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PROJECTOR OWNER'S MANUAL

Epson
PowerLite Home Cinema 3900

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PowerLite® Home Cinema 3900
User's Guide

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PowerLite Home Cinema 3900 User's Guide

Welcome to the PowerLite Home Cinema 3900 *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
Additional Projector Software and Manuals
Projector Part Locations

Projector Features

The PowerLite Home Cinema 3900 projector includes these special features:

Bright, high-resolution projection system

- Up to 2700 lumens of color brightness (color light output) and 2700 lumens of white brightness (white 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.

- 1080p native resolution
- Images up to 300 inches (7.62 m) for projection on any wall or screen

Full 3D projection

- Active 3D projection with optional RF active shutter glasses
- Supports side-by-side, top-and-bottom, and frame-packing 3D formats

Flexible connectivity

- Two HDMI ports for video device or computer connections
- Support for an optical HDMI connection
- One MHL-compatible HDMI port

Easy-to-use setup and operation features

- Vertical and horizontal lens shift, and vertical keystone correction buttons for flexible projector placement

- 1.6× optical zoom ratio for improved zooming capability

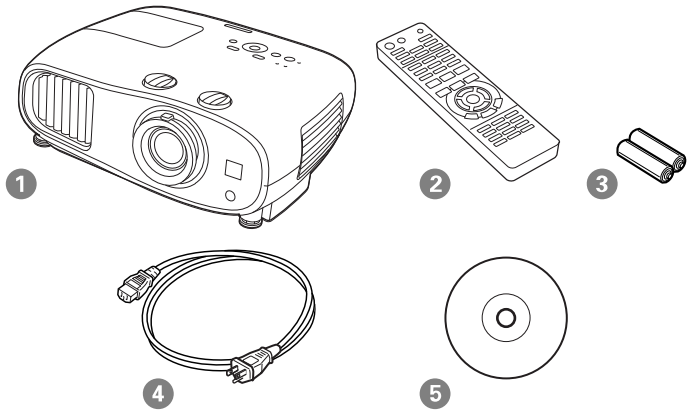
Product Box Contents
Additional Components
Optional Equipment and Replacement Parts
Warranty and Registration Information

Parent topic: Introduction to Your Projector

Product Box Contents

Save all the packaging in case you need to ship the projector. Always use the original packaging (or equivalent) when shipping.

Make sure your projector box included all of these parts:



1 Projector
2 Remote control
3 Remote control batteries (two AA alkaline)
4 Power cord
5 Projector documentation CD

Parent topic: Projector Features

Additional Components

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

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

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

Signal or connection type	Additional component necessary
HDMI	Compatible HDMI cable Available for purchase from Epson or an authorized Epson reseller.
Optical HDMI	Compatible optical HDMI cable
MHL	MHL-compatible device or device with an integrated MHL connector, MHL cable, or HDMI cable and MHL adapter compatible with your device Available for purchase from Epson or an authorized Epson reseller.
3D	Compatible HDMI cable and active shutter 3D glasses Available for purchase from Epson or an authorized Epson reseller. **Note:** If your video source is a 3D Blu-ray disc, you also need a Blu-ray player that supports 3D playback. See your local computer or electronics dealer for purchase information.
External audio	Speakers, an audio video receiver, or a video source with speaker connections, and the cables necessary for connecting them
VGA	To connect a computer through its VGA port to the projector's VGA video port, you need a VGA computer cable. Available for purchase from Epson or an authorized Epson reseller.

Parent topic: Projector Features

Related references

Optional Equipment and Replacement Parts

Optional Equipment and Replacement Parts

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

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

Option or part	Part number
Genuine Epson replacement lamp (ELPLP85)	V13H010L85
Replacement air filter (ELPAF39)	V13H134A39
RF 3D glasses (ELPGS03)	V12H548006
Projector ceiling mount (ELPMB20/22/30)	CHF1000
Belkin PureAV HDMI audio video cable, 6 ft	AV22300-06
Belkin PureAV HDMI audio video cable, 12 ft	AV22300-12
Belkin PureAV HDMI audio video cable, 3 ft	AV22300-03
Belkin Pro Series VGA/SVGA cable, 6 ft	F3H982-06
Belkin Pro Series VGA/SVGA cable, 10 ft	F3H982-10
Belkin Pro Series VGA/SVGA cable, 25 ft	F3H982-25
Remote control	2175313
Wireless LAN module (ELPAP10)	V12H731P02
3D Glasses Charger	ELPAC01

In addition to the accessories listed above, 1-year and 2-year extended service plans are available.

Parent topic: Projector Features

Warranty and Registration Information

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

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

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

Registering also lets you receive special updates on new accessories, products, and services.

Parent topic: Projector Features

Notations Used in the Documentation

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

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

Parent topic: Introduction to Your Projector

Where to Go for Additional Information

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

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

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

- 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

Additional Projector Software and Manuals

After connecting and setting up the projector, install the projector software from the included software CD, 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
EasyMP Multi PC Projection	*EasyMP Multi PC Projection Operation Guide*	Lets you hold interactive meetings by projecting the computer screens of users over a network.
Epson iProjection app	Instructions are included with the app	Lets you project from an iOS or Android device if your projector is connected to a network that includes a wireless access point. Visit epson.com/projectorapp (U.S.) or epson.ca/projectorapp (Canada) for more information.

Parent topic: Introduction to Your Projector

Related references

Where to Get Help

Projector Part Locations

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

Projector Parts - Front/Top

Projector Parts - Rear

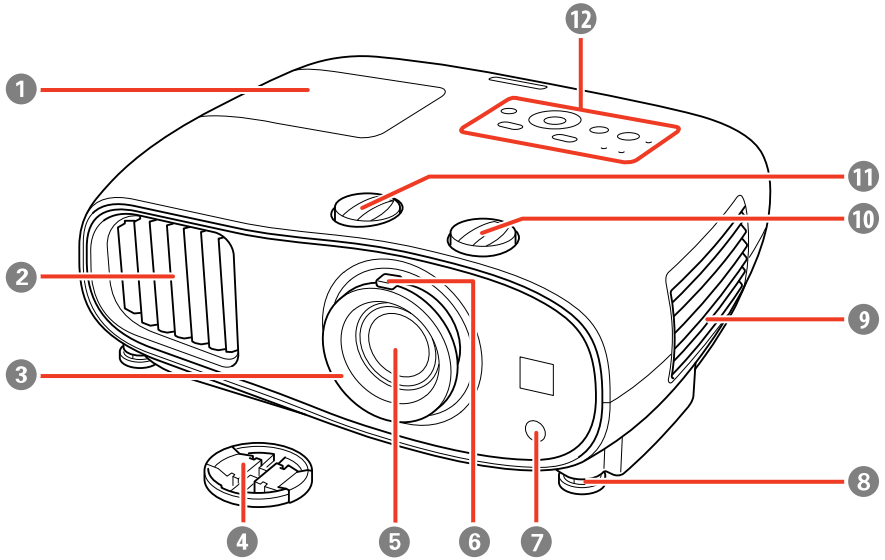
Projector Parts - Base

Projector Parts - Control Panel

Projector Parts - Remote Control

Parent topic: Introduction to Your Projector

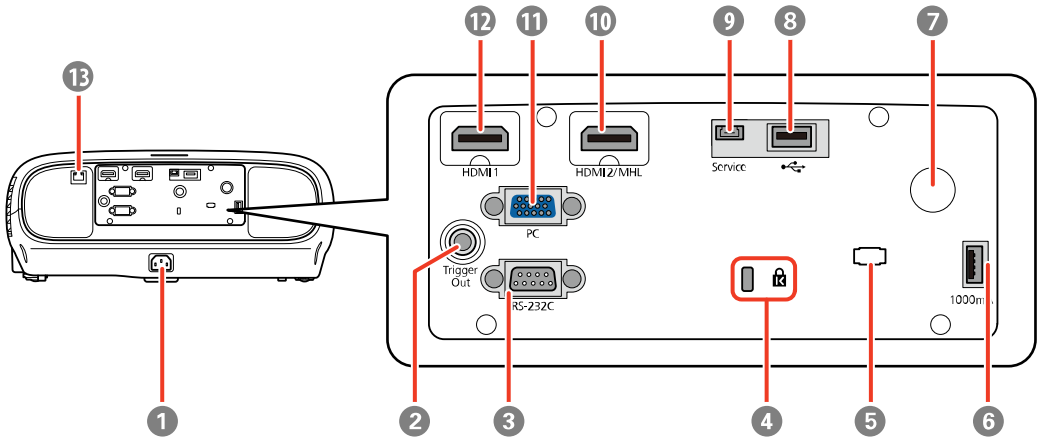
Projector Parts - Front/Top



1 Lamp cover
2 Exhaust vent
3 Focus ring
4 Lens cap
5 Lens
6 Zoom ring
7 Remote receiver
8 Front adjustable feet
9 Air intake/air filter cover
10 Vertical lens shift dial
11 Horizontal lens shift dial
12 Control panel and lights

Parent topic: Projector Part Locations

Projector Parts - Rear



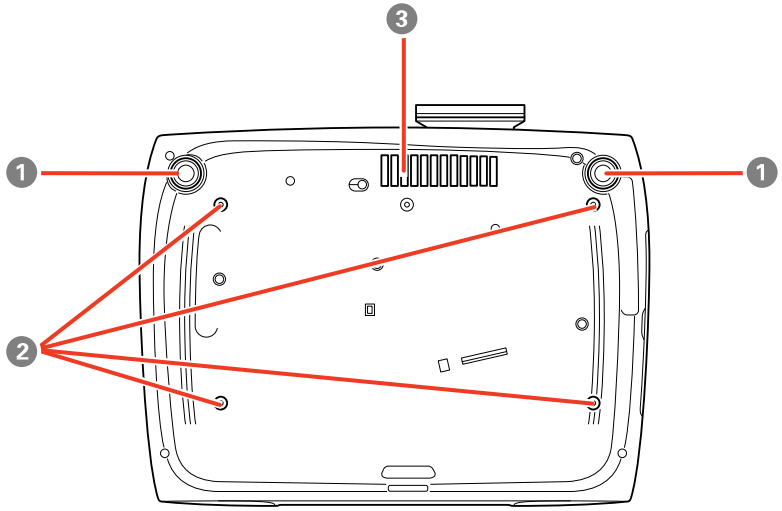
1 AC input port
2 **Trigger Out** port
3 **RS-232C** port
4 Security cable attachment point
5 Cable holder
6 **1000 mA** port (USB power for optical HDMI connections)
7 Remote receiver
8 USB port
9 **Service** port
10 **HDMI2/MHL** port
11 **PC** port (VGA)
12 **HDMI1** port
13 LAN port

Parent topic: Projector Part Locations

Related tasks

Installing a Security Cable

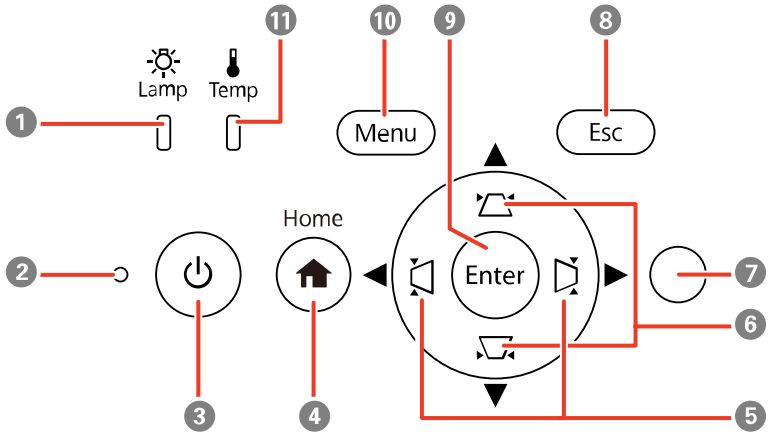
Projector Parts - Base



1 Front adjustable feet
2 Mounting bracket holes
3 Intake vent

Parent topic: Projector Part Locations

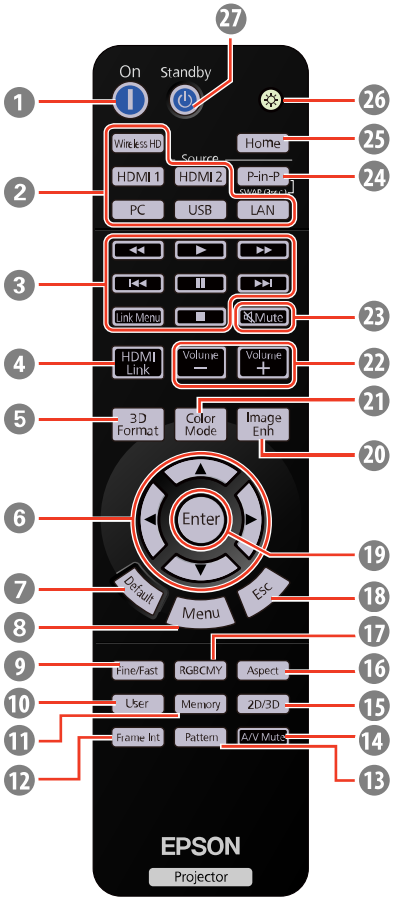
Projector Parts - Control Panel



1 Lamp light
2 Status light
3 Power button and light
4 **Home** button
5 Horizontal keystone adjustment buttons (adjust screen shape) and arrow buttons
6 Vertical keystone adjustment buttons (adjust screen shape) and arrow buttons
7 Brightness sensor
8 **Esc** button (cancels/exits functions)
9 **Enter** button (selects options)
10 **Menu** button (accesses projector menu system)
11 Temp light

Parent topic: Projector Part Locations

Projector Parts - Remote Control



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

2 **Source** buttons (select specific video input sources)

3 Control buttons (control playback and other features of connected devices that support the HDMI CEC or MHL standard)

Link Menu button (displays the main menu of the connected device)

4 **HDMI Link** button (displays the settings menu for HDMI Link)

5 **3D Format** button (changes the 3D format)

6 Arrow buttons (move though on-screen options)
7 **Default** button (returns selected setting to default value)
8 **Menu** button (accesses projector menu system)
9 **Fine/Fast** button (improves image response time for high frame rate sources)
10 **User** button (customizable for different functions)
11 **Memory** button (accesses the Memory menu)
12 **Frame Int** button (adjusts the Frame Interpolation setting)
13 **Pattern** button (displays a test pattern)
14 **A/V Mute** button (turns off picture and sound)
15 **2D/3D** button (cycles between 2D and 3D modes)
16 **Aspect** button (selects the image aspect ratio)
17 **RGBCMY** button (adjusts hue, saturation, and brightness for each RGBCMY color)
18 **Esc** button (cancels/exits functions)
19 **Enter** button (selects options)
20 **Image Enh** button (displays the Image Enhancement menu)
21 **Color Mode** button (selects display modes)
22 **Volume** up/down buttons (adjust externally connected speaker volume)
23 **Mute** button (turns off sound only)
24 **P-in-P** button (controls the Picture-in-Picture mode)
25 **Home** button (displays the Home screen)
26 Illumination button (temporarily lights the remote control buttons)
27 **Standby** button (turns off the projector)

Parent topic: Projector Part Locations

Related references

Remote Control Specifications

Setting Up the Projector

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

Projector Placement
Projector Connections
Installing Batteries in the Remote Control

Projector Placement

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

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

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

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

Projector Setup and Installation Options
Projection Distance

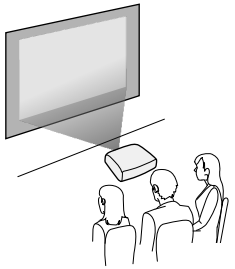
Parent topic: Setting Up the Projector

Related tasks
Changing the Projection Mode Using the Menus

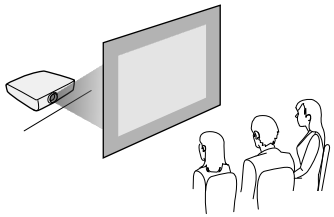
Projector Setup and Installation Options

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

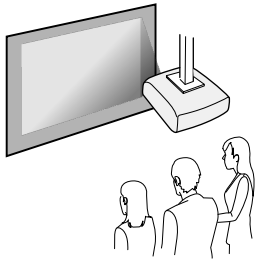
Front



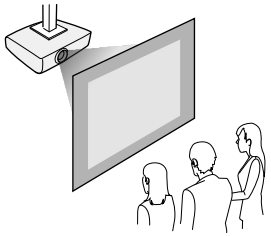
Rear



Front Ceiling



Rear Ceiling



Wherever you set up the projector, make sure to position it squarely in front of the center of the screen, not at an angle, if possible. If the projector cannot be centered in front of the screen, use lens shift to reposition the image instead of using keystone correction for better image quality.

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

Parent topic: Projector Placement

Related references

Projector Setup Settings - Extended Menu

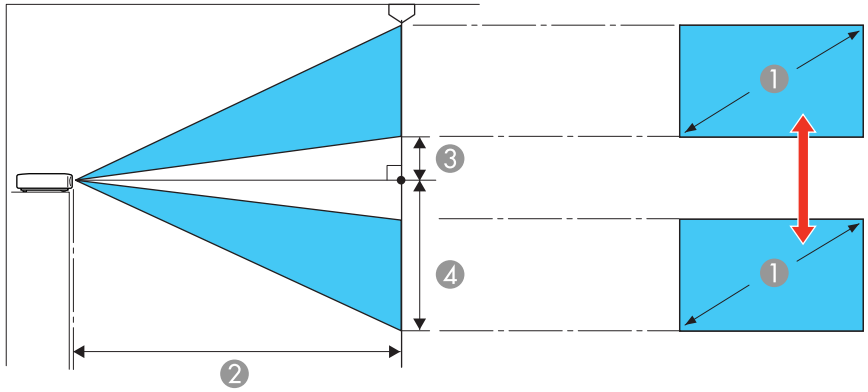
Projection Distance

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

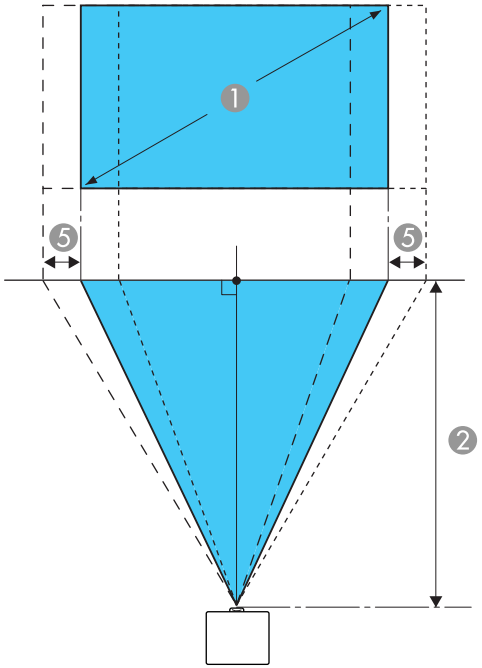
Use the tables here to determine approximately how far to place the projector from the screen based on the size of the projected image. (Conversion figures may have been rounded up or down.)

