

EPSON

User's Guide

Home Projector

EH-LS7500

EH-LS7000

EH-LS6000

EH-LS5000

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Notations Used in This Guide

Safety Symbols

The projector and its manuals use graphical symbols and labels to indicate content that tells you how to use the projector safely.

Read and carefully follow the instructions that are marked with these symbols and labels to avoid injury to persons or damage to property.

 Warning	This symbol indicates information that, if ignored, could possibly result in personal injury or even death.
 Caution	This symbol indicates information that, if ignored, could possibly result in personal injury or physical damage due to incorrect handling.

General Information Notations

Attention	This label indicates procedures that may result in damage or injury if sufficient care is not taken.
	This label indicates additional information that may be useful to know.
[Button name]	Indicates the name of the buttons on the remote control or the projector. Example: [Esc] button
Menu/Setting name	Indicates projector menu and setting names. Example: Select the Image menu  Image > Advanced
»	This label indicates links to the related pages.
	This label indicates the projector's current menu level.

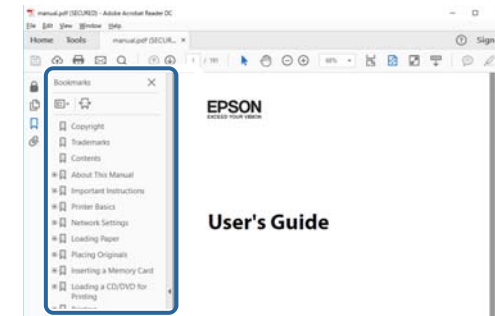
» Related Links

- "Using the Manual to Search for Information" [p.6](#)
- "Getting the Latest Version of the Documents" [p.7](#)

The PDF manual allows you to search for information you are looking for by keyword, or jump directly to specific sections using the bookmarks. You can also print only the pages you need. This section explains how to use a PDF manual that has been opened in Adobe Reader X on your computer.

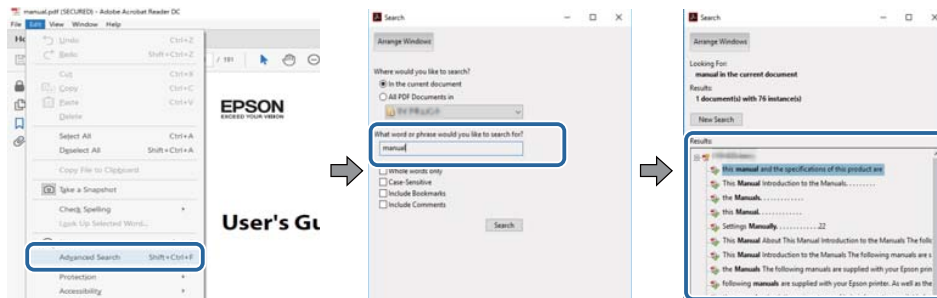
► Related Links

- "Searching by Keyword" [p.6](#)
- "Jumping Directly from Bookmarks" [p.6](#)
- "Printing Only the Pages You Need" [p.6](#)



Searching by Keyword

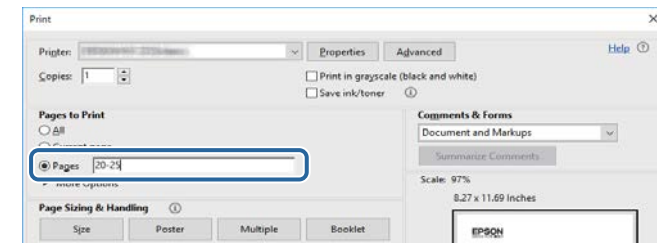
Click **Edit > Advanced Search**. Enter the keyword (text) for information you want to find in the search window, and then click **Search**. Hits are displayed as a list. Click one of the displayed hits to jump to that page.



Printing Only the Pages You Need

You can extract and print only the pages you need. Click **Print** in the **File** menu, and then specify the pages you want to print in **Pages in Pages to Print**.

- To specify a series of pages, enter a hyphen between the start page and the end page.
Example: 20-25
- To specify pages that are not in series, divide the pages with commas.
Example: 5, 10, 15



Jumping Directly from Bookmarks

Click a title to jump to that page. Click **+** or **>** to view the lower level titles in that section. To return to the previous page, perform the following operation on your keyboard.

- Windows: Hold down **Alt**, and then press **←**.
- Mac OS: Hold down the command key, and then press **←**.

You can get the latest version of the manuals and specifications on the Epson Web site.

Visit epson.sn, and enter your model name.

For users in the U.S., Canada, and Latin America

Visit support.epson.com, and enter your model name.

Introduction to Your Projector

See these sections to learn more about your projector.

►► Related Links

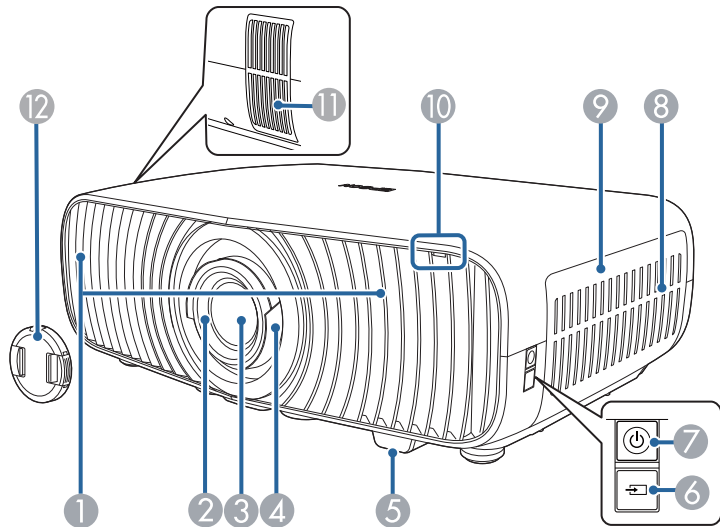
- "Projector Parts and Functions" [p.9](#)

The following sections explain the projector parts and their functions.

