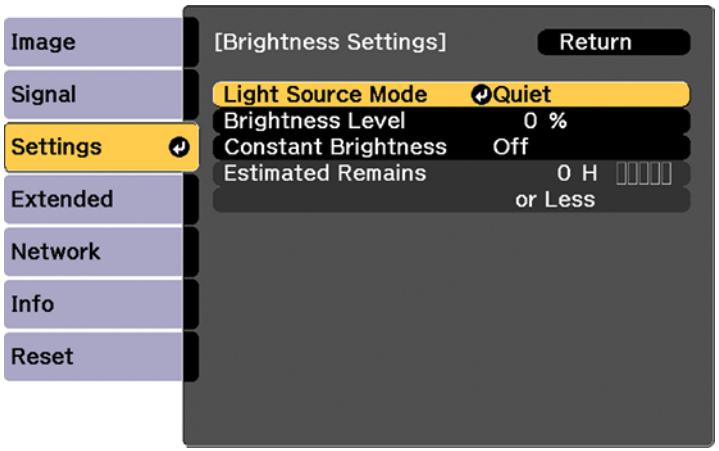
Adjusting the Brightness

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

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



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



5. Select the **Light Source Mode** setting and press **Enter**.
6. Select one of the following options:
   - **Normal**: Sets brightness to the maximum level (ideal for conference rooms, auditoriums, and lecture halls)
   - **Quiet**: Sets brightness to 70% and reduces fan noise (ideal for libraries, theaters, museums, and art galleries)
   - **Extended**: Sets brightness to 70% and extends the life expectancy of the light source (ideal for darker environments with ambient light, such as museums and art galleries, where a reduced maintenance cycle is desired)
   - **Custom**: Allows you to select a custom brightness level between 30 to 100%
7. If you selected **Custom**, select **Brightness Level** from the Brightness Settings screen and use the left and right arrow buttons to select the brightness.
8. If you selected **Custom** and want to maintain consistent brightness, turn on the **Constant Brightness** setting.

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

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

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

Constant Brightness Usage Hours

Parent topic: Using Basic Projector Features

Related references

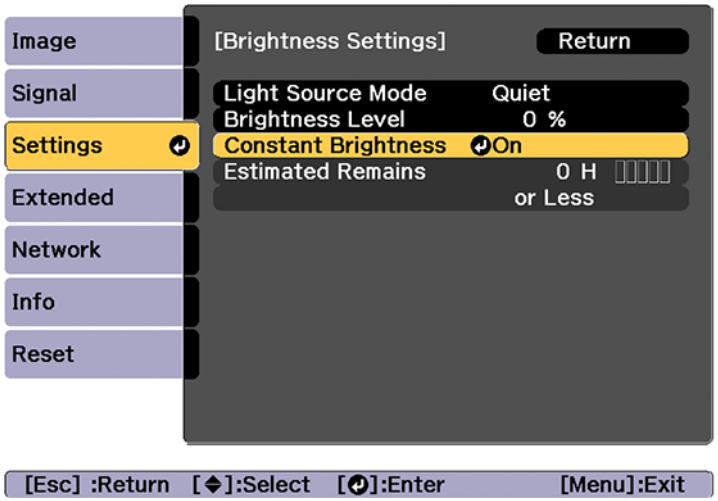
Projector Setup Settings - Extended Menu

Related tasks

Saving a Scheduled Event

Constant Brightness Usage Hours

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



Display level	Estimated remaining hours
▮▮▮▮▮	10000 or more hours

Display level	Estimated remaining hours
▮▮▮▮▯	8000 to 9999 hours
▮▮▮▯▯	6000 to 7999 hours
▮▮▯▯▯	4000 to 5999 hours
▮▯▯▯▯	2000 to 3999 hours
▯▯▯▯▯	0 to 1999 hours

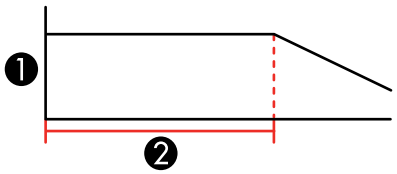
Light source life span

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

Constant Brightness off

Brightness Level setting	Hours
100%	20000 hours
90%	36000 hours
80%	41000 hours
70%	43000 hours
60%	46000 hours
50%	57000 hours
40%	75000 hours
30%	103000 hours

Constant Brightness on



1 Brightness level

2 Time the projector can maintain constant brightness (approximate)

Brightness Level setting	Hours
85%	7000 hours
80%	15000 hours
70%	25000 hours
60%	35000 hours
50%	47000 hours
40%	66000 hours
30%	95000 hours

Note: The light source usage hours vary depending upon environmental conditions and usage. The hours listed here are an approximate and are not guaranteed. You may need to replace 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.

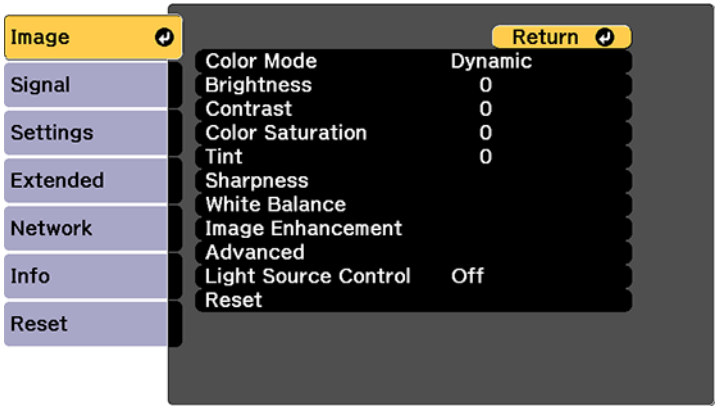
Parent topic: Adjusting the Brightness

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.

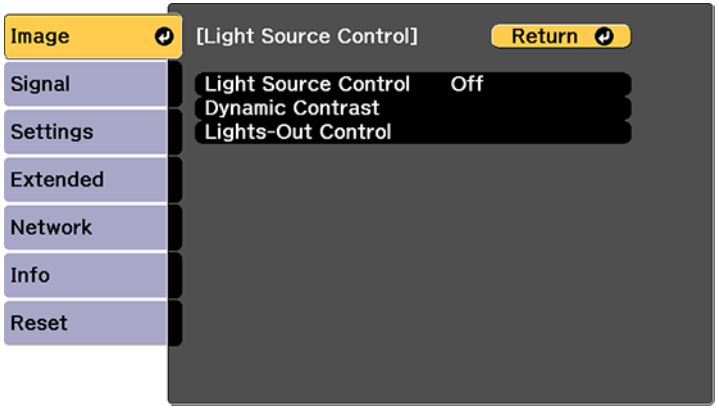
1. Turn on the projector and switch to the image source you want to use.
2. Press the **Menu** button.

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



4. Select the **Light Source Control** setting and press **Enter**.

   You see this 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

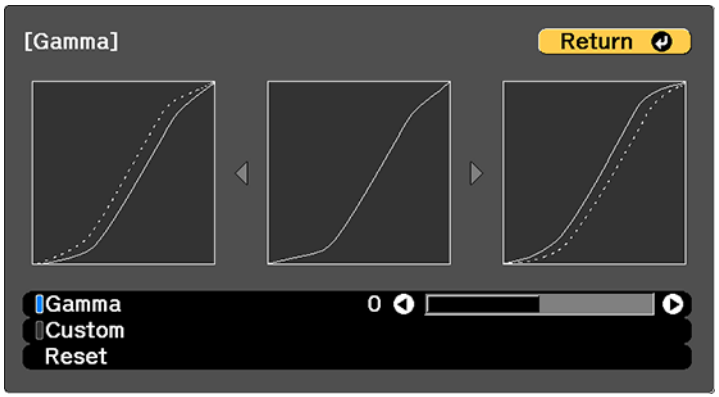
Adjusting Gamma

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.

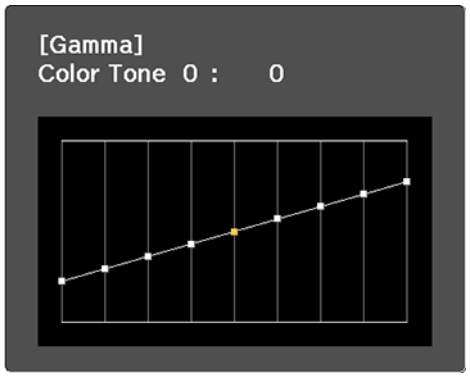
1. Turn on the projector and switch to the image source you want to use.
2. Press the **Menu** button.
3. Select the **Image** menu and press **Enter**.
4. Select **Advanced**, select the **Gamma** setting, and press **Enter**.

You see a screen like this:



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 300 inches (7.62 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.

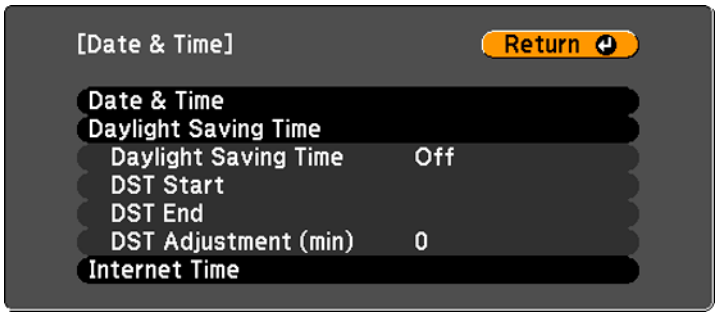
Parent topic: Using Basic Projector Features

Setting the Date and Time

You can set the date and time for the projector.

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

   You see a screen like this:



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

Date and Time Settings

Parent topic: Using Basic Projector Features

Related concepts

Password Security Types

Date and Time Settings

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

Parent topic: Setting the Date and Time

Adjusting Projector Features

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

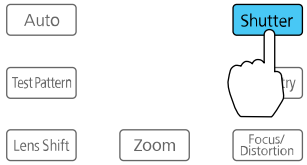
Shutting Off the Picture Temporarily
Stopping Video Action Temporarily
Projector Security Features
Projecting Two Images Simultaneously
Using Advanced Image Adjustment Features
Using Multiple Projectors
Saving Settings to Memory and Using Saved Settings
Saving a Scheduled Event
Copying Menu Settings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

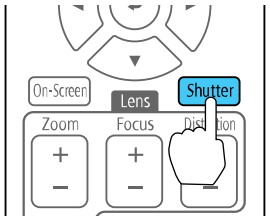
Shutting Off the Picture Temporarily

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

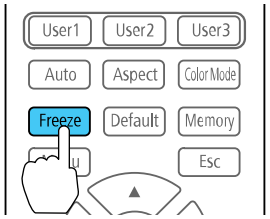
Related references

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

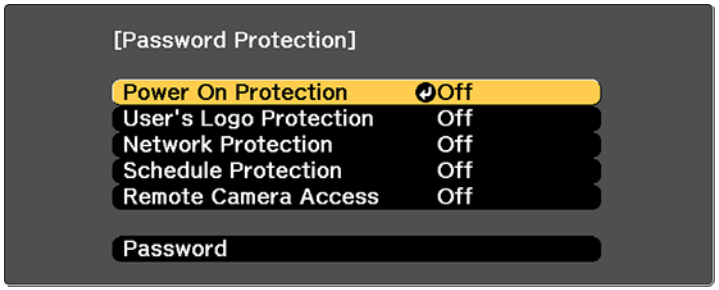
Parent topic: Projector Security Features

Setting a Password

To use password security, you must set a password.

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

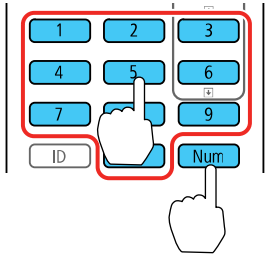
1. Hold down the **Freeze** button on the remote control for about 5 seconds or until you see this menu.



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

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

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



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

5. Enter the password again.

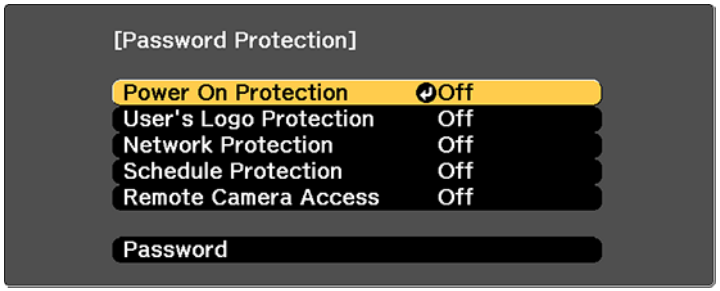
   You see the message "Password accepted."

6. Press **Esc** to return to the menu.
7. Make a note of the password and keep it in a safe place in case you forget it.

Parent topic: Password Security Types

Selecting Password Security Types

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



If you do not see this menu, hold down the **Freeze** button on the remote control for about 5 seconds or until the menu appears.

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

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

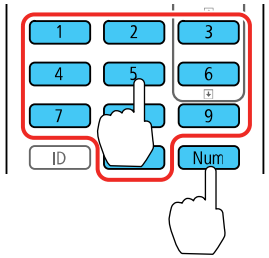
Parent topic: Password Security Types

Entering a Password to Use the Projector

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

You must enter the correct password to use the projector.

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



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

The password screen closes.

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

Parent topic: Password Security Types

Related references

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

Saving a User's Logo Image to Display

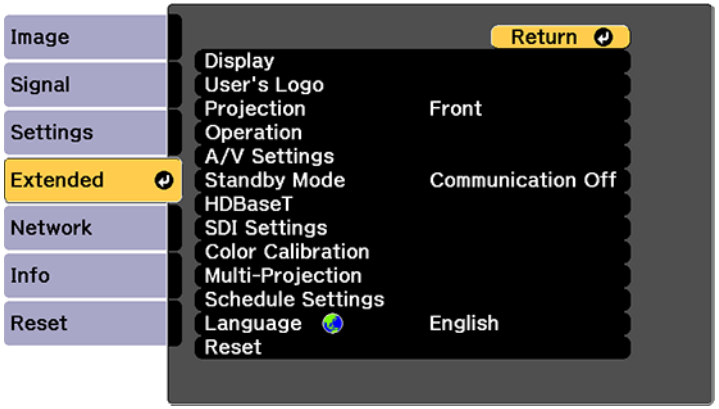
You can transfer an image to the projector and then display it whenever the projector turns on. You can also display the image when the projector is not receiving an input signal or when you temporarily stop projection (using the Shutter feature). This transferred image is called the User's Logo screen.

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**.
5. A prompt appears asking if you want to use the displayed image as the user's logo. Select **Yes** and press **Enter**.
6. A prompt appears again asking if you want to use the displayed image as the user's logo. Select **Yes** and press **Enter**.

   You see a completion message.
7. Press **Esc** to return to the **Extended** menu.
8. Select **Display** and press **Enter**.
9. Select when you want to display the User's Logo screen:
   - To display it whenever there is no input signal, select **Display Background** and set it to **Logo**.
   - To display it whenever you turn the projector on, select **Startup Screen** and set it to **On**.

To 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

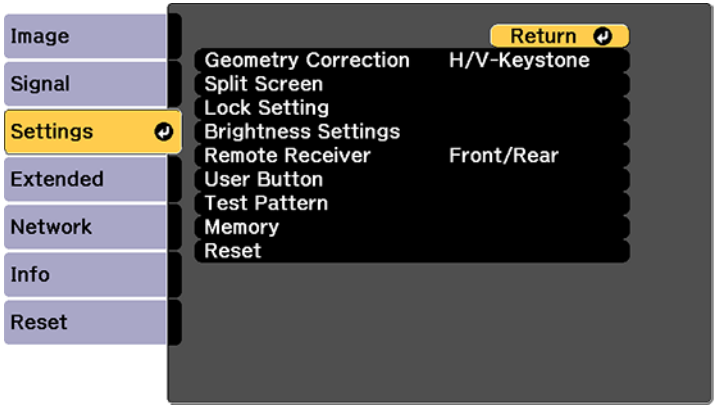
Saving Settings to Memory and Using Saved Settings

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

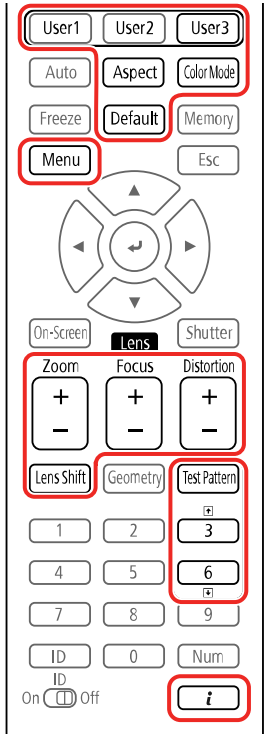
Locking the Remote Control Buttons

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

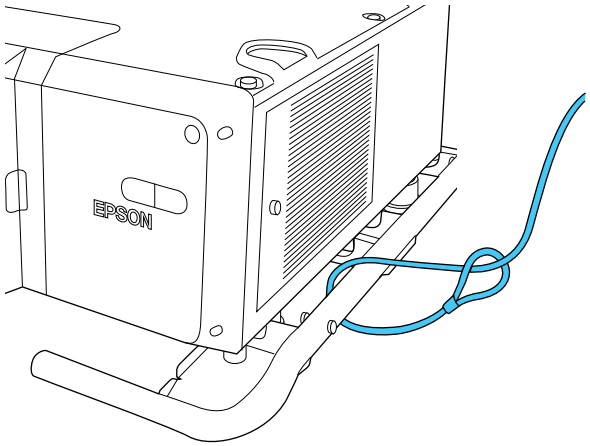
Related tasks

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 the handles on the projector to attach a wire cable and secure it to a room fixture or heavy furniture.



Parent topic: Projector Security Features

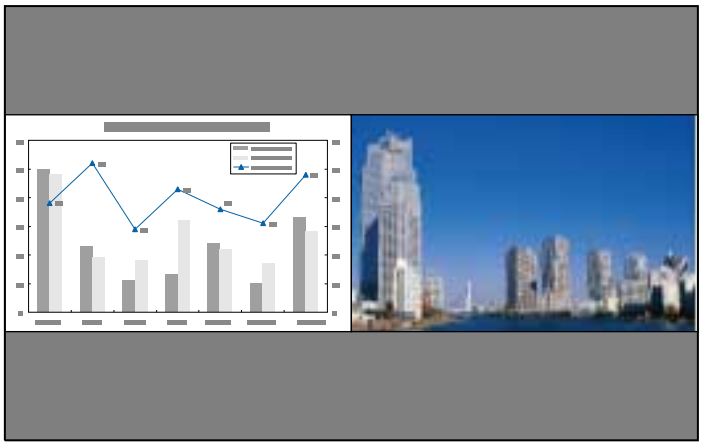
Related references

Projector Parts - Side/Rear

Projector Parts - Base/Handle

Projecting Two Images Simultaneously

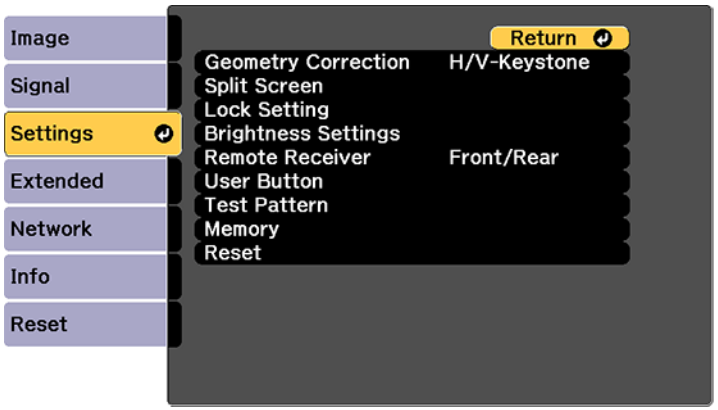
You can use the split screen feature to simultaneously project two images from different image sources next to each other. You can control the split screen feature using the projector menus.



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.

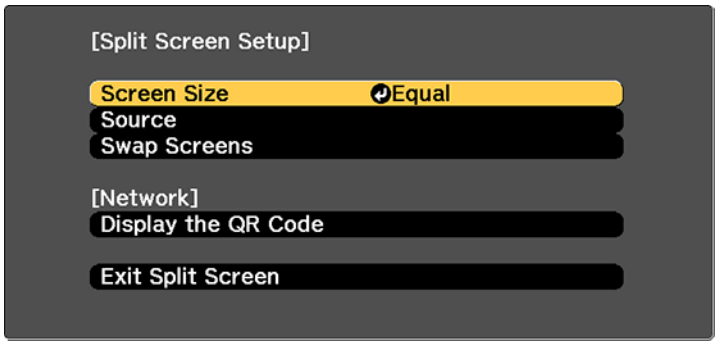
1. Press the **Menu** button.