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

Vertical lens shift adjustment



Horizontal lens shift adjustment



1 Screen or image size

2 Distance between projector and screen

3 Distance from center of lens to bottom of the projected image when the lens is shifted to the highest position

4 Distance from center of lens to bottom of the projected image when the lens is shifted to the lowest position

5 Distance the projected image moves from the center when the lens is shifted to its maximum position left or right

16:9 Aspect Ratio Image or Screen

Screen or image size (1)	Projection distance (2) Wide to Tele
40 inches (101.6 cm)	46 to 75 inches (116 to 190 cm)
60 inches (152.4 cm)	69 to 113 inches (176 to 286 cm)
80 inches (203.2 cm)	93 to 150 inches (235 to 382 cm)
100 inches (254 cm)	116 to 188 inches (295 to 478 cm)
120 inches (304.8 cm)	139 to 226 inches (354 to 575 cm)
150 inches (381 cm)	174 to 283 inches (443 to 719 cm)
180 inches (457 cm)	209 to 340 inches (532 to 863 cm)

Screen or image size (1)	Offset from lens center (3)	Offset from lens center (4)	Offset from lens center (5)
40 inches (101.6 cm)	2 inches (5 cm)	21.6 inches (55 cm)	8.4 inches (21 cm)
60 inches (152.4 cm)	2.9 inches (7 cm)	32.4 inches (82 cm)	12.6 inches (32 cm)
80 inches (203.2 cm)	3.9 inches (10 cm)	43.1 inches (110 cm)	16.7 inches (43 cm)
100 inches (254 cm)	4.9 inches (12 cm)	53.9 inches (137 cm)	20.9 inches (53 cm)
120 inches (304.8 cm)	5.9 inches (15 cm)	64.7 inches (164 cm)	25.1 inches (64 cm)
150 inches (381 cm)	7.4 inches (19 cm)	80.9 inches (205 cm)	31.4 inches (80 cm)
180 inches (457 cm)	8.7 inches (22 cm)	97.2 inches (247 cm)	37.7 inches (96 cm)

4:3 Aspect Ratio Image or Screen

Screen or image size (1)	Projection distance (2) Wide to Tele
40 inches (101.6 cm)	56 to 92 inches (143 to 233 cm)
60 inches (152.4 cm)	85 to 138 inches (216 to 351 cm)
80 inches (203.2 cm)	114 to 184 inches (288 to 468 cm)
100 inches (254 cm)	142 to 231 inches (361 to 586 cm)
120 inches (304.8 cm)	171 to 277 inches (434 to 704 cm)
150 inches (381 cm)	214 to 347 inches (543 to 880 cm)
200 inches (508 cm)	285 to 463 inches (724 to 1175 cm)

Screen or image size	Offset from lens center (2)	Offset from lens center (3)	Offset from lens center (4)
40 inches (101.6 cm)	2.4 inches (6 cm)	26.4 inches (67 cm)	10.2 inches (26 cm)
60 inches (152.4 cm)	3.6 inches (9 cm)	39.6 inches (101 cm)	15.4 inches (39 cm)
80 inches (203.2 cm)	4.8 inches (12 cm)	52.8 inches (134 cm)	20.5 inches (52 cm)
100 inches (254 cm)	6 inches (15 cm)	66 inches (168 cm)	25.6 inches (65 cm)
120 inches (304.8 cm)	7.2 inches (18 cm)	79.2 inches (201 cm)	30.7 inches (78 cm)
150 inches (381 cm)	9 inches (23 cm)	99 inches (251 cm)	38.4 inches (98 cm)
200 inches (508 cm)	12 inches (30 cm)	132 inches (335 cm)	51.2 inches (130 cm)

Parent topic: Projector Placement

Projector Connections

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

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

Connecting to an HDMI Video Source
Connecting to Computer Sources
Connecting to External Speakers
Connecting to a Trigger Out Port

Parent topic: Setting Up the Projector

Related references

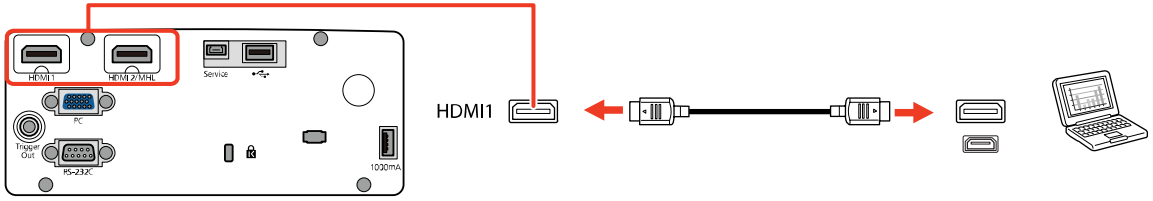
Projector Setup Settings - Extended Menu

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 one of the projector's HDMI ports. If you are connecting an optical HDMI cable, you must also connect the cable's USB power connector to the **1000mA** port.



You can also select the **Fast** setting using the **Fine/Fast** button on the remote control to reduce lag time.

Note: When an audio/video source that meets the HDMI CEC standard is connected to the projector's HDMI port, you can use the projector's remote control to control certain features of the linked device by pressing the **HDMI Link** button on the remote control and setting **HDMI Link** to **On**.

Parent topic: Projector Connections

Related references

Projector Feature Settings - Settings 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

Parent topic: Projector Connections

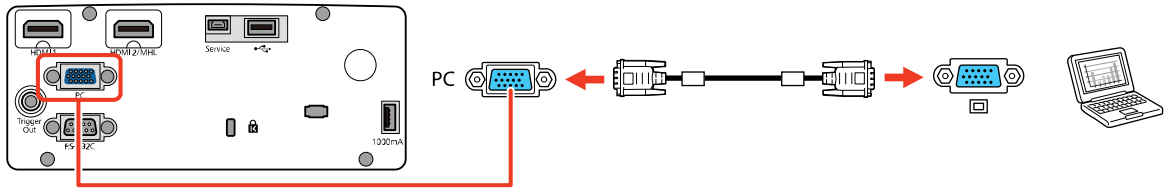
Connecting to a Computer for VGA Video

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 a **PC** port on the projector.



4. Tighten the screws on the VGA connector.

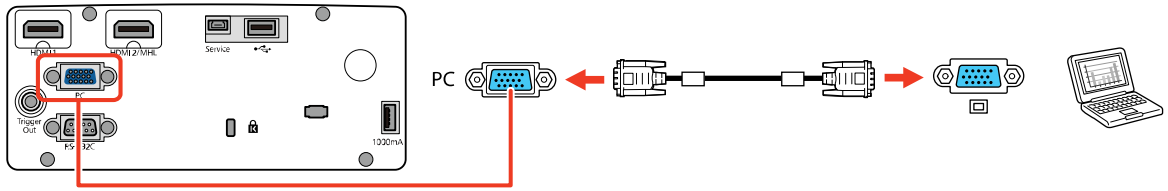
Parent topic: Connecting to Computer Sources

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 one of the projector's HDMI ports. If you are connecting an optical HDMI cable, you must also connect the cable's USB power connector to the **1000mA** port.

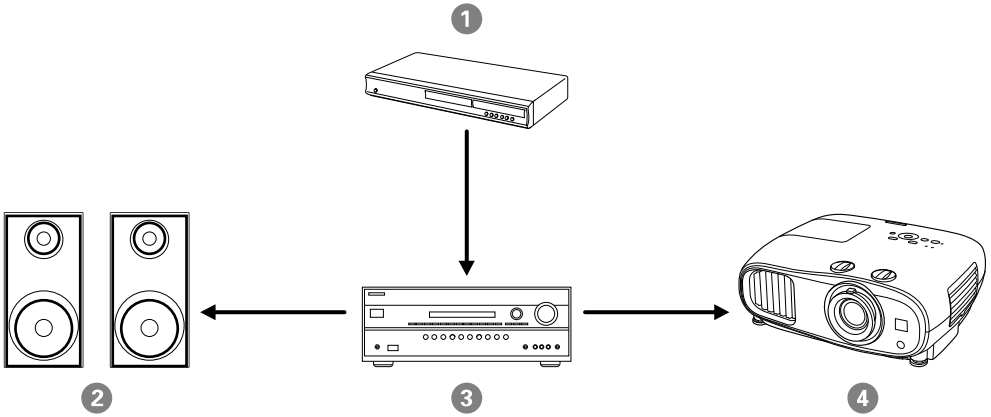


Note: The projector converts the digital audio signal sent from your computer into a mono analog signal for the internal speaker.

Parent topic: Connecting to Computer Sources

Connecting to External Speakers

To add sound, you can connect your video source and speakers to an audio video receiver, then connect the receiver to the projector using one of the receiver's compatible video outputs (an HDMI connection provides the best image quality, if available). You can also connect speakers to any video source that has its own speaker connections.



1 Video source
2 Surround sound speakers
3 Receiver
4 Video cable

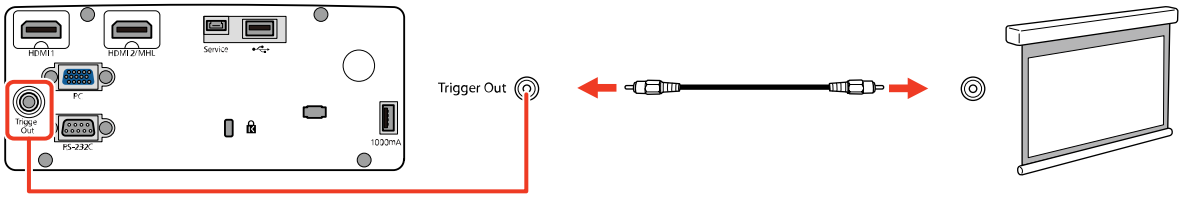
Parent topic: Projector Connections

Connecting to a Trigger Out Port

You can connect your projector to external devices such as motorized screens that support a trigger signal. When active, a 12V signal is sent to the connected device while the projector is powered on.

1. Connect a 3.5 mm stereo mini-jack cable to the external device's trigger port. See your device's documentation for details.

2. Connect the other end to the projector's **Trigger Out** port.



3. Turn on the **Trigger Out** setting in the projector's **Extended** menu.

Parent topic: Projector Connections

Related references

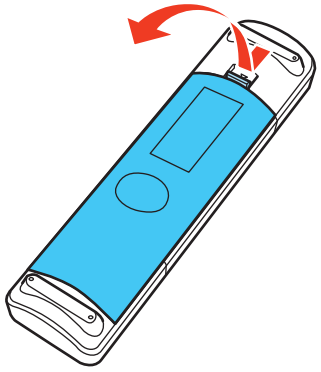
Projector Setup Settings - Extended Menu

Installing Batteries in the Remote Control

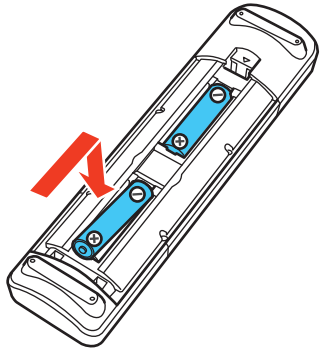
The remote control uses the two AA batteries that came with the projector.

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

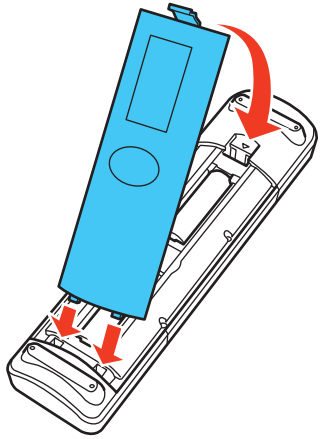
1. Remove the battery cover.



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



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



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

Parent topic: Setting Up the Projector

Related references

Remote Control Specifications

Using the Projector on a Network

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

Wired Network Projection
Wireless Network Projection
Selecting External Network Detection Settings

Related references

Additional Projector Software and Manuals

Wired Network Projection

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

After connecting and setting up the projector as described here, install the network software from the included CD or download the software and manuals as necessary.

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

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 better.

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

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



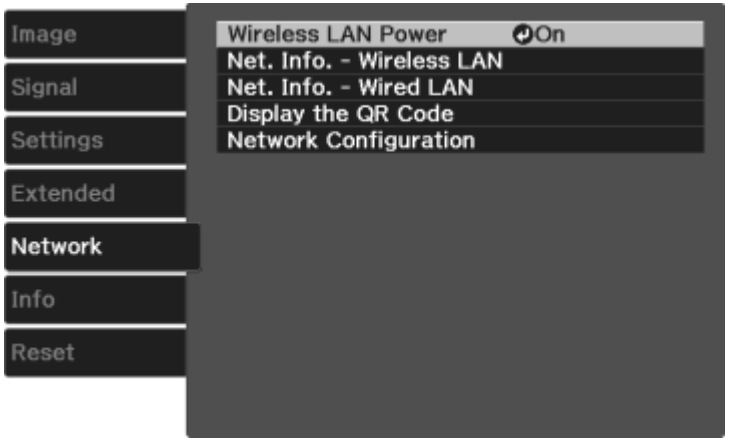
Parent topic: Wired Network Projection

Selecting Wired Network Settings

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

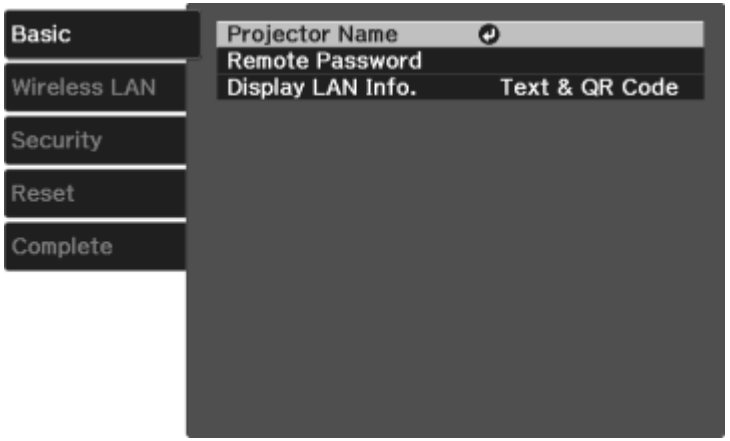
Note: Make sure you already connected the projector to your wired network using the **LAN** port.

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**.

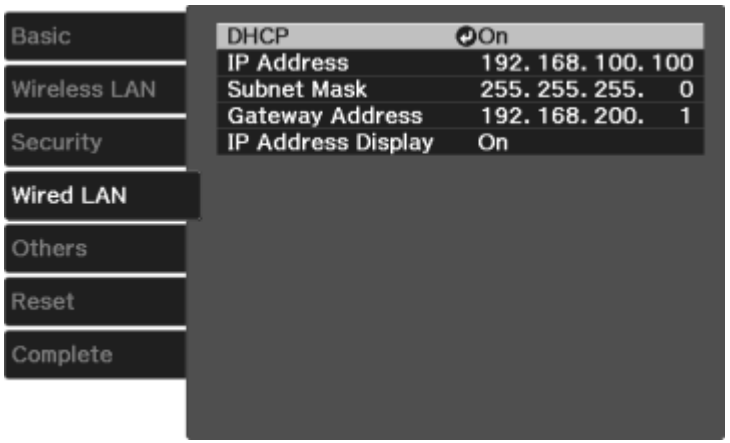
5. Select the **Basic** menu and press **Enter**.



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.
   - **Remote Password** lets you enter a password up to 8 alphanumeric characters long for accessing the Remote or Basic Control screen on a smartphone or tablet.
   - **Display LAN Info** lets you select how the projector displays network information. You can select an option to display a QR code that lets you quickly connect your iOS or Android devices using the Epson iProjection app.

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

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



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

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

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

Parent topic: Wired Network Projection

Wireless Network Projection

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

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

To connect wirelessly to your projector, configure the connection using the projector's Network menus.

After setting up the projector as described here, install the network software from the included CD or download the software and manuals as necessary.

Note: Wireless network connectivity is not recommended for video streaming.

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

Installing the Wireless LAN Module
Selecting Wireless Network Settings Manually
Using a QR Code to Connect a Mobile Device
Searching for a Wireless Network
Selecting Wireless Network Settings in Windows
Selecting Wireless Network Settings in OS X
Enabling WPA or WPA2 Security

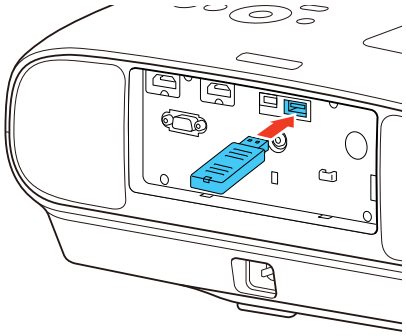
Parent topic: Using the Projector on a Network

Related references
Additional Projector Software and Manuals

Installing the Wireless LAN Module

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

Insert the wireless LAN module into the USB Type A port.



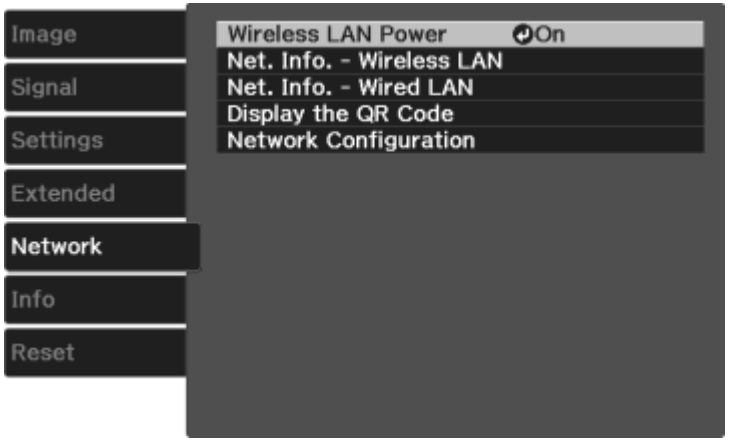
The light on the wireless LAN module turns on when the module is installed and operating. The light flashes when the module is communicating over the network.

Parent topic: Wireless Network Projection

Selecting Wireless Network Settings Manually

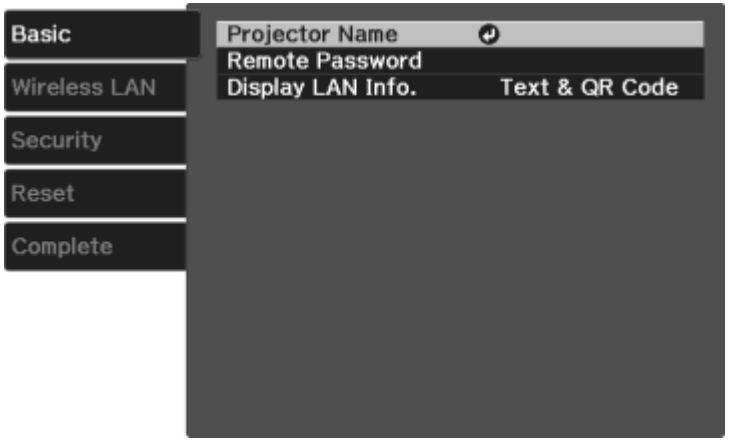
Before you can project from your wireless network, you must select the network settings for the projector using its menu system.

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



4. Make sure the **Wireless LAN Power** setting is set to **On**.
5. Select **Network Configuration** and press **Enter**.

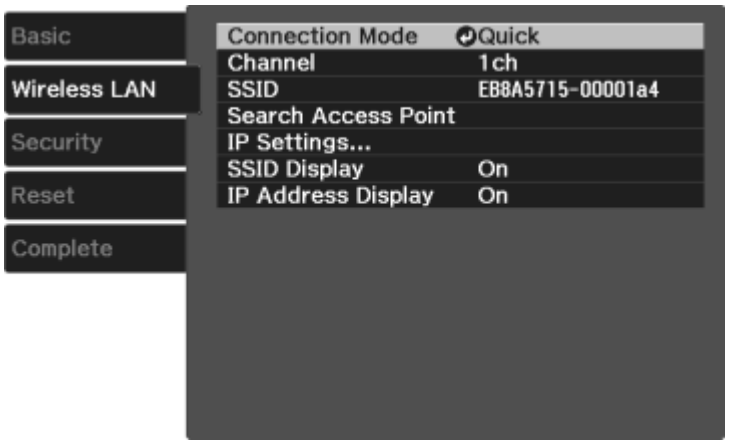
6. Select the **Basic** menu and press **Enter**.



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.
   - **Remote Password** lets you enter a password up to 8 alphanumeric characters long for accessing the Remote or Basic Control screen on a smartphone or tablet.
   - **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.

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
Restricted IP Addresses

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 quickly connect to one computer **Advanced**: lets you connect to multiple computers via a wireless network access point (infrastructure mode)

Setting	Options	Description
Channel	**1ch** **6ch** **11ch**	In **Quick** connection mode, selects the frequency band (channel) used by the wireless LAN
SSID	Up 32 alphanumeric characters	Sets the SSID (network name) of the wireless LAN system the projector is connecting to
Search Access Point	**To Search View**	Searches for available wireless network access points in **Advanced** connection mode
IP Settings	—	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** (see list of restricted IP addresses in link below)
SSID Display	**On** **Off**	Selects whether to display the SSID on the network standby screen and the Home screen
IP Address Display	**On** **Off**	Selects whether to display the IP address on the network standby screen and the Home screen

Parent topic: Selecting Wireless Network Settings Manually

Related references

Restricted IP Addresses

Restricted IP Addresses

When manually entering IP Settings, you cannot use these ranges of IP addresses:

Setting	Restricted IP addresses
IP Address	0.0.0.0 127.x.x.x 224.0.0.0 to 255.255.255.255
Subnet Mask	0.0.0.0 255.255.255.255
Gateway Address	0.0.0.0 197.x.x.x 224.0.0.0 to 255.255.255.255

Parent topic: Selecting Wireless Network Settings Manually

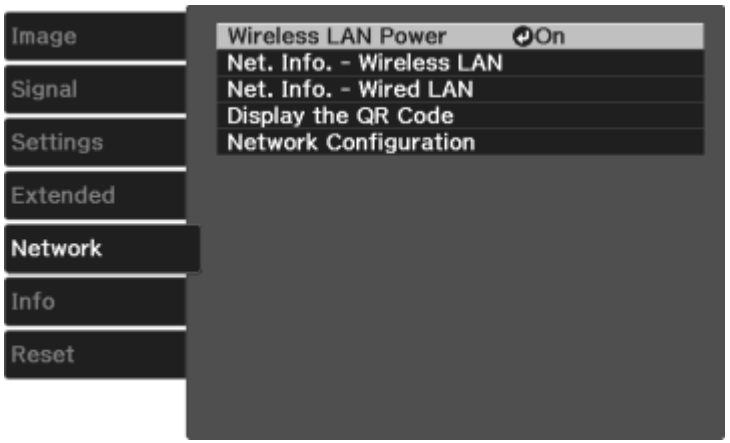
Using a QR Code to Connect a Mobile Device

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.