►► **Related Links**

- "Projector Parts - Front/Top" [p.9](#)
- "Projector Parts - Rear" [p.10](#)
- "Projector Parts - Base" [p.10](#)
- "Projector Parts - Interface Ports" [p.11](#)
- "Projector Parts - Remote Control" [p.12](#)
- "Dashboard" [p.14](#)

Projector Parts - Front/Top

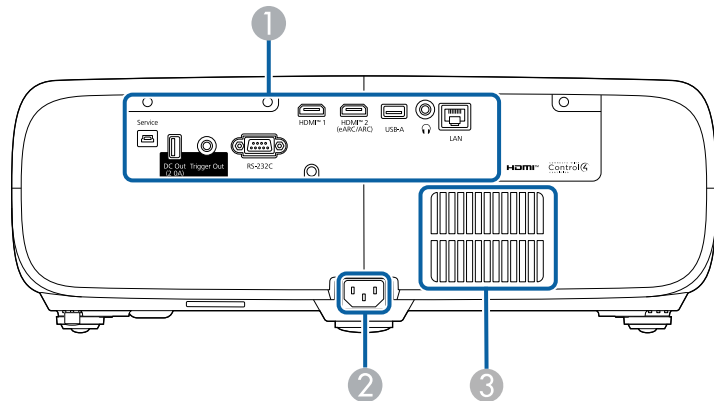


Name		Function
①	Air exhaust vent	Exhaust vent for air used to cool the projector internally. ⚠ Caution While projecting, do not put your face or hands near the air exhaust vent, and do not place objects that may become warped or damaged by heat near the vent. Hot air from the air exhaust vent could cause burns, warping, or accidents to occur.
②	Focus ring	Focuses the entire screen.
③	Lens	Images are projected from here.
④	Zoom ring	Adjusts the screen size.
⑤	Remote receiver	Receives signals from the remote control.
⑥	Source switch button	Cycles through the sources.
⑦	Power button ()	Turns the projector on or off.
⑧	Air intake vent (air filter)	Takes in air to cool the projector internally.
⑨	Air filter cover	Open to access the air filter.
⑩	Indicator	Indicates the projector's status.
⑪	Air intake vent	Takes in air to cool the projector internally.
⑫	Lens cover	Attach when not using the projector to protect the lens.

►► **Related Links**

- "Projector Indicator Status" [p.95](#)
- "Remote Control Operation" [p.28](#)
- "Air Filter and Vent Maintenance" [p.87](#)

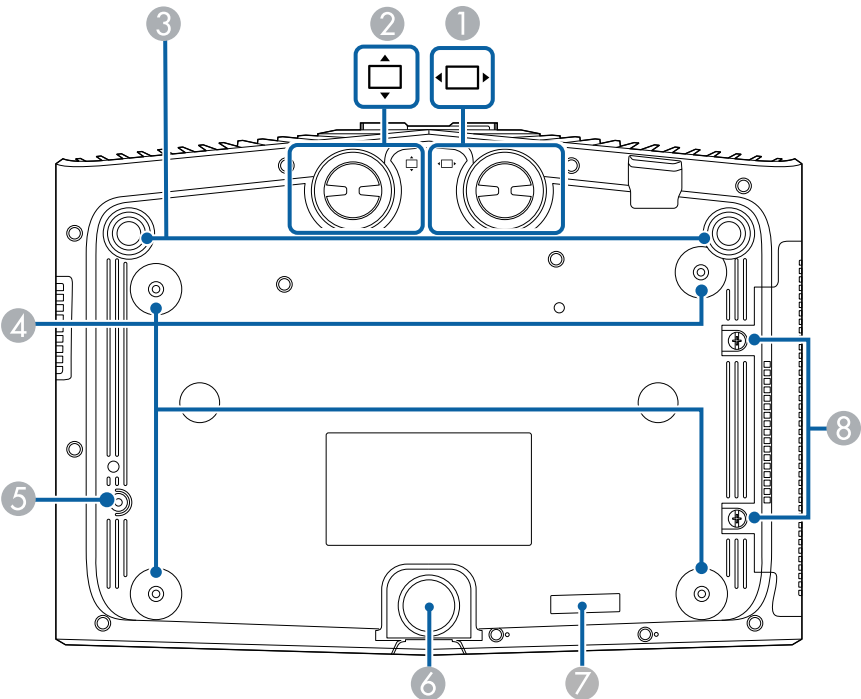
Projector Parts - Rear



Name		Function
1	Interface ports	Connects cables for external devices.
2	Power inlet	Connects the power cord to the projector.
3	Air intake vent	Takes in air to cool the projector internally.

- **Related Links**
- "Projector Parts - Interface Ports" [p.11](#)

Projector Parts - Base



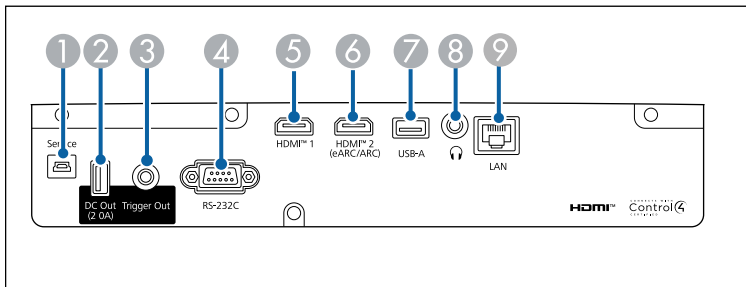
Name		Function
1	Lens shift dials (horizontal)	Turn this dial to move the projected image horizontally.
2	Lens shift dials (vertical)	Turn this dial to move the projected image vertically.
3	Front feet	Turn to extend and retract the feet to adjust the horizontal tilt.