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



3. Select **Split Screen** and press **Enter**.
4. Press the **Menu** button.

   You see this screen:



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

Parent topic: Adjusting Projector Features

Input Sources for Split Screen Projection

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

Note: Input signals exceeding WUXGA are not supported. If you see a 4K Enhancement message, select **Yes** to disable the 4K Enhancement feature.

Left Screen	Right Screen						
	HDMI	HDBaseT	DVI-D	SDI	Computer	BNC	LAN
HDMI	—	✓	✓	✓	✓	✓	✓
HDBaseT	✓	—	✓	✓	✓	✓	✓
DVI-D	✓	✓	—	✓	✓	✓	✓
SDI	✓	✓	✓	—	—	—	—
Computer	✓	✓	✓	—	—	—	—
BNC	✓	✓	✓	—	—	—	—
LAN	✓	✓	✓	—	—	—	—

Parent topic: Projecting Two Images Simultaneously

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 4K Enhancement
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

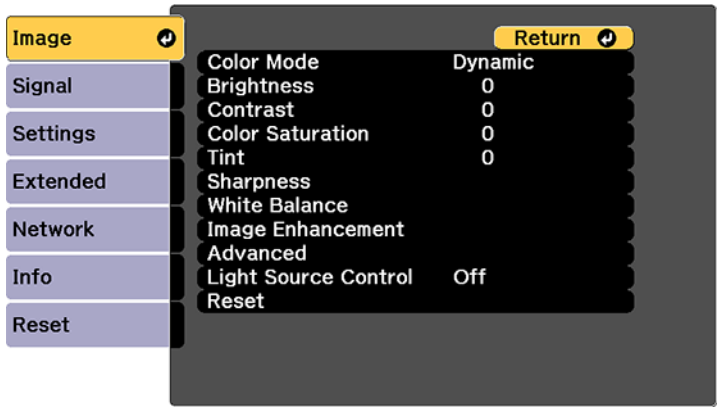
Using 4K Enhancement

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

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

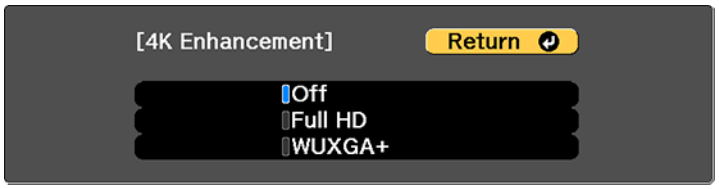
1. Press the **Menu** button.

   You see a screen like this:



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

3. Select the **4K Enhancement** setting and press **Enter**.



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

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

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

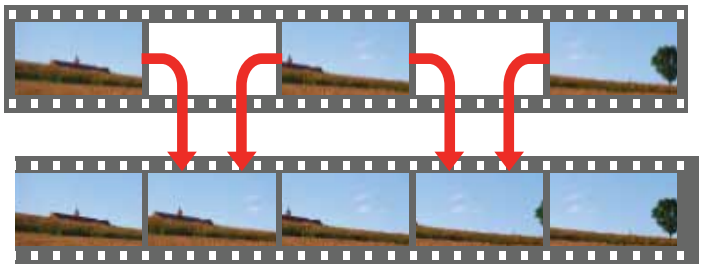
Parent topic: Using Advanced Image Adjustment Features

Related references

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

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:

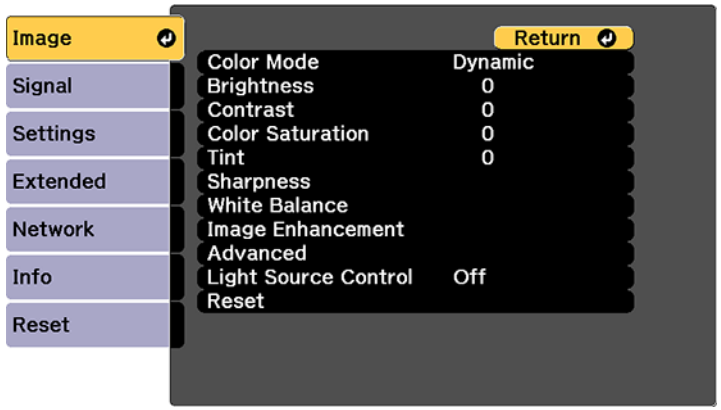
- You are using the E-Zoom feature
- The image signal exceeds WUXGA
- You turned on the **4K Enhancement**, **Edge Blending**, or **Scale** settings

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 **4K Enhancement**, **Edge Blending** or **Scale** settings
- You selected **Off** as the **Image Preset Mode** setting

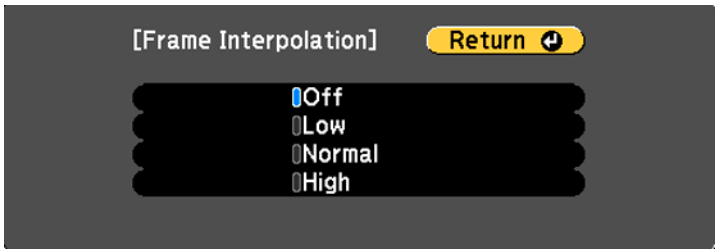
1. Press the **Menu** button.

   You see a screen like this:



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

You see a screen like this:



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

Note: If your resulting images contain noise, turn off the **Frame Interpolation** setting. You can also select the **Noise Reduction** setting from the **Image Enhancement** menu.

Parent topic: Using Advanced Image Adjustment Features

Related references

Image Quality Settings - Image Menu

Projector Feature Settings - Settings Menu

Projector Setup Settings - Extended Menu

Creating Image Presets

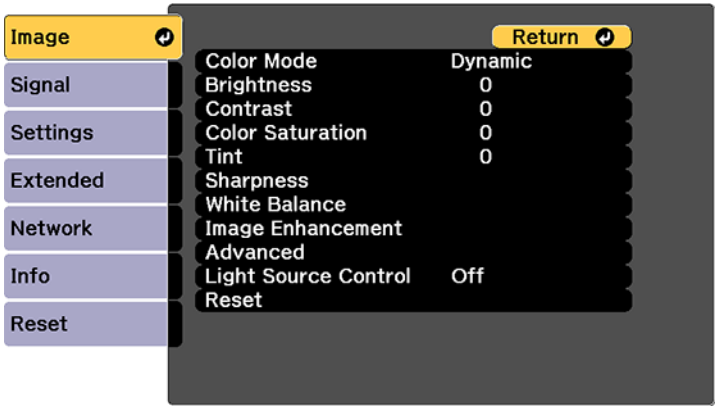
You can quickly optimize your projected image by selecting image adjustment settings and saving them as a preset you can reuse later.

You can save the following settings in a preset:

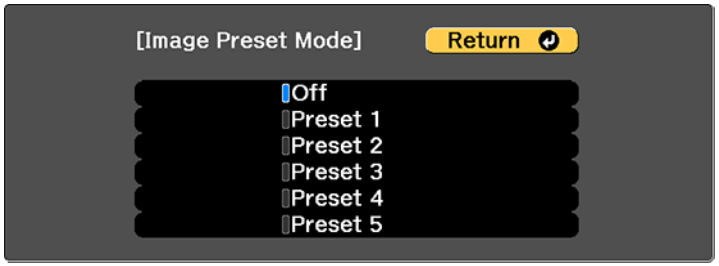
- Frame Interpolation
- Deinterlacing
- Noise Reduction
- MPEG Noise Reduction
- Super-resolution
- Detail Enhancement

1. Press the **Menu** button.

You see a screen like this:



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



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

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

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

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

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

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

Parent topic: Using Advanced Image Adjustment Features

Related references

Image Quality Settings - Image Menu

Using MPEG Noise Reduction

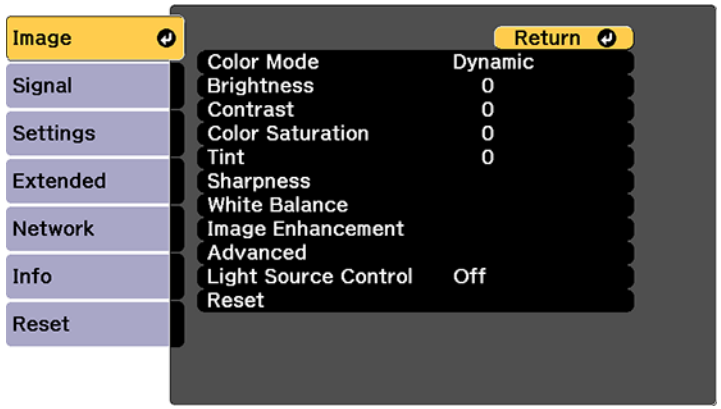
If you are projecting MPEG movies, you can reduce dots and block noise by adjusting the **MPEG Noise Reduction** setting.

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

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

1. Press the **Menu** button.

   You see a screen like this:



2. Select the **Image Enhancement** setting and press **Enter**.
3. Select the **MPEG Noise Reduction** setting and press **Enter**.
4. Select the level of noise reduction and press **Enter**.
5. Press **Menu** or **Esc** to exit the menus.

Parent topic: Using Advanced Image Adjustment Features

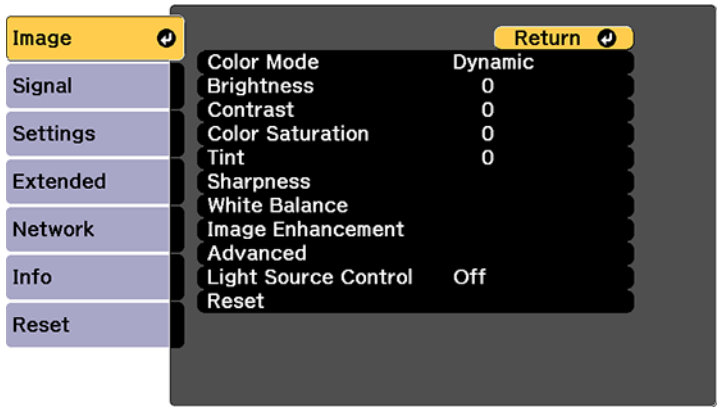
Related tasks
Using 4K Enhancement

Adjusting Scaled Resolution Images (Super-resolution)

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

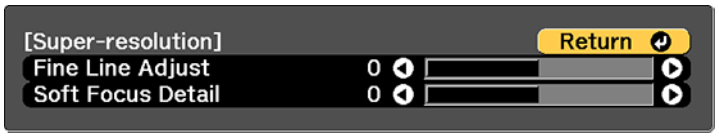
1. Turn on the projector and switch to the image source you want to use.
2. Press the **Menu** button.

   You see a screen like this:



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

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



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

   Note: Higher values increase the intensity of the effect.

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

Parent topic: Using Advanced Image Adjustment Features

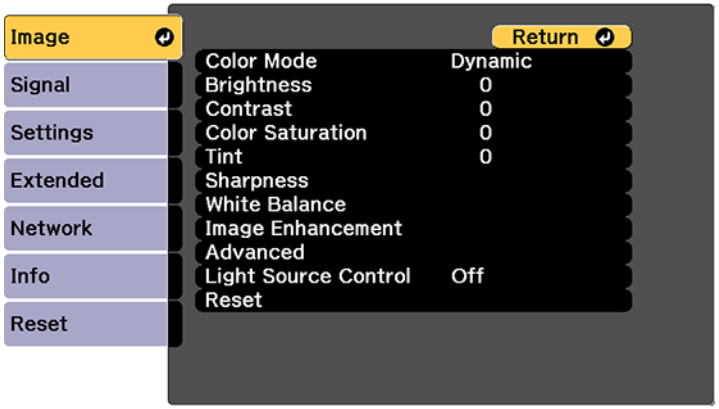
Adjusting Detail Enhancement

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

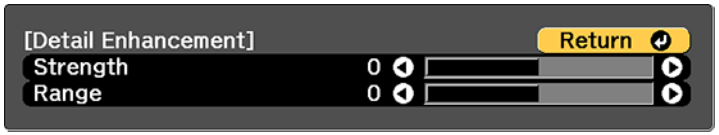
Note: This feature is not available if the **Image Preset Mode** setting is set to **Off**.

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

You see a screen like this:



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



6. 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.

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

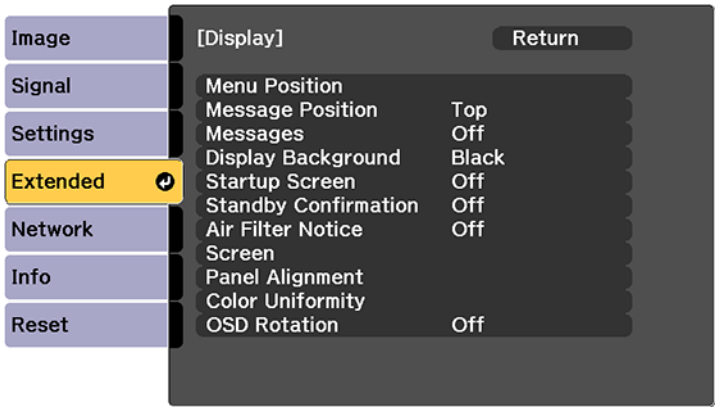
Parent topic: Using Advanced Image Adjustment Features

Adjusting the Color Convergence (Panel Alignment)

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

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

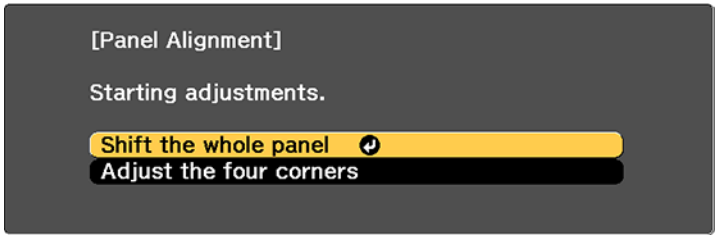
1. Turn on the projector.
2. Press the **Menu** button.
3. Select the **Extended** menu and press **Enter**.
4. Select the **Display** setting and press **Enter**.



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

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

    You see this screen:



15. First, select **Shift the whole panel** to adjust the entire panel and press **Enter**.
16. Use the arrow buttons on the remote control to adjust the whole panel and press **Enter**.
17. Next, select **Adjust the four corners** to make finer adjustments and press **Enter**.
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 needs additional panel alignment, select **Select intersection and adjust** and press **Enter** to continue making adjustments.
    - If your projector's panel alignment is now correct, select **Exit** and press **Enter** to return to the Panel Alignment menu.

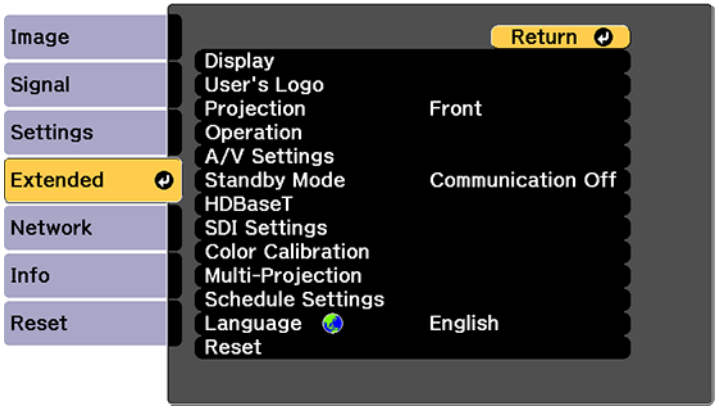
Parent topic: Using Advanced Image Adjustment Features

Adjusting the Color Tone (Color Uniformity)

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

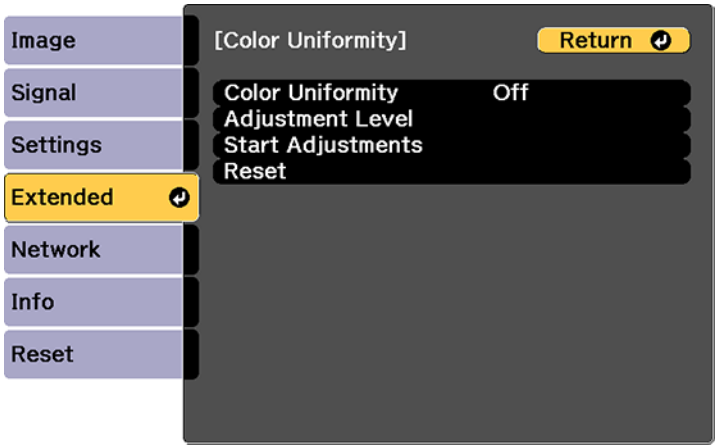
1. Press the **Menu** button.

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



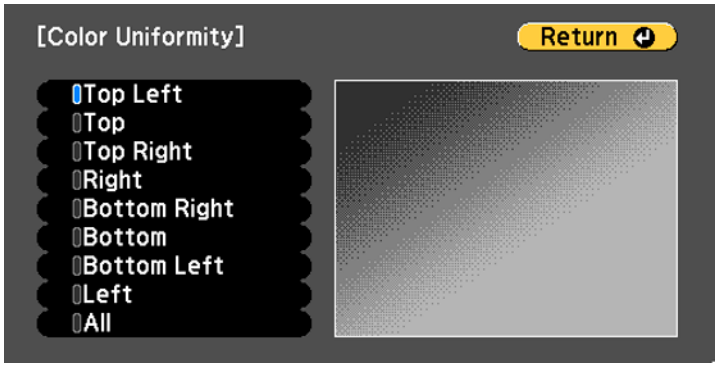
3. Select the **Display** setting and press **Enter**.
4. Select the **Color Uniformity** setting and press **Enter**.

   You see this screen:



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

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



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

    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.

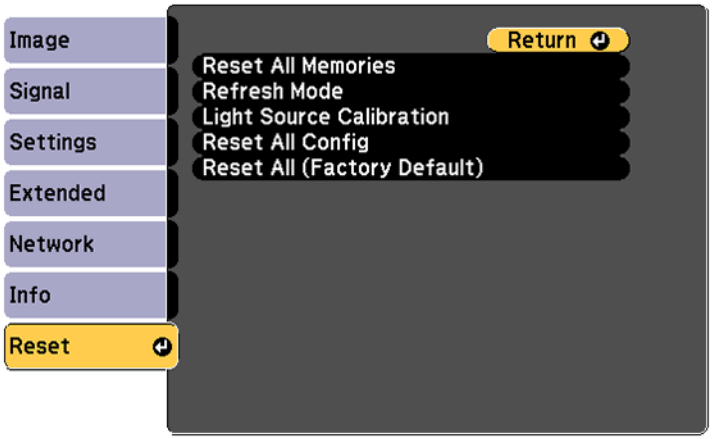
Automatic light source calibration may not start in the following conditions:

- Within 20 minutes of turning on the projector.
- When using the Shutter feature or within 20 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 20 minutes and the projector brightness must not be automatically dimmed due to high temperatures.

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

   You see a screen like this:



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

- To see the last time the projector performed a calibration, select **Last Run**.

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

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
Tiling Images Using Geometry Correction Assist
Stacking Images Using Geometry Correction Assist
Simple Stacking for One Bright Image

Parent topic: Adjusting Projector Features

Multiple Projector Adjustment Overview

If you are combining images from multiple projectors on a network (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.

You can automatically correct distortion and overlapping areas in multiple projected images by using the tiling assist function and automatically correct stacked images using the stacking assist function in the Epson Projector Professional Tool.

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 Buttons
Correcting Image Shape with Point Correction
Blending the Image Edges
Adjusting the Black Level
Matching the Screens Automatically
Scaling an Image

Related topics

Tiling Images into One Image
Matching Tint and Brightness (Screen Matching)

Projector Identification System for Multiple Projector Control

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

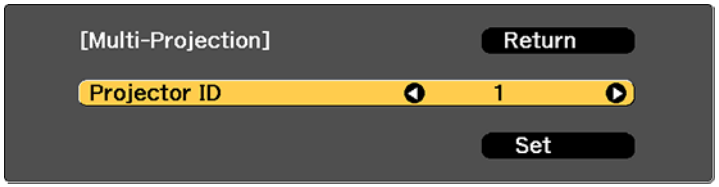
Setting the Projector ID
Setting the Remote Control ID

Parent topic: Using Multiple Projectors

Setting the Projector ID

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

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



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

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

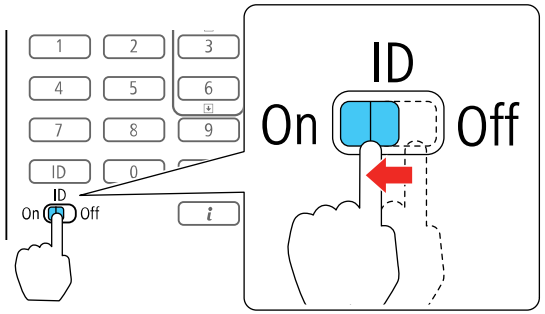
Note: If you don't know the projector's ID, hold down the **ID** button and press the **i** button to temporarily display the projector's ID on the screen.