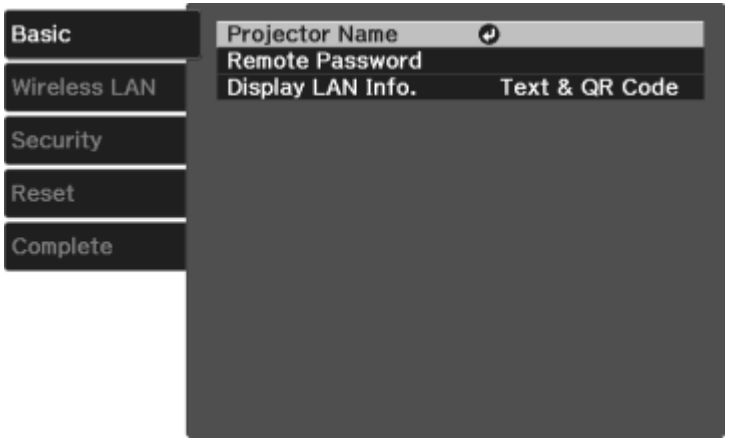
Note: Make sure you have installed the latest version of Epson iProjection on your device. Visit epson.com/projectorapp (U.S.) or epson.ca/projectorapp (Canada) for more information.

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. Press the **LAN** button on the remote control or select **Display the QR Code** in the projector's Network menu. (You can also press the **Home** button on the remote control and select **Display the QR Code** on the Home screen.)

   Your projector displays the QR code on the projection surface.

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

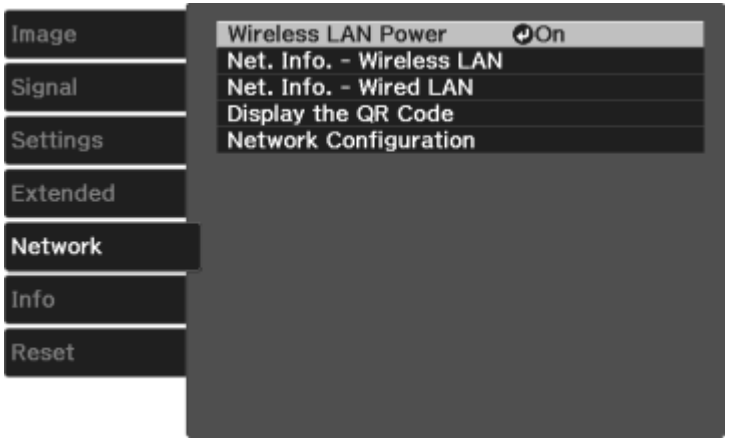
8. Start Epson iProjection on your mobile device.
9. Use the QR code reader feature to read the QR code and connect your device to the projector. Visit epson.com/projectorapp (U.S.) or epson.ca/projectorapp (Canada) for instructions.

Parent topic: Wireless Network Projection

Searching for a Wireless Network

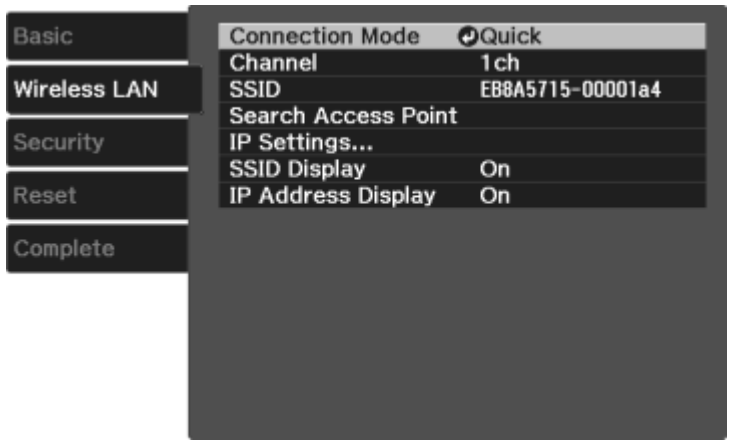
You can use your projector's site survey function to quickly locate and connect to available wireless networks.

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



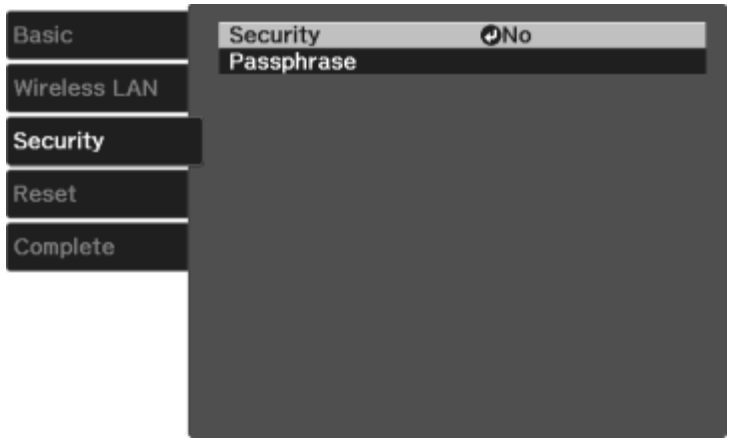
4. Select **Network Configuration** and press **Enter**.

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



6. Select **Advanced** as the Connection Mode setting and press **Enter**.
7. Select **Search Access Point** and press **Enter**.
8. Select the name of the wireless network you want to connect to and press **Enter**.
9. If the network has security enabled, enter the wireless password.

   You see a screen like this:



10. Select the settings on the Security menu as necessary for your network.
11. 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

Selecting Wireless Network Settings in Windows

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

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

Parent topic: Wireless Network Projection

Selecting Wireless Network Settings in OS X

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

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

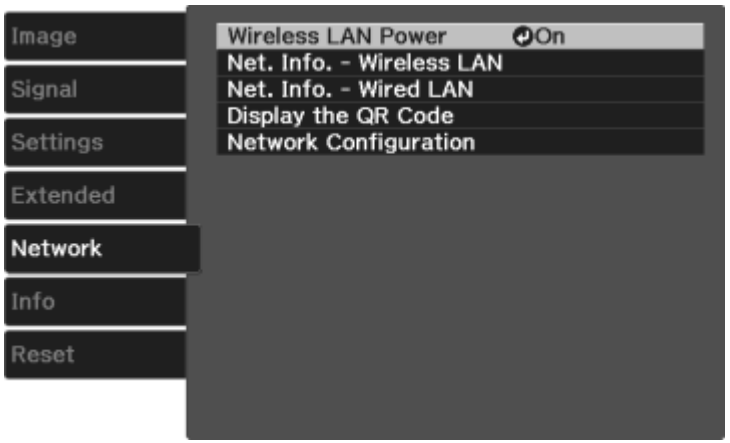
Parent topic: Wireless Network Projection

Enabling WPA or WPA2 Security

Set up the WPA or WPA2 security settings to match your network's settings. Check with your network administrator for guidance on entering the correct information.

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

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



4. Select **Network Configuration** and press **Enter**.
5. Select the **Security** menu and press **Enter**.
6. Select the settings on the Security menu as necessary for your network.
7. When you finish selecting settings, select **Complete** and follow the on-screen instructions to save your settings and exit the menus.

Wireless Security Menu Settings

Parent topic: Wireless Network Projection

Wireless Security Menu Settings

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

Setting	Options	Description
Security	**No** **WPA2-PSK** **WPA/WPA2-PSK**	Selects the type of security used on the wireless network

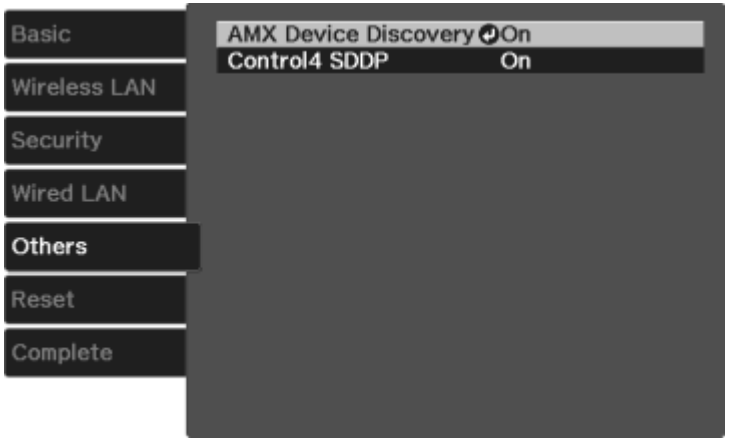
Setting	Options	Description
Passphrase	—	For the selected security, selects the pre-shared passphrase used on the network

Parent topic: Enabling WPA or WPA2 Security

Selecting External Network Detection Settings

If you are using a compatible network control system, you can select settings that allow your projector to be detected by those systems.

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 your network environment uses an AMX controller, turn on the **AMX Device Discovery** setting to allow the projector to be detected.
6. If your network environment uses a Control4 or Control4 SDDP controller, turn on the **Control4 SDDP** setting to allow the projector to be detected.
7. 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

Using Basic Projector Features

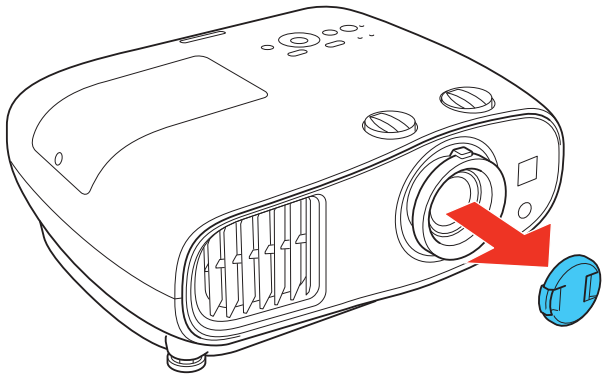
Follow the instructions in these sections to use your projector's basic features.

Turning On the Projector
Turning Off the Projector
Viewing 3D Images
Selecting the Language for the Projector Menus
Adjusting the Image Height
Adjusting the Image Position Using Lens Shift
Image Shape
Resizing the Image with the Zoom Ring
Focusing the Image Using the Focus Ring
Remote Control Operation
Selecting an Image Source
Projection Modes
Image Aspect Ratio
Color Mode

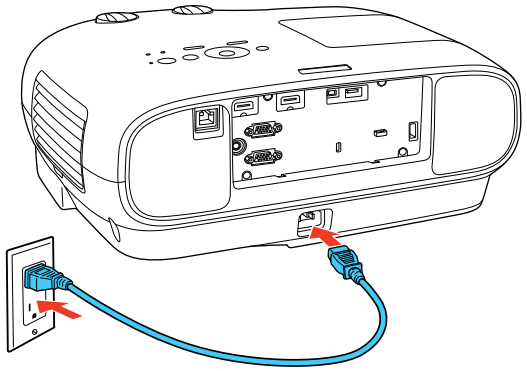
Turning On the Projector

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

1. Remove the projector's lens cover.



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



3. Plug the power cord into an electrical outlet.

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

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

   The status light flashes blue as the projector warms up. Once the projector is warmed up, the status light stops flashing and turns blue.

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

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

- Turn on the connected computer or video device.
- Insert a DVD or other video media and press the play button, if necessary.
- Press the button for the video source on the remote control.
- If the Home screen is displayed, select the source you want to project.

Using the Home Screen

Parent topic: Using Basic Projector Features

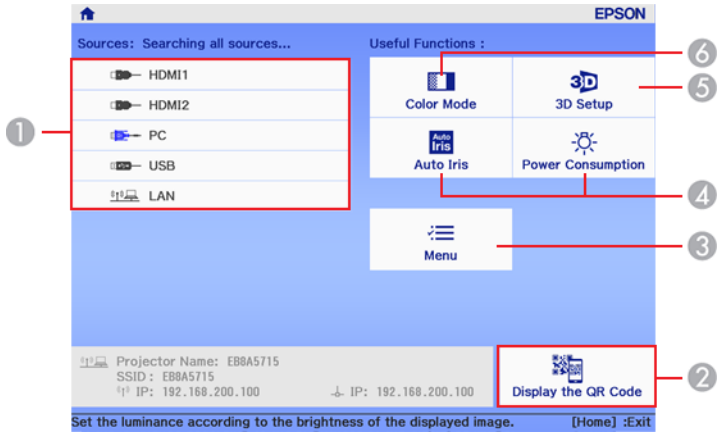
Related references

Projector Setup Settings - Extended Menu

Using the Home Screen

You can select input sources and other frequently used options from the Home screen.

1. To display the Home screen, do one of the following:
   - Press the **Home** button on the remote control.
   - Turn on the projector with the **Home Screen Auto Disp** setting enabled.
   - Turn on the projector when no signal is received from the selected input source.
2. Press the arrow buttons on the remote control or control panel to navigate the screen, and press **Enter** to select an option.



1	Select the video source you want to project
2	Display the QR code
3	Display the projector's menus
4	Select customizable menu options
5	Select to change the 3D settings
6	Select to change the Color Mode

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

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

Parent topic: Turning On the Projector

Related references

Projector Setup Settings - Extended Menu

Turning Off the Projector

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

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

Note: When using the A/V Mute feature, the projector lamp is still on. To turn off the lamp, turn off the projector.

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

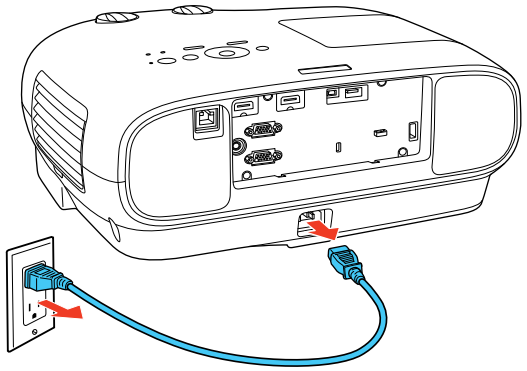
   The projector displays a shutdown confirmation screen.



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

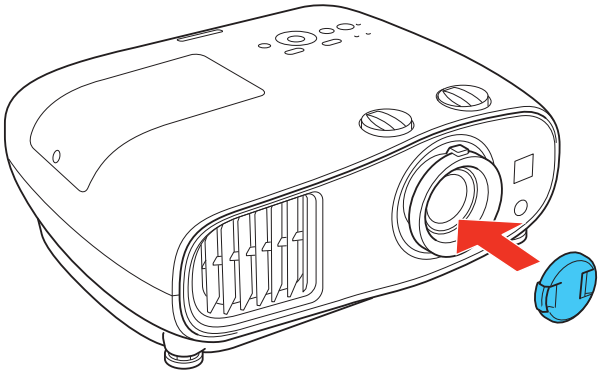
   The lamp and the status light turn off.

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



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

4. Replace the projector's lens cover.



Parent topic: Using Basic Projector Features

Related tasks

Shutting Off the Picture and Sound Temporarily

Transporting the Projector

Viewing 3D Images

You can view 3D images using your projector. Viewing 3D images requires a 3D-compatible video device, a compatible HDMI cable, and a pair of Epson RF 3D glasses (not included with your projector). You can also convert 2D images to 3D using the **2D-to-3D Conversion** setting in your projector's **Signal** > **3D Setup** menu.

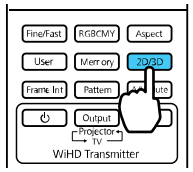
You can purchase Epson RF 3D glasses from an Epson authorized reseller. To find the nearest reseller, call 800-GO-EPSON (800-463-7766). Or you can purchase online at epsonstore.com (U.S. sales) or epson.ca (Canadian sales).

Note: Make sure the **3D Display** setting on the **Signal** menu is set to **Auto** or **3D**.

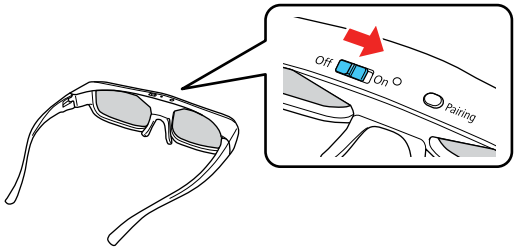
1. Connect a 3D-compatible video device to the projector using a compatible HDMI cable.
2. Turn on the video device, then turn on the projector.
3. Begin playback from the video device.

   Note: Make sure you set the video device to play content in 3D mode.

4. Press the **2D/3D** button on the remote control to activate 3D mode, if necessary.



5. Slide the power switch on the 3D glasses to the **On** position.



6. Put on the 3D glasses. If you do not see a 3D image, pair the glasses with the projector.

   Note: If you change the video source or you are not within range of your projector, the glasses enter standby mode and the status light flashes green. Slide the power switch on the glasses to the **Off** position and then back to the **On** position to resume 3D viewing.

Pairing the 3D Glasses with the Projector
Charging the 3D Glasses
3D Viewing Range

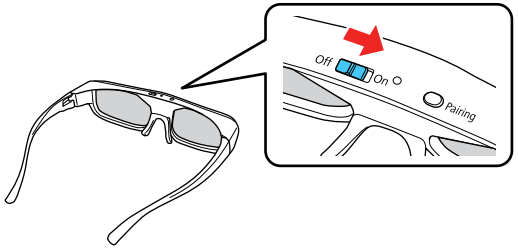
Parent topic: Using Basic Projector Features

Related references
Input Signal Settings - Signal Menu

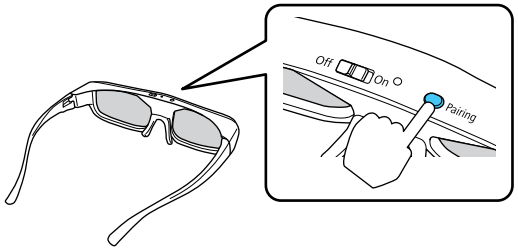
Pairing the 3D Glasses with the Projector

Pair the glasses with the projector to establish communication between them for 3D viewing.

1. Turn on the projector.
2. Set the image source to HDMI on the projector.
3. Project a 3D image.
4. Slide the power switch on the 3D glasses to the **On** position.



5. Move the glasses within 10 feet (3 m) of the projector and hold down the **Pairing** button for at least three seconds.



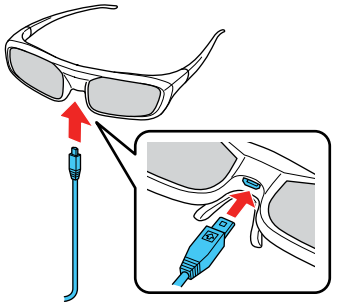
The status light on the glasses flashes green and red. If pairing is successful, the light turns green for 10 seconds and then turns off.

Parent topic: Viewing 3D Images

Charging the 3D Glasses

When the status light on the glasses flashes red to indicate a low battery, it is time to charge the glasses.

1. Connect the smaller end of the charging cable to the port on the bridge of the glasses.



Note: Make sure you connect the cable in the correct orientation or you may damage the glasses or cable.

2. Do one of the following:
   - Plug the other end of the charging cable into a powered USB port on a computer or other device.

- Plug the other end of the charging cable into a USB-to-AC adapter with the following specifications:

  Input: 100-240V, ~0.15A, 50-60Hz

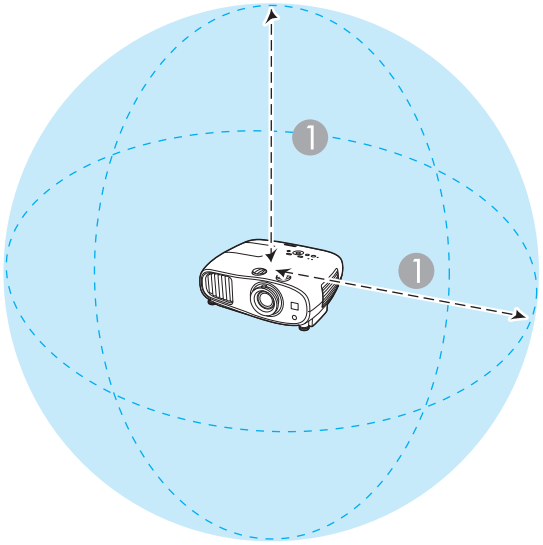
  Output: 5V=1A

The glasses are fully charged when the status light on the glasses stays green.