Name	Function
④ Ceiling mount fixing points (four points)	Use all of these points to attach the optional ceiling mount when installing the projector on a wall, or mounting the projector from a ceiling.  To install the optional ceiling mount, use all four fixing points and secure it with M4 screws (maximum depth: 9 mm).
⑤ Wire clamp fixing point	When you use the optional ceiling mount, fix the carabiner here to attach the safety wire and prevent the projector from falling from the ceiling or wall.
⑥ Rear foot	Stabilizes the projector on a surface such as a desk.
⑦ Strap attachment point	Attach a strap here to organize dongles, cables, and so on.
⑧ Air filter cover screws	Screws to fix the air filter cover in place.

► Related Links

- "Installing the Safety Wire" [p.20](#)

Projector Parts - Interface Ports



Name	Function
① Service port	This port is used by service technicians and should not normally be used.
② DC Out (2.0 A) port	Provides a connection for an optional or commercially available streaming media player allowing you to power it. USB data transfer is not available.
③ Trigger Out port *	Connects with external devices such as motorized screens.  Caution A headphone plug and the Trigger Out port have different voltage specifications. Do not connect a headphone plug to the Trigger Out port, as doing so may damage the device.
④ RS-232C port *	Connects an RS-232C cable to control the projector from a computer. (You do not need to use this port normally.)
⑤ HDMI1 port	Inputs video signals from HDMI compatible video equipment and computers. This port is compatible with HDCP 2.3.
⑥ HDMI2 (eARC/ARC) port	Inputs video signals from HDMI compatible video equipment and computers. This port is compatible with HDCP 2.3. This port is compatible with HDMI eARC/ARC.
⑦ USB-A port	Imports or exports menu settings using the batch configuration function.

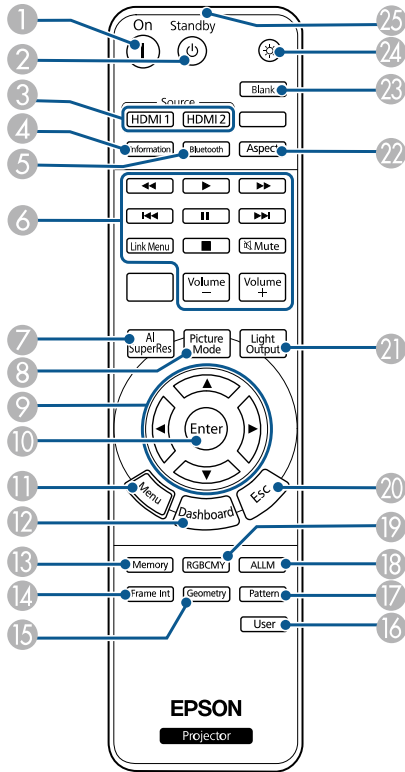
Name		Function
⑧	Audio Out port	Outputs audio from the current input source to headphones. Attention The projector's Audio Out port only supports 3-pin headphones. If you use any other headphones, audio may not be output normally.
⑨	LAN port	Connects a LAN cable to connect to a network.

* Not available for EH-LS6000/EH-LS5000.

►► **Related Links**

- "Projector Connections" [p.23](#)

Projector Parts - Remote Control



Name		Function
①	[On] button	Turns the projector on.
②	[Standby] button	Turns the projector off.
③	[HDMI1]/[HDMI2] button	Switches the image source between the HDMI1 or HDMI2 (eARC/ARC) ports.
④	[Information] button	Displays the Information screen.
⑤	[Bluetooth] button	Displays the Bluetooth screen.

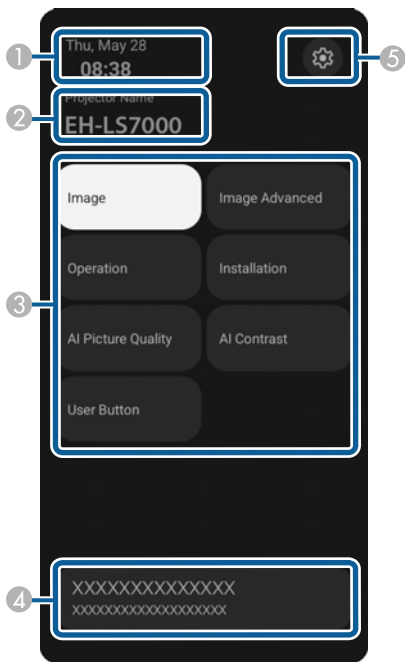
Name	Function
⑥ Playback control buttons	Controls playback of the connected devices that support the HDMI CEC standard.
⑦ [AI Super Res] button	Displays the AISR screen. Enables AI-powered upscaling to enhance image sharpness and detail.
⑧ [Picture Mode] button	Displays the Picture Mode screen.
⑨ Arrow buttons	Selects menu items while displaying the projector's menu. Also used for correcting the image shape, and so on.
⑩ [Enter] button	Press this button while the projector's menu is displayed to confirm the current selection and move to the next level.
⑪ [Menu] button	Displays the Menu screen and closes the projector's menu.
⑫ [Dashboard] button	Displays the dashboard menu. See "Using the Projector's Dashboard" for details.
⑬ [Memory] button	Displays the Memory menu. See "Saving Settings to Memory and Using Saved Settings" for details.
⑭ [Frame Int] button	Displays the Frame Interpolation screen. Sets the strength for Frame Interpolation .
⑮ [Geometry] button	Displays the Geometry Correction screen.
⑯ [User] button	Displays settings assigned in the User Button setting in the projector's Operation menu.
⑰ [Pattern] button	Displays the Test Pattern screen.
⑱ [ALLM] button	Displays the ALLM screen. Set up ALLM (Auto Low Latency Mode) to minimize input delay.