Parent topic: Projector Identification System for Multiple Projector Control

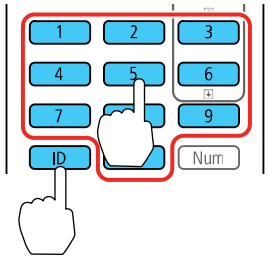
Setting the Remote Control ID

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

1. Turn on the projector you want the remote control to operate with exclusively.
2. Set the remote control **ID** switch to **On**.



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

Parent topic: Projector Identification System for Multiple Projector Control

Related concepts

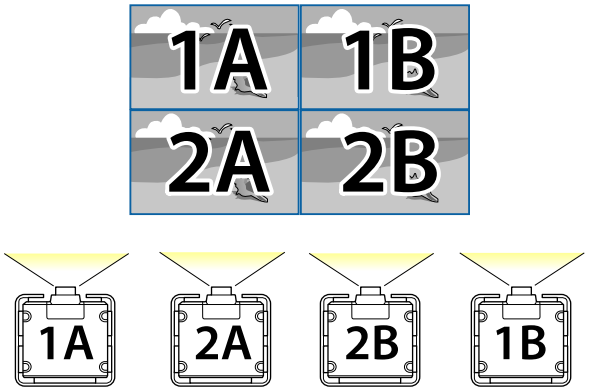
Image Shape

Related references

Additional Projector Software and Manuals

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

Configuring Tiling Automatically

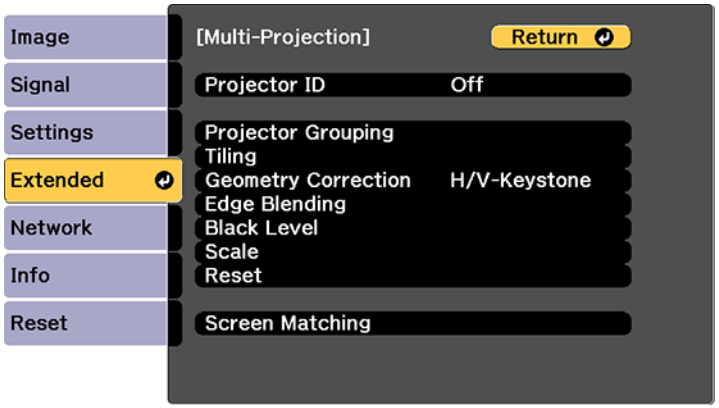
If your projectors are on a network and you have identified a master projector, you can configure tiling automatically.

1. Turn on the projector.

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

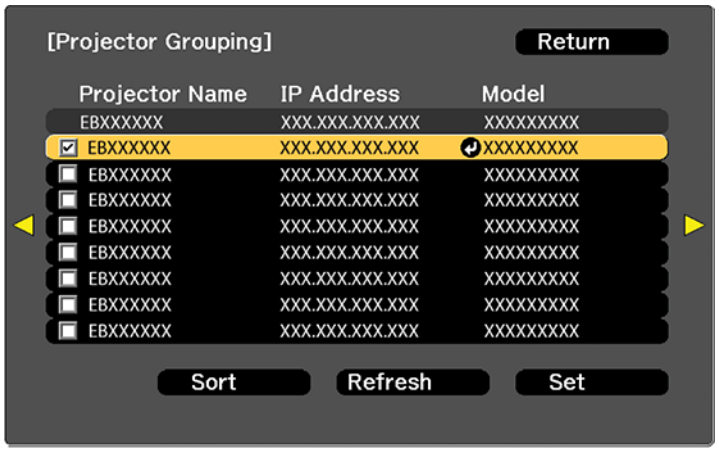
2. Press the **Menu** button.
3. Select the **Extended** menu and press **Enter**.
4. Select **Multi-Projection** and press **Enter**.

   You see this screen:

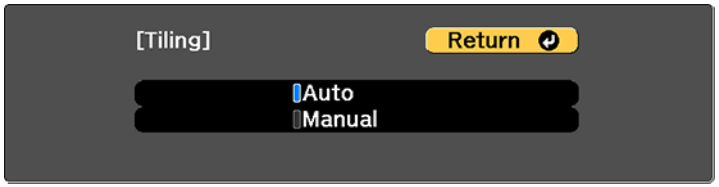


5. Select **Projector Grouping** and press **Enter**.

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**.



9. Select **Auto** and press **Esc**.
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:



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

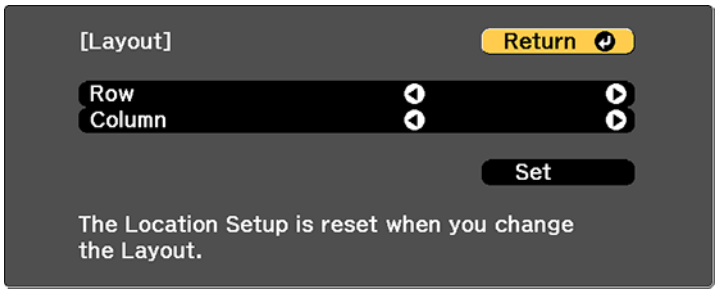
Configuring Tiling Manually

Configuring Tiling Manually

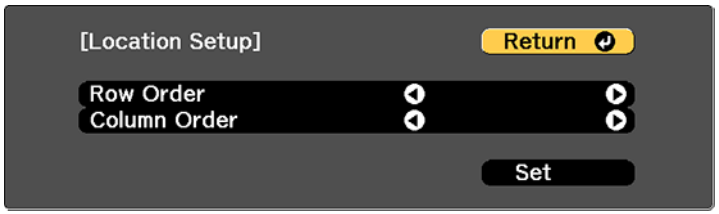
You can project the same image from multiple projectors to create one large image. If your projectors are not on a network or you were unsuccessful tiling the images automatically, you can configure tiling manually.

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

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

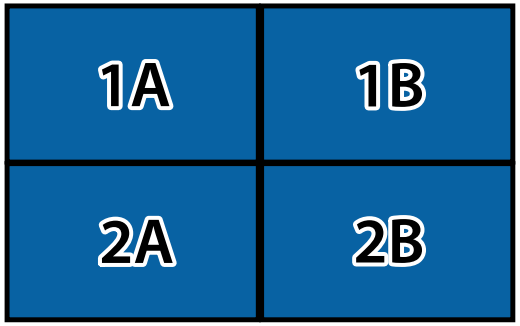


4. Select the number of rows and columns you are setting up as the **Row** and **Column** settings. Then select **Set** and press **Enter**.
5. Repeat the previous steps with each projector you are setting up before continuing with the next step.
6. Select **Location Setup** and press **Enter**.



7. 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



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

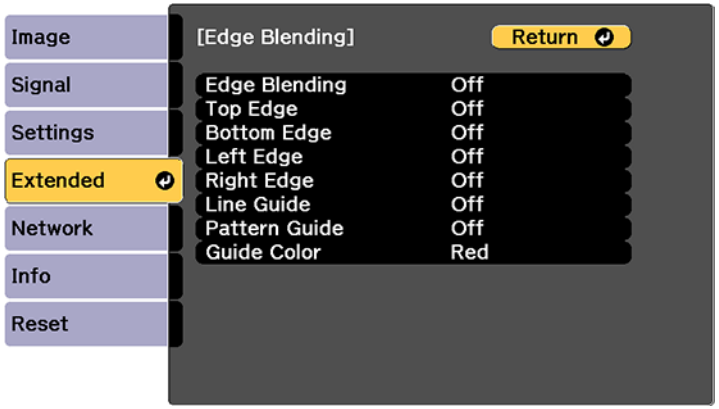
Blending the Image Edges

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.

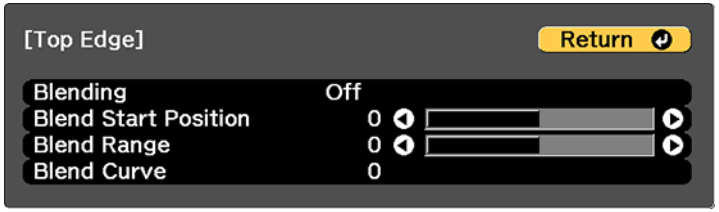
1. Press the **Menu** button.
2. Select the **Extended** menu and press **Enter**.
3. Select the **Multi-Projection** setting and press **Enter**.
4. Select the **Edge Blending** setting and press **Enter**.

You see this screen:



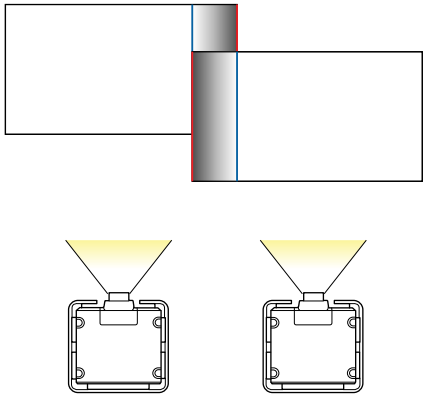
5. Turn on the **Edge Blending**, **Line Guide**, and **Pattern Guide** settings.
6. Select the edge you want to blend on each projector and press **Enter**. For the projector on the left, select the **Right Edge** and for the projector on the right, select **Left Edge**.

   You see a screen like this:



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

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



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

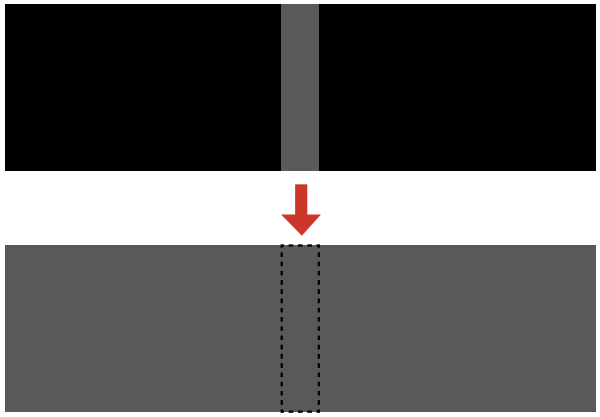
Parent topic: Using Multiple Projectors

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.

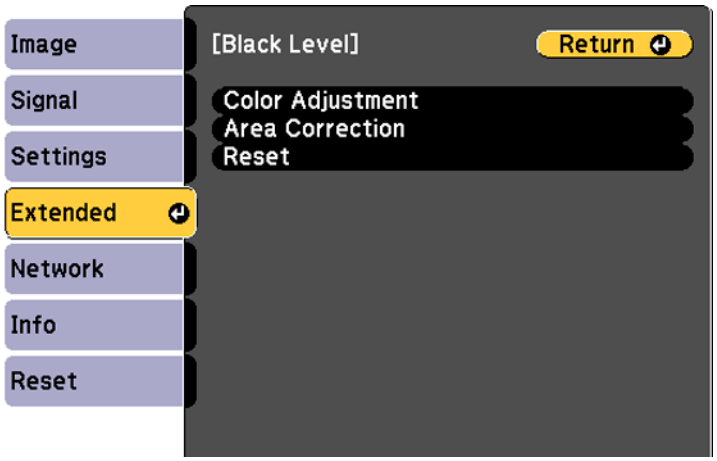


You cannot adjust the **Black Level** setting if you are displaying a test pattern, if the **Edge Blending** setting is set to **Off**, or no edge position is selected.

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

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

You see this screen:

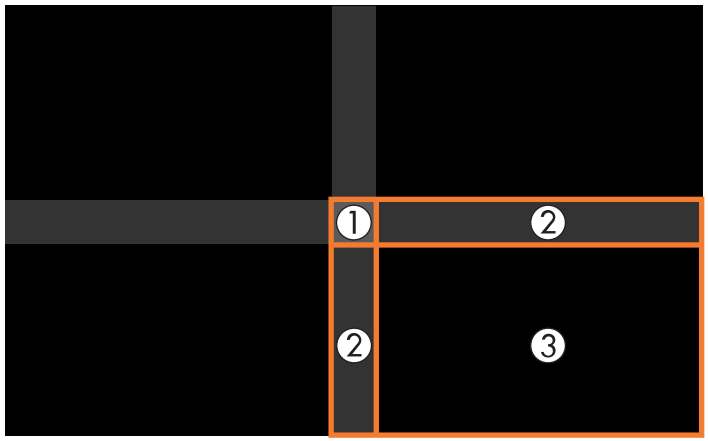


5. Select the **Color Adjustment** setting and press **Enter**.

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

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

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



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

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



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

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

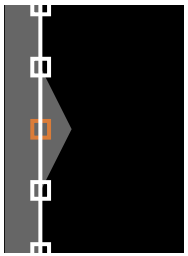
13. Use the arrow buttons to select a boundary line of the area you want to adjust and press **Enter**.

    The selected line is displayed in orange.

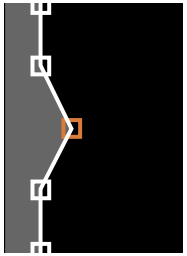


14. Use the arrow buttons to adjust the boundary line position and press **Enter**.
15. Use the arrow buttons to select an adjustment point and press **Enter**.

    The selected point turns orange.



16. Use the arrow buttons to move the point.



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

Note: Changing the **Top Edge**, **Bottom Edge**, **Right Edge**, or **Left Edge** settings resets the **Black Level** setting to its default value. You can also select the **Reset** setting from the **Black Level** menu to return the **Black Level** settings to their 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 20 minutes after turning on the projector before using the Screen Matching feature and darken the room for maximum accuracy. Brightness decreases over time, so you may need to perform Screen Matching again to correct large differences in brightness.

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. You can schedule automatic screen matching using the scheduling function of the projector.

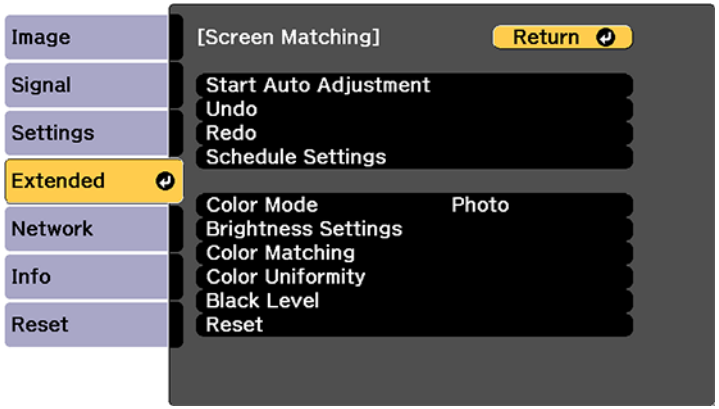
Before you start, make sure of the following:

- Select **Multi-Projection** 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%.
- The **Brightness Level** is set to the maximum for all projectors.
- The model number of all projectors is Pro L30000UNL or Pro L30002UNL.

Note: Auto adjustment is not available for the following lenses: ELPLR05, ELPLL09, or ELPLL10. 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-Projection** setting and press **Enter**.

4. Select the **Screen Matching** setting and press **Enter**.



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

   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. The **Light Source Control** setting is set to **Off**.

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

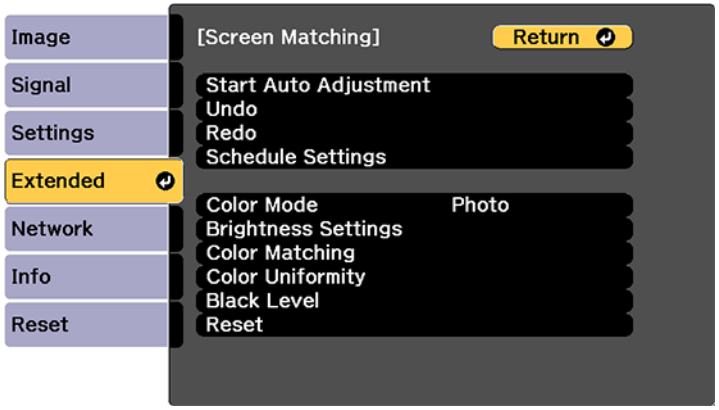
Matching the Screens Manually

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

Note: We recommend that you reset the following settings on the **Image** menu before beginning manual screen matching: **Brightness**, **Contrast**, **Color Saturation**, **Tint**, **White Balance** (all settings), **Gamma**, and **RGBCMY**.

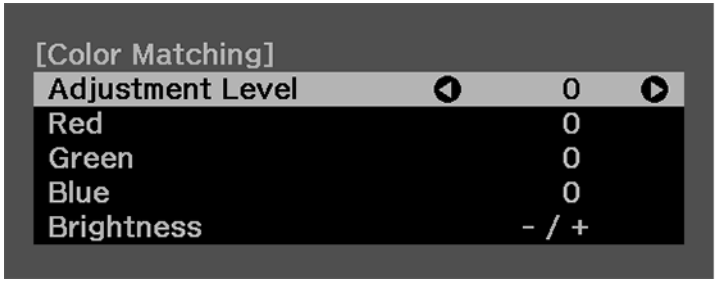
1. Press the **Menu** button.
2. Select the **Extended** menu and press **Enter**.
3. Select the **Multi-Projection** setting and press **Enter**.
4. Select the **Screen Matching** setting and press **Enter**.

   You see a screen like this:



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

   You see this screen:



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

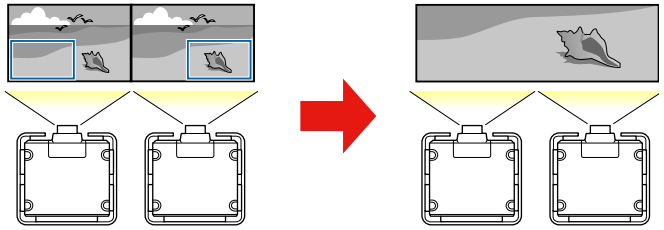
   Note: There are eight adjustment levels ranging from white to black and you can adjust each level individually.

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

Parent topic: Matching Tint and Brightness (Screen Matching)

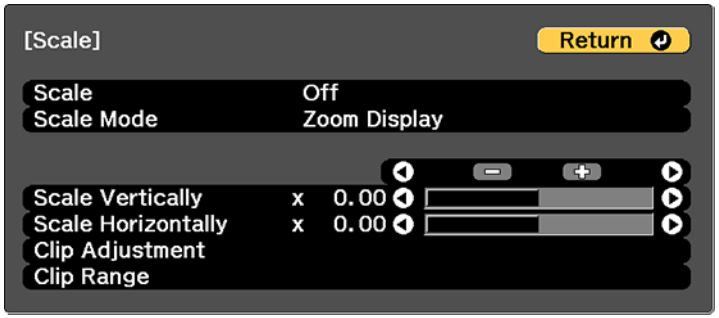
Scaling an Image

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

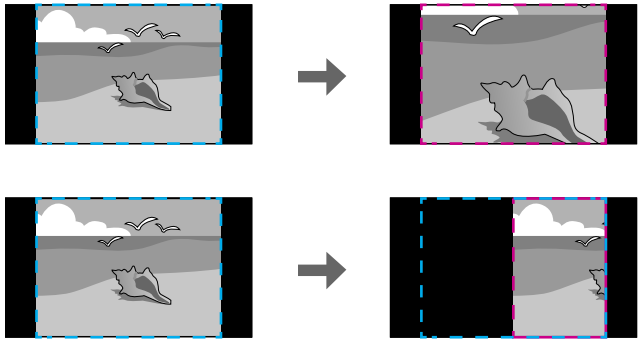


1. Press the **Menu** button.
2. Select the **Extended** menu and press **Enter**.
3. Select the **Multi-Projection** setting and press **Enter**.
4. Select the **Scale** setting and press **Enter**.

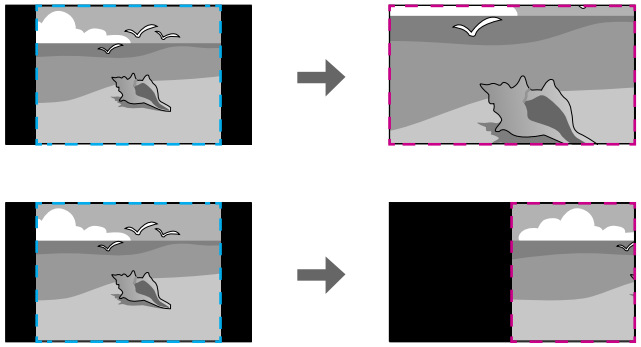
   You see this screen:



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



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



7. If you selected **Auto** as the Scale setting, you can skip the remaining steps. If you selected **Manual**, adjust each of the following options as necessary:
   - Select **–** or **+** to scale the image horizontally and vertically at the same time

- Select **Scale Vertically** to scale the image vertically only
- Select **Scale Horizontally** to scale the image horizontally only

8. Select the **Clip Adjustment** setting and use the arrow buttons to adjust the coordinates and size of each image as you view the screen.
9. Select the **Clip Range** setting to preview the area you just selected.
10. Press the **Menu** button to exit.