Parent topic: Viewing 3D Images

3D Viewing Range

When you view 3D images, make sure you are positioned within the viewing range shown here.



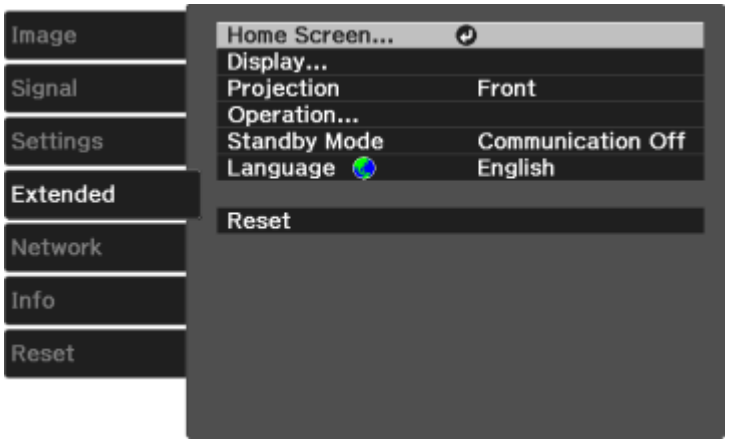
1 32 ft (10 m)

Parent topic: Viewing 3D Images

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.

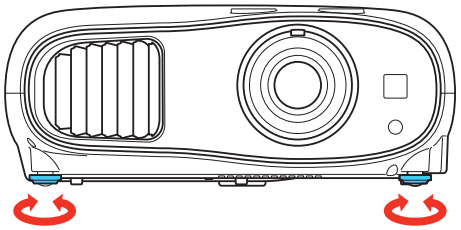
Parent topic: Using Basic Projector Features

Adjusting the Image Height

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

1. Turn on the projector and display an image.

2. If the image is tilted, rotate the front feet to adjust their height.



3. Use the vertical and horizontal lens shift dials on the projector to adjust the position of the projected image as necessary.

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

Parent topic: Using Basic Projector Features

Related concepts

Image Shape

Adjusting the Image Position Using Lens Shift

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

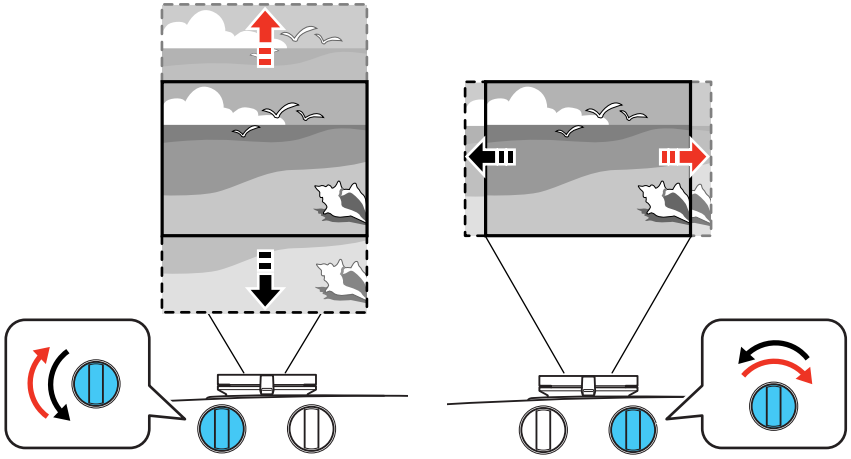
Follow these guidelines when using lens shift to adjust your images:

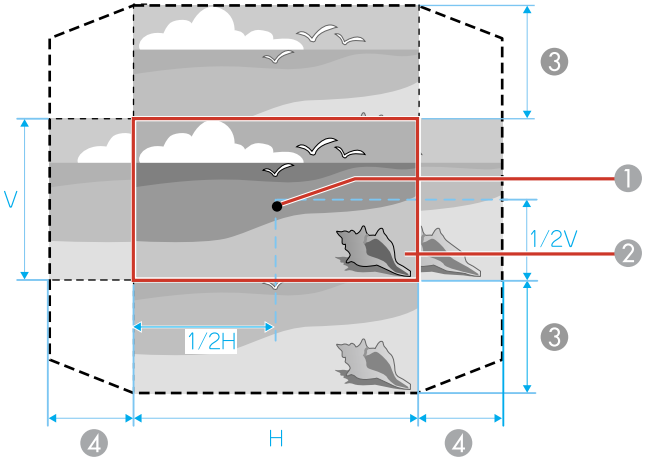
- When adjusting the image height, position the image lower than where you want it to be and then move it up using the vertical lens shift dial. This helps prevent the image from moving down after adjustment.
- Keep the vertical and horizontal lens shift dials in their center positions for the clearest picture.

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

1. Turn on the projector and display an image.

2. Turn the vertical and horizontal lens shift dials on the projector to adjust the position of the projected image as necessary.





1 Center of lens

2 Projected image when lens shift is set in the center

3 V × 60%

4 H × 24%

Note: You cannot move the image to both the horizontal and vertical maximum values.

Parent topic: Using Basic Projector Features

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 the Keystone Buttons

Correcting Image Shape with Quick Corner

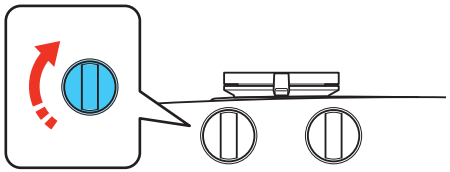
Parent topic: Using Basic Projector Features

Correcting Image Shape with the Keystone Buttons

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

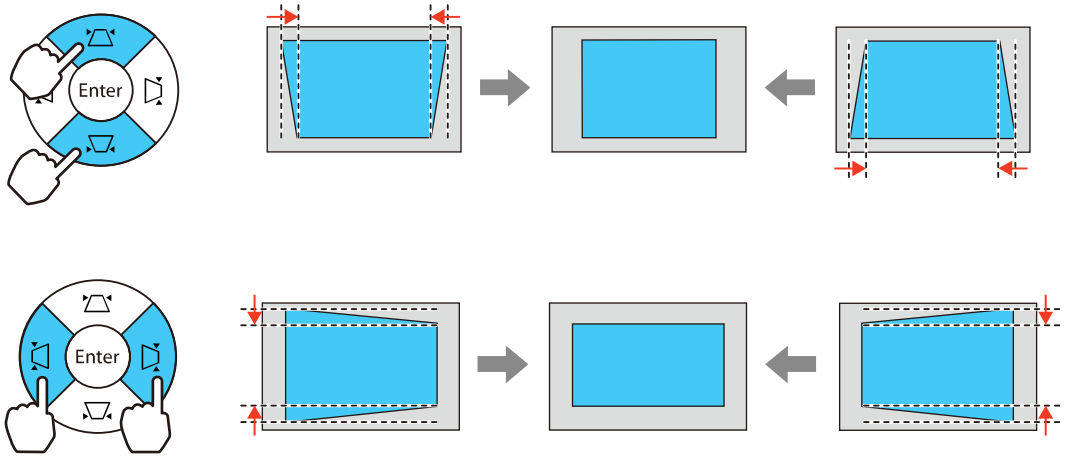
Note: To provide the best possible image quality, adjust the projector's position to correct the image shape. If this isn't possible, use the keystone correction buttons on the projector to correct the image shape.

Note: To use the keystone correction feature, you must first set the lens to the center-top position using the lens shift dials.



Note: Wait 30 minutes after turning on the projector before setting the focus for maximum accuracy.

1. Turn on the projector and display an image.
2. Press one of these keystone buttons on the control panel to display the Keystone adjustment screen.



3. Press a keystone button on the projector's control panel to adjust the image shape.

   After correction, your image is slightly smaller.

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

Parent topic: Image Shape

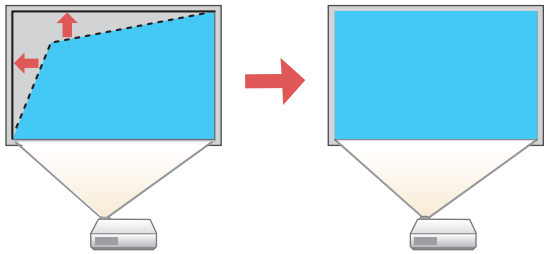
Related references

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.

Note: To provide the best possible image quality, adjust the projector's position to correct the image shape. If this isn't possible, use the Quick Corner setting to correct the image shape.

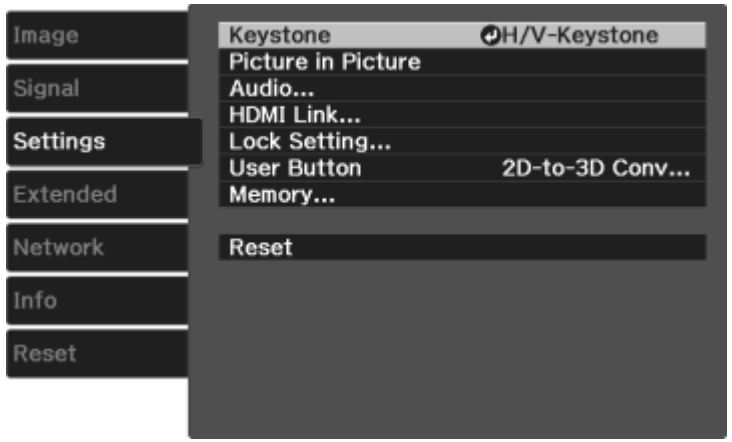


1. Turn on the projector and display an image.

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

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

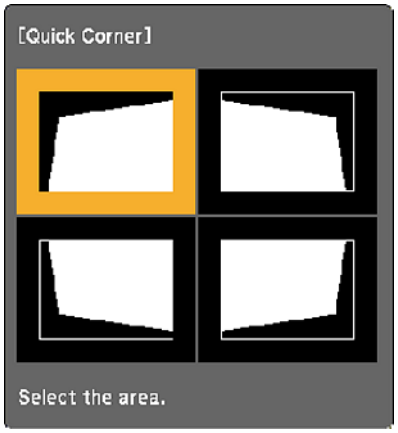
2. Press the **Menu** button.
3. Select the **Settings** menu and press **Enter**.



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

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

   You see the Quick Corner adjustment screen:



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

Parent topic: Image Shape

Related references

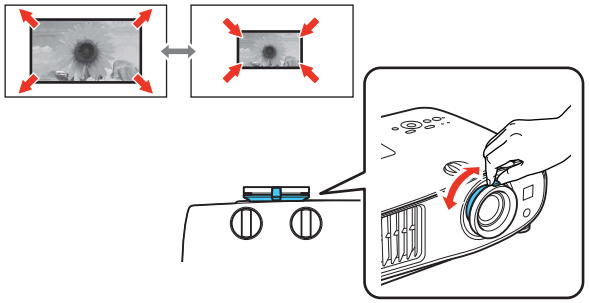
Projector Feature Settings - Settings Menu

Resizing the Image with the Zoom Ring

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

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

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



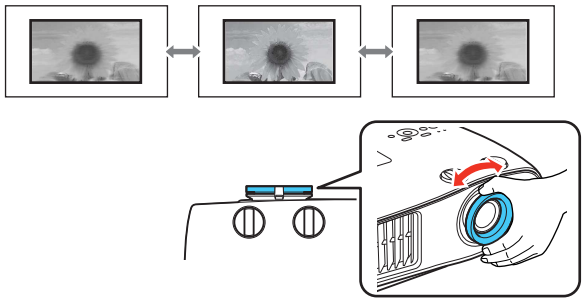
Parent topic: Using Basic Projector Features

Focusing the Image Using the Focus Ring

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

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

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



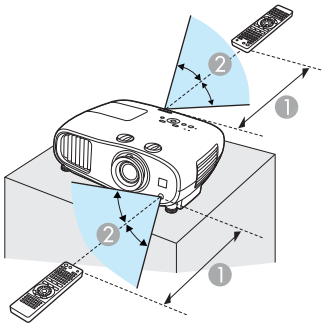
Parent topic: Using Basic Projector Features

Remote Control Operation

The remote control lets you control the projector from almost anywhere in the room. You can point it at the screen, or the front or back of the projector.

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

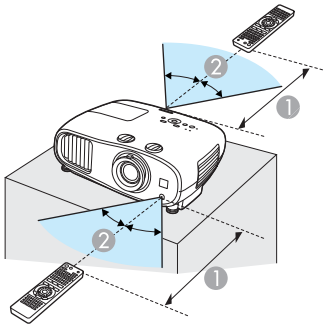
Vertical



1 32 feet (10 m)

2 ± 30°

Horizontal



1 32 feet (10 m)

2 ± 30°

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

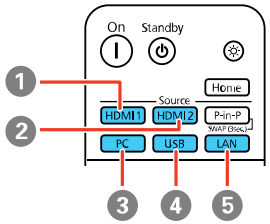
Related tasks

Using the Home Screen

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. Press the button for the source you want on the projector's control panel or remote control. If there is more than one port for that source, press the button again to cycle through the sources.



1 HDMI1 port source
2 HDMI2/MHL port source
3 VGA port source
4 USB port source
5 LAN source

Parent topic: Using Basic Projector Features

Projection Modes

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

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

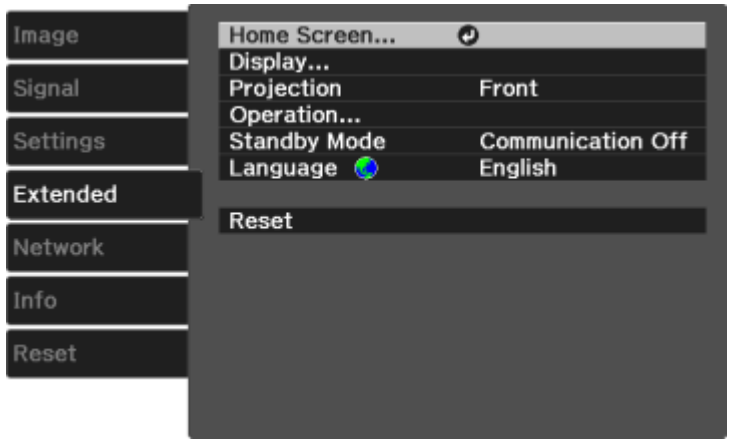
Changing the Projection Mode Using the Menus

Parent topic: Using Basic Projector Features

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

Related concepts
Projector Placement

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

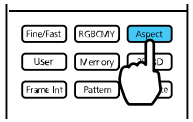
Parent topic: Using Basic Projector Features

Changing the Image Aspect Ratio

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

Note: For HDMI sources, the input signal determines the image's 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.



A list of the available aspect ratios appears.

3. To cycle through the available aspect ratios for your input signal, press the up or down arrow button.
4. Press **Enter** to select the aspect ratio.

Parent topic: Image Aspect Ratio

Available Image Aspect Ratios

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

Note: When the projector is in 3D mode, the aspect ratio is automatically set to **Normal**.

Note: Black bands and cropped 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 using the full projection area and maintains the aspect ratio of the image.
Zoom	Displays images using the full width of the projection area and maintains the aspect ratio of the image.
Full	Displays images using the full width of the projection area, but does not maintain the aspect ratio.

Parent topic: Image Aspect Ratio

Color Mode

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

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

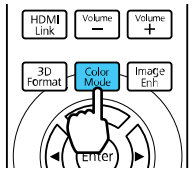
Changing the Color Mode
Available Color Modes
Turning On Auto Iris

Parent topic: Using Basic Projector Features

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.



A list of available Color Modes appears.

4. To cycle through all the available Color Modes for your input signal, press the up or down arrow button.
5. Press **Enter** to select a Color Mode.

Parent topic: Color Mode

Available Color Modes

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

2D Images

Color Mode	Description
Dynamic	Best for projecting in a bright room
Natural	Best for projecting in a dark room
Bright Cinema	Best for projecting in a room with closed curtains
Cinema	Best for projecting color movies in a dark room

3D Images

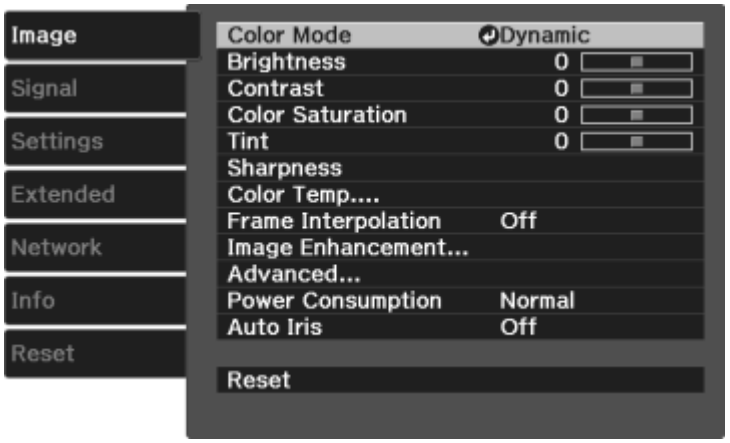
Color Mode	Description
3D Dynamic	Best for projecting in a bright room
3D Cinema	Best for projecting movies in a dark room

Parent topic: Color Mode

Turning On Auto Iris

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

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



4. Select the **Auto Iris** setting and choose one of the following:
   - **High Speed** to adjust brightness as soon as the scene changes.
   - **Normal** for standard brightness adjustment.

   Note: You can set **Auto Iris** for each Color Mode that supports the feature.

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

Parent topic: Color Mode

Adjusting Projector Features

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

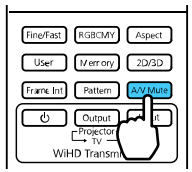
Shutting Off the Picture and Sound Temporarily
Using Picture in Picture
Adjusting the Color Convergence (Panel Alignment)
Adjusting the Color Tone (Color Uniformity)
Projector Security Features
Saving Settings to Memory and Using Saved Settings

Shutting Off the Picture and Sound Temporarily

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

Note: If the picture and sound are off for more than 30 minutes, the power automatically turns off. You can adjust this setting using the projector's menu system.

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



Note: To mute only the audio, press the **Mute** button on the remote control.

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

Parent topic: Adjusting Projector Features

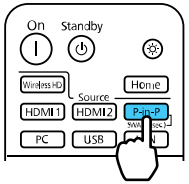
Using Picture in Picture

You can use Picture in Picture mode to view two image sources simultaneously.

Note: You can display only HDMI video sources when using Picture in Picture mode.

Note: You cannot use Picture in Picture while projecting 3D images or when **Image Processing** is set to **Fast** in the Signal menu.

1. Turn on the projector and switch to the HDMI image source you want to use.
2. Press the **P-in-P** button on the remote control.



The second HDMI video source appears as a sub-screen in the corner of the image.

Note: While Picture in Picture mode is active, press the **Menu** button on the remote control to adjust the size and position of the sub-screen.

3. To swap the main screen and sub-screen video sources, press and hold the **P-in-P** button for at least three seconds.
4. Press the **P-in-P** button again to close the sub-screen and resume normal projection.

Available Picture in Picture Options

Parent topic: Adjusting Projector Features

Available Picture in Picture Options

You can adjust the following options by pressing the **Menu** button on the remote control while Picture in Picture mode is active:

Setting	Description
Subscreen Size	Adjusts the size of the sub-screen
Subscreen Position	Adjusts the location where the sub-screen is displayed
Swap Main/Sub	Switches the video source displayed on the main screen with the source displayed on the sub-screen

Setting	Description
Exit Picture in Picture	Closes the sub-screen and resumes normal projection

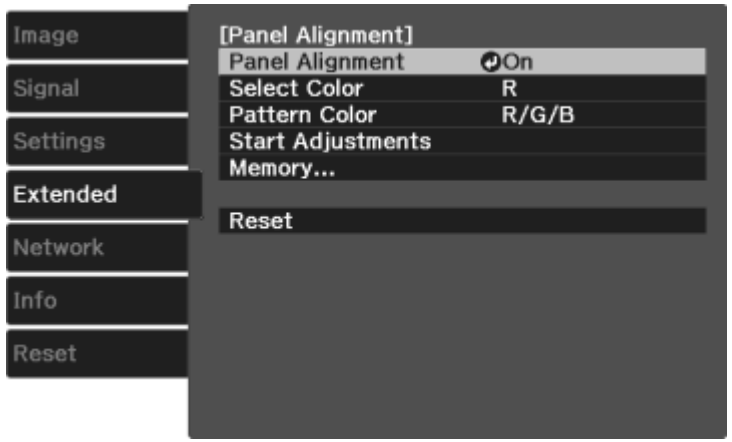
Parent topic: Using Picture in Picture

Adjusting the Color Convergence (Panel Alignment)

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

Note: Allow your projector to warm up for at least 10 to 15 minutes and make sure the image is in focus before you use the Panel Alignment feature. The projected image should be a minimum of 60 inches (152 cm) diagonally and the projection surface should not be colored or textured, otherwise the adjustment grids will be difficult to align.