Name	Function
⑲ [RGBCMY] button	Displays the Color Tuner screen. Enable Color Tuner to adjust the hue, saturation, and brightness for each RGBCMY color.
⑳ [Esc] button	Moves back to the previous menu level while displaying the projector's menu.
㉑ [Light Output] button	Displays the Light Output screen. Adjusts the brightness of the light source.
㉒ [Aspect] button	Displays the Aspect screen.
㉓ [Blank] button	Temporarily shuts off projection. To turn the image back on, press this button again.  Any video action continues to run, however, so you cannot resume projection at the point that you shut it off.
㉔ Illumination button	When you press this button, the remote control buttons light up for approximately 10 seconds. This is useful when operating the remote control in the dark.
㉕ Remote control light emitting area	Outputs remote control signals.

► Related Links

- "Selecting an Image Source" [p.35](#)
- "Adjusting the Menu Settings" [p.69](#)
- "Adjusting Image Quality (Color Mode)" [p.44](#)
- "Setting the Image Aspect Mode" [p.43](#)
- "Shutting Off the Image Temporarily" [p.51](#)
- "Displaying a Test Pattern" [p.33](#)
- "Saving Settings to Memory and Using Saved Settings" [p.53](#)
- "Using the Projector's Menus" [p.71](#)
- "Using the Projector's Dashboard" [p.70](#)

Dashboard



Name	Function
①	Displays the date and time.
②	Displays the projector name.
③	Displays each menu screen.
④	Displays notifications such as software updates, and so on.
⑤	Displays the Menu screen.

Setting Up the Projector

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

►► Related Links

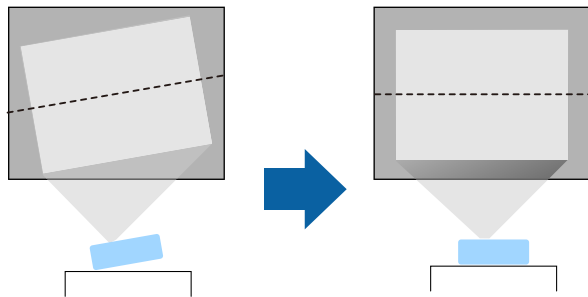
- "Projector Placement" [p.16](#)
- "Installing the Safety Wire" [p.20](#)
- "Projector Connections" [p.23](#)
- "Installing Batteries in the Remote Control" [p.27](#)

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

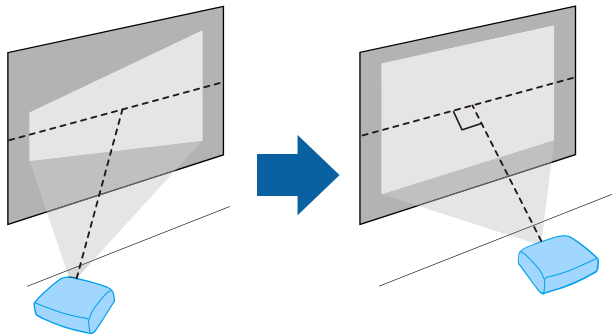
You can also install the projector in a ceiling mount if you want to use it in a fixed location. An optional ceiling mount is required when suspending the projector from a ceiling.

Note the following points when selecting a projector location:

- Place the projector on a sturdy, level surface or install it using a compatible mount.



- Place the projector so it squarely faces the screen, not at an angle.



Warning

- You must install a ceiling mount when suspending the projector from a ceiling. If you do not install the projector correctly, it could fall and cause damage or injury.
- A special method of installation is required when suspending the projector from a ceiling. If you do not install the projector correctly, it could fall and cause damage or injury.
- Do not use adhesives on the ceiling mount fixing points to prevent the screws from loosening, or use lubricants, oils, or similar substances on the projector; the projector case may crack causing it to fall from its ceiling mount. This could cause serious injury to anyone under the ceiling mount and could damage the projector.
- Failure to install the ceiling mount and projector may cause the projector to fall. Secure the mount to all of the projector's ceiling mount fixing points as specified in the projector's User's Guide. Also, secure the projector and the mount using wires that are strong enough to hold their weight. Be sure to use a mount specified by Epson that is compatible with this projector.
- Do not install the projector in a location subject to high levels of dust or humidity, or in a location subject to smoke or steam. Otherwise, it could cause a fire or electric shock to occur. The projector's case could also deteriorate and be damaged causing the projector to fall from the mount.

Examples of environments that could cause the projector to fall due to case deterioration

- Locations subject to excessive smoke or airborne oil particles, such as factories or kitchens
- Locations containing volatile solvents or chemicals, such as factories or laboratories
- Locations where the projector could be subjected to detergents or chemicals, such as factories or kitchens
- Locations in which aroma oils are often used, such as relaxation rooms
- Near devices that produce excessive smoke, airborne oil particles, or foam at events
- Locations near humidifiers

Warning

- Do not cover the projector's air intake or air exhaust vents. If the vents are covered, the internal temperature could rise and cause a fire.
- Do not use or store the projector in locations where it will be subject to dust or dirt. Otherwise, the quality of the projected image may decline. If the lens or air filter gets dusty, it may result in a malfunction or fire.
- Do not install the projector on an unstable surface or in a location beyond the weight specifications of the projector. Otherwise, it could fall or topple causing an accident and injury.
- When installing the projector in a high position, take measures to prevent falling by using wires to ensure safety in an emergency, such as an earthquake, and to prevent accidents. If it is not installed correctly, it could fall causing an accident and injury.
- Do not install in locations where salt damage could occur, or in locations subject to corrosive gas such as sulphuric gas from hot springs. Otherwise, corrosion could cause the projector to fall. It could also cause the projector to malfunction.