Parent topic: Using Multiple Projectors

Related tasks

Blending the Image Edges

Related topics

Tiling Images into One Image

Tiling Images Using Geometry Correction Assist

Using the projector's built-in camera and the Edge Blending feature, you can create a seamless image by automatically adjusting the pixel position in overlapping areas of the image.

You can run Geometry Correction Assist from the Epson Projector Professional Tool (version 1.20 or later). You can download the tool from the Epson support website at epson.com/support (U.S.), epson.ca/support (Canada), or epson.com.jm/support (Caribbean).

We recommend performing auto adjustment in a darkened room and at least 20 minutes after turning on the projector or canceling the shutter function. The time necessary for auto adjustment varies depending on the location and number of projectors and can take up to six minutes to perform.

Note: Auto adjustment is not available for the following lenses: ELPLR05, ELPLL09, or ELPLL10.

Before you start, make sure of the following:

- All the projectors are connected to a network and configured in Epson Projection Professional Tool.
- You are projecting on a matte white diffusion screen that is flat and even.
- The illuminance ratio of the screen when projecting an all-white screen and when projecting an all-black screen is 8:1 or more.
- The projection size for each projector is between 100 to 500 inches (254 to 1270 cm) and is rectangular after tiling (when projecting onto a screen surface with an illuminance of 40 lux or lower with the **Light Source Mode** set to **Normal**).
- Nothing is blocking the built-in camera on the front of each projector.

- Parts of all projected images are overlapping.
- The projectors are installed parallel to the screen.
- The **Blend Range** setting for edge blending is set between 15 to 43%.
- All the projectors support the tiling function of Geometry Correction Assist and have the same panel resolution.
- All projectors **Projection** settings are set to **Front** or **Front/Ceiling**.
- You are not using the stacking function of Geometry Correction Assist.

Parent topic: Using Multiple Projectors

Related references

Projector Setup Settings - Extended Menu
Additional Projector Software and Manuals

Stacking Images Using Geometry Correction Assist

Using the projector's built-in camera, you can overlap images from up to six projectors to project one, bright image. Point Correction is performed automatically.

You can run Geometry Correction Assist from the Epson Projector Professional Tool (version 1.31 or later). You can download the tool from the Epson support website at epson.com/support (U.S.), epson.ca/support (Canada), or epson.com.jm/support (Caribbean).

We recommend performing auto adjustment in a darkened room and at least 20 minutes after turning on the projector or canceling the shutter function. The time necessary for auto adjustment varies depending on the location and number of projectors and can take up to 10 minutes to perform.

Note: Auto adjustment is not available for the following lenses: ELPLR05, ELPLL09, or ELPLL10.

Before you start, make sure of the following:

- All the projectors are connected to a network and configured in Epson Projection Professional Tool.
- You are projecting on a matte white diffusion screen that is flat and even.
- The illuminance ratio of the screen when projecting an all-white screen and when projecting an all-black screen is 8:1 or more.
- The projection size for each projector is between 100 to 500 inches (254 to 1270 cm) and is rectangular after stacking (when projecting onto a screen surface with an illuminance of 40 lux or lower with the **Light Source Mode** set to **Normal**).
- The screen gain is 0.9 to 1.1.

- Nothing is blocking the built-in camera on the front of each projector.
- Parts of all projected images are overlapping.
- The projectors are installed parallel to the screen.
- The **Blend Range** setting for edge blending is set between 15 to 43%.
- All the projectors support the stacking function of Geometry Correction Assist and have the same panel resolution.
- All projectors **Projection** settings are set to **Front** or **Front/Ceiling**.
- The projection size for all of the projectors is larger than the projection size after stacking.
- You are not using the tiling function of Geometry Correction Assist.

Parent topic: Using Multiple Projectors

Related references

Projector Setup Settings - Extended Menu
Additional Projector Software and Manuals

Simple Stacking for One Bright Image

You can create a bright projected image by overlapping the images of up to six projectors. You can stack two projectors using the projector menus, or up to six projectors using the Epson Projector Professional Tool.

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

Simple Stacking Conditions
Setting Up Simple Stacking

Parent topic: Using Multiple Projectors

Simple Stacking Conditions

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

- All of the projectors are the same model and a built-in or optional camera is installed on each projector.
- Wait for 2 minutes after turning on all of the projectors before starting the simple stacking process.
- You are projecting on a matte white diffusion screen that is flat and even.

- All of the projectors are installed parallel to the screen.

  Caution: Do not stack projectors directly on top of each other.

- Nothing is blocking the optional camera and the projected image.
- The projection size is within the following range according to the brightness of the light source (when the screen luminance is 40 lux or less):
  - Up to 9.9 Klm: 50 to 200 inches (127 to 508 cm)
  - 10 Klm: 60 to 300 inches (152 to 762 cm)
  - 15 Klm to 19.9 Klm: 70 to 350 inches (178 to 889 cm)
  - 20 Klm to 24.9 Klm: 80 to 400 inches (203 to 1016 cm)
  - 25 Klm to 29.9 Klm: 90 to 450 inches (229 to 1143 cm)
  - 30 Klm or more: 100 to 500 inches (254 to 1270 cm)
- All of the projectors are projecting images at the same resolution.
- The luminance ratio on the screen surface when projecting on an all-white screen and when projecting on an all-black screen is 8:1 or more.
- The **Projection** setting for all projectors is set to **Front** or **Front/Ceiling**.

Parent topic: Simple Stacking for One Bright Image

Setting Up Simple Stacking

You can create a bright projected image by overlapping the images of two projectors using the projector menus. You can overlap the images of up to six projectors when using the Epson Projector Professional Tool software and a built-in or optional camera.

1. Connect two projectors using a LAN cable.
2. Turn on the projectors.
3. Make sure the **DHCP** setting is turned on in the Network Configuration menu on all projectors.
4. Adjust the image position, shape, and focus on one of the projectors (this projector becomes the "master" projector).
5. Press the **Menu** button.
6. Select the **Extended** menu and press **Enter**.
7. Select the **Multi-Projection** setting and press **Enter**.
8. Select the **Simple Stacking** setting and press **Enter**.

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

     Note: This setting is only available if a built-in or optional camera is installed.

     If there are any gaps in the pixels of the projected images, adjust the **Point Correction** setting manually.
10. If your projector does not have a built-in camera or you have not installed an optional camera, adjust the **Focus**, **Zoom**, **Lens Shift**, and **Geometry Correction** settings manually.
11. Press the **Menu** button to exit.

Parent topic: Simple Stacking for One Bright Image

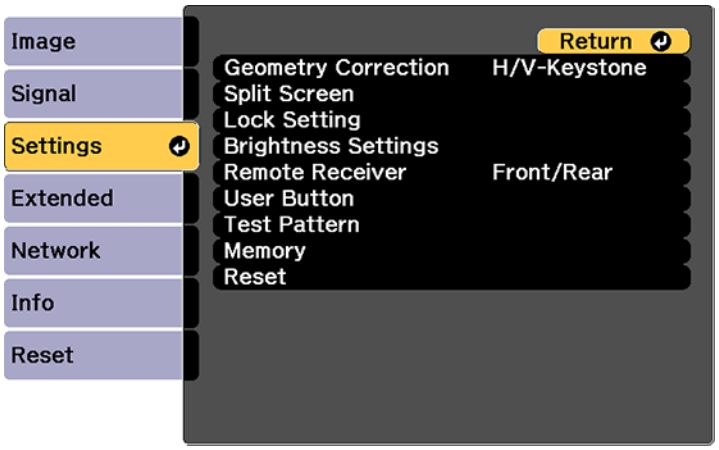
Saving Settings to Memory and Using Saved Settings

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

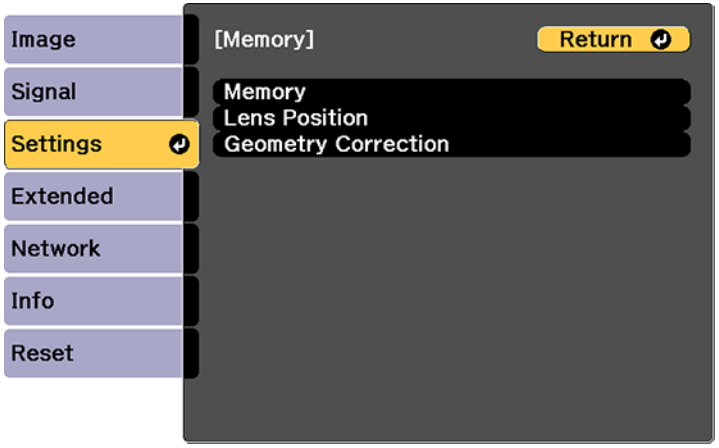
1. Turn on the projector and display an image.
2. Press the **Menu** button.

   Note: You can also press the **Memory** button on the remote control. Skip to step 5.

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



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



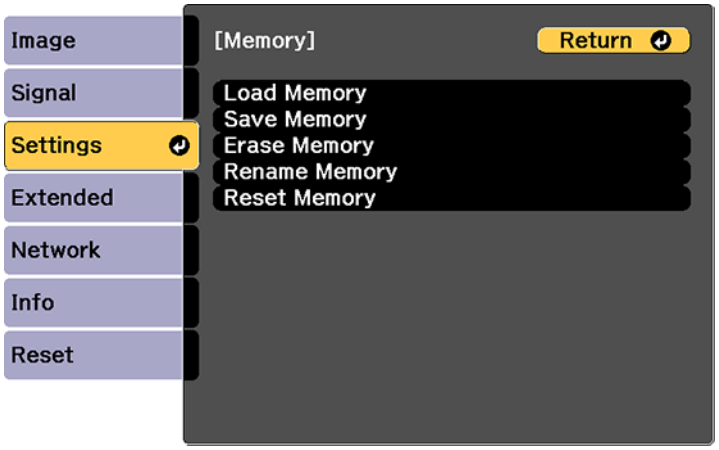
Note: You can also access this screen by pressing the **Memory** button on the remote control.

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

Note: The following settings are saved: all settings from the Image menu, the **Scale**, **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:



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 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: Light Source Calibration events do not start if the projector is used continuously for more than 24 hours, or regularly turned off by shutting off the power outlet. Set **Light Source Calibration** events to occur only after 100 hours of projector usage.

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** 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:



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

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

Parent topic: Saving a Scheduled Event

Editing a Scheduled Event

You can edit any currently scheduled event.

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

You see a screen like this:



4. Press the left or right arrow buttons to highlight the date on the calendar containing the scheduled event you want to edit.
5. Press the up or down arrow buttons to highlight the event you want to edit, and press **Esc**.
6. Select one of the following:
   - **On/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

Related concepts
Password Security Types

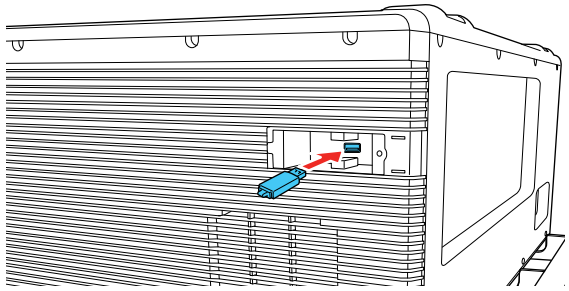
Related references
Projector Feature Settings - Settings Menu
Projector Network and Camera Settings - Network Menu
Input Signal Settings - Signal Menu
Projector Information Display - Info Menu
Additional Projector Software and Manuals

Saving Settings to a USB Flash Drive

You can save the projector settings you want to transfer to a USB flash drive.

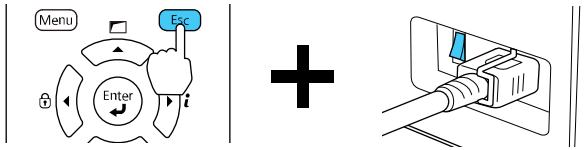
Note: Use an empty flash drive. If the drive contains other files, the transfer may not complete correctly. The flash drive must use the FAT format and cannot have any security features.

1. Turn off the projector using the power switch.
2. Insert the flash drive into the wireless LAN module port.



Note: Connect the flash drive directly to the projector. Do not use a hub 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

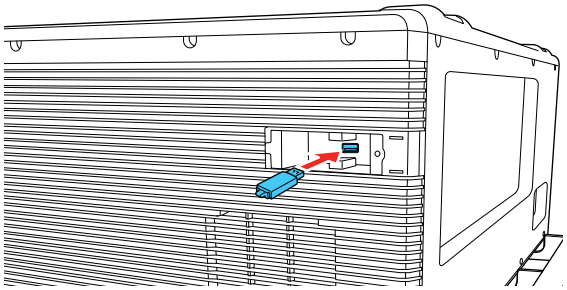
Transferring Settings from a USB Flash Drive

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.

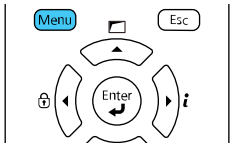
Do not adjust image settings on a projector until after you transfer settings to it. Otherwise, you may have to repeat your adjustments.

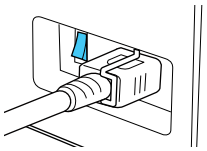
1. Turn off the projector using the power switch.
2. Insert the flash drive into the wireless LAN module port.



Note: Connect the flash drive directly to the projector. Do not use a hub or your settings may not be saved correctly.

3. Press and hold the **Menu** button on the control panel or remote control as you 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 **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.

Parent topic: Copying Menu Settings Between Projectors

Related references

Projector Light Status

Saving Settings to a Computer

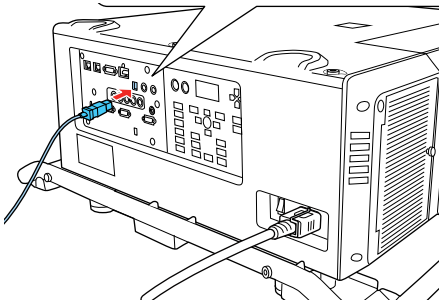
You can save the projector settings you want to transfer to a computer.

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

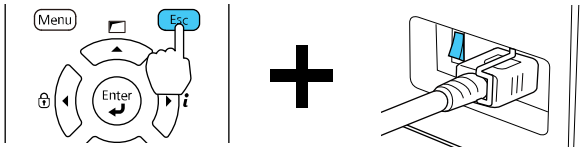
- Windows Vista
- Windows 7
- Windows 8.x
- Windows 10
- OS X 10.7.x

- 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
- macOS 10.15.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.



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 when you disconnect the USB cable.

Parent topic: Copying Menu Settings Between Projectors

Related references

Projector Light Status

Transferring Settings from a Computer

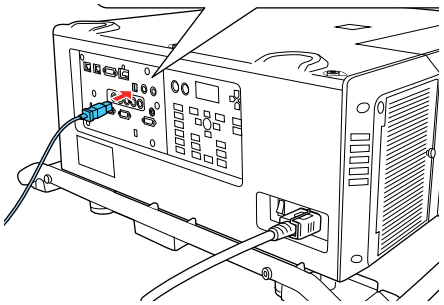
After saving projector settings to a computer, you can transfer them to another projector of the same model.

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

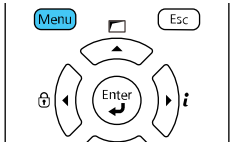
- Windows Vista
- Windows 7
- Windows 8.x
- Windows 10
- OS X 10.7.x
- OS X 10.8.x
- OS X 10.9.x
- OS X 10.10.x
- OS X 10.11.x
- macOS 10.12.x
- macOS 10.13.x
- macOS 10.14.x
- macOS 10.15.x

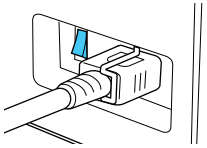
Do not adjust image settings on a projector until after you transfer settings to it. Otherwise, you may have to repeat your adjustments.

1. Turn off the projector 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.

   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

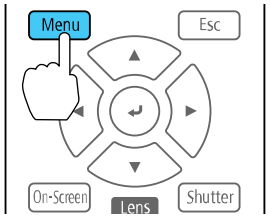
Follow the instructions in these sections to access the projector menu system and change projector settings.

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

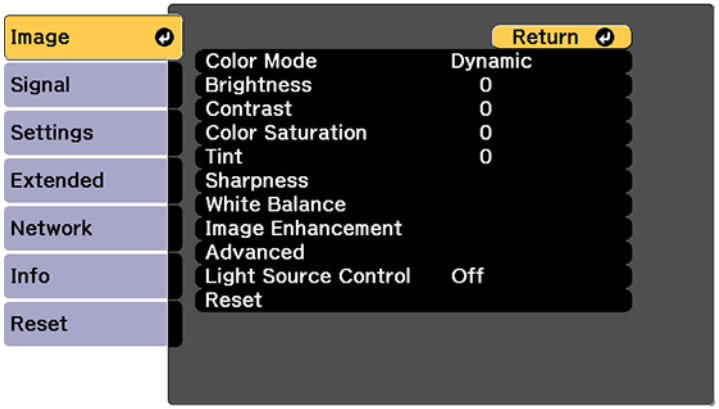
Using the Projector's Menus

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.



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

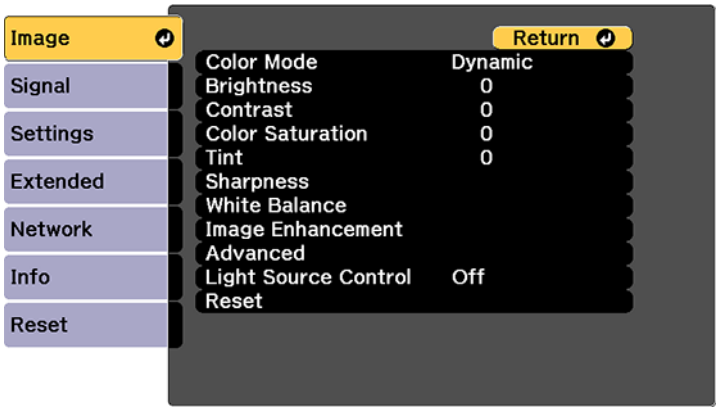
   Note: The available settings depend on the current input source, resolution, or other menu settings.