1. Turn on the projector.
2. Press the **Menu** button.
3. Select the **Settings** menu and press **Enter**.
4. Select the **Panel Alignment** setting and press **Enter**.



5. Select the **Panel Alignment** setting and press **Enter**.
6. Select **On** and press **Enter**.

7. 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.

   Note: You can only adjust the red or blue color convergence. Green is the standard color panel and cannot be adjusted.

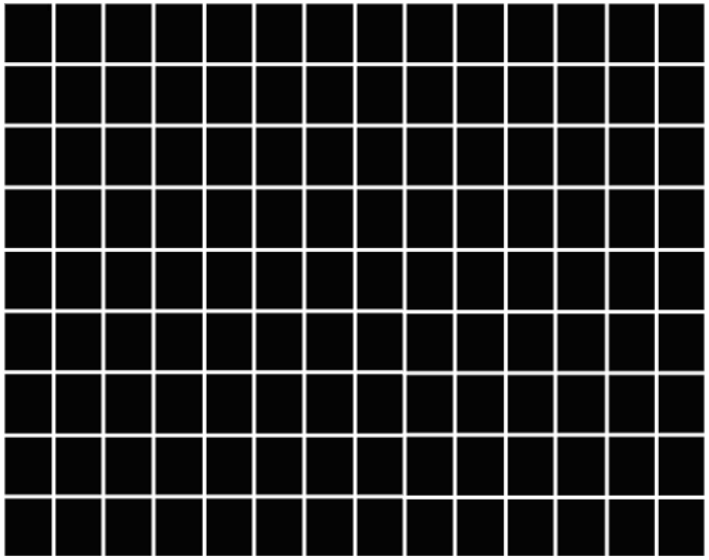
8. Select the **Pattern Color** setting and press **Enter**.
9. Select the pattern you want to use and press **Enter**.
10. Select **Start Adjustments** and press **Enter**.

    You see this screen:



11. Press **Enter**.

You see a screen like this:

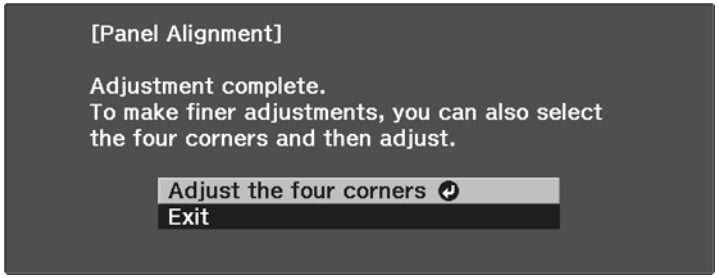


12. Use the arrow buttons on the remote control to adjust the color alignment of the color you selected for the **Select Color** setting.

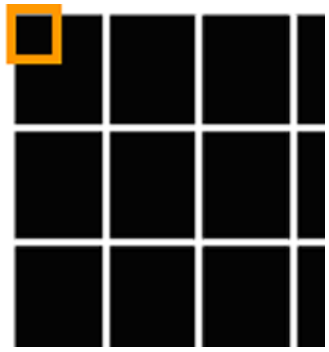
    Note: Your adjustments affect the gridlines in the entire screen. You can fine-tune your adjustments by continuing with the next steps.

13. When you are finished adjusting the screen, press **Enter**.

    You see this screen:

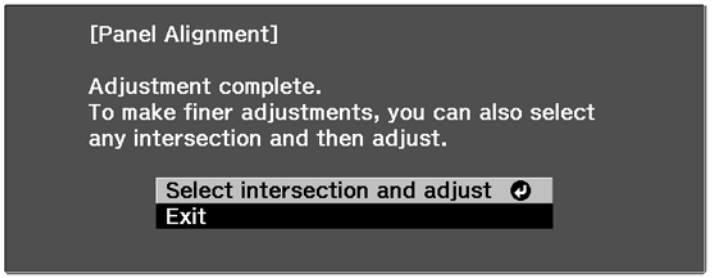


14. Select **Adjust the four corners** and press **Enter**.
15. Use the arrow buttons on the remote control to adjust the color alignment in the corner of the screen highlighted by the orange box.



16. Press the **Enter** button to move to the next corner of the screen.
17. When you are finished adjusting each corner of the screen, press **Enter**.

    You see this screen:



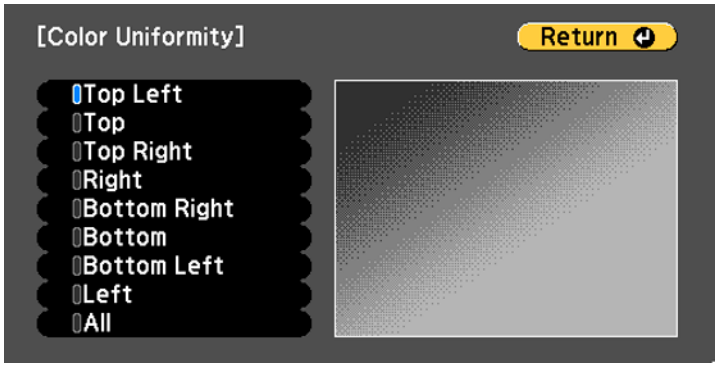
18. Do one of the following:
    - If your projector's panel alignment is now correct, select **Exit** and press **Enter** to return to the Panel Alignment menu.
    - If your projector needs additional panel alignment, select **Select intersection and adjust** and press **Enter**. Use the arrow keys on the remote control to highlight the corner of any box on the screen that is misaligned and press **Enter** to adjust the color convergence. Repeat this step as necessary.

Parent topic: Adjusting Projector 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**.
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, then press **Esc**.
9. Select the **Start Adjustments** setting and press **Enter**.



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

Parent topic: 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:

- Button lock security to block operation of the projector using the buttons on the control panel.
- Security cabling to physically cable the projector in place.

Locking the Projector's Buttons
Installing a Security Cable

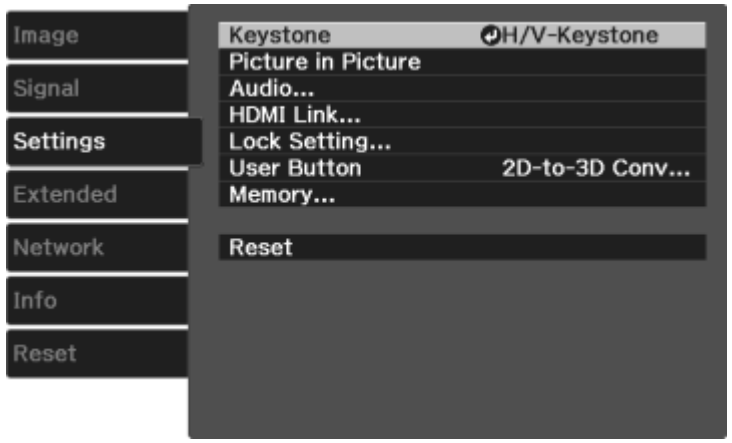
Parent topic: Adjusting Projector Features

Locking the Projector's Buttons

You can lock the buttons on the projector's control panel to prevent anyone from using the projector.

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

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



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

4. Select one of these lock types and press **Enter**:
   - To lock the projector's power button, select **Child Lock**. To turn the projector on, you must press the power button for longer than three seconds.

     Note: Child Lock does not prevent the projector from turning on when the power cord is connected if the **Direct Power On Setting** is set to **On**.

   - To lock all buttons except the power button, select **Control Panel Lock** > **Partial Lock**.

     Note: The lock icon 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**.

Unlocking the Projector's Buttons

Parent topic: Projector Security Features

Related references

Projector Feature Settings - Settings Menu

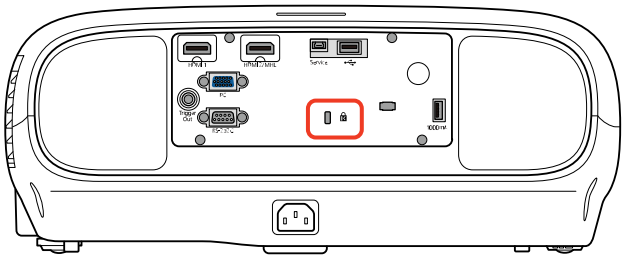
Unlocking the Projector's Buttons

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

Parent topic: Locking the Projector's Buttons

Installing a Security Cable

You can use the security slot on the back of the projector to attach a Kensington lock. See your local computer or electronics dealer for purchase information.



Parent topic: Projector Security Features

Saving Settings to Memory and Using Saved Settings

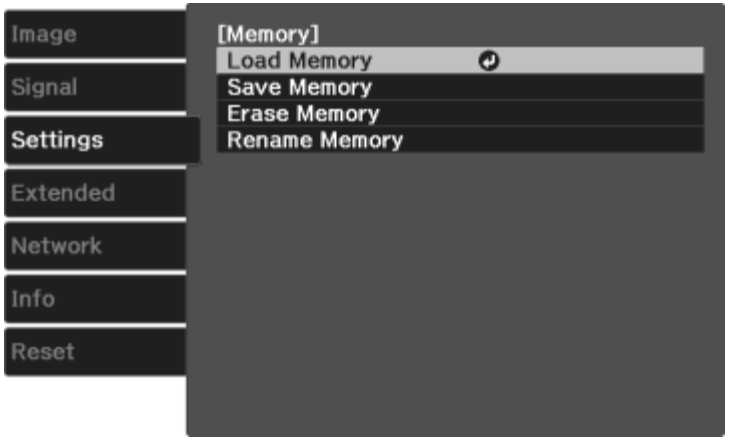
You can save customized settings for each of your video inputs and then select the saved settings whenever you want to use them.

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

   Note: You can also press the **Memory** button on the remote control to access the Memory menu directly.

3. Select the **Settings** menu and press **Enter**.
4. Select the **Memory** setting and press **Enter**.

   You see this screen:



5. Select one of the following options:
   - **Load Memory**: Overwrites your current settings with saved settings
   - **Save Memory**: Saves your current settings to memory (10 memories with different names are available)

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

Note: You can not save memory settings when **Auto** is the selected **Color Mode**.

- **Erase Memory**: Erases the selected memory settings
- **Rename Memory**: Renames a saved memory

6. Press **Esc** to exit.

Parent topic: Adjusting Projector Features

Adjusting the Menu Settings

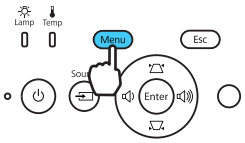
Follow the instructions in these sections to access the projector menu system and change projector settings.

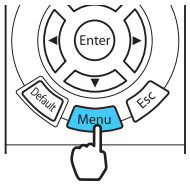
Using the Projector's Menus
Image Quality Settings - Image Menu
Input Signal Settings - Signal Menu
Projector Feature Settings - Settings Menu
Projector Setup Settings - Extended Menu
Projector Network Settings - Network Menu
Projector Information Display - Info Menu
Projector Reset Options - Reset Menu

Using the Projector's Menus

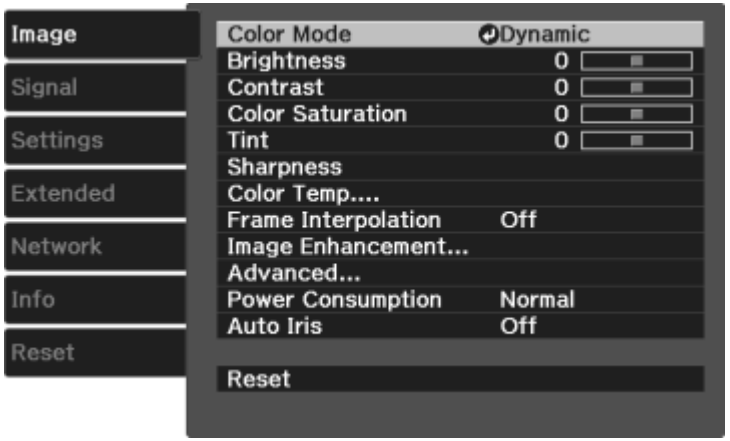
You can use the projector's menus to adjust the settings that control how your projector works. The projector displays the menus on the screen.

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





You see the menu screen displaying the Image menu settings.



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

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

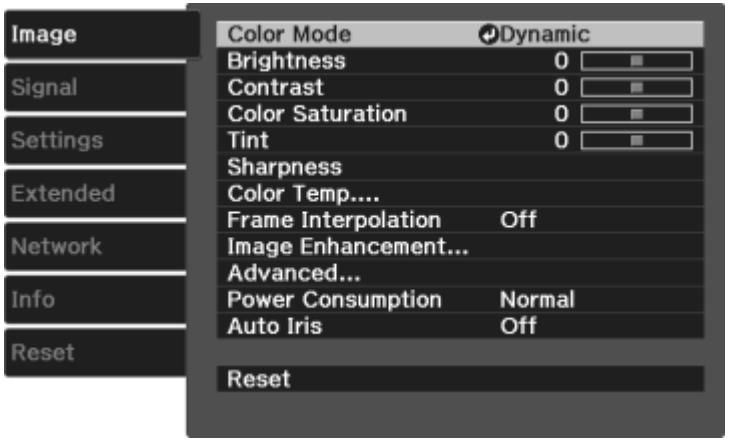
3. To change settings in the displayed menu, press **Enter**.
4. Press the up or down arrow button to move through the settings.
5. Change the settings using the buttons listed on the bottom of the menu screens.
6. To return all the menu settings to their default values, select **Reset**.
7. When you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

Parent topic: Adjusting the Menu Settings

Image Quality Settings - Image Menu

Settings on the Image menu let you adjust the quality of your image for the input source you are currently using.

Note: 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
Sharpness	**Standard** **High-band Enhancement** **Low-band Enhancement**	Adjusts the sharpness or softness of image details

Setting	Options	Description
Color Temp. (color temperature)	**Color Temp.** **Skin Tone** **Customized**	**Color Temp.**: sets the overall color tone; higher values tint the image blue and lower values tint the image red **Skin Tone**: makes fine adjustments to the color tone; higher values tint the image green and lower values tint the image red **Customized**: adjusts the offset and gain for each RGB color
Frame Interpolation	**Off** **Low** **Normal** **High**	Adjusts the smoothness of movement in the image

Setting	Options	Description
Image Enhancement	**Image Preset Mode** **Noise Reduction** **MPEG Noise Reduction** **Super-resolution** **Detail Enhancement**	**Image Preset Mode**: selects one of five preset groups of settings for the next image enhancement options **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 • **Fine Line Adjustment**: enhances the contrast and outlines of complicated images • **Soft Focus Detail**: enhances the contrast and outlines of smooth backgrounds **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 **Note: Range** and **Strength** options vary based on the **Image Preset Mode** setting.

Setting	Options	Description
Advanced	**Gamma** **RGBCMY** **Deinterlacing** **EPSON Super White**	Selects various detailed color settings **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 **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 **EPSON Super White**: reduces over-exposure of whites in your image
Power Consumption	**High** **Medium** **ECO**	Selects the brightness mode of the projector lamp **High**: sets maximum lamp brightness **Medium**: reduces the brightness of the lamp **ECO**: reduces lamp brightness and fan noise, and saves power and lamp life

Setting	Options	Description
Auto Iris	**Off** **Normal** **High Speed**	Adjusts the projected luminance based on the image brightness when certain Color Modes are selected

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

Parent topic: Adjusting the Menu Settings

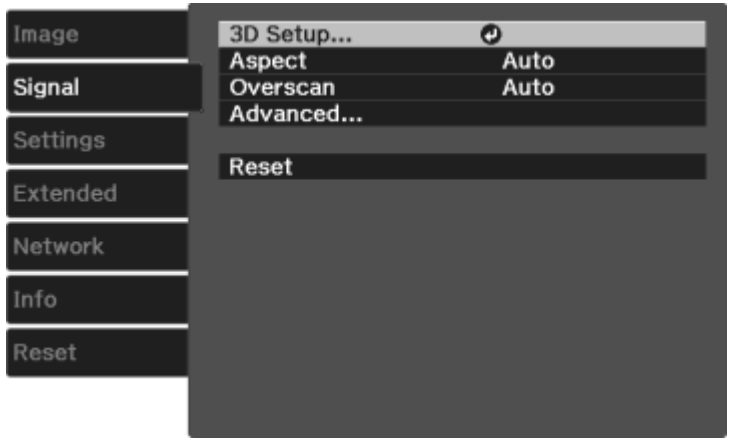
Related references

Available Color Modes

Input Signal Settings - Signal Menu

Normally the projector detects and optimizes the input signal settings automatically. If you need to customize the settings, you can use the Signal menu.

Note: The available settings depend on the currently selected input source. You cannot change the **Signal** menu settings when the **LAN** source is selected.



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

Setting	Options	Description
3D Setup	**3D Display** **3D Format** **2D-to-3D Conversion** **3D Depth** **Diagonal Screen Size** **3D Brightness** **Inverse 3D Glasses** **3D Viewing Notice**	Selects various 3D options **3D Display**: enables 3D mode **3D Format**: selects the 3D format **2D-to-3D Conversion**: converts 2D images to 3D **3D Depth**: sets the depth for the 3D image **Diagonal Screen Size**: selects the actual size of the screen to maximize the 3D effect **3D Brightness**: adjusts the brightness of the 3D image **Inverse 3D Glasses**: reverses the images projected for the left and right eyes (enable only if 3D images do not display correctly) **3D Viewing Notice**: enables the viewing notice displayed when using 3D mode
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 computer images from the PC input port
Sync.	Varying levels available	Adjusts signal to eliminate fuzziness or flickering in computer images from the PC input port
Position	Up, down, left, right	Adjusts the image location on the screen

Setting	Options	Description
Auto Setup	**On** **Off**	Automatically optimizes computer image quality
Overscan	**Auto** **Off** **4%** **8%**	Changes the projected image ratio to make the edges visible by a selectable percentage or automatically
Advanced	**HDMI Video Range** **Image Processing**	**HDMI Video Range**: sets the video range to match the setting of the device connected to the HDMI input port **Image Processing**: adjusts how images are processed; select **Fast** to display images quicker; select **Fine** to display images in higher quality

Parent topic: Adjusting the Menu Settings

Related concepts

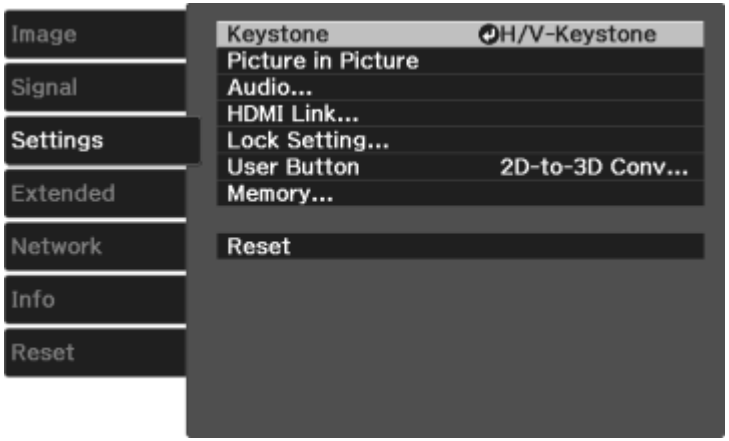
Image Aspect Ratio

Related tasks

Viewing 3D Images

Projector Feature Settings - Settings Menu

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



Setting	Options	Description
Keystone	**H/V-Keystone** **Quick Corner**	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
Picture in Picture	See the list of available Picture in Picture options	Adjusts the size and location of the sub-screen, swaps sources and exits Picture in Picture mode