Attention

- If you are using the projector at altitudes above 1,500 m (4,921 feet), set the **High Altitude Mode** setting to **On** in the projector's **Installation** menu to ensure the projector's internal temperature is regulated properly.
- Try not to setup the projector in locations subject to high humidity and dust, or in locations subject to smoke from fires or tobacco smoke.

► Related Links

- "Notes on Transporting" [p.17](#)
- "Projector Setup and Installation Options" [p.17](#)
- "Precautions on Installation" [p.18](#)
- "Projection Distance" [p.19](#)

Notes on Transporting

There are many glass parts and precision components inside the projector. To prevent damage due to impacts when transporting, handle the projector as follows.

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

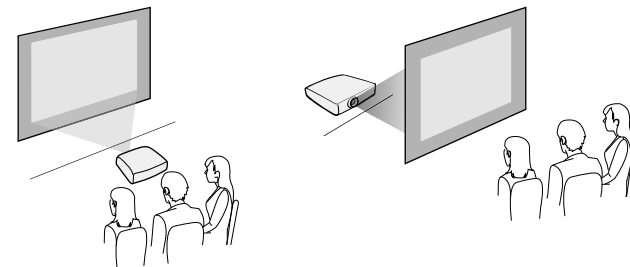


Epson shall not be liable for any damages incurred during transportation.

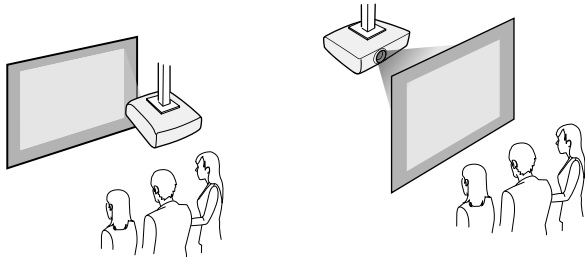
Projector Setup and Installation Options

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

Front/Rear



Front Ceiling/Rear Ceiling



Select the correct **Projection** option in the projector's **Installation** menu according to the installation method being used.



- The default **Projection** setting is **Front**.
- When suspending the projector from a ceiling, we recommend placing it on a flat surface such as a desk, turning it on, and then setting up the projector's OS before suspending it from the ceiling.

► Related Links

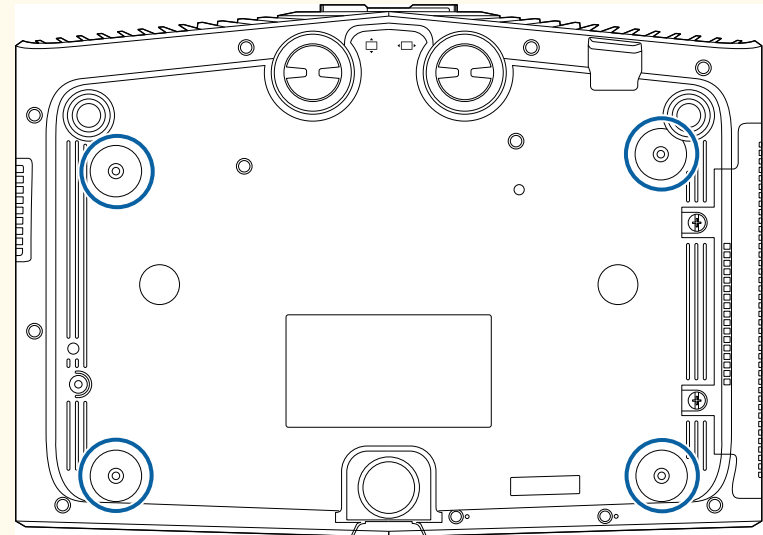
- "Changing a Projection Mode" [p.34](#)

Precautions on Installation

Note the following precautions when installing the projector.

Attention

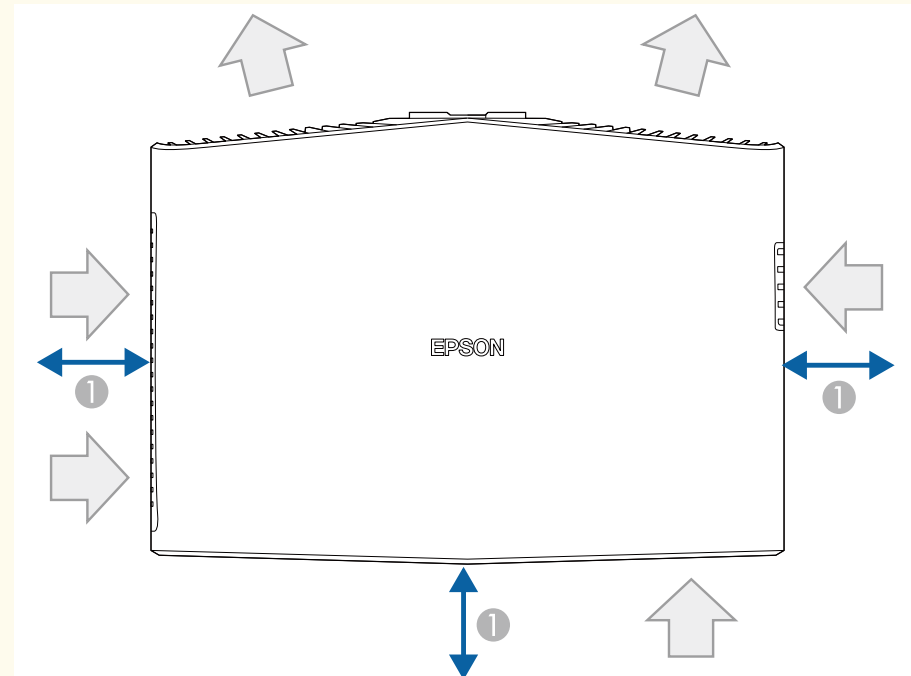
- Leave adequate space around the projector for ventilation, and do not place it on or next to anything that could block the vents.
- If the projector is installed at an angle, it should be installed by qualified technicians using mounting hardware designed for use with this projector.
- Install the projector appropriately to prevent it from falling down.
- Use M4 screws (up to a depth of 9 mm/0.35 in) to fix the projector's ceiling mount fixing points and the mounting hardware at four points.