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

Parent topic: Adjusting the Menu Settings

Image Quality Settings - Image Menu

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



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

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

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

Setting	Options	Description
Image Enhancement	**4K Enhancement**	Accepts 4K signals and enhances the output of 1080p signals
	Image Preset Mode	Selects the image enhancement settings saved in advance
	Frame Interpolation	Smooths fast moving video by comparing consecutive frames and inserting an intermediate frame between them
	Deinterlacing	Sets whether to convert interlaced-to-progressive signals for certain video image types **Off**: for fast-moving video images **Video**: for most video images **Film/Auto**: for movies, computer graphics, and animation
	Noise Reduction	Reduces flickering in analog images
	MPEG Noise Reduction	Reduces the noise or artifacts seen in MPEG video
	Super resolution	Sharpens blurred images resulting from increasing resolution
	Detail enhancement	Enhances details to create clear outlines **Range**: higher settings increase the affected area around the outline **Strength**: higher settings create a stronger effect
Advanced	**Gamma**	Adjusts the gamma levels of the image. Select **Customized** to adjust the gamma while viewing the image or a graph.
	RGBCMY	Adjusts the hue, saturation, and brightness for each color

Setting	Options	Description
Dynamic Contrast	**Off** **Response Speed** **Black Level**	Adjusts the luminance of the image to improve contrast by tracking changes in image brightness **Response Speed**: select either **Normal** to adjust brightness at the standard speed or **High Speed** to adjust brightness as soon as the scene changes **Black Level**: select the black level you want to project when the brightness level of the image signal is zero; if you select 0%, the light source turns off
Light Source Control	**Light Source Control**	Selects the light source control method
	Dynamic Contrast	Automatically adjusts the amount of light according to the brightness of the image. **Response Speed**: Selects how quickly the amount of light is changed when the image changes. Select **High Speed** to change the amount of light as soon as the image changes. **Black Level**: Sets the black level when the brightness of the image is zero. Selecting 0% turns the light source off.
	Lights-Out Control	Automatically turns off the light after a certain time has elapsed while projecting at the specified video level. **Lights-Out Signal Level**: select the brightness level for the current video signal **Lights-Out Timer**: select the amount of time before the light source automatically turns off

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

Parent topic: Adjusting the Menu Settings

Related concepts

Using Advanced Image Adjustment Features

Related references

Available Color Modes

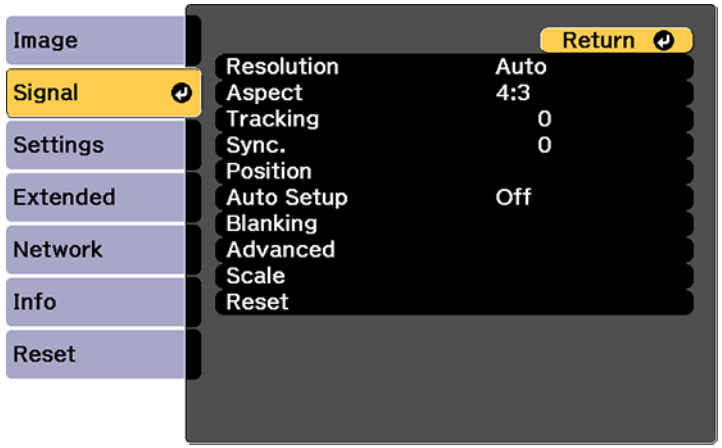
Projector Feature Settings - Settings Menu

Related tasks

Adjusting Luminance Controls

Input Signal Settings - Signal Menu

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



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

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

Setting	Options	Description
Resolution	**Auto** **Normal** **Wide** **Manual**	Sets the input signal resolution from an analog RGB computer connection **Auto**: detects the resolution automatically **Normal**: for 4:3 or 5:4 screens **Wide**: for widescreen **Manual**: lets you specify a resolution
Aspect	See the list of available aspect ratios	Sets the aspect ratio (width-to-height ratio) for the selected input source
Tracking	Varying levels available	Adjusts signal to eliminate vertical stripes in images from an analog RGB computer connection
Sync.	Varying levels available	Adjusts signal to eliminate fuzziness or flickering in images from an analog RGB computer connection
Position	Up, down, left, right	Adjusts the image location on the screen
Auto Setup	**On** **Off**	Automatically optimizes image quality from an analog RGB computer connection (when On)
Overscan	**Auto** **Off** **4%** **8%**	Changes the projected image ratio to make the edges visible by a selectable percentage or automatically

Setting	Options	Description
Blanking	**Top** **Bottom** **Left** **Right**	Hides an area of the projected image that you select using the arrow buttons
Color Space	**Auto** **BT.709** **BT.2020**	Sets the conversion system for the color space Selecting the incorrect color space for the input source may adversely affect the image colors; the recommended setting in most cases is **Auto**.
Dynamic Range	**Dynamic Range** **HDR10 Setting** **HLG Setting**	**Dynamic Range**: sets the range of dark and bright areas in images; choose from **Auto** (recommended), **SDR**, **HDR10**, or **HLG** **HDR10 Setting**: adjusts the curve for the PQ (Perceptual Quantizer) signal **HLG Setting**: adjusts the curve for the HDR HLG (Hybrid Log Gamma) signal

Setting	Options	Description
Advanced	**Video Range**	Sets the video range to match the setting of the device connected to the **HDMI**, **DVI-D**, **HDBaseT**, or **3D/HD/SD SDI** input ports
	Input Signal	Specifies the signal type from input sources connected to computer ports **Auto**: detects signals automatically **RGB**: corrects color for computer/RGB video inputs **Component**: corrects color for component video inputs
	BNC Sync Termination	Sets the termination for the signal from the **BNC** port (set to **Off** unless you need analog termination, such as for switchers)
	EDID	Describes the projector's display capabilities to devices connected to the HDMI, HDBaseT, or DVI-D input ports so you can unify multiple displays
	DDC Buffer	If you are projecting using an HDMI or DVI extension cable and the image is not displayed correctly, enabling this setting may improve image quality
Scale	Various scale options	When using multiple projectors to project one image, adjusts the scale of the image displayed by each projector

Parent topic: Adjusting the Menu Settings

Related references

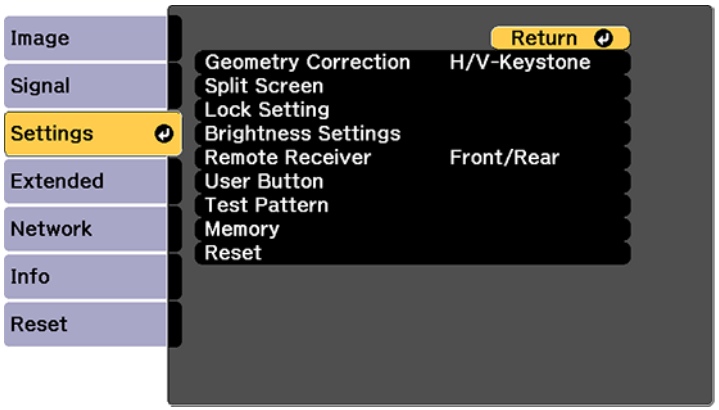
Available Image Aspect Ratios

Related tasks

Scaling an Image

Projector Feature Settings - Settings Menu

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



Setting	Options	Description
Geometry Correction	**H/V-Keystone** **Quick Corner** **Curved Surface** **Corner Wall** **Point Correction** **Memory**	Adjusts the projected image shape **H/V Keystone**: lets you manually correct the angles of the horizontal and vertical sides **Quick Corner**: select to adjust the position of the four corners **Curved Surface**: select to adjust the image when projecting on a curved surface **Corner Wall**: select to adjust the image when projecting on a surface with a right angle **Point Correction**: select to display a grid and finely adjust the image position **Memory**: select to save adjustment value of the geometric correction and load it when needed
Split Screen	—	Divides the viewing area horizontally and displays two images side-by-side
Lock Setting	**Control Panel Lock** **Lens Lock**	Controls projector button locking to secure the projector **Control Panel Lock**: • **Full Lock**: locks all buttons • **Partial Lock**: locks all buttons except the power button • **Off**: no buttons locked **Lens Lock**: locks the focus, zoom, lens shift, and distortion settings

Setting	Options	Description
Brightness Settings	**Light Source Mode** **Brightness Level** **Constant Brightness** **Estimated Remains**	Selects the brightness mode of the projector **Light Source Mode**: sets the brightness for the light source • **Normal**: maximum brightness • **Quiet**: 70% brightness with reduced fan noise • **Extended**: 70% brightness and extends the life expectancy of the light source • **Custom**: select a custom brightness level and enable use of next three settings **Brightness Level**: select the **Custom** brightness level you want **Constant Brightness**: maintains a constant brightness (cannot change the **Light Source Mode** and **Brightness Level** settings) **Estimated Remains**: displays how long the projector can maintain constant brightness (if that setting is selected)
Remote Receiver	**Front/Rear** **Front** **Rear** **Off**	Limits reception of remote control signals by the selected receiver; **Off** turns off all receivers
User Button	**User1** **User2** **User3**	Assigns a menu option to the **User1**, **User2**, and **User3** buttons on the remote control for one-touch access

Setting	Options	Description
Test Pattern	—	Displays a test pattern to assist in adjusting the image; select from a variety of patterns
Memory	**Memory** **Lens Position** **Geometry Correction**	Save customized sets of settings to memory **Memory**: loads, saves, erases, or resets specific menu settings **Lens Position**: saves the position of the adjusted lens **Geometry Correction**: saves the geometry correction adjustments.

Parent topic: Adjusting the Menu Settings

Related concepts

Image Shape

Related tasks

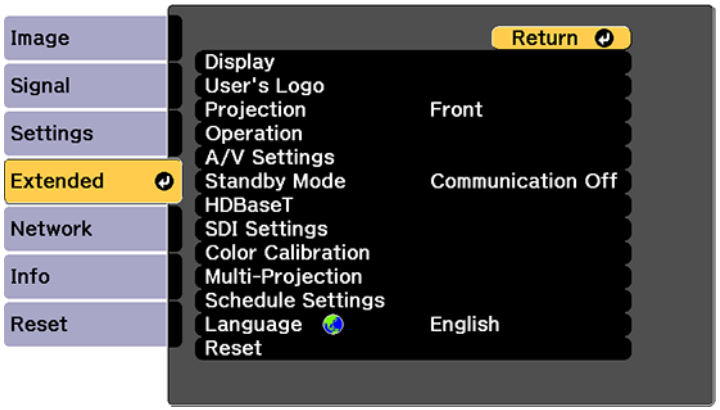
Projecting Two Images Simultaneously

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.



Setting	Options	Description
Display	—	See the **Display** settings table in this topic
User's Logo	—	Creates a screen that the projector displays to identify itself and enhance security
Projection	**Front** **Front/Ceiling** **Rear** **Rear Ceiling**	Selects the way the projector faces the screen so the image is oriented correctly
Operation	—	See the **Operation** settings table in this topic

Setting	Options	Description
A/V Settings	**A/V Output** **Monitor Out**	**A/V Output**: Select **Always On** to output images to an external device even when the projector is in standby mode (the **Standby Mode** setting must be set to **Communication On**) **Monitor Out**: Outputs the image source to an external monitor connected to the **Monitor Out** port when the projector is in standby mode.
Standby Mode	**Communication On** **Communication Off**	Enable this setting to allow the following operations to occur when the projector is in standby mode: • Monitor and control the projector over a network • Output video to an external device (**A/V Output** must be set to **Always On**) • Communication from the **HDBaseT** port (**Control Communications** must be set to **On** in the **HDBaseT** settings) • Set the IP address on the LCD display

Setting	Options	Description
HDBaseT	**Control Communications** **Extron XTP**	Selects the communication settings for connections to an HDBaseT transmitter or switcher **Control Communications**: enables or disables communication from the Ethernet and serial ports on the transmitter; turning on this setting disables the projector's **LAN**, **RS-232C**, and **Remote** ports (**Extron XTP** must be turned off to use this setting) **Extron XTP**: set to **On** when you connect an Extron XTP transmitter or switcher to the HDBaseT port The fan may rotate when this setting is set to **On**.
SDI Settings	**Link Type** **Manual Settings**	Select the signal settings for the SDI port **Link Type**: select **Single (Auto)** to let the projector read the payload ID for the input signal and automatically display the image, or select **Single (Manual)** when you know the type of input signal and want to select the same signal in the **Manual Settings** options **Manual Settings**: set various SDI settings manually or reset them to their default values

Setting	Options	Description
Color Calibration	**Start Auto Adjustment** **Undo** **Redo** **Color Uniformity**	Automatically detects color deterioration and adjusts the color tone **Start Auto Adjustment**: automatically adjusts the color tone for the whole image **Undo** and **Redo**: undoes or redoes the auto adjustment **Color Uniformity**: adjusts the color tone balance for the whole image

Setting	Options	Description
Multi-Projection	**Projector ID** **Projector Grouping** **Tiling** **Geometry Correction** **Edge Blending** **Black Level** **Scale** **Screen Matching** **Simple Stacking**	Select various options when projecting from multiple projectors **Projector ID**: sets the projector to a particular ID number which allows you to use a remote control to individually control projectors **Projector Grouping**: lets you select the projectors being used to project one image **Tiling**: sets the number of split screens and the position of each image **Geometry Correction**: corrects image distortion **Edge Blending**: blends the border between multiple images to create a seamless screen **Black Level**: adjusts the brightness and tone differences in overlapping images **Scale**: adjusts the scale of the images **Screen Matching**: adjusts the tint and brightness of the images **Simple Stacking**: adjusts settings when using multiple projectors with overlapping images; use **Point Correction** to adjust the image manually; or select **Start Auto Adjustment** to use the built-in camera

Setting	Options	Description
Schedule Settings	Various scheduling options	Lets you schedule various projector tasks
Language	Various languages available	Selects the language for projector menu and message displays (not changed by **Reset** option)

Display settings

Setting	Description
Menu Position	Selects the position of the projector menu displayed on the screen
Message Position	Selects the position of messages displayed on the screen
Messages	Controls whether messages are displayed on the screen
Display Background	Selects the screen color or logo to display when no signal is received
Startup Screen	Controls whether a special screen appears when the projector starts up
Standby Confirmation	Displays a confirmation message after pressing the **Standby** button on the remote control
Air Filter Notice	Displays a message when a clog in the air filter is detected
Screen	Sets the aspect ratio and position of the projected image according to the type of screen being used
Panel Alignment	Corrects color misalignment in the projected image
Color Uniformity	Adjusts the color tone balance
OSD Rotation	Rotates the menu display 90°

Operation settings

Setting	Description
Direct Power On	Turns on the projector when you plug it in

Setting	Description
Sleep Mode	Automatically places the projector in standby mode after an interval of inactivity
Sleep Mode Timer	Sets the time before the projector automatically turns off (Sleep Mode must be turned on)
High Altitude Mode	Regulates the projector's operating temperature at altitudes above 4921 feet (1500 m)
Startup Source Search	Automatically detects the image signal being input when the projector is turned on
Shutter Settings	Adjusts the shutter settings **Fade-in**: sets the number of seconds for a fade-in transition effect when displaying an image **Fade-out**: sets the number of seconds for a fade-out transition effect when hiding an image **Shutter Timer**: turns off the projector automatically after using the shutter and 2 hours of inactivity has passed **Shutter Release**: select **Shutter** if you want to use only the **Shutter** button to turn off the shutter, or select **Any Button** to use any button to turn it off **Startup**: select the shutter status for when you turn on the projector **Standby**: select the shutter status for when the projector is in standby mode or select **Last Used** to maintain the current shutter status when you turn off the projector
Advanced	See the next table in this topic
Date & Time	Adjusts the projector's time and date settings
Lens Calibration	Displays information about the lens currently in use and lets you start lens calibration

Advanced settings

Setting	Description
Beep	Controls the beep that sounds when you turn the projector on or off
Indicators	Select **Off** to turn off projector lights, except warning lights
Log Save Destination	Select where you want to save projector operation log files
Batch Setup Range	Select which projector menu settings to copy using the batch setup feature; select **All** or select **Limited** to not copy the **EDID** settings or all Network menu settings (except the **Notifications** and **Others** menu settings)
AC Voltage Monitoring	Select **Off** to regularly use the direct shutdown feature; if you select **On** 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

Parent topic: Adjusting the Menu Settings

Related concepts

Using Multiple Projectors

Related tasks

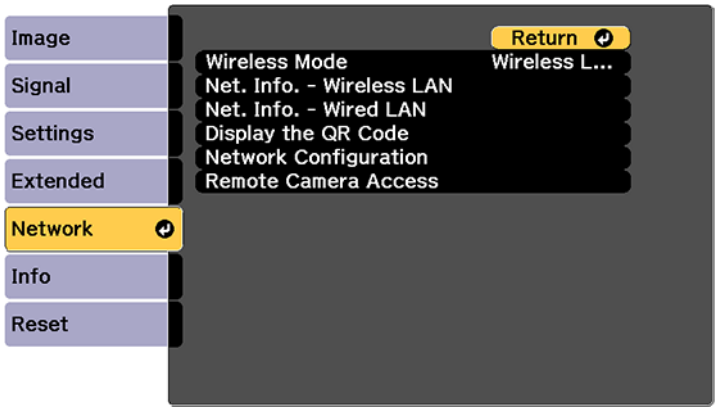
Saving a User's Logo Image to Display
Running Light Source Calibration
Saving a Scheduled Event
Shutting Off the Picture Temporarily
Turning Off the Projector

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.



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

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

Setting	Options	Description
Remote Camera Access	**Remote Camera Access** **Password**	Enables or disables the remote camera and lets you set a password to limit access to changing the remote camera setting or capturing the projected image using Web Control

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.

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

Setting	Options	Description
Light Source Info	**Light Source Hours**	Displays the number of operating hours for each of the projector's **Light Source Mode** settings
	Estimated Remains	If the **Constant Brightness** setting is enabled, displays the remaining number of hours the projector can maintain constant brightness
Version	**Main** **Video2** **Sub** **Sub2** **HDBaseT** **HDBaseT2** **SDI** **Status Monitor** **AC Monitor**	Displays the projector's firmware information
Status Information	—	Displays basic status information
Voltage Warning Info	—	Displays power voltage warning information
Temp Warning Info	—	Displays various high temperature warning information
Power On/Off History	—	Displays the projector's power on and power off history

Event ID Code List

Parent topic: Adjusting the Menu Settings

Event ID Code List

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

Event ID code	Cause and solution
0432	Turn the projector off and then on again.
0435	
0434	Unstable network communication. Check the network communication status, wait a few moments, and try connecting to the network again.
0481	
0482	
0485	
0433	Cannot display the transferred images. Restart the network software.
0484	Communication with computer was disconnected. Restart the network software.
0483 04FE	The network software quit unexpectedly. Check the network communication status, then turn the projector off and then on again.
0479 04FF	A projector system error has occurred. Turn the projector off and then on again.
0891	Cannot find an access point with the same SSID. Set your computer, access point, and projector to the same SSID.
0892	The WPA/WPA2 authentication type does not match. Make sure the wireless network security settings are correct.
0893	The TKIP/AES encryption type does not match. Make sure the wireless network security settings are correct.
0894	Communication with unauthorized access point was disconnected. Contact your network administrator.
0898	Failed to acquire DHCP. Make sure the DHCP server is operating correctly. If you are not using DHCP, turn off the **DHCP** setting in the Network menus.
0899	Communication error. Turn the projector off and then on again.
089A 089B 089C 089D	EAP authentication error. Make sure the wireless network security settings are correct.
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.

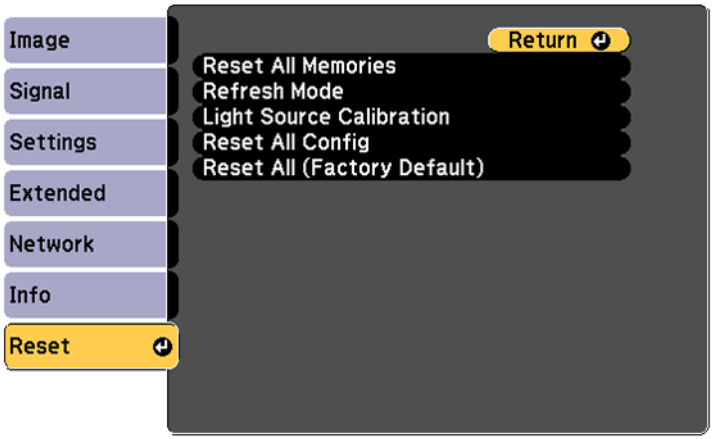
You can also reset the saved names and settings in the Save Memory list using the **Reset All Memories** option.

You can set the default settings for the following settings using the **User Default Setting** option:

- Light Source Mode
- Brightness Level
- Constant Brightness
- A/V Output
- Standby Mode
- Standby Confirmation
- Messages
- Beep
- Sleep Mode
- Shutter Timer
- Shutter Release
- Color Mode
- Wireless Mode
- Wired LAN DHCP

To reset all settings to the selected **User Default Setting**, select the **Reset All (User 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.

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
- Operation Hours

- Light Source Info
- User Default Setting

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

Running Light Source Calibration

Maintaining and Transporting the Projector

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

Projector Maintenance
Transporting the Projector

Projector Maintenance

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

You may need to clean the lens periodically, and clean the air filter and air vents to prevent the projector from overheating due to blocked ventilation.

Epson recommends cleaning the interior of the projector once a year. Otherwise, dust buildup could cause a fire or electrical shock.

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, unplug the power cord, and let it cool down. Never open any cover on the projector, except as specifically explained in this manual. Dangerous electrical voltages in the projector can injure you severely.

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

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

Parent topic: Maintaining and Transporting the Projector

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 a soft, lint-free cloth.
- 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. Use a vacuum cleaner or a hand-held air blower to remove any dust and lint on the lens.

  Caution: Do not use glass cleaner or any harsh materials to clean the lens and do not subject the lens to any impacts; you may damage it. Do not use canned air, or the gases may leave a residue. Avoid touching the lens with your bare hands to prevent fingerprints on or damage to the lens surface.

Parent topic: Projector Maintenance

Cleaning the Projector Case

Before cleaning the projector case, turn off the projector and unplug the power cord.

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

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

Parent topic: Projector Maintenance

Related references
Projector Light Status

Cleaning the Air Filters

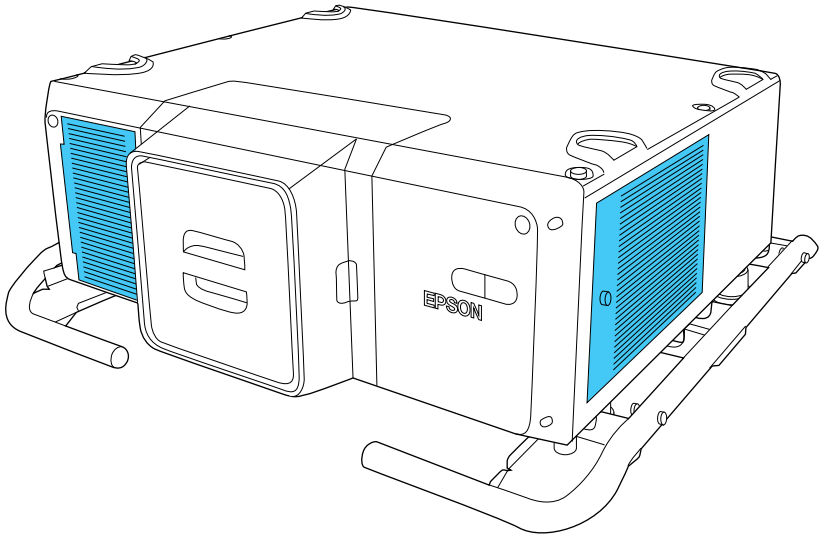
You need to clean the projector's air filters in the following situations:

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

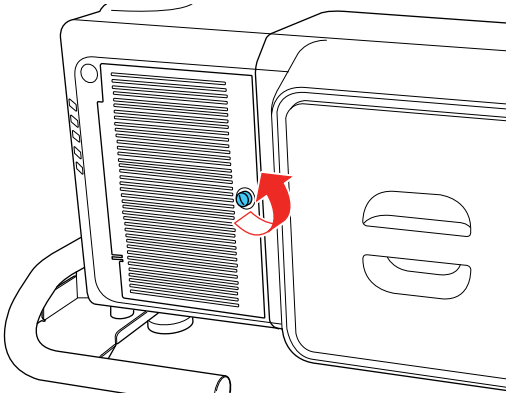
Caution: When using the projector in smoky environments, make sure you replace the air filter after approximately 240 hours of use. (This is a guideline when using the projector in an environment with an atmospheric concentration of ondina oil of approximately 0.000000013%. The air filter replacement time may be shorter depending on the operating environment.) Using the projector in a smoky environment may cause the filter's dust collection function to decline and dust may adhere to the inside of the projector or the power supply; this may cause a malfunction to occur.