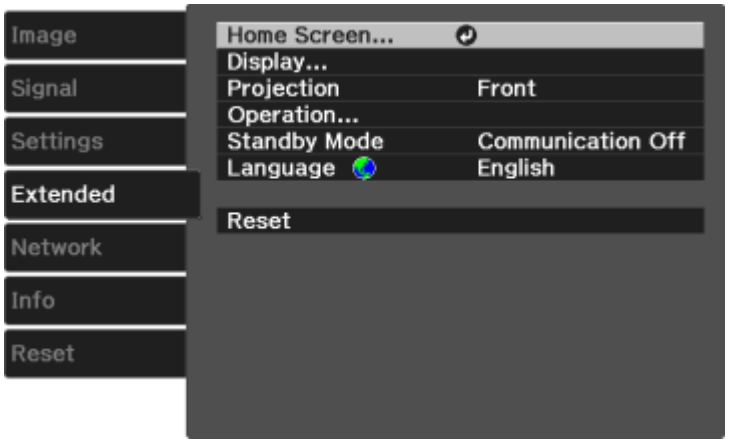
Setting	Options	Description
HDMI Link	**Device Connections** **HDMI Link** **Audio Out Device** **Power On Link** **Power Off Link** **Link Buffer**	Adjusts the HDMI Link options that allow the projector remote to control HDMI-connected devices that support the CEC standard **Device Connections**: lists the devices connected to the **HDMI1** and **HDMI2/MHL** ports **HDMI Link**: enables or disables the HDMI Link function **Audio Out Device**: selects which port outputs audio **Power On Link**: controls what happens when you turn on the projector or a linked device • **PJ -> Device** or **Bidirectional**: turns on the linked device when the projector is turned on • **Device -> PJ** or **Bidirectional**: turns on the projector when the linked device is turned on **Power Off Link**: controls whether linked devices are turned off when the projector is turned off **Link Buffer**: improves weak HDMI Link connections

Setting	Options	Description
Lock Setting	**Child Lock** **Control Panel Lock**	Controls control panel button locking to secure the projector **Child Lock**: locks the power button when the projector is off **Control Panel Lock**: • **Full Lock**: locks all buttons • **Partial Lock**: locks all buttons except the power button • **Off**: no buttons locked
User Button	**2D-to-3D Conversion** **Power Consumption** **Info**	Assigns a menu option to the **User** button on the remote control for one-touch access
Memory	**Load Memory** **Save Memory** **Erase Memory** **Rename Memory**	Controls the saved projector settings and lens positions **Load Memory**: displays the list of customized settings entries that you have created **Save Memory**: saves the current projector settings to the projector's memory **Erase Memory**: lets you delete a saved memory **Rename Memory**: lets you rename a saved memory using 9 predetermined name types or up to 12 characters in a customized name

Parent topic: Adjusting the Menu Settings

Projector Setup Settings - Extended Menu

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



Setting	Options	Description
Home Screen	**Home Screen Auto Disp.** **Custom Function 1** **Custom Function 2**	Adjust settings on the Home Screen **Home Screen Auto Disp.**: controls whether the Home screen displays automatically when the projector is turned on **Custom Function 1** / **Custom Function 2**: let you customize the options displayed on the Home screen and save your settings as a preset
Display	—	See the **Display** settings table in this topic

Setting	Options	Description
Projection	**Front** **Front/Ceiling** **Rear** **Rear/Ceiling**	Selects the way the projector faces the screen so the image is oriented correctly
Operation	—	See the **Operation** settings table in this topic
Standby Mode	**Communication Off** **Communication On**	Indicates whether the projector can be monitored over a network connection while in standby mode
Language	Various languages available	Selects the language for projector menu and message displays (not changed by **Reset** option)

Display settings

Setting	Description
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
Panel Alignment	Corrects color misalignment in the projected image
Color Uniformity	Adjusts the color tone balance

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)
Illumination	Turns off the status light on the projector
Trigger Out	Outputs a DC 12V signal from the 3.5 mm mini-jack **Trigger Out** port whenever the projector is turned on
High Altitude Mode	Regulates the projector's operating temperature at altitudes above 4921 feet (1500 m)

Note: If you select **Anamorphic Wide** as the Trigger Out setting, voltage is only output from the **Trigger out** port when the **Aspect** setting is set to **Anamorphic Wide** or **Horiz. Squeeze**.

Note: The **Reset** setting does not reset the **Memory**, **Projection**, **High Altitude Mode**, **Standby Mode** or **Language** settings.

Parent topic: Adjusting the Menu Settings

Related concepts

Projection Modes

Related references

Available Image Aspect Ratios

Related tasks

Using the Home Screen

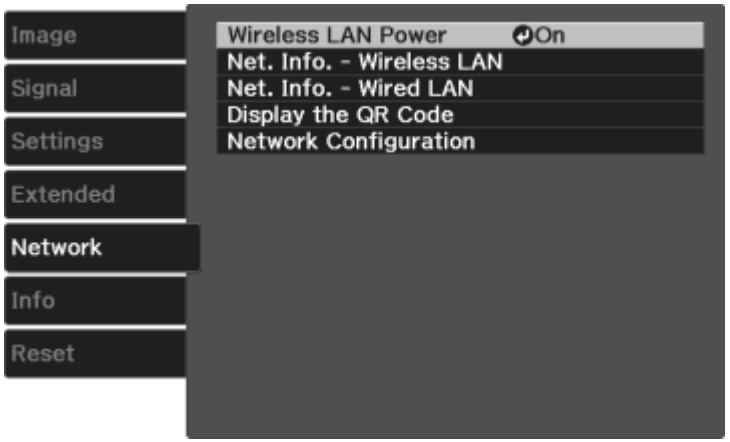
Adjusting the Color Convergence (Panel Alignment)

Using Picture in Picture

Selecting External Network Detection Settings

Projector Network Settings - Network Menu

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



Setting	Options	Description
Wireless LAN Power	**On** **Off**	Enable or disable wireless communication
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**	Displays wireless network status and details

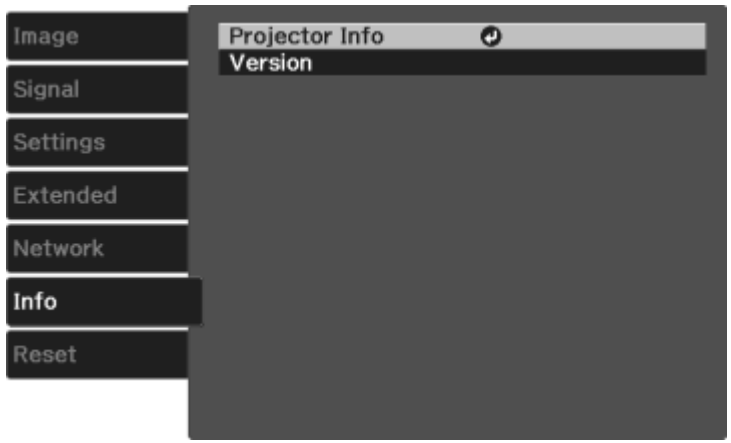
Setting	Options	Description
Net. Info - Wired LAN	**Projector Name** **DHCP** **IP Address** **Subnet Mask** **Gateway Address** **MAC Address**	Displays wired network status and details
Display the QR Code	—	Displays the QR Code
Network Configuration	Accesses additional network menus	Configures your network settings

Parent topic: Adjusting the Menu Settings

Projector Information Display - Info Menu

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

Note: To view the firmware version of the projector or other components, select **Version**.



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

Projector Info information

Information item	Description
Lamp Hours	Displays the number of hours (**H**) the lamp has been used
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
Scan Mode	Displays the scan mode of the current input source
Refresh Rate	Displays the refresh rate of the current input source
3D Format	Displays the 3D format of the current input source
Sync Info	Displays information that may be needed by a service technician
Color Depth	Displays the color depth and color difference
Status	Displays information about projector problems that may be needed by a service technician
Serial Number	Displays the projector's serial number
Event ID	Displays the Event ID number corresponding to a specific projector problem; see the list of Event ID codes

Version information

Information item	Description
Main	Displays the firmware version of the projector
Video	

Event ID Code List

Parent topic: Adjusting the Menu Settings

Related tasks

Replacing the Lamp

Resetting the Lamp Timer

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
0022	Unstable network communication. Check the network communication status, wait a few moments, and try connecting to the network again.
0027	
0028	
0029	
0030	
0031	
0035	
0434	
0481	
0482	
0485	
0432	Turn the projector off and then on again.
0435	
0433	Cannot display the transferred images. Restart the network software.
0484	Communication with computer was disconnected. Restart the network software.
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.

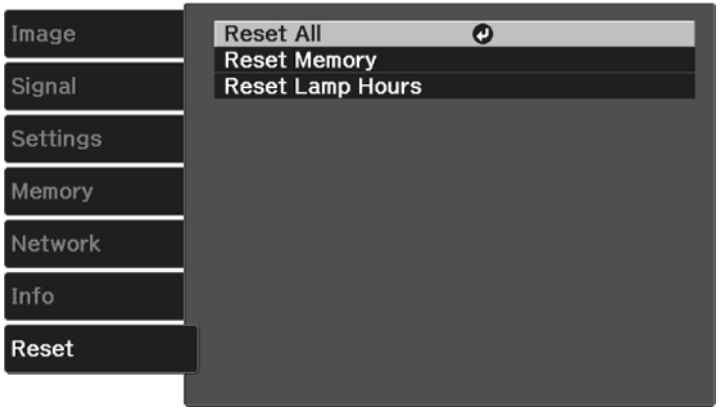
Event ID code	Cause and solution
0894	Communication with unauthorized access point was disconnected. Contact your network administrator.
0898	Failed to acquire DHCP. Make sure the DHCP server is operating correctly. If you are not using DHCP, turn off the **DHCP** setting in the Network menus.
0020	Communication error. Turn the projector off and then on again.
0026	
0032	
0036	
0037	
0038	
0899	

Parent topic: Projector Information Display - Info Menu

Projector Reset Options - Reset Menu

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

You can reset the projector's lamp usage timer to zero when you replace the lamp using the **Reset Lamp Hours** option and you can also reset all memory entries using the **Reset Memory** option.



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

- Language
- Lamp Hours
- Memory settings
- All settings in the Network menu
- Panel Alignment
- Color Uniformity

Parent topic: Adjusting the Menu Settings

Maintaining and Transporting the Projector

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

Projector Maintenance
Transporting the Projector

Projector Maintenance

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

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

The only parts you should replace are the lamp, air filter, and remote control batteries. If any other part needs replacing, contact Epson or an authorized Epson servicer.

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

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

Cleaning the Lens
Cleaning the Projector Case
Cleaning the 3D Glasses
Air Filter and Vent Maintenance
Projector Lamp Maintenance
Replacing the Remote Control Batteries

Parent topic: Maintaining and Transporting the Projector

Cleaning the Lens

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

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

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

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

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

Parent topic: Projector Maintenance

Cleaning the Projector Case

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

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

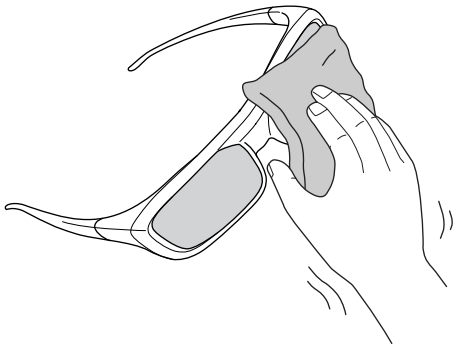
  Caution: Do not use wax, alcohol, benzine, paint thinner, or other chemicals to clean the projector case. These can damage the case. Do not use canned air, or the gases may leave a residue.

Parent topic: Projector Maintenance

Cleaning the 3D Glasses

To remove dust, dirt, smudges, or fingerprints from the glasses, use a soft, dry, lint-free cloth.

Note: Unplug any charging cables from the glasses before cleaning them.



Caution: Do not use paper towels or any other abrasive materials to clean the glasses.

Parent topic: Projector Maintenance

Air Filter and Vent Maintenance

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

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

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

Cleaning the Air Filter

Replacing the Air Filter

Parent topic: Projector Maintenance

Related references

Projector Light Status

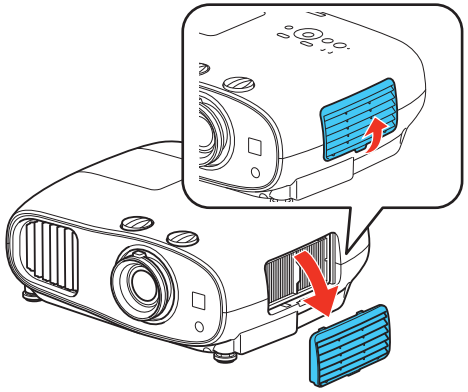
Cleaning the Air Filter

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

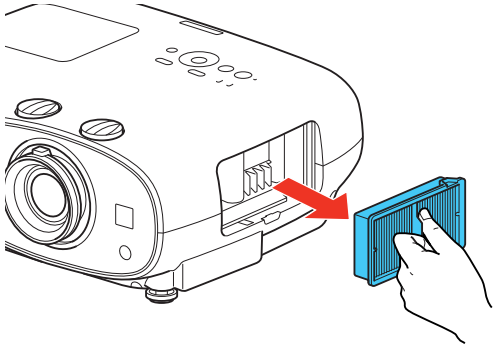
- The filter or vents get dusty.

- You see a message telling you to clean it.

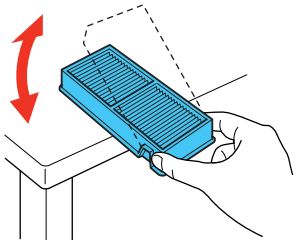
1. Turn off the projector and unplug the power cord.
2. Lift the tab on the bottom of the air filter cover and pull down to remove the cover.



3. Pull the air filter out of the projector.

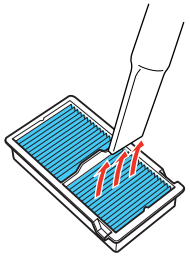


4. Tap each side of the air filter 4 to 5 times to shake off any excess dust.



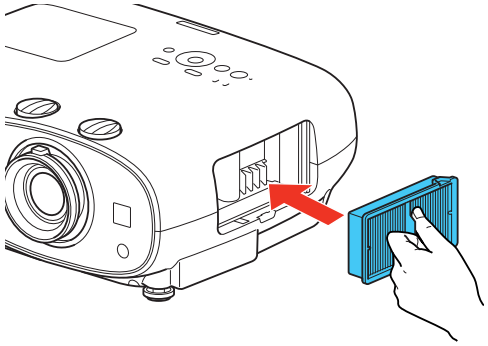
Caution: Do not use excessive force when tapping the air filter, or it may crack and become unusable. Do not rinse the air filter in water, or use any detergent or solvent to clean it. Do not use canned air; the gases may leave a residue, or push dust and debris into the projector's optics or other sensitive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

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

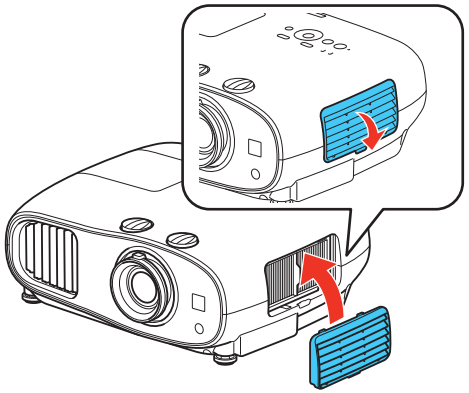


Note: If dust is difficult to remove or the air filter is damaged, replace the air filter.

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



7. Attach the air filter cover as shown, and press it gently until it clicks into place.



Parent topic: Air Filter and Vent Maintenance

Related tasks

Replacing the Air Filter

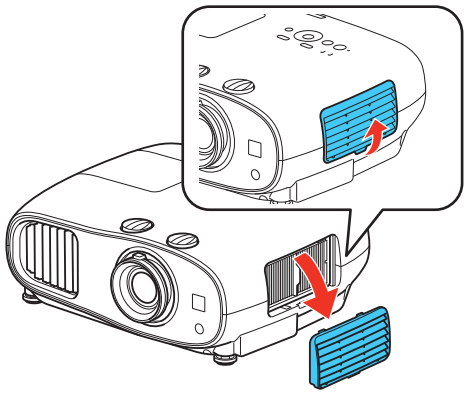
Replacing the Air Filter

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

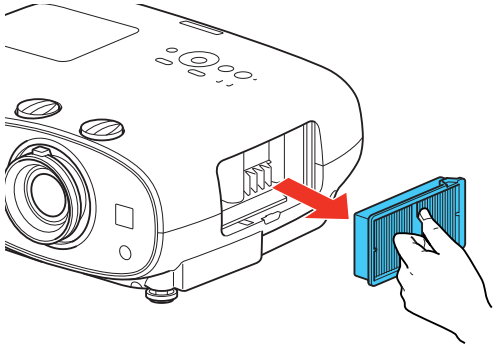
- After cleaning the air filter, you see a message telling you to clean or replace it
- The air filter is torn or damaged

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

1. Turn off the projector and unplug the power cord.
2. Lift the tab on the bottom of the air filter cover and pull down to remove the cover.

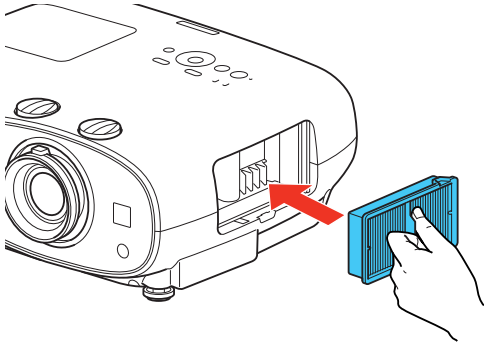


3. Pull the air filter out of the projector.

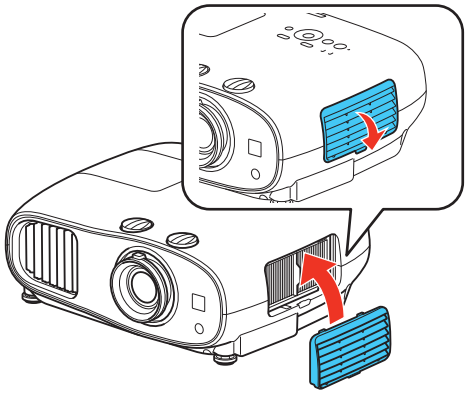


Note: Air filters contain polypropylene. Dispose of used air filters according to local regulations.

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



5. Attach the air filter cover as shown, and press it gently until it clicks into place.



Parent topic: Air Filter and Vent Maintenance

Projector Lamp Maintenance

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

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

- The projected image gets darker or starts to deteriorate

- A message appears when you turn on the projector telling you to replace the lamp
- The projector's Lamp light is flashing orange and its power light is flashing blue

Replacing the Lamp
Resetting the Lamp Timer

Parent topic: Projector Maintenance

Related references

Optional Equipment and Replacement Parts
Projector Information Display - Info Menu
Projector Lamp Specifications

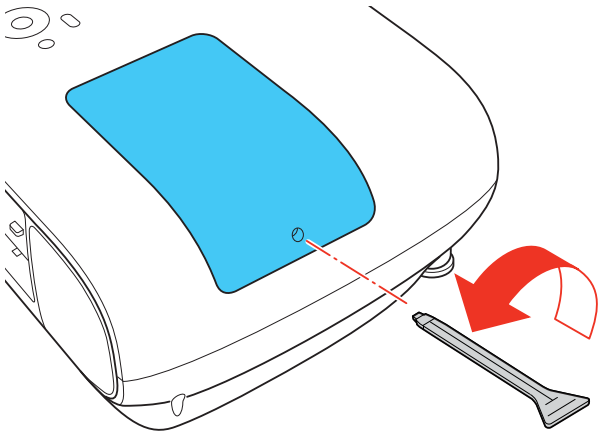
Replacing the Lamp

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

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

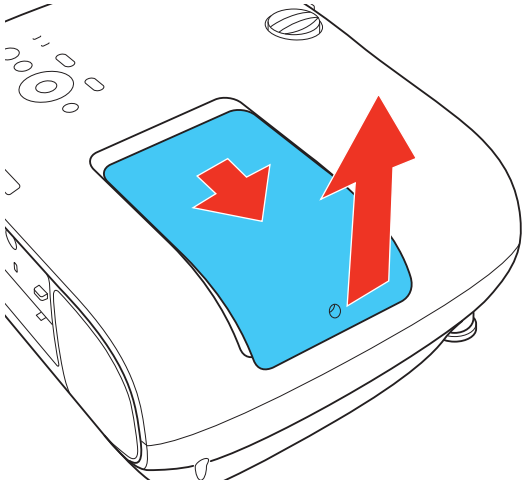
You can replace the lamp while the projector is mounted to the ceiling, if necessary.

1. Turn off the projector and unplug the power cord.
2. Allow the projector lamp to cool down for at least one hour.
3. Use the screwdriver included with the replacement lamp to loosen the screw securing the lamp cover.