Installation space

Attention

Be sure to leave the following amount of space around the projector so as not to block the air exhaust and intake vents.



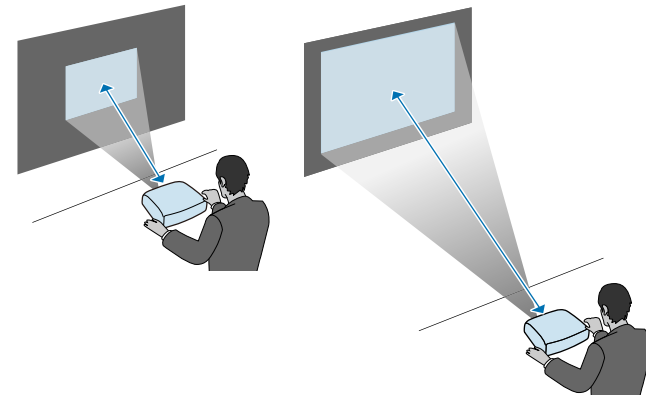
① 10 cm (3.9 inches)

- Do not install the projector in a position where the exhaust air blows against a wall.
- Do not install the projector in a location that does not allow air to circulate.
- If there is not enough space around the projector and the internal temperature of the projector increases, the brightness of the light source may decrease.
- Remove any obstacles around the projector so that hot air from the exhaust vents can escape and not be drawn into the air intake vents.

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.

See the Appendix for details about how far to place the projector from the screen based on the size of the projected image.



►► Related Links

- "Screen Size and Projection Distance" [p.108](#)

You can install the safety wire to prevent the projector from falling from the ceiling.

Warning

Be sure to use the safety wire provided with the Epson ceiling mount. The safety wire is available as an optional Safety Wire Set ELPWR01.

► Related Links

- "When Using the Ceiling Mount ELPMB22" [p.20](#)
- "When Using the Ceiling Mount ELPMB30" [p.21](#)

When Using the Ceiling Mount ELPMB22

You can attach a safety wire to your projector for increased safety as shown.

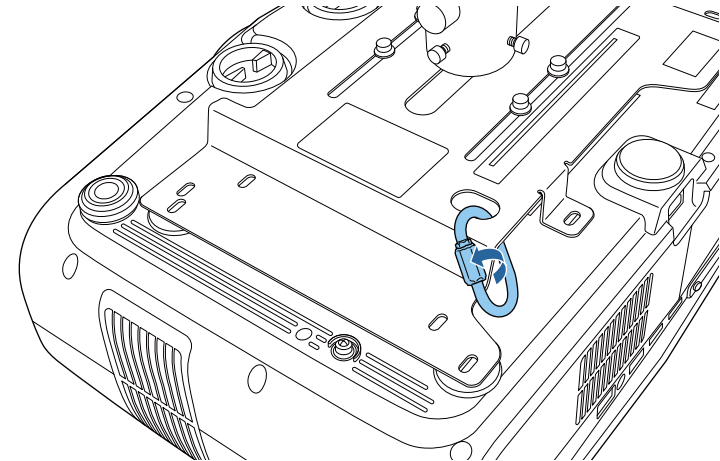
Before you start, make sure you have firmly installed the ELPMB22 ceiling mount on the projector and have the following items that are included in the safety wire set:

- Safety wire × 1
- Carabiner × 2
- Wire clamp × 1
- Attaching screw (M4 × 10 mm/0.39 in) × 1

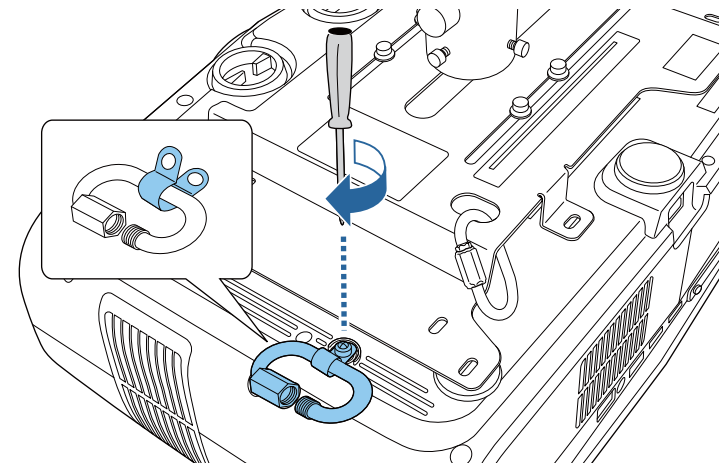


For details on installing the ELPMB22, see the *Ceiling Mount ELPMB22/ELPMB23 Instruction Manual*.