Note: If the projector is installed with an air filter facing the ceiling, you will need to clean the air filters more frequently. If you see a message to clean the air filter even though you have cleaned it frequently, replace the air filter.

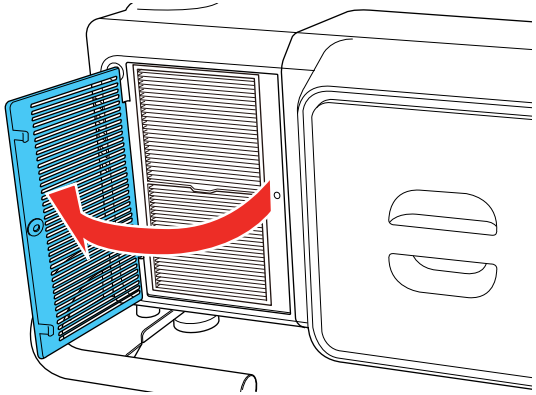
Note: The projector has one air filter on the front and two on the sides. The illustrations here show cleaning the air filter on the front, but the steps are the same to clean the filters on the side.



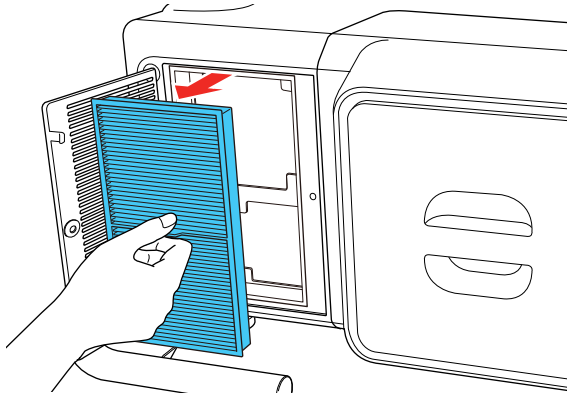
1. Turn off the projector, wait for the projector to beep, and unplug the power cord.
2. Loosen the screw securing the air filter cover.



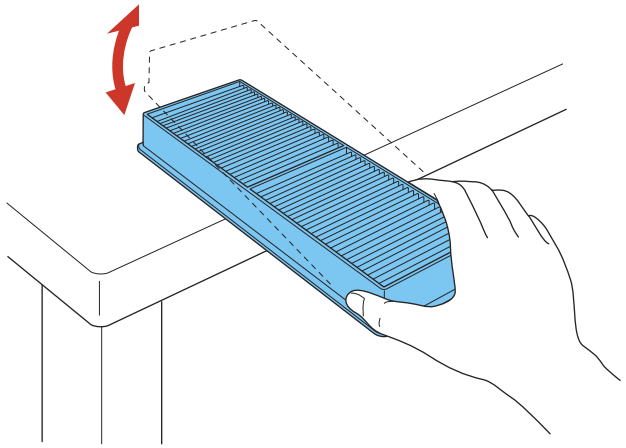
3. Open the air filter cover.



4. Pull the air filter out of the projector.

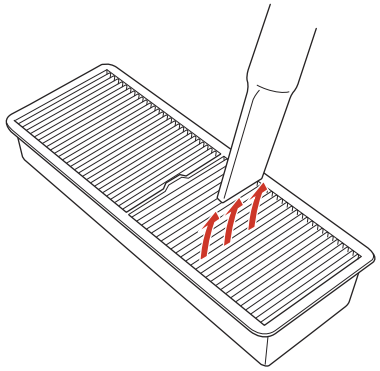


5. Tap each side of the air filter 4 to 5 times to shake off any excess dust.



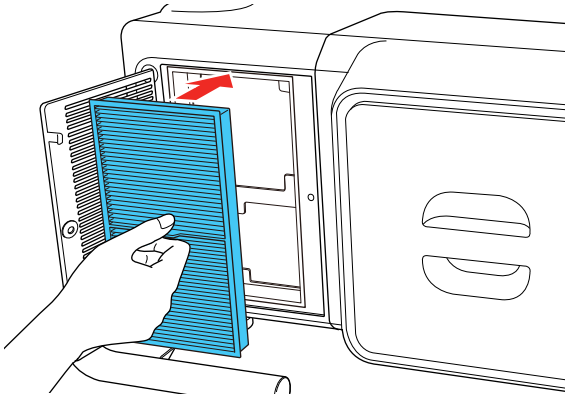
Caution: Do not use excessive force when tapping the air filter, or it may crack and become unusable. Do not rinse the air filter in water, or use any detergent or solvent to clean it. Do not use canned air; the gases may leave a residue, or push dust and debris into the projector's optics or other sensitive areas.

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

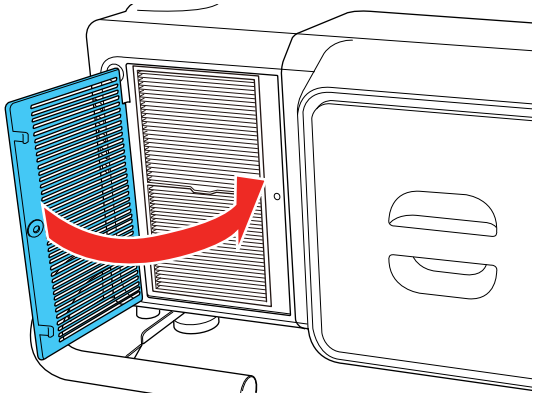


Note: If dust is difficult to remove or the air filter is damaged, replace the air filter.

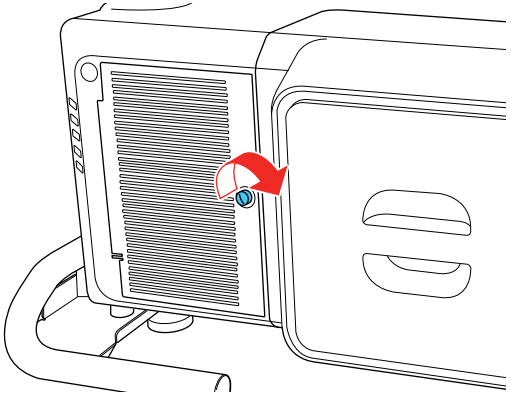
7. Place the air filter back in the projector as shown and push gently until it clicks into place.



8. Close the air filter cover.

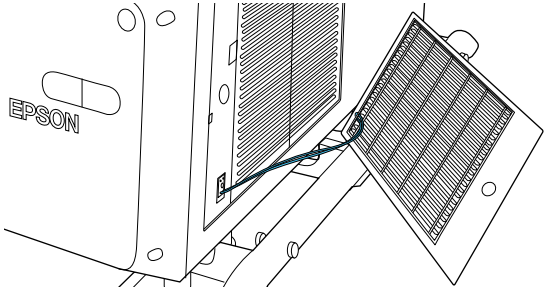


9. Tighten the screw to secure the air filter cover.



10. Repeat these steps to clean the other air filters.

Note: The air filter cover on the side of the projector is attached to a cord to prevent it from falling.



Parent topic: Air Filter and Vent Maintenance

Related references

Projector Light Status

Projector Setup Settings - Extended Menu

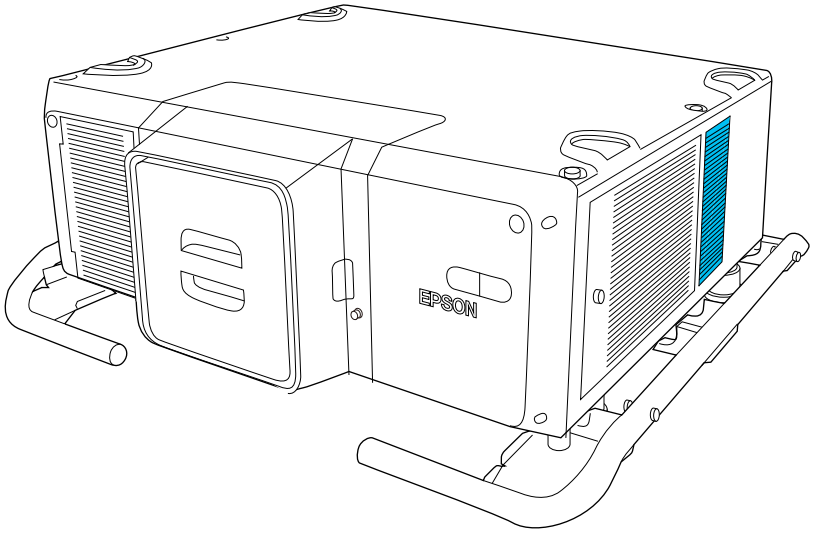
Related tasks

Replacing the Air Filters

Cleaning the Air Vents

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

1. Turn off the projector, wait for the projector to beep, and unplug the power cord.
2. Carefully remove the dust using a vacuum cleaner or a brush.



Caution: Do not use canned air. The gases may leave a flammable residue or push dust and debris into the projector's optics or other sensitive areas.

Parent topic: Air Filter and Vent Maintenance

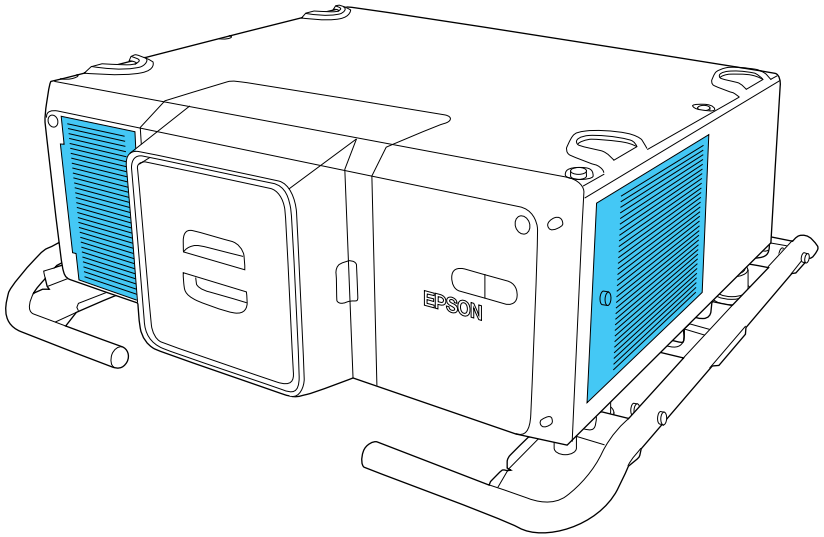
Replacing the Air Filters

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

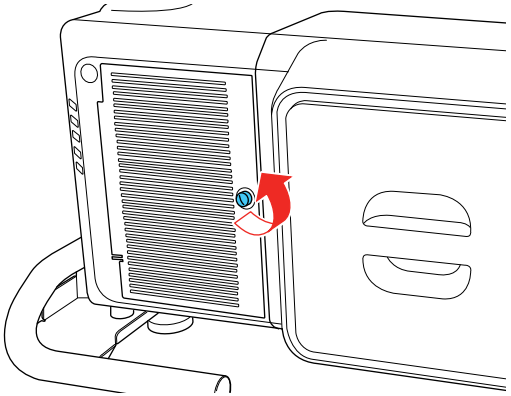
- After cleaning an air filter, you see a message telling you to clean or replace it.
- An air filter is torn or damaged.

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

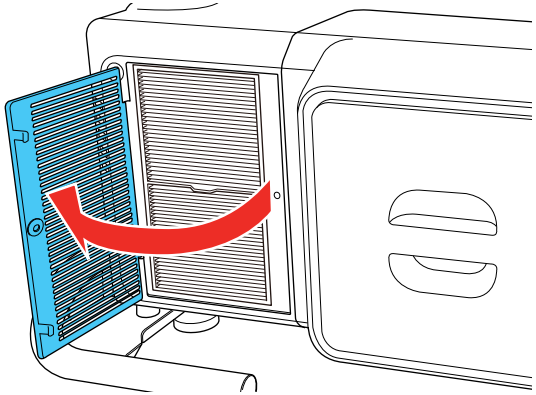
Note: The projector has one air filter on the front and two on the sides. The illustrations here show replacing the air filter on the front, but the steps are the same to replace the filters on the side.



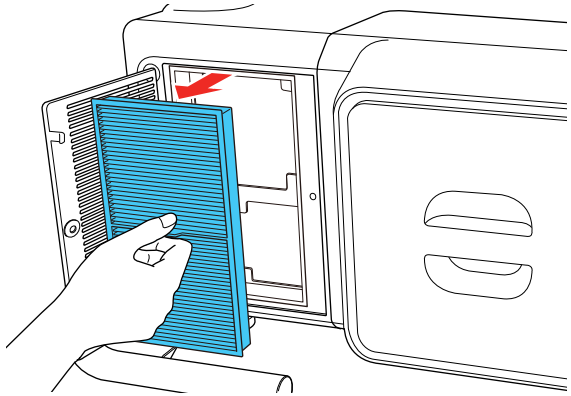
1. Turn off the projector, wait for the projector to beep, and unplug the power cord.
2. Loosen the screw securing the air filter cover.



3. Open the air filter cover.

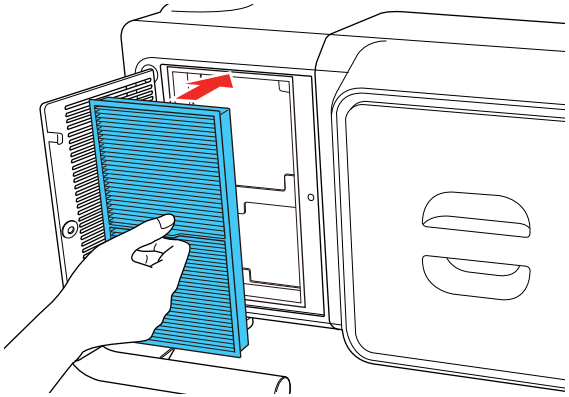


4. Pull the air filter out of the projector.

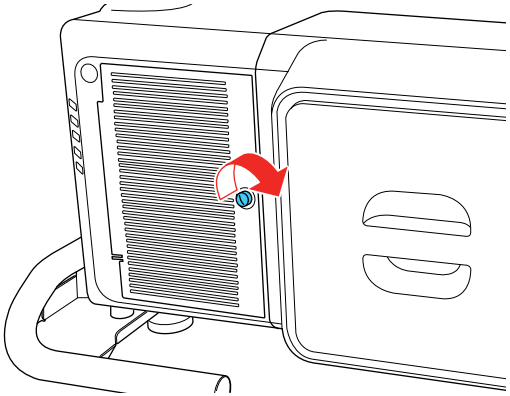


Note: Air filters contain polypropylene. Dispose of used air filters according to local regulations.

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

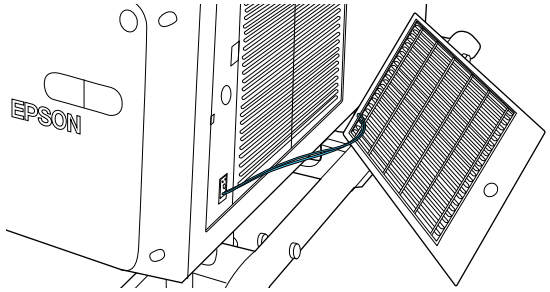


6. Close the air filter cover.
7. Tighten the screw securing the air filter cover.



8. Repeat these steps to replace the other air filters.

Note: The air filter cover on the side of the projector is attached to a cord to prevent it from falling.



Parent topic: Air Filter and Vent Maintenance

Related references

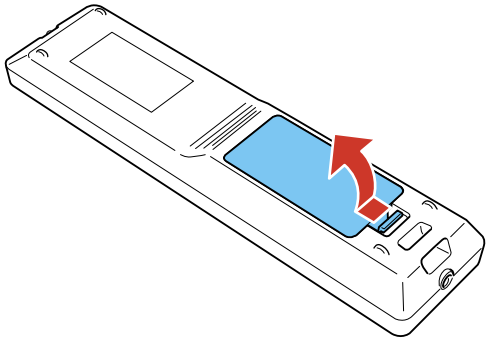
Projector Setup Settings - Extended Menu

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.

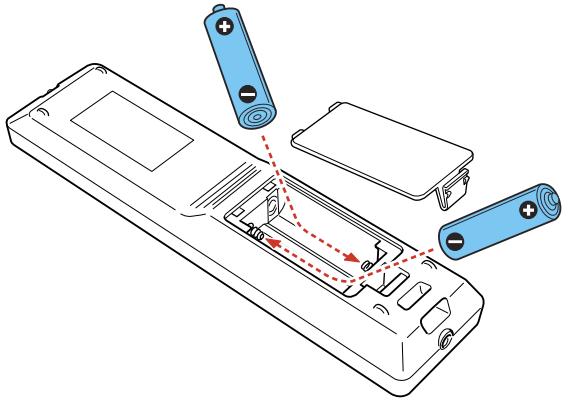
1. Remove the battery cover as shown.



2. Remove the old batteries.

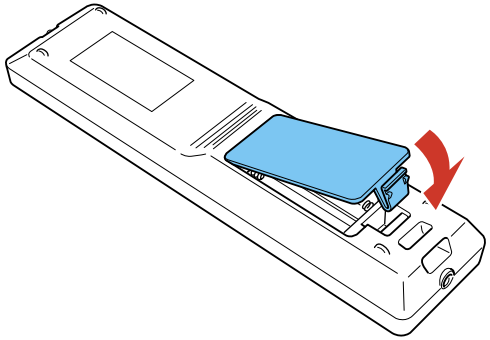
   Warning: If the battery fluid has leaked, wipe it away with a soft cloth and avoid getting the fluid on your hands. If it gets on your hands, wash them immediately to avoid injury.

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



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

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



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

Parent topic: Projector Maintenance

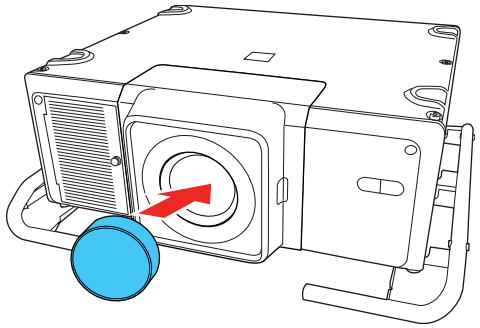
Transporting the Projector

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

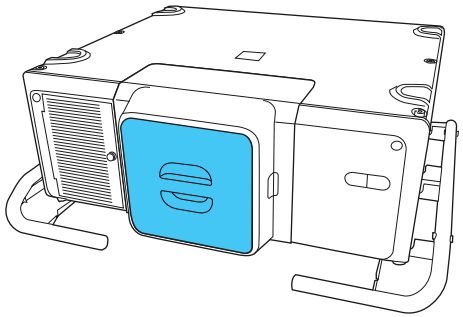
Caution: Use four or more people to unpack or lift the projector. Hold the carrying handles to lift the projector.

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.

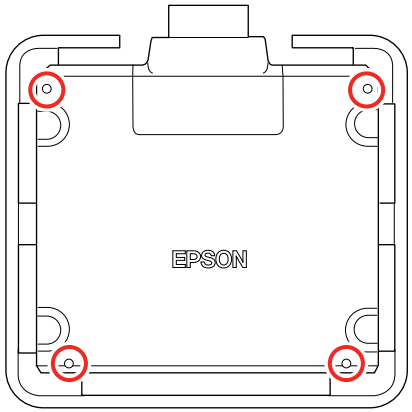
1. Turn the projector off, wait for it to beep, and remove any equipment connected to the projector.
2. Do one of the following:
   - If you are moving the projector a short distance, attach the lens cap to the lens unit.