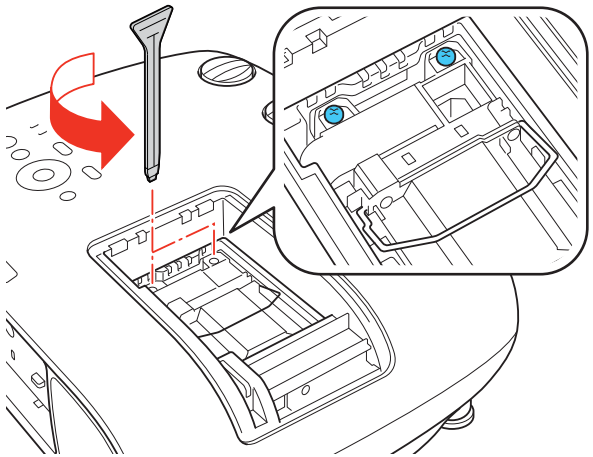


Warning: If the lamp is broken, glass fragments may be loose inside the lamp chamber. Be careful removing any broken glass to avoid injury. If the projector is installed on the ceiling, stand to the side of the lamp cover and not underneath it; pieces of glass could fall into your eyes or mouth when you open the lamp cover.

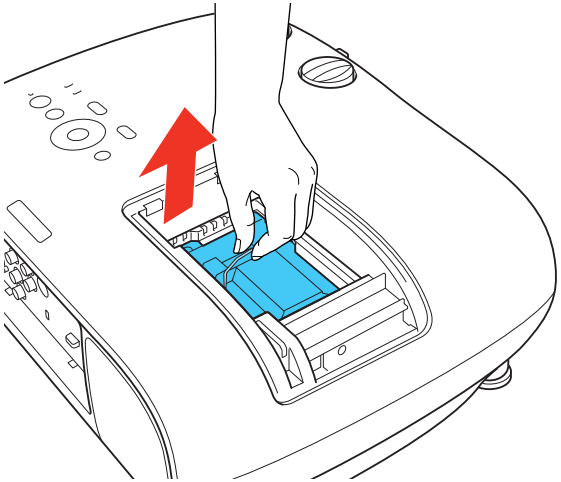
4. Slide the lamp cover out and lift it off.



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

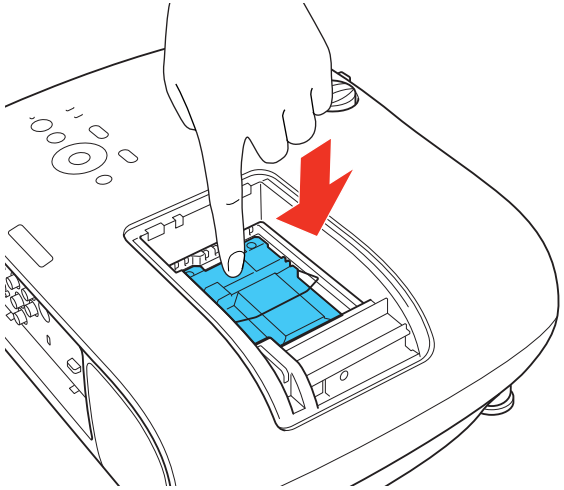


6. Lift up the lamp handle and gently pull the lamp out of the projector.



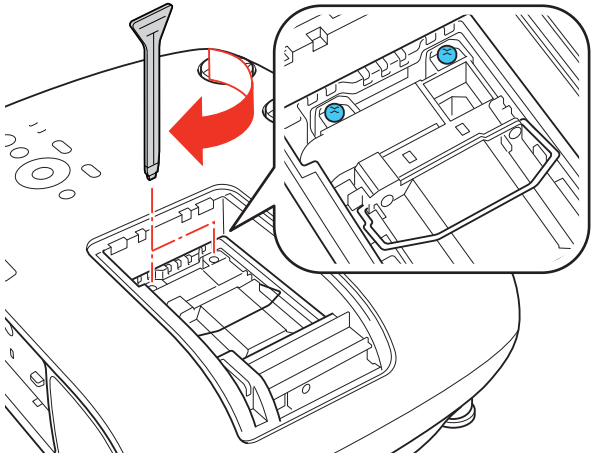
Note: Ⓗg The lamp(s) in this product contain mercury. Please consult your state and local regulations regarding disposal or recycling. Do not put in the trash.

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



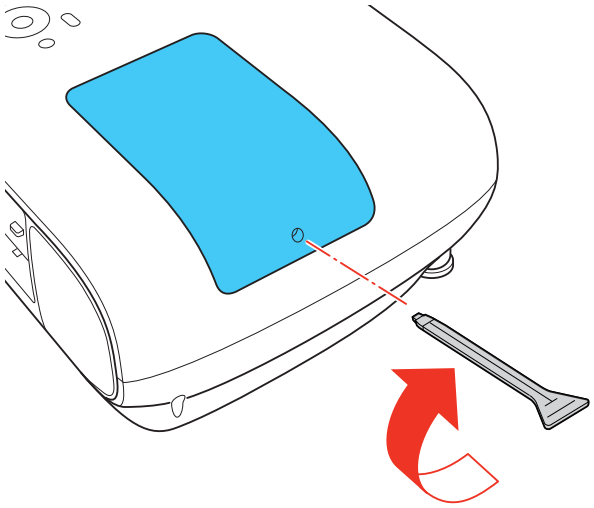
Caution: Do not touch any glass on the lamp assembly to avoid premature lamp failure.

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



Caution: Do not over-tighten the screws.

9. Replace the lamp cover and tighten the screw to secure it.



Note: Be sure the lamp cover is securely installed or the lamp will not come on.

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

Parent topic: Projector Lamp Maintenance

Related tasks

Resetting the Lamp Timer

Resetting the Lamp Timer

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

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

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

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



4. Select **Reset Lamp Hours** and press **Enter**.

   You see a prompt asking if you want to reset the lamp hours.
5. Select **Yes** and press **Enter**.
6. Press **Menu** or **Esc** to exit the menus.

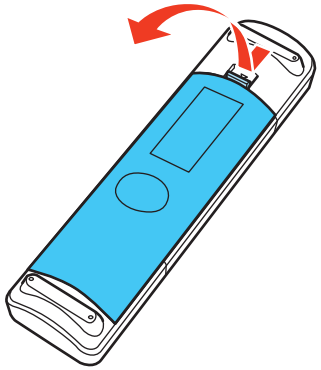
Parent topic: Projector Lamp Maintenance

Replacing the Remote Control Batteries

The remote control uses two AA manganese or alkaline batteries. Replace the batteries as soon as they run out.

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

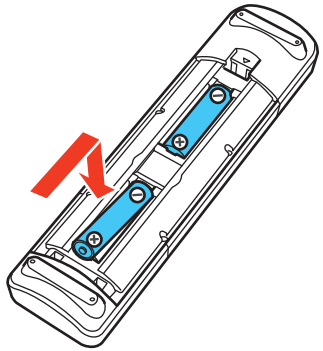
1. Remove the battery cover as shown.



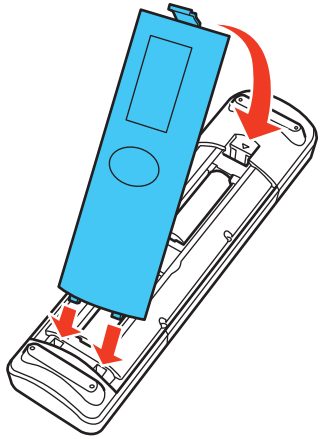
2. Remove the old batteries.

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

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



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



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

Parent topic: Projector Maintenance

Related references

Remote Control Specifications

Transporting the Projector

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

- Attach the lens cap to protect the lens.
- Remove any equipment connected to the projector.
- Center the lens position using the vertical and horizontal lens shift dials.
- Attach the protective lens pad that was included with the projector.
- When transporting the projector a long distance or as checked luggage, pack it in a firm box with cushioning around it and mark the box "Fragile."
- When shipping the projector for repairs, place it in its original packing materials, if possible, or use equivalent materials with cushioning around the projector. Mark the box "Fragile."

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

Parent topic: Maintaining and Transporting the Projector

Related tasks

Turning Off the Projector

Solving Problems

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

Projection Problem Tips
Projector Light Status
Solving Image or Sound Problems
Solving Projector or Remote Control Operation Problems
Solutions When Wireless Authentication Fails
Where to Get Help

Projection Problem Tips

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

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

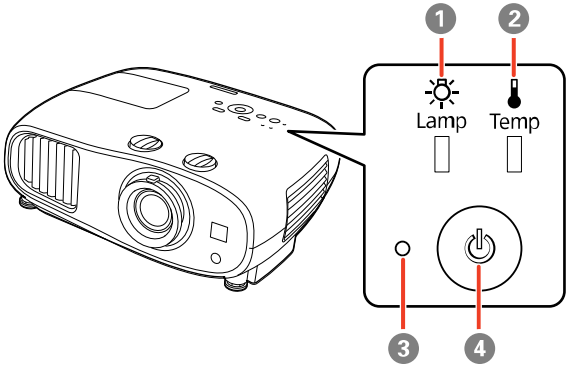
- The lights on the projector may indicate what the problem is.
- The solutions in this manual can help you solve many problems.

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

Parent topic: Solving Problems

Projector Light Status

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



1 Lamp light

2 Temp light

3 Status light

4 Power light

Status light	Power light	Lamp light	Temp light	Status and solution
Blue	Blue	Off	Off	Normal operation
Blue	Flashing blue	Off	Off	Warming up; wait for an image to appear
				Shutting down; when the status light stops flashing, you can unplug the projector
Off	Off	Off	Off	Standby or sleep mode
Blue	Blue	Off	Flashing orange	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
Flashing blue	Off	Off	Orange	Projector has overheated and turned off; leave it turned off to cool down for about five minutes, then do the following: • Make sure that the vents and air filter are not clogged with dust or obstructed by nearby objects • Clean or replace the air filter • If operating the projector at high altitude, turn on **High Altitude Mode** • If the problem persists, unplug the projector and contact Epson for help

Status light	Power light	Lamp light	Temp light	Status and solution
Flashing blue	Off	Orange	Off	Lamp has a problem • Check the Lamp Hours in the **Info** menu to see if the lamp is burned out. Unplug the projector, wait for the lamp to cool down, and check if it is broken or installed incorrectly; reseat or replace the lamp as necessary • Clean or replace the air filter • Make sure the lamp cover is closed • If operating the projector at high altitude, turn on **High Altitude Mode** • If the problem persists, unplug the projector and contact Epson for help
Blue	Blue	Flashing orange	Off	Replace the lamp soon to avoid damage; do not continue using the projector
Flashing blue	Off	Off	Flashing orange	A fan or sensor has a problem; turn the projector off, unplug it, and contact Epson for help
Flashing blue	Off	Flashing orange	Flashing orange	Auto Iris error; turn the projector off, unplug it, and contact Epson for help
Flashing blue	Off	Orange	Orange	Power error; turn the projector off, unplug it, and contact Epson for help
Flashing blue	Off	Flashing orange	Off	Internal projector error; turn the projector off, unplug it, and contact Epson for help

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

Parent topic: Solving Problems

Related references

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

Related tasks

Unlocking the Projector's Buttons

Solving Image or Sound Problems

Check the solutions in these sections if you have any problems with projected images or sound.

Solutions When No Image Appears
Solutions When "No Signal" Message Appears
Solutions When "Not Supported" Message Appears
Solutions When Only a Partial Image Appears
Solutions When the Image is Not Rectangular
Solutions When the Image Contains Noise or Static
Solutions When the Image is Fuzzy or Blurry
Solutions When the Image Brightness or Colors are Incorrect
Solutions When a 3D Image Does Not Display Correctly
Solutions to Panel Alignment Problems
Solutions to Sound Problems

Parent topic: Solving Problems

Solutions When No Image Appears

If no image appears, try the following solutions:

- Make sure the lens cap is off.
- Press the **A/V Mute** button on the remote control to see if the image was temporarily turned off.
- Make sure all necessary cables are securely connected and the power is on for the projector and connected video sources.
- Press the projector's power button to wake it from standby or sleep mode. Also see if your connected computer is in sleep mode or displaying a blank screen saver.
- Press the **Menu** button. If the projector menu is able to display, there may be a problem with the connected video source, cable connection, or port.
- Check the settings on the Signal menu to make sure they are correct for the current video source.
- Adjust the **Brightness** setting or select the **High** Power Consumption setting.
- Check the **Display** setting to make sure **Messages** is set to **On**.

- If the projector does not respond when you press the control panel buttons, the buttons may be locked. Unlock the buttons.
- For images projected with Windows Media Center, reduce the screen size from full screen mode.
- For images projected from applications using Windows DirectX, turn off DirectX functions.
- If the other solutions do not solve the problem, reset all of the projector settings using the options on the **Reset** menu.

Parent topic: Solving Image or Sound Problems

Solutions When "No Signal" Message Appears

If the "No Signal" message appears, try the following solutions:

- Press a source button on the remote to select an available source. Wait a few seconds for an image to appear.
- Press the **Home** button on the remote control to select from a list of available sources (shown in black text).
- 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.
- If the other solutions do not solve the problem, reset all of the projector settings using the options on the **Reset** menu.

Displaying From a PC Laptop
Displaying From a Mac Laptop

Parent topic: Solving Image or Sound Problems

Related concepts
Projector Connections

Displaying From a PC Laptop

If you see the "No Signal" message when you display from a PC laptop, you need to set up the laptop to display on an external monitor.

1. Hold down the laptop's **Fn** key and press the key labeled with a monitor icon or **CRT/LCD**. (See your laptop manual for details.) Wait a few seconds for an image to appear.

2. To display on both the laptop's monitor and the projector, try pressing the same keys again.
3. If the same image is not displayed by the laptop and projector, check the Windows **Display** utility to make sure the external monitor port is enabled and extended desktop mode is disabled. (See your computer or Windows manual for instructions.)
4. If necessary, check your video card settings and set the multiple display option to **Mirror** or **Duplicate**.

Parent topic: Solutions When "No Signal" Message Appears

Displaying From a Mac Laptop

If you see the "No Signal" message when you display from a Mac laptop, you need to set up the laptop for mirrored display. (See your laptop manual for details.)

1. Open the **System Preferences** utility and select **Displays**.
2. Click the **Arrangement** tab.
3. Select the **Mirror Displays** checkbox.

Parent topic: Solutions When "No Signal" Message Appears

Solutions When "Not Supported" Message Appears

If the "Not Supported" message appears, try the following solutions:

- Make sure the computer's display resolution does not exceed the projector's resolution and frequency limit. If necessary, select a different display resolution for your computer. (See your computer manual for details.)
- As a test, try setting the computer's display resolution to the lowest possible setting, and then gradually increase it as necessary.
- Check the input resolution under **Projector Info** in the **Info** menu and make sure that the projector supports that resolution.

Parent topic: Solving Image or Sound Problems

Related references

Input Signal Settings - Signal Menu

Projector Setup Settings - Extended Menu

Supported Video Display Formats

Solutions When Only a Partial Image Appears

If only a partial computer image appears, try the following solutions:

- Try adjusting the image position using the **Position** menu setting.
- Press the **Aspect** button on the remote control to select a different image aspect ratio.
- Check the cables connecting the computer or video source to the projector. Try connecting different cables.
- Check your computer display settings to disable dual display and set the resolution within the projector's limits. (See your computer manual for details.)
- Check the resolution assigned to your presentation files to see if they are created for a different resolution than you are projecting in. (See your software help for details.)

Parent topic: Solving Image or Sound Problems

Related references

Supported Video Display Formats

Input Signal Settings - Signal Menu

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.
- Before using the projector's keystone correction feature, make sure the projector lens is in the center-top position using the lens shift dials.
- If you adjusted the projector height using the projector feet, press the keystone buttons on the projector to adjust the image shape.
- Adjust the **Quick Corner** setting to correct the image shape.

Parent topic: Solving Image or Sound Problems

Related references

Projector Feature Settings - Settings Menu

Related tasks

Correcting Image Shape with the Keystone Buttons

Correcting Image Shape with Quick Corner

Solutions When the Image Contains Noise or Static

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

- Check the cables connecting your computer or video source to the projector. They should be:
  - Separated from the power cord to prevent interference
  - Securely connected at both ends
  - Not connected to an extension cable
  - No longer than 10 feet (3 m) for VGA/computer cables or 24 feet (7.3 m) for HDMI cables
- Check the settings on the projector's Signal menu to make sure they match the video source.If available for your video source, adjust the **Deinterlacing** and **Noise Reduction** settings.
- Select a computer video resolution and refresh rate that are compatible with the projector.
- If you are projecting from a computer, display a uniformly patterned image on the screen and manually adjust the **Tracking** and **Sync** settings.
- If you adjusted the image shape using the projector controls, try decreasing the **Sharpness** setting to improve image quality.
- If you connected an extension power cable, try projecting without it to see if it caused interference in the signal.
- Try a different cable.

Parent topic: Solving Image or Sound Problems

Related references

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

Solutions When the Image is Fuzzy or Blurry

If the projected image is fuzzy or blurry, try the following solutions:

- Adjust the image focus.
- Clean the projector lens.
- Check the lens for condensation.

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

- Position the projector close enough to the screen, and directly in front of it.
- Position the projector so the keystone adjustment angle is not so wide that it distorts the image.
- Adjust the **Sharpness** setting to improve image quality.
- If you are projecting from a computer, use a lower resolution.
- Check the resolution of your video source. If you are projecting from a standard definition video source, your image will not be as clear as an HD (720p/1080i/1080p) video source.
- Turn off any keystone correction and disable the **Quick Corner** setting.

Parent topic: Solving Image or Sound Problems

Related references

Projection Distance

Image Quality Settings - Image Menu

Related tasks

Focusing the Image Using the Focus Ring

Cleaning the Lens

Solutions When the Image Brightness or Colors are Incorrect

If the projected image is too dark or light, or the colors are incorrect, try the following solutions:

- Press the **Color Mode** button on the remote control to try different color modes for the image and environment.
- Check your video source settings.
- Adjust the available settings on the Image menu for the current input source, such as **Brightness**, **Contrast**, **Tint**, **Advanced**, and **Color Saturation**.
- Make sure all the cables are securely connected to the projector and your video device. If you connected long cables, try connecting shorter cables.
- If you are using the **ECO** Power Consumption setting, try selecting **High** in the projector's menus.
- Position the projector close enough to the screen.
- If the image has been progressively darkening, you may need to replace the projector lamp soon.

Parent topic: Solving Image or Sound Problems

Related references

Image Quality Settings - Image Menu

Projector Setup Settings - Extended Menu

Solutions When a 3D Image Does Not Display Correctly

If a 3D image does not display correctly, try the following solutions:

- Press the **2D/3D** button on the remote control to switch to 3D mode, if necessary. You can also activate 3D mode by setting the **3D Display** setting on the Signal menu to **On**.
- Make sure your video device and media are both 3D-compatible. Refer to the documentation that came with your video device for more information.
- Make sure you are using an HDMI cable that supports 3D signals.
- Make sure you selected the correct **3D Format** setting on the Signal menu. Normally this should be set to **Auto**, but in some cases you may need to select a different setting to match the 3D signal from your video device.
- Make sure you are using RF 3D active shutter glasses. You can purchase them from Epson.
- Make sure your 3D glasses are turned on and fully charged. If the glasses have entered standby mode, slide the power switch on the glasses to the **Off** position and then back to the **On** position.
- Make sure your 3D glasses are paired with the projector.
- Adjust the **3D Depth** setting on the Signal menu.
- Make sure you are within the 3D viewing range.
- Avoid using the projector near wireless networks, microwave ovens, 2.4 GHz cordless phones, or other devices that use the 2.4 GHz frequency band. These devices can interfere with the signal between the projector and the 3D glasses.
- If the other solutions do not solve the problem, change the **Inverse 3D Glasses** setting on the Signal menu. Return the setting to its original value if changing it does not solve the problem as it can adversely affect the 3D image.

Parent topic: Solving Image or Sound Problems

Related references

3D Viewing Range

Optional Equipment and Replacement Parts

Projector Feature Settings - Settings Menu

Related tasks

Pairing the 3D Glasses with the Projector
Charging the 3D Glasses
Cleaning the 3D Glasses

Solutions to Panel Alignment Problems

If the panel alignment does not result in a satisfactory picture, try the following solutions:

- Make sure the **Projection** setting matches the installation position.
- Make sure the projection surface is not colored or textured. Project on a white surface with no texture.
- Leave the projector on for 10 to 15 minutes before adjusting the panel alignment.
- The projected image size should be at least 60 inches (152 cm) during panel alignment.
- If the image contains too much magenta, adjust the red and blue panels.
- If the pattern lines look fuzzy or out of focus, adjust the focus before performing the panel alignment.