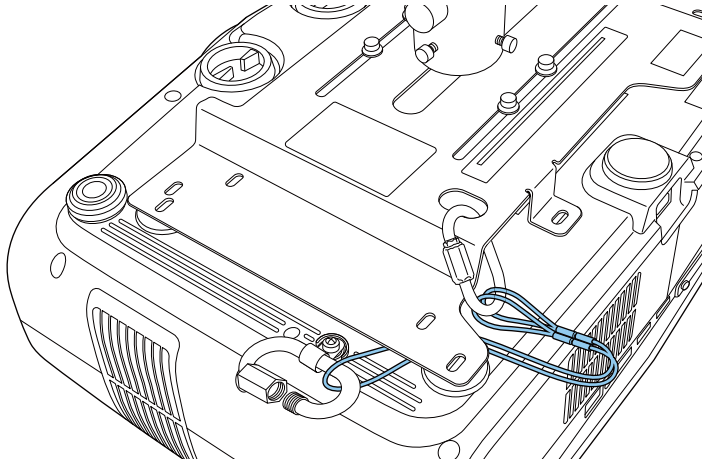
- 1** Attach a carabiner to the hole on the ceiling mount, and tighten the carabiner lock.



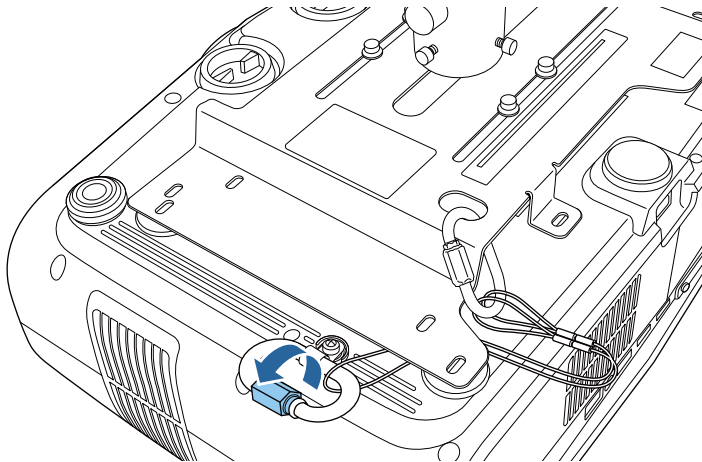
- 2** Attach the wire clamp to another carabiner, and then use the screw to fix the wire clamp to the wire clamp fixing point on the projector.



- 3** Loop the safety wire through the carabiner on the ceiling mount, and attach both ends to the carabiner on the projector.



- 4** Tighten the carabiner lock.



► Related Links

- "Getting the Latest Version of the Documents" [p.7](#)

When Using the Ceiling Mount ELPMB30

You can attach a safety wire to your projector for increased safety as shown.

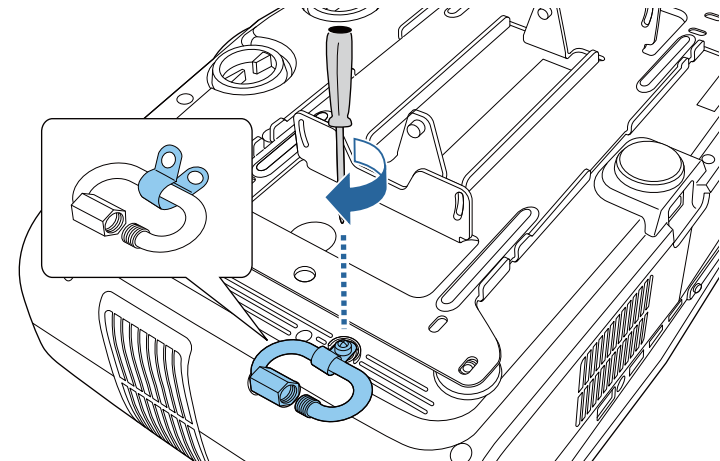
Before you start, make sure you have firmly installed the projector plate for the ELPMB30 ceiling mount on the projector and have the following items that are included in the safety wire set:

- Safety wire × 1
- Carabiner × 2 (Only one carabiner is used for the ELPMB30.)
- Wire clamp × 1
- Attaching screw (M4 × 10 mm/0.39 in) × 1

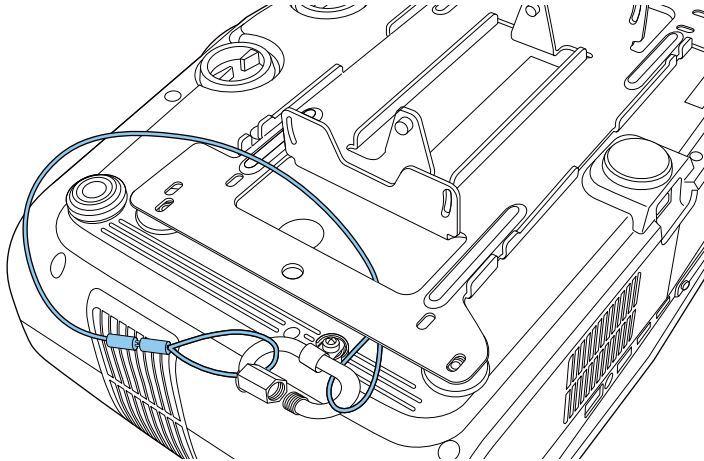


For details on installing the ELPMB30, see the *ELPMB30 User's Guide*.

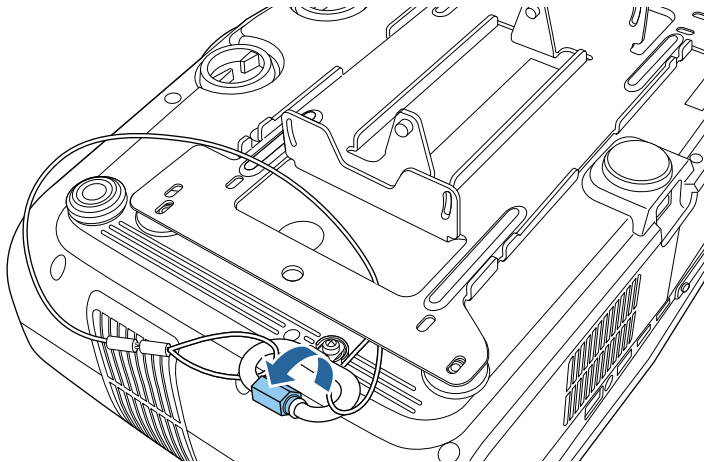
- 1** Attach the wire clamp to the carabiner, and then use the screw to fix the wire clamp to the screw into the wire clamp fixing point on the projector.



- 2** Loop the safety wire through the hole in the ceiling mount, and then attach both ends to the carabiner.



- 3** Tighten the carabiner lock.



► Related Links

- "Getting the Latest Version of the Documents" [p.7](#)

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

Attention

Check the shape and orientation of the connectors on any cable you plan to connect. Do not force a connector into a port if it does not fit. The device or your projector could be damaged or could malfunction.



See the *Quick Start Guide* for a list of cables supplied with your projector. Purchase optional or commercially available cables when necessary.

► Related Links

- "Connecting to an HDMI Video Source" [p.23](#)
- "Connecting to a Streaming Media Player" [p.24](#)
- "Connecting to an eARC/ARC Compatible AV System or External Speakers" [p.24](#)
- "Connecting a Headphone" [p.25](#)
- "Connecting to a Trigger Out Port" [p.25](#)
- "Connecting a Bluetooth Device" [p.26](#)
- "Getting the Latest Version of the Documents" [p.7](#)

Connecting to an HDMI Video Source

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

Attention

Do not turn on the video source before connecting it to the projector. Doing so could damage the projector.



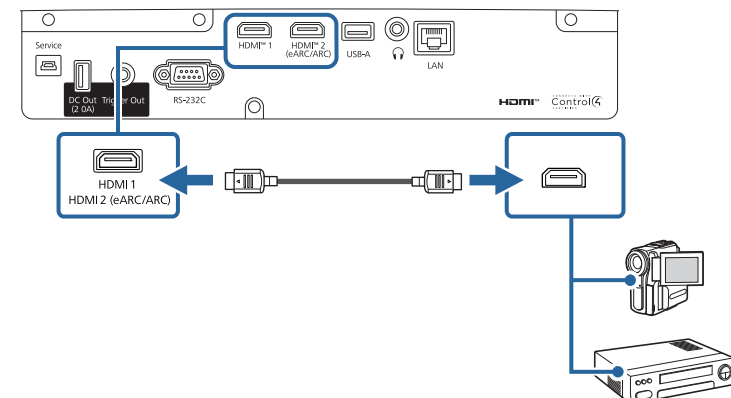
- If the port on the device you connect has an unusual shape, use the cable supplied with the device or an optional cable to connect to the projector.
- The cable differs depending on the output signal from the connected video devices.
- Some video devices are capable of outputting different types of signals. See your video device manual to confirm what type of signals can be output.
- When sending 18 Gbps images such as 4K 60 Hz 4:4:4 8bit, use an HDMI cable (premium-high speed). When sending 48 Gbps images such as 4K 120 Hz 4:4:4 8bit, use an HDMI cable (ultra-high speed). If images are not displayed correctly, you may be able to display them correctly by changing the **HDMI EDID Version** setting in the projector's **Inputs** menu.

☛ **Inputs > Inputs > HDMI 1 > HDMI EDID Version**

☛ **Inputs > Inputs > HDMI 2 > HDMI EDID Version**

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.



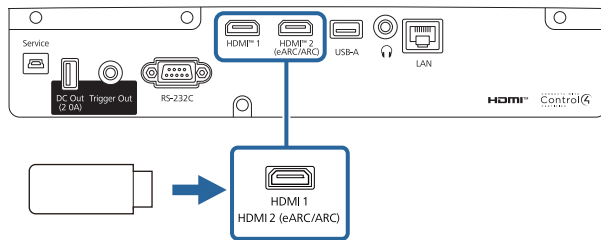
Connecting to a Streaming Media Player

You can connect your streaming media player to the projector's HDMI port. By connecting the power supply USB cable, you can power the streaming media player from the projector.



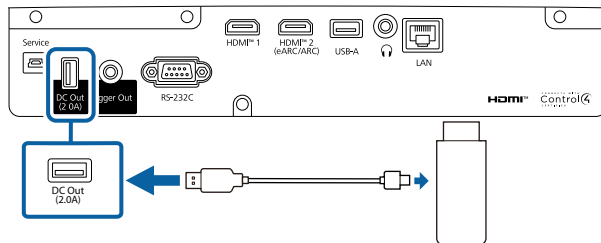
The connection method and operating environment for the streaming media player vary depending on the model you are using. For details, see the documentation supplied with your streaming media player; otherwise, it may not operate properly.

- 1 Connect your streaming media player to the projector's HDMI port.



- 2 Connect the power supply USB cable to the projector's DC Out port.

- 3 Connect the other end to the streaming media player.



Connecting to an eARC/ARC Compatible AV System or External Speakers