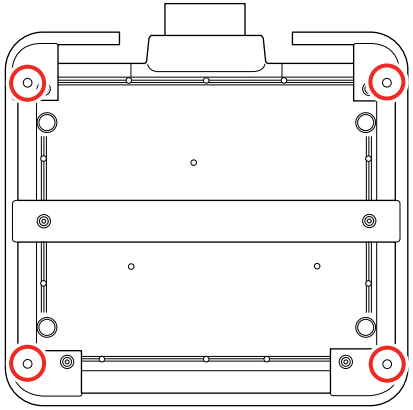
- If you are packing the projector to transport it a long distance, remove the lens unit and attach the cap for the lens cover.



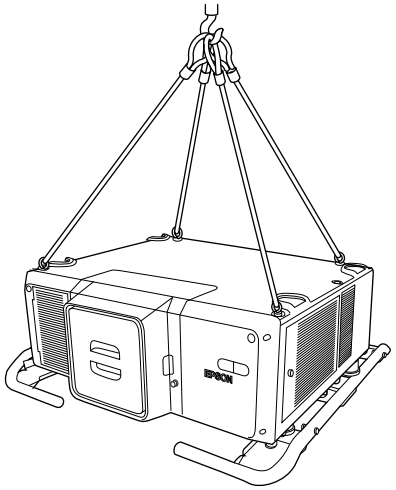
3. To lift or lower the projector, install four commercially available eye bolt screws to the screw thread holes in each corner of the projector or to the handle. Attach straps or chains to the screws and make sure the angle of the strap is 60 degrees or more when lifting or lowering the projector.
   - If you are attaching the eye bolts to the projector, use four commercially available M8 eye bolts (shank length 0.4 to 0.6 inches [11 to 16 mm]) and attach them to the four screw holes for eye bolts.

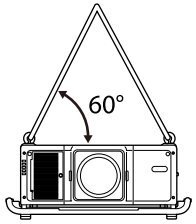


- If you are attaching the eye bolts to the handle, use four commercially available M10 eye bolts (shank length 0.4 inches [11 mm] or more) and attach them to the four screw holes for eye bolts.



Caution: Do not lift the projector with the front, back, or side of the projector facing up.





Caution: Do not use the eye bolt screws for permanent installation as this can cause damage.

Caution: When using a forklift to lift the projector, do not insert the forks from the front of the projector (the side with the lens), as this could damage the lens unit or the projector. Insert the forks from the rear or side of the projector.

4. Enclose the projector securely in packaging material to protect it from shock, and place it into a strong container. Be sure to notify the carrier company that it is precision equipment and that it needs to be kept horizontally during transportation.

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 (U.S. and Canada)

Projection Problem Tips

If the projector is not working properly, try turning it off and unplugging it. Then plug it back in and turn it on.

If this does not solve the problem, check the following:

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

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

Parent topic: Solving Problems

Related references

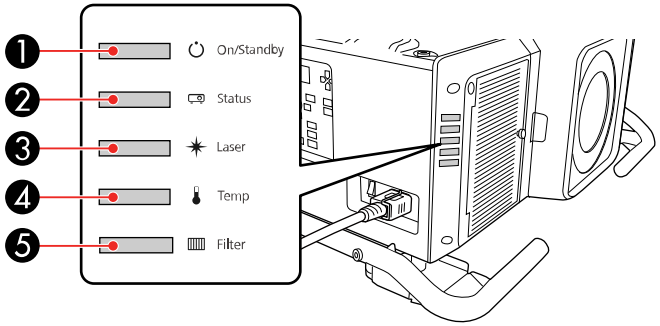
Projector Light Status
Where to Get Help (U.S. and Canada)

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.



1 On/Standby light

2 Status light

3 Laser light

4 Temp (temperature) light

5 Filter light

On/Standby (power) light	Status light	Laser light	Temp light	Filter light	Status and solution
Blue	Off	Off	Off	Off	Projector is in standby mode or network monitoring and control is in progress.
Blue	Flashing blue	Varies	Off	Off	Warming up. Wait for an image to appear.
Blue	Blue	Varies	Off	Off	Normal operation.
Blue	Flashing blue	Off	Off	Off	Cooling down. All buttons are disabled.

On/Standby (power) light	Status light	Laser light	Temp light	Filter light	Status and solution
Flashing blue	Off	Off	Off	Off	Preparing network monitoring. (Wait for the light to remain orange before unplugging the projector.)
Blue	Blue	Flashing blue	Off	Off	The shutter feature is enabled.
Varies	Flashing blue	Flashing orange	Varies	Varies	Refresh mode is enabled
Off	Flashing blue	Flashing orange	Off	Off	Internal error. Turn off the projector, unplug the power cord, and contact Epson for help.
Off	Flashing blue	Off	Flashing orange	Off	A fan or sensor has a problem. Turn off the projector, unplug the power cord, and contact Epson for help.
Off	Flashing blue	Off	Orange	Off	Projector is too hot. • Make sure that the vents and air filter are not clogged with dust or obstructed by nearby objects. • Clean or replace the air filter. • Make sure the environmental temperature is not too hot. • 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	The laser has a problem. Turn off the projector, unplug the power cord, and contact Epson for help.

On/Standby (power) light	Status light	Laser light	Temp light	Filter light	Status and solution
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.
Off	Flashing blue	Orange	Orange	Off	Lens Shift error. Turn off the projector, unplug the power cord, and contact Epson for help.
Off	Flashing blue	Orange	Orange	Off	Lens error or no lens. Install the lens unit. If the lens unit is already installed, remove it and then reinstall it. If the problem persists, unplug the projector and contact Epson for help.
Off	Flashing blue	Flashing orange	Flashing orange	Off	Shutter error. Turn off the projector, unplug the power cord, and contact Epson for help.
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. • Clean or replace the air filter.
Varies	Varies	Varies	Varies	Flashing orange	Clean the air filter.
Flashing blue	Varies	Flashing orange	Varies	Varies	The laser has a problem. Turn off the projector, unplug the power cord, and contact Epson for help.

On/Standby (power) light	Status light	Laser light	Temp light	Filter light	Status and solution
Flashing blue	Varies	Flashing orange	Varies	Varies	An unsupported lens is attached. Attach only a supported lens.
Flashing blue	Varies	Flashing orange	Varies	Varies	Power warning. The power voltage was not measured correctly, so the brightness of the light source has been dimmed. Contact Epson for help.
Flashing blue	Varies	Flashing orange	Flashing orange	Varies	Shutter warning. After the warning is displayed, an error occurs and projection stops. Turn off the projector, unplug the power cord, and contact Epson for help.
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	The **Constant Brightness** setting has expired.

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 (U.S. and Canada)

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.

To view the LCD when the projector is in standby mode, set the **Standby Mode** setting to **Communication On**.

Projector Status Display Messages

Parent topic: Solving Problems

Related references

Projector Information Display - Info Menu

Projector Status Display Messages

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

Status Information category

Information	Description
System	See the System status information table at the end of this topic
Last Warn/Err	Displays the most recent warnings and errors displayed by the projector
Source	Displays the source currently being used
On-Screen Display	Displays the settings for on-screen displays. When turned off, menus or messages are not displayed on the projected images
Shutter	Displays the shutter status
Shutter Startup	Displays the shutter **Startup** settings
Shutter Standby	Displays the shutter **Standby** settings
Intake Air Temp	Displays the air intake temperature
Internal Temp Lv	Displays the projector's internal temperature
AC Voltage	Displays warnings and errors that have occurred when the **AC Voltage Monitoring** setting is turned on
Laser Status	Displays the operating status of the light source

Source category

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

Signal Information category

Information	Description
5V Detect	Displays the detection results of 5V signals
TMDS Clock	Displays the TMDS frequency of the current input signal
H-Frequency	Displays the horizontal frequency of the current input signal
V-Frequency	Displays the vertical frequency of the current input signal
DetChg 5CFHMP123	Displays the factors of signal changes
Stable Time	Displays the amount of operating time since the input source was determined
HDCP Status	Displays the HDCP status

Information	Description
HDCP Ri	Displays the HDCP type
HDCP AKSV	
HDCP An	
HDCP Ver	Displays the HDCP version
AVI VIC	Displays the VIC information (AVI) of the current input signal
AVI Checksum	Displays the checksum result for AVI
AVI Sampling Str	Displays the color sampling for AVI
Signal Mode	Displays the signal mode
Color Space	Displays the color space conversion method
HDR Mode	Displays the HDR mode
EDID Mode	Displays the EDID mode
HDBaseT Level	Displays the image signal from the HDBaseT port
SDI Link Mode	Displays the linking type for SDI
Sync Detect	Displays the results of signal detection for each SDI port
PayloadID Detect	Displays the results of SDI payload ID detection
Resolution	Displays the resolution
Refresh Rate	Displays the refresh rate for SDI
Color Sampling	Displays the color sampling
Pixel Depth	Displays the color depth for SDI
SDI Type	Displays the type for SDI
Division Type	Displays the split transmission method for SDI
3G Mapping Level	Displays the mapping level for 3G-SDI

Network Wired category

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

Network Wireless category

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

Maintenance category

Information	Description
Operation Time	Displays the projector's total operation time

Information	Description
Laser Op. Time	Displays the laser operating time for each Light Source Mode setting

Version category

Information	Description
Serial No.	Displays the projector's serial number
Main	Display the projector's firmware version information
Video2	
Sub	
Sub2	
HDBaseT	
Status Monitor	

System status information

Status	Description
OK	The projector is in normal operating mode
Warm-up	The projector is warming up
Standby	The projector is in standby mode
Cool Down	The projector is cooling down
Temp Error	A high temperature error occurred
Fan Error	A fan error occurred
Sensor Error	A sensor error occurred
Internal Error	An internal error occurred
Airflow Error	A filter airflow error occurred
Shutter Error	A shutter error occurred
Pump Error	A pump error occurred
Temp Warning	A high temperature warning occurred

Status	Description
Internal Warning	A warning regarding the internal system occurred
Shutter Warning	A shutter warning occurred
Airflow Decline	A low airflow error occurred
Clean Filter	An air filter notice occurred; clean the air filter
Lens Shift Err	A lens shift error has occurred
Lens Error	A lens error has occurred
Power Error	A supply voltage error has occurred
Laser Error	A laser error has occurred
Retardation Err	
Laser Warning	A laser warning has occurred
Temp Error FE	A laser error has occurred because the laser temperature is too high
Temp Warning FE	A laser warning has occurred because the laser temperature is too high

Parent topic: Viewing 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
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
Solutions When an Afterimage Remains On the Projected Image

Parent topic: Solving Problems

Solutions When No Image Appears

If no image appears, try the following solutions:

- 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.
- 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 computer, make sure it is set up to display on an external monitor. If the computer's display is set to an extended or mirrored mode, try changing it to external output only.

- The projector may not be able to project copyrighted videos that you play back on a computer. For details, see the manual supplied with your computer.
- If 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.
- 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 computer's display resolution does not exceed the projector's resolution and frequency limit. If necessary, select a different display resolution for your computer. (See your computer manual for details.)

Parent topic: Solving Image 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:

- For VGA connections, press the **Auto** button on the remote control to optimize the image signal.
- Make sure you selected the correct **Screen Type** setting for the screen you are using.
- Make sure the **Scale** setting in the Signal menu is turned off.
- Make sure the **Resolution** setting in the Signal menu is set correctly for the input signal.
- Try adjusting the image position using the **Position** setting in the Signal menu.
- Press the **Aspect** button on the remote control to select a different image aspect ratio.
- Check the **Blanking** setting in the Signal menu.
- Check your computer display settings to disable dual display and set the resolution within the projector's limits. (See your computer manual for details.)
- Check the resolution assigned to your presentation files to see if they are created for a different resolution than you are projecting in. (See your software help for details.)

Parent topic: Solving Image 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.

Parent topic: Solving Image Problems

Related references

Projector Feature Settings - Settings Menu

Solutions When the Image Contains Noise or Static

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

- Check the cables connecting your computer or video source to the projector. They should be:
  - Separated from the power cord to prevent interference
  - Securely connected at both ends
  - Not connected to an extension cable
- If available for your video source, select **Auto** as the Resolution setting in the Signal menu.
- Select a computer video resolution and refresh rate that are compatible with the projector.
- If you are projecting from a computer, press the **Auto** button on the remote control to automatically adjust the tracking and sync. If the problem remains, display a uniformly patterned image on the screen and manually adjust the **Tracking** and **Sync** settings.
- 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. Make sure the projector has been on for at least 20 minutes before adjusting the 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.
- Adjust the **Sharpness** setting to improve image quality.
- 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 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:

- 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.

Parent topic: Solving Image Problems

Related references

Input Signal Settings - Signal Menu
Image Quality Settings - Image Menu
Projector Feature Settings - Settings Menu
Projector Reset Options - Reset Menu

Related tasks

Changing the Color Mode
Running Light Source Calibration

Solutions When Automatic Adjustments are not Applied Correctly

If you have problems with automatic adjustments not being applied correctly, try the following solutions:

- Be sure to wait at least 20 minutes after turning on the projector 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. Automatic adjustment is not available for the following lenses: ELPLR05, ELPLL09, ELPLL10.
- 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

Related references

Projector Parts - Front/Top
Projector Parts - Side/Rear
Additional Projector Software and Manuals
Optional Equipment and Replacement Parts
Projector Feature Settings - Settings Menu
Where to Get Help (U.S. and Canada)

Related tasks

Shutting Off the Picture Temporarily
Cleaning the Projector Case
Running Light Source Calibration
Blending the Image Edges

Related topics

Matching Tint and Brightness (Screen Matching)

Solutions When an Afterimage Remains On the Projected Image

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

Parent topic: Solving Image Problems

Related references

Projector Reset Options - Reset Menu

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 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 you have set the remote control to operating only a projector with a matching ID, set the **ID** switch to **Off**.
- The power cord may be defective. Try another power cord. If that doesn't work, disconnect the cord and contact Epson.

Parent topic: Solving Projector or Remote Control Operation Problems

Related references

Projector Setup Settings - Extended Menu
Where to Get Help (U.S. and Canada)

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.
- 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 Epson parts distributor.

Parent topic: Solving Projector or Remote Control Operation Problems

Related references

Projector Parts - Interface Ports
Remote Control Operation
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 lose the remote control, you cannot enter a password. Order a new one from Epson.
- If you have entered an incorrect password too many times and see a message displaying a request code, write down the code and contact Epson. Do not attempt to enter the password again. Provide the request code and proof of ownership for assistance in unlocking the projector.

- If you set a Epson Web Control password and forgot the user ID or password, try entering the following:
  - User ID: **EPSONWEB**
  - Default password: **admin**
- If you set a Remote password (in Epson Web Control) and forgot the user ID or password, try entering the following:
  - User ID: **EPSONREMOTE**
  - Default password: **guest**

Parent topic: Solving Projector or Remote Control Operation Problems

Related concepts

Password Security Types

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.
- Make sure you are using the correct Epson wireless LAN module.

Parent topic: Solving Network Problems

Related references

Projector Setup Settings - Extended Menu

Projector Network and Camera Settings - Network Menu

Event ID Code List

Related tasks

Selecting Wireless Network Settings Manually

Setting Up Wireless Network Security

Solutions When You Cannot Access the Projector Through the Web

If you are unable to access the projector through a web browser, make sure you are using the correct ID and password, which are case sensitive.

- For the user ID, enter **EPSONWEB**. (You cannot change the user ID.)
- For the password, enter the password set in the projector's Network menu. The default password is **admin**.
- Make sure you have access to the network the projector is on.
- Make sure you enter the projector's IP address in the web browser address bar.
- If your Web browser is set up to connect via a proxy server, the **Epson Web Control** screen cannot be displayed. Make settings for a connection without using a proxy server.
- If you 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.

Parent topic: Solving Network Problems

Related concepts

Password Security Types

Related references

Art-Net Channel Definitions

Related tasks

Controlling a Networked Projector Using a Web Browser

Solutions When the Image Contains Static During Network Projection

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

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

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 your electrical outlet or power source is functioning properly.
- 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 (U.S. and Canada)

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

Internet Support

Visit Epson's support website at epson.com/support (U.S.), epson.ca/support (Canada), or latin.epson.com/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
Supported Video Display Formats

General Projector Specifications

Type of display	Poly-silicon TFT active matrix
Resolution	1920 × 1200 pixels (WUXGA)
Lens	F=1.9 to 2.1
	Focal length: 54.7 to 73.0 mm
Color reproduction	Up to 1.07 billion colors
Brightness	Normal Power Consumption mode:
	White light output 30000 lumens (ISO 21118 standard)
	Color light output 30000 lumens
	Quiet/Extended Power Consumption mode:
	White light output 21000 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), 3500:1 (native)

Image size (in native aspect ratio)	100 inches (2.54 m) to 1000 inches (25.4 m)
Projection distance (in native aspect ratio)	144.9 inches (3.68 m) to 2009.1 inches (51.03 m)
Projection methods	360° free
Optical aspect ratio (width-to-height)	16:10
Focus adjustment	Powered
Zoom adjustment	Powered
Zoom ratio (Tele-to-Wide)	1:1.35
Noise level	49 dB (Normal Power Consumption mode) 41 dB (Quiet Power Consumption mode)
Keystone correction angle	Vertical: ± 15° to 65°, depending on the lens type Horizontal: ± 5° to 30°, depending on the lens type
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 optional Wireless LAN module

Parent topic: Technical Specifications

Projector Light Source Specifications

Type	Laser diode bank
Light source output power	Up to 812 W
Wavelength	450 to 460 nm

Light source life (approximate)	Normal/Quiet Light Source Mode: Up to about 20000 hours Extended Light Source Mode: Up to about 30000 hours

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

Parent topic: Technical Specifications

Remote Control Specifications

Reception range	98.4 feet (30 m)
Batteries	Two alkaline or manganese AA

Parent topic: Technical Specifications

Projector Dimension Specifications

Note: These specifications exclude the projector's feet, projection lens, and carrying handles.

Height	11.8 inches (299 mm)
Width	31.2 inches (790 mm)
Depth	28 inches (710 mm)
Weight (approximate)	**Pro L30000UNL**: 141.5 lb (64.2 kg) **Pro L30002UNL**: 140.7 lb (63.8 kg)

Parent topic: Technical Specifications

Projector Electrical Specifications

Rated frequency	50/60 Hz

Power supply	**100 to 120 V AC ±10%** : 9.2 A **200 to 240 V AC ±10%** : 12.0 A **Note:** 110 to 120 V AC power is for service purposes; use 220 to 240 V AC power for normal operation.
Power consumption (110 to 120 V)	Operating: Normal Power Consumption mode: 895 W Standby: 0.5 W (Communication Off), 2.5 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 (220 to 240 V)	Operating: Normal Power Consumption mode: 2325 W Standby: 0.5 W (Communication Off), 2.5 W (Communication On)

Parent topic: Technical Specifications

Projector Environmental Specifications

Temperature	Operating: Up to 7500 feet (2286 m): 32 to 122 °F (0 to 50 °C) From 7500 to 10000 feet (2286 to 3048 m): 32 to 113 °F (0 to 45 °C) Storage: 14 to 140 °F (–10 to 60 °C) **Note:** If the temperature is too high (approximately 113 °F [45 °C] up to 7500 feet [2286 m] or 95 °F [35 °C] above 7500 feet [2286 m]), the brightness of the light source may dim gradually depending on the surroundings and other factors. If the maximum temperature is exceeded, the projector may turn off automatically.

Humidity (relative, non-condensing)	Operating: 20 to 80% Storage: 10 to 90%
Operating altitude	Up to 4921 feet (1500 m) Up to 10000 feet (3048 m) with High Altitude Mode enabled

Parent topic: Technical Specifications

Related references

Projector Setup Settings - Extended Menu

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)

Parent topic: Technical Specifications

Supported Video Display Formats

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

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

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

Display format	Refresh rate (in Hz)	Resolution (in pixels)
Computer signals (analog RGB)		
VGA	60/72/75/85	640 × 480
SVGA	60/72/75/85	800 × 600
XGA	60/70/75/85	1024 × 768

Display format	Refresh rate (in Hz)	Resolution (in pixels)
WXGA	60	1280 × 768
	60/75/85	1280 × 800
	60	1366 × 768
WXGA+	60/75/85	1440 × 900
WXGA++	60	1600 × 900
SXGA	70/75/85	1152 × 864
	60/75/85	1280 × 960
	60/75/85	1280 × 1024
SXGA+	60/75	1400 × 1050
WSXGA+[1]	60	1680 × 1050
UXGA	60	1600 × 1200
1920 × 1080	50/60	1920 × 1080
WUXGA[2]	60	1920 × 1200
SDTV (480p)	59.94	720 × 480
SDTV (576p)	50	720 × 576
HDTV (720p)	50/59.94/60	1280 × 720
HDTV (1080p)	50/59.94/60	1920 × 1080
Component video		
SDTV (480i/480p)	59.94	720 × 480
SDTV (576i/576p)	50	720 × 576
HDTV (720p)	50/59.94/60	1280 × 720
HDTV (1080i)	50/59.94/60	1920 × 1080
DVI-D, HDMI, and HDBaseT input signals		
VGA	60	640 × 480
SVGA	60	800 × 600
XGA	60	1024 × 768

Display format	Refresh rate (in Hz)	Resolution (in pixels)
WXGA	60	1280 × 800
	60	1366 × 768
WXGA+	60	1440 × 900
WXGA++	60	1600 × 900
WSXGA+	60	1680 × 1050
SXGA	60	1280 × 960
	60	1280 × 1024
SXGA+	60	1400 × 1050
UXGA	60	1600 × 1200
1920 × 1080	50/60	1920 × 1080
WUXGA[2]	60	1920 × 1200
QXGA[3]	60	2048 × 1536
WQHD[3]	60	2560 × 1440
WQXGA[2, 3]	60	2560 × 1600
SDTV (480i/480p)	59.94	720 × 480
SDTV (576i/576p)	50	720 × 576
HDTV (720p)	50/59.94/60	1280 × 720
HDTV (1080i)	50/59.94/60	1920 × 1080
HDTV (1080p)[3]	23.98/24/29.97/30/50/59.94/60	1920 × 1080
4K×2K[2, 3]	23.98/24/25/29.97/30	3840 × 2160
4K×2K[3]	50/59.94/60	3840 × 2160
4K×2K (SMPTE)[2, 3]	23.98/24	4096 × 2160
4K×2K (SMPTE)[3]	50/59.94/60	4096 × 2160
SDI input signals (all 10 bit)		
SDTV (480i)	59.94 (SD-SDI mode[4])	720 × 480
SDTV (576i)	50 (SD-SDI mode[4])	720 × 576

Display format	Refresh rate (in Hz)	Resolution (in pixels)
HDTV (720p)	50/59.94/60 (HD-SDI mode[4])	1280 × 720
HDTV (1080i)	50/59.94/60 (HD-SDI mode[4])	1920 × 1080
HDTV (1080p)	23.98/24/25/29.97/30 (HD-SDI mode[4])	1920 × 1080
HDTV (1080p)[6]	50/59.94/60 (3G-SDI mode; Level A[4])	1920 × 1080
HDTV (1080p)[6]	23.98/24/25/29.97/30 (3G-SDI mode; Level A[5])	1920 × 1080
HDTV (1080i)	50/59.94/60 (3G-SDI mode; Level A[5])	1920 × 1080

[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 (U.S. and Canada)
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 (U.S. and Canada)

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

Parent topic: Notices

Important Safety Information

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

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

Parent topic: Notices

Important Safety Instructions

Follow these safety instructions 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.
- When installing the projector in an environment in which a high-powered laser beam is being used, make sure it is installed so that the laser beam does not hit the surface of the projector's projection lens or the built-in camera. If the laser beams through the surface of the projection lens or the built-in camera, block the laser beam with non-permeable or incombustible aluminum foil or metal plates such

as iron to protect the projection lens and the built-in camera. You can also use the projector's Shutter function to prevent the LCD panel from being damaged by laser light.

- 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 install the projector in an airtight location.
- 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 7500 feet (2286 m) or less, and 32 to 113 °F (0 to 45 °C) at an altitude of 7500 to 10000 feet (2287 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.
- 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.
- When using the projector in smoky environments, make sure you replace the air filter after approximately 240 hours of use. (This is a guideline when using the projector in an environment with

an atmospheric concentration of ondina oil of approximately 0.000000013%. The air filter replacement time may be shorter depending on the operating environment.)

- 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

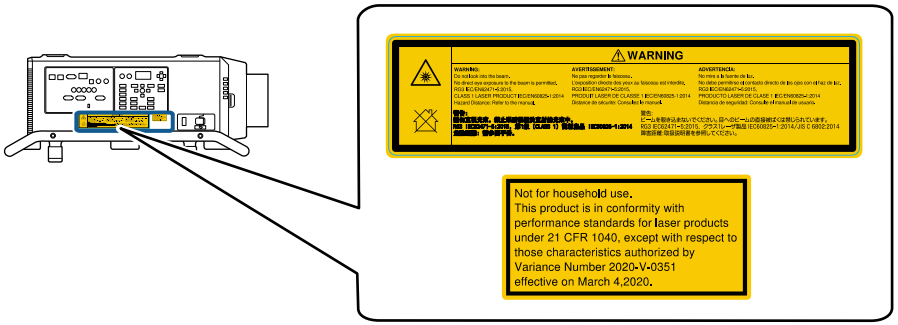
Laser Safety Labels
Hazard Distance (HD)
Typical Setup Configurations (U.S. Only)

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 2020-V-0351 effective on March 4, 2020.

Certification labels (located on side of projector)



Not for household use.
This product is in conformity with performance standards for laser products under 21 CFR 1040, except with respect to those characteristics authorized by Variance Number 2020-V-0351 effective on March 4,2020.

Not for household use.

This product is in conformity with

performance standards for laser products
under 21 CFR 1040, except with respect to
those characteristics authorized by
Variance Number 2020-V-0351
effective on March 4, 2020.



WARNING:

Do not look into the beam.

No direct eye exposure to the beam is permitted.

RG3 IEC/EN62471-5:2015,

CLASS 1 LASER PRODUCT IEC/EN60825-1:2014

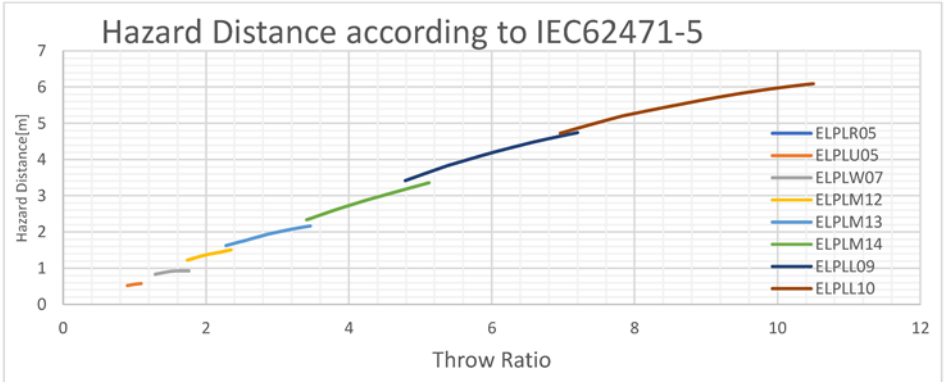
Hazard Distance: Refer to the manual.

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 demonstrates 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.

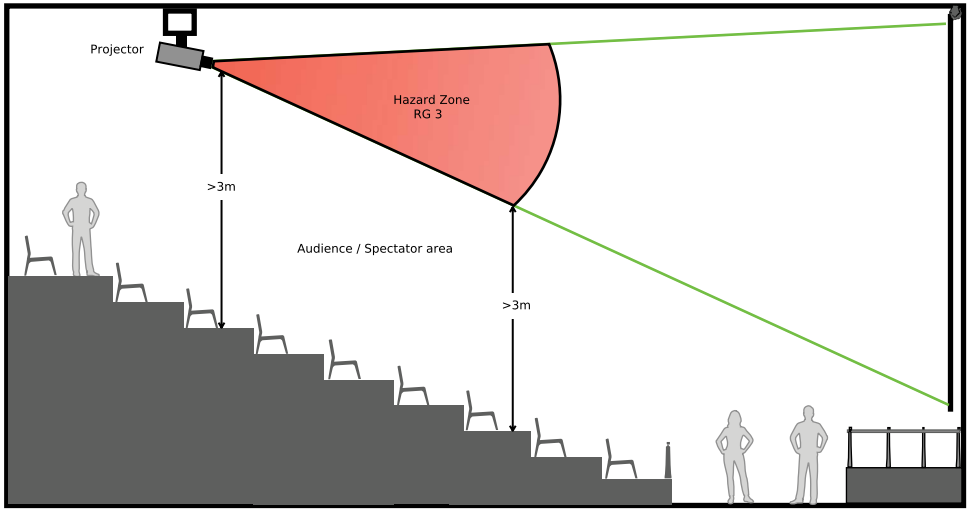
Parent topic: Important Safety Instructions

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.

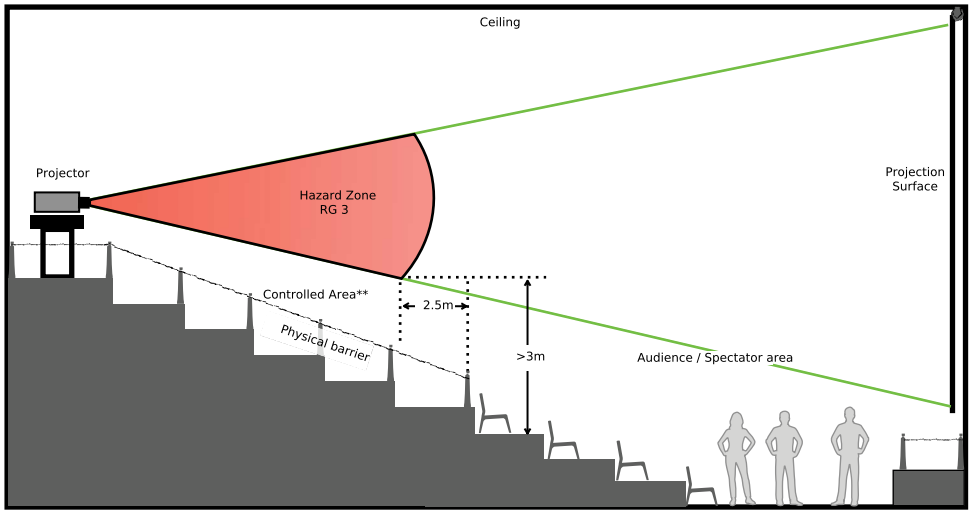


Note: Typical layout concept; not necessarily to scale.

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.

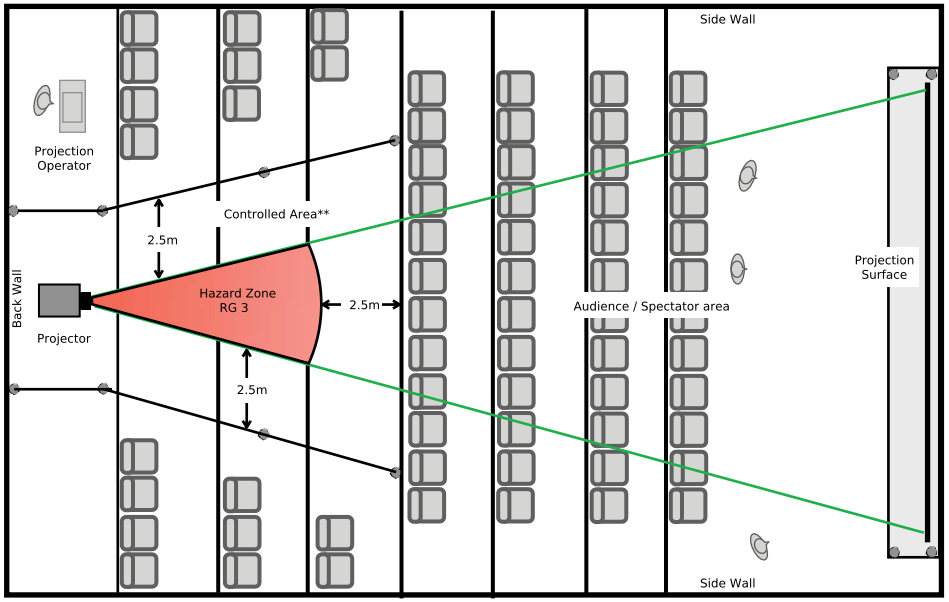


Note: Typical layout concept; not necessarily to scale.

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.

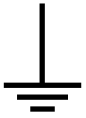
Parent topic: Important Safety Instructions

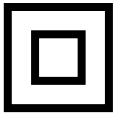
List of Safety Symbols (corresponding to IEC60950-1 A2)

The following table lists the meaning of the safety symbols labeled on the equipment.

No.	Symbol	Approved Standards	Description
1		IEC60417 No.5007	"ON" (power) To indicate connection to the mains.

No.	Symbol	Approved Standards	Description
2		IEC60417 No.5008	"OFF" (power) To indicate disconnection from the mains.
3		IEC60417 No.5009	Stand-by To identify the switch or switch position by means of which part of the equipment is switched on in order to bring it into the stand-by condition.
4		ISO7000 No.0434B IEC3864-B3.1	Caution To identify general caution when using the product.
5		IEC60417 No.5041	Caution, hot surface To indicate that the marked item can be hot and should not be touched without taking care.
6		IEC60417 No.6042 ISO3864-B3.6	Caution, risk of electric shock To identify equipment that has risk of electric shock.
7		IEC60417 No.5957	For indoor use only To identify electrical equipment designed primarily for indoor use.
8		IEC60417 No.5926	Polarity of DC power connector To identify the positive and negative connections (the polarity) on a piece of equipment to which a DC power supply may be connected.

No.	Symbol	Approved Standards	Description
9		—	Same as No. 8
10		IEC60417 No.5001B	Battery, general On battery powered equipment. To identify a device for instance a cover for the battery compartment, or the connector terminals.
11		IEC60417 No.5002	Positioning of cell To identify the battery holder itself and to identify the positioning of the cell(s) inside the battery holder.
12		—	Same as No. 11
13		IEC60417 No.5019	Protective earth To identify any terminal which is intended for connection to an external conductor for protection against electric shock in case of a fault, or the terminal of a protective earth electrode.
14		IEC60417 No.5017	Earth To identify an earth (ground) terminal in cases where neither the symbol No.13 is explicitly required.
15		IEC60417 No.5032	Alternating current To indicate on the rating plate that the equipment is suitable for alternating current only; to identify relevant terminals.

No.	Symbol	Approved Standards	Description
16		IEC60417 No.5031	Direct current To indicate on the rating plate that the equipment is suitable for direct current only; to identify relevant terminals.
17		IEC60417 No.5172	Class II equipment To identify equipment meeting the safety requirements specified for Class II equipment according to IEC 61140.
18		ISO 3864	General prohibition To identify actions or operations that are prohibited.
19		ISO 3864	Contact prohibition To indicate injury that could occur due to touching a specific part of the equipment.
20		—	Never look into the optical lens while the projector is on.
21		—	To indicate that the marked item don’t place anything on projector.
22		ISO3864 IEC60825-1	Caution, laser radiation To indicate the equipment has a laser radiation part.
23		ISO 3864	Disassembly prohibition To indicate a risk of injury, such as electric shock, if the equipment is disassembled.

No.	Symbol	Approved Standards	Description
24		IEC60417 No. 5266	Standby, partial standby To indicate that part of the equipment is in the ready status.
25		ISO3864 IEC60417 No. 5057	Caution, movable parts To indicate that you must keep away from movable parts according to protection standards.
26		IEC60417-6056	Caution (Moving Fan Blades) To indicate that you must keep away from moving fan blades.
27		IEC60417-6043	Caution (Sharp Corners) To indicate that you must not touch sharp corners.
28		—	To indicate that looking into the lens while projecting is prohibited.
29		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		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

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

Telephone: 81-266-52-3131

Importer

Name: Epson America, Inc.

Address: 3131 Katella Avenue, Los Alamitos 90720 U.S.A.

Telephone: (562) 981-3840

Parent topic: Notices

FCC Compliance Statement

For United States Users

This equipment has been tested and found to comply with the limits for a Class 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)

Parent topic: Notices

Binding Arbitration and Class Waiver

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

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

also agree, notwithstanding Section 1.6,that a court, not an arbitrator, may decide if a claim or cause of action is for an IP Claim.

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

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

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

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

1.6 **Arbitration Procedure**. If you or Epson commences arbitration, the arbitration shall be governed by the rules of JAMS that are in effect when the arbitration is filed, excluding any rules that permit arbitration on a class or representative basis (the "JAMS Rules"), available at http://www.jamsadr.com or by calling

1-800-352-5267 (U.S. or Canada), or https://www.jamsadr.com/about/ or by calling +1-949-224-1810 (Latin America), and under the rules set forth in this Agreement. All Disputes shall be resolved by a single neutral arbitrator, and both parties shall have a reasonable opportunity to participate in the selection of the arbitrator. The arbitrator is bound by the terms of this Agreement. The arbitrator, and not any federal, state or local court or agency, shall have exclusive authority to resolve all disputes arising out of or relating to the interpretation, applicability, enforceability or formation of this Agreement, including any claim that all or any part of this Agreement is void or voidable. Notwithstanding this broad delegation of authority to the arbitrator, a court may determine the limited question of whether a claim or cause of action is for an IP Claim, which is excluded from the definition of "Disputes" in Section 1.1 above. The arbitrator shall be empowered to grant whatever relief would be available in a court under law or in equity. The arbitrator may award you the same damages as a court could, and may award declaratory or injunctive relief only in favor of the individual party seeking relief and only to the extent necessary to provide relief warranted by that party's individual claim. In some instances, the costs of arbitration can exceed the costs of litigation and the right to discovery may be more limited in arbitration than in court. The arbitrator's award is binding and may be entered as a judgment in any court of competent jurisdiction.

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

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

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

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

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

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

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

d) Award in Your Favor. For Disputes in which you or Epson seeks $75,000 or less in damages exclusive of attorney's fees and costs, if the arbitrator's decision results in an award to you in an amount greater than Epson's last written offer, if any, to settle the Dispute, Epson will: (i) pay you $1,000 or the amount

of the award, whichever is greater; (ii) pay you twice the amount of your reasonable attorney's fees, if any; and (iii) reimburse you for any expenses (including expert witness fees and costs) that your attorney reasonably accrues for investigating, preparing, and pursuing the Dispute in arbitration. Except as agreed upon by you and Epson in writing, the arbitrator shall determine the amount of fees, costs, and expenses to be paid by Epson pursuant to this Section 1.6d).

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

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

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

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

Parent topic: Notices

Trademarks

EPSON®, Instant Off®, and Quick Corner® are registered trademarks, EPSON Exceed Your Vision is a registered logomark, and Epson iProjection is a trademark of Seiko Epson Corporation.

PrivateLine® is a registered trademark; SizeWise™ is a trademark; and Extra Care℠ is a service mark of Epson America, Inc.

Windows is a registered trademark of Microsoft Corporation in the United States and/or other countries.

Mac, macOS, and OS X are trademarks of Apple Inc., registered in the U.S. and other countries.

App Store℠ is a service mark of Apple Inc.

Google® is a registered trademark and Android™ , Chromebook™ , Google Play™ , and Google Chrome™ are trademarks of Google LLC.

HDBaseT™ and the HDBaseT Alliance logo are trademarks of the HDBaseT Alliance.

PJLink trademark is a trademark applied for registration or is already registered in Japan, the United States of America and other countries and areas.

Art-Net™ Designed by and Copyright Artistic Licence Holdings Ltd.

Extron and XTP System are trademarks or registered trademarks of RGB Systems, Inc. in the United States and other countries.

Crestron and Crestron Connected are registered trademarks of Crestron Electronics, Inc.

"QR Code" is a registered trademark of DENSO WAVE INCORPORATED.

General Notice: Other product names used herein are for identification purposes only and may be trademarks of their respective owners. Epson disclaims any and all rights in those marks.

EPSON®
EXCEED YOUR VISION

Parent topic: Notices

Copyright Notice

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without the prior written permission of Seiko Epson Corporation. The information contained herein is designed only for use with this Epson product. Epson is not responsible for any use of this information as applied to other products.

Neither Seiko Epson Corporation nor its affiliates shall be liable to the purchaser of this product or third parties for damages, losses, costs, or expenses incurred by purchaser or third parties as a result of: accident, misuse, or abuse of this product or unauthorized modifications, repairs, or alterations to this

product, or (excluding the U.S.) failure to strictly comply with Seiko Epson Corporation's operating and maintenance instructions.

Seiko Epson Corporation shall not be liable for any damages or problems arising from the use of any options or any consumable products other than those designated as Original Epson Products or Epson Approved Products by Seiko Epson Corporation.

This information is subject to change without notice.

A Note Concerning Responsible Use of Copyrighted Materials
Copyright Attribution

Parent topic: Notices

A Note Concerning Responsible Use of Copyrighted Materials

Epson encourages each user to be responsible and respectful of the copyright laws when using any Epson product. While some countries' laws permit limited copying or reuse of copyrighted material in certain circumstances, those circumstances may not be as broad as some people assume. Contact your legal advisor for any questions regarding copyright law.

Parent topic: Copyright Notice

Copyright Attribution

© 2022 Epson America, Inc.

7/22

CPD-59255R2

Parent topic: Copyright Notice