Parent topic: Solving Image or Sound Problems

Related references

Projection Distance

Related tasks

Focusing the Image Using the Focus Ring
Adjusting the Color Convergence (Panel Alignment)

Solutions to Sound Problems

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

- Adjust the projector's volume settings.
- Press the **A/V Mute** button on the remote control to resume video and audio if they were temporarily stopped.
- Check your computer or video source to make sure the volume is turned up and the audio output is set for the correct source.
- Check the audio cable connections between the projector and your video source.
- Make sure any connected audio cables are labeled "No Resistance".
- If you turn the projector on immediately after turning it off, the cooling fans may run at high speed momentarily and cause an unexpected noise. This is normal.

Parent topic: Solving Image or Sound Problems

Related references

Input Signal Settings - Signal Menu

Related tasks

Connecting to a Computer for HDMI Video

Solving Projector or Remote Control Operation Problems

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

Solutions to Projector Power or Shut-Off Problems

Solutions to Problems with the Remote Control

Solutions to Password Problems

Solutions When Using HDMI Link

Parent topic: Solving Problems

Solutions to Projector Power or Shut-Off Problems

If the projector does not come on when you press the power button or it shuts off unexpectedly, try the following solutions:

- Make sure the power cord is securely connected to the projector and to a working electrical outlet.
- The projector's buttons may be locked for security. Unlock the buttons or use the remote control to turn on the projector.
- If the projector's lamp shuts off unexpectedly, it may have entered standby mode after a period of inactivity. Press the power button to wake the projector and adjust the **Sleep Mode Timer** setting to change the sleep interval.
- If the power button on the remote control does not turn on the projector, check its batteries and make sure the **Remote Receiver** setting is turned on in the projector's menu, if available.
- The power cord may be defective. Try another power cord. If that doesn't work, disconnect the cord and contact Epson.
- Make sure the lamp and lamp cover are installed correctly.

Parent topic: Solving Projector or Remote Control Operation Problems

Related references

Where to Get Help

Projector Light Status

Projector Feature Settings - Settings Menu

Related tasks

Replacing the Remote Control Batteries

Unlocking the Projector's Buttons

Solutions to Problems with the Remote Control

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

- Check that the remote control batteries are installed correctly and have power. If necessary, replace the batteries.
- Make sure you are operating the remote control within the reception angle and range of the projector.
- Make sure the projector is not warming up or shutting down.
- Check to see if a button on the remote control is stuck down, causing it to enter sleep mode. Release the button to wake the remote control up.
- Strong fluorescent lighting, direct sunlight, or infrared device signals may be interfering with the projector's remote receivers. Dim the lights or move the projector away from the sun or interfering equipment.
- If available, turn off one of the remote receivers in the projector's menu system, or check if all the remote receivers were turned off.
- If you assigned an ID number to the remote control to operate multiple projectors, you may need to check or change the ID setting (feature not available with all projectors).
- If you lose the remote control, you can purchase another from an authorized Epson reseller.

Parent topic: Solving Projector or Remote Control Operation Problems

Related references

Optional Equipment and Replacement Parts

Projector Feature Settings - Settings Menu

Remote Control Operation

Related tasks

Replacing the Remote Control Batteries

Solutions to Password Problems

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

- You may have turned on password protection without first setting a password. Try entering **0000** using the remote control.
- If you 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 lose the remote control, you cannot enter a password. Order a new one from Epson.

Parent topic: Solving Projector or Remote Control Operation Problems

Related references

Optional Equipment and Replacement Parts
Projector Feature Settings - Settings Menu
Where to Get Help

Solutions When Using HDMI Link

If you cannot control an HDMI device using the HDMI Link buttons, try the following solutions:

- Make sure all necessary cables are securely connected and the power is on for the projector and connected video sources.
- Make sure the cables meet the HDMI standards.
- Make sure the connected device supports the CEC standards.
- If you connected a new device or changed any connections, you may need to restart the device.
- Connect no more than three devices that support HDMI Link at the same time.
- If you have connected a speaker or receiver, set the output to PCM.

Parent topic: Solving Projector or Remote Control Operation Problems

Solutions When Wireless Authentication Fails

If you cannot authenticate a wireless connection, try the following solutions:

- Make sure the **Wireless LAN Power** setting is set to **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.

Parent topic: Solving Problems

Related references

Projector Feature Settings - Settings Menu

Projector Network Settings - Network Menu

Event ID Code List

Where to Get Help

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

Internet Support

Visit Epson's support website at epson.com/support (U.S.) or epson.ca/support (Canada) for solutions to common problems with your projector. You can download utilities and documentation, get FAQs and troubleshooting advice, or e-mail Epson with your questions.

Speak to a Support Representative

To use the Epson PrivateLine Support service, call (800) 637-7661. This service is available for the duration of your warranty period. You may also speak with a projector support specialist by dialing (562) 276-4394 (U.S.) or (905) 709-3839 (Canada).

Support hours are 6 AM to 8 PM, Pacific Time, Monday through Friday and 7 AM to 4 PM, Pacific Time, Saturday.

Days and hours of support are subject to change without notice. Toll or long distance charges may apply.

Before you call, have the following information ready:

- Product name
- Product serial number (located on the bottom or rear of the projector, or in the menu system)
- Proof of purchase (such as a store receipt) and date of purchase
- Computer or video configuration
- Description of the problem

Purchase Supplies and Accessories

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

To purchase a replacement remote control, call (562) 276-4394 (U.S.) or (905) 709-3839 (for dealer referral in Canada).

Parent topic: Solving Problems

Technical Specifications

These sections list the technical specifications of your projector.

General Projector Specifications
Projector Lamp Specifications
Remote Control Specifications
Projector Dimension Specifications
Projector Electrical Specifications
Projector Environmental Specifications
Projector Safety and Approvals Specifications
Supported Video Display Formats

General Projector Specifications

Type of display	Poly-silicon TFT active matrix
Resolution	1080p
Lens	F=1.51 to 1.99 Focal length: 18.2 to 29.2 mm
Color reproduction	Full color, up to 1 billion colors
Brightness	High Power Consumption mode: White light output 2700 lumens (ISO 21118 standard) Color light output 2700 lumens **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	120000: 1 with Auto Iris on and a variety of other settings selected
Image size (in native aspect ratio)	30 inches (0.76 m) to 300 inches (7.62 m)

Projection distance (in native aspect ratio)	34.3 inches (0.87 m) to 570.9 inches (14.5 m)
Projection methods	Front, rear, ceiling-mounted
Optical aspect ratio (width-to-height)	16:9
Focus adjustment	Manual
Zoom adjustment	Manual
Zoom ratio (Tele-to-Wide)	1:1.6
Noise level	35 dB
Keystone correction angle	± 30º vertical and horizontal
USB Type A port compatibility	One USB 1.1 and 2.0 compliant port for USB device input, firmware update, or wireless LAN module One USB 1.1 and 2.0 compliant port for a media streaming device or optical HDMI cable

Parent topic: Technical Specifications

Projector Lamp Specifications

Type	UHE (Ultra High Efficiency)
Power consumption	250 W
Lamp life	High Power Consumption mode: Up to about 3500 hours Medium Power Consumption mode: Up to about 4000 hours ECO Power Consumption mode: Up to about 5000 hours

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

Parent topic: Technical Specifications

Remote Control Specifications

Reception range	32 feet (10 m)
Batteries	Two alkaline or manganese AA

Parent topic: Technical Specifications

Projector Dimension Specifications

Height (excluding feet)	6.2 inches (157 mm)
Width	16.1 inches (410 mm)
Depth	12.2 inches (310 mm)
Weight	14.6 lb (6.6 kg)

Parent topic: Technical Specifications

Projector Electrical Specifications

Rated frequency	50/60 Hz
Power supply	100 to 240 VAC ±10%
	3.6 to 1.6 A
Power consumption	Operating:
(100 to 120 V)	High Power Consumption mode: 356 W
	Medium Power Consumption mode: 331 W
	ECO Power Consumption mode: 265 W
	Standby:
	0.30 W (Communication Off), 2.3 W (Communication On; wired LAN), 2.8 W (Communication On; wireless LAN)

Power consumption (220 to 240 V)	Operating: High Power Consumption mode: 340 W Medium Power Consumption mode: 317 W ECO Power Consumption mode: 256 W Standby: 0.40 W (Communication Off), 2.4 W (Communication On; wired LAN), 2.9 W (Communication On; wireless LAN)

Parent topic: Technical Specifications

Projector Environmental Specifications

Temperature	Operating: Up to 7500 feet (2286 m): 41 to 95 °F (5 to 35 °C) 7500 feet (2286 m) to 9843 feet (3000 m) : 41 to 86 °F (5 to 30 °C) Storage: 14 to 140 °F (–10 to 60 °C)
Humidity (relative, non-condensing)	Operating: 20 to 80% Storage: 10 to 90%
Operating altitude	Up to 4921 feet (1500 m) Up to 9843 feet (3000 m) with High Altitude Mode enabled

Parent topic: Technical Specifications

Projector Safety and Approvals Specifications

United States	FCC Part 15 Class B UL60950-1 2nd edition (cTUVus Mark)
Canada	ICES-003 Class B CSA C22.2 No. 60950-1-07 (cTUVus Mark)

Parent topic: Technical Specifications

Supported Video Display Formats

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

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

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

Display format	Refresh rate (in Hz)	Resolution (in pixels)
Computer signals (analog RGB)		
VGA	60	640 × 480
SVGA	60	800 × 600
XGA	60	1024 × 768
WXGA	60	1280 × 768
	60	1366 × 768
	60	1280 × 800
SXGA	60	1280 × 960
	60	1280 × 1024
WXGA++	60	1600 × 900
HDMI input signals		
VGA	60	640 × 480
SDTV (480i/480p)	60	720 × 480
SDTV (576i/576p)	50	720 × 576
HDTV (720p)	50/60	1280 × 720
HDTV (1080i)	50/60	1920 × 1080
HDTV (1080p)	24/30/50/60	1920 × 1080
MHL input signals		
VGA	60	640 × 480
SDTV (480i/480p)	50	720 × 480

Display format	Refresh rate (in Hz)	Resolution (in pixels)
SDTV (576i/576p)	50	720 × 576
HDTV (720p)	50/60	1280 × 720
HDTV (1080i)	50/60	1920 × 1080
HDTV (1080p)	24/30	1920 × 1080

HDMI 3D Signals

Display format	Refresh rate (in Hz)	Resolution (in pixels)	3D formats
HDTV (720p)	50/60	1280 × 720	Frame Packing Side by Side Top and Bottom
HDTV (1080i)	50/60	1920 × 1080	Side by Side
HDTV (1080p)	50/60	1920 × 1080	Side by Side
	24	1920 × 1080	Frame Packing Side by Side Top and Bottom

MHL 3D Signals

Display format	Refresh rate (in Hz)	Resolution (in pixels)	3D formats
HDTV (720p)	50/60	1280 × 720	Side by Side Top and Bottom
HDTV (1080i)	50/60	1920 × 1080	Side by Side
HDTV (1080p)	24	1920 × 1080	Side by Side Top and Bottom

Parent topic: Technical Specifications

Notices

Check these sections for important notices about your projector.

Recycling
Important Safety Information
Important Safety Instructions
List of Safety Symbols (corresponding to IEC60950-1 A2)
FCC Compliance Statement
Open Source Software License
Binding Arbitration and Class Waiver
Trademarks
Copyright Notice

Recycling

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

Parent topic: Notices

Important Safety Information

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

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

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

Parent topic: Notices

Important Safety Instructions

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

- Do not look into the lens when the projector is on. The bright light can damage your eyes. Avoid standing in front of the projector so the bright light does not shine into your eyes.
- Do not place the projector on an unstable cart, stand, or table.
- Do not operate the projector on its side, or while tilted to one side. Do not tilt the projector more than 30° forward or back.
- If the projector is mounted on a ceiling or wall, it should be installed by qualified technicians using mounting hardware designed for use with this projector.
- When installing or adjusting a ceiling or wall mount, do not use adhesives to prevent the screws from loosening and do not use oils or lubricants. This may cause the projector case to crack and the projector to fall from its ceiling mount. This could cause serious injury to anyone under the mount and could damage the projector.
- Do not use the projector near water, sources of heat, high-voltage electrical wires, or sources of magnetic fields.
- Use the type of power source indicated on the projector. Use of a different power source may result in fire or electric shock. If you are not sure of the power available, consult your dealer or power company.
- Place the projector near a wall outlet where the plug can be easily unplugged.
- Take the following precautions when handling the plug: Do not hold the plug with wet hands. Do not insert the plug into a dusty outlet. Insert the plug firmly into the outlet. Do not pull the power cord when disconnecting the plug; always be sure to hold the plug when disconnecting it. Do not overload wall outlets, extension cords, or power strips. Failure to comply with these precautions could result in fire or electric shock.
- Do not place the projector where the cord can be walked on. This may result in fraying or damage to the plug.
- Unplug the projector from the wall outlet and allow to cool before cleaning. Use a dry cloth (or, for stubborn dirt or stains, a moist cloth that has been wrung dry) for cleaning. Do not use liquid or aerosol cleaners, any sprays containing flammable gas, or solvents such as alcohol, paint thinner, or benzine.
- Do not block the slots and openings in the projector case. They provide ventilation and prevent the projector from overheating. Do not operate the projector on a sofa, rug, or other soft surface, or set it on top of loose papers. Do not cover the projector with a blanket, curtain, or tablecloth. If you are setting up the projector near a wall, leave at least 7.9 inches (20 cm) of space between the wall and the projector.
- Do not operate the projector in a closed-in cabinet unless proper ventilation is provided.

- Never allow objects of any kind to enter any openings in the projector. Do not leave objects, especially flammable objects, near the projector. Never spill liquid of any kind into the projector.
- If you are using two or more projectors side-by-side, leave at least 2 feet (60 cm) of space between the projectors to allow for proper ventilation.
- You may need to clean the air filter and vent. A clogged air filter or vent can block ventilation needed to cool the projector. Do not use canned air, or the gases may leave a residue.
- Do not store the projector outdoors for an extended length of time.
- Except as specifically explained in this manual, do not attempt to service this product yourself. Refer all servicing to qualified personnel. Opening or removing covers may expose you to dangerous voltages and other hazards.
- Never open any covers on the projector except as specifically explained in this manual. Never attempt to disassemble or modify the projector. Refer all repairs to qualified service personnel.
- Unplug the projector from the wall outlet and refer servicing to qualified service personnel under the following conditions: if it does not operate normally when you follow the operating instructions, or exhibits a distinct change in performance; if smoke, strange odors, or strange noises come from the projector; if the power cord or plug is damaged or frayed; if liquid or foreign objects get inside the projector, or if it has been exposed to rain or water; if it has been dropped or the housing has been damaged.
- Do not touch the plug during an electrical storm. Otherwise, you may receive an electric shock.
- Unplug the projector when it will not be used for extended periods.
- Do not use the projector where it may be exposed to rain, water, or excessive humidity.
- Do not use or store the projector where it may be exposed to smoke, steam, corrosive gases, excessive dust, vibration, or shock.
- Do not use the projector where flammable or explosive gases may be present.
- Do not use or store the projector or remote control in a hot location, such as near a heater, in direct sunlight, or in a closed vehicle.
- If you use the projector in a country other than where you purchased it, use the correct power cord for that country.
- Do not stand on the projector or place heavy objects on it.
- Do not use the projector outside of the required temperature range below:

  41 to 95 °F (5 to 35 °C) at an altitude of 7500 feet (2286 m) or less, or 41 to 86 °F (5 to 30 °C) at a higher altitude

Doing so may cause an unstable display and could lead to projector damage. Do not use or store the projector where it may be exposed to sudden changes in temperature.

- Do not store the projector outside of the required temperature range of 14 to 140 °F (–10 to 60 °C) or in direct sunlight for long periods of time. Doing so may cause damage to the case.
- Do not place anything that can become warped or damaged by heat near the exhaust vents. Do not bring your hands or face close to the vents while projection is in progress. Do not bring your face close to the projector while it is in use.
- Before you move the projector, make sure its power is turned off, the plug is disconnected from the outlet, and all cables are disconnected.
- Never try to remove the lamp immediately after use because it will be extremely hot. Before removing the lamp, turn off the power and wait at least an hour to allow the lamp to cool completely.
- Do not 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 unit cap to the lens when not using the projector to prevent the lens from becoming dirty or damaged.

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

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

Restriction of Use

Parent topic: Notices

Restriction of Use

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

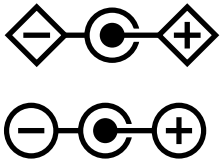
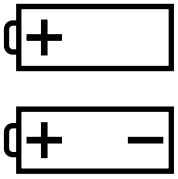
Because this product was not intended for use in applications requiring extremely high reliability/safety such as aerospace equipment, main communication equipment, nuclear power control equipment, or medical equipment related to direct medical care, please make your own judgment on this product's suitability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

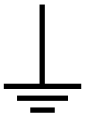
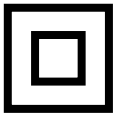
Parent topic: Important Safety Instructions

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

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

No.	Symbol	Approved Standards	Description
1		IEC60417 No.5007	"ON" (power) To indicate connection to the mains.
2		IEC60417 No.5008	"OFF" (power) To indicate disconnection from the mains.
3		IEC60417 No.5009	Stand-by To identify the switch or switch position by means of which part of the equipment is switched on in order to bring it into the stand-by condition.
4		ISO7000 No.0434B IEC3864-B3.1	Caution To identify general caution when using the product.
5		IEC60417 No.5041	Caution, hot surface To indicate that the marked item can be hot and should not be touched without taking care.

No.	Symbol	Approved Standards	Description
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.
9		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.
10		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.
11		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.

No.	Symbol	Approved Standards	Description
12		IEC60417 No.5017	Earth To identify an earth (ground) terminal in cases where neither the symbol No.13 is explicitly required.
13		IEC60417 No.5032	Alternating current To indicate on the rating plate that the equipment is suitable for alternating current only; to identify relevant terminals.
14		IEC60417 No.5031	Direct current To indicate on the rating plate that the equipment is suitable for direct current only; to identify relevant terminals.
15		IEC60417 No.5172	Class II equipment To identify equipment meeting the safety requirements specified for Class II equipment according to IEC 61140.
16		ISO 3864	General prohibition To identify actions or operations that are prohibited.
17		ISO 3864	Contact prohibition To indicate injury that could occur due to touching a specific part of the equipment.
18		—	Never look into the optical lens while the projector is on.
19		—	To indicate that the marked item don’t place anything on projector.

No.	Symbol	Approved Standards	Description
20		ISO3864 IEC60825-1	Caution, laser radiation To indicate the equipment has a laser radiation part.
21		ISO 3864	Disassembly prohibition To indicate a risk of injury, such as electric shock, if the equipment is disassembled.
22		—	Never look into the lens while the LED for lighting is on.
23		IEC60417 No. 5266	Standby, partial standby To indicate that part of the equipment is in the ready status.
24		ISO3864 IEC60417 No. 5057	Caution, movable parts To indicate that you must keep away from movable parts according to protection standards.

Parent topic: Notices

FCC Compliance Statement

For United States Users

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

- Reorient or relocate the receiving antenna.

- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

WARNING

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

For Canadian Users

CAN ICES-3(B)/NMB-3(B)

Parent topic: Notices

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The list of GPL Programs

- busybox-1.21.0
- iptables-1.4.20
- linux-3.4.49
- patches

- udhcp 0.9.8
- wireless_tools 29
- dbus-1.6.18
- EPSON original drivers
- Stonestreet One Drivers

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Version 2, June 1991

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Version 2.1, February 1999

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(6) TINET and TOPPERS

TINET (TCP/IP Protocol Stack)

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The basic library functions are written in C and are freestanding. Also included in the distribution is a set of C++ wrapper functions, and a just-in-time compiler that can be used to optimize pattern matching. These are both optional features that can be omitted when the library is built.

THE BASIC LIBRARY FUNCTIONS

Written by: Philip Hazel

Email local part: ph10

Email domain: cam.ac.uk

University of Cambridge Computing Service, Cambridge, England.

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PCRE JUST-IN-TIME COMPILATION SUPPORT

Written by: Zoltan Herczeg

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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, 3840 Kilroy Airport Way, Long Beach, CA 90806 (the "Epson Address"). The Dispute Notice to you will be sent to the most recent address Epson has in its records for you. For this reason, it is important to notify us if your address changes by emailing us at EAILegal@ea.epson.com or writing us at the Epson Address above. Notice of the Dispute shall include the sender's name, address and contact information, the facts giving rise to the Dispute, and the relief requested (the "Dispute Notice"). Following receipt of the Dispute Notice, Epson and you agree to act in good faith to resolve the Dispute before commencing arbitration.

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

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

1.6 **Arbitration Procedure**. If you or Epson commences arbitration, the arbitration shall be governed by the rules of JAMS that are in effect when the arbitration is filed, excluding any rules that permit arbitration

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

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

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

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

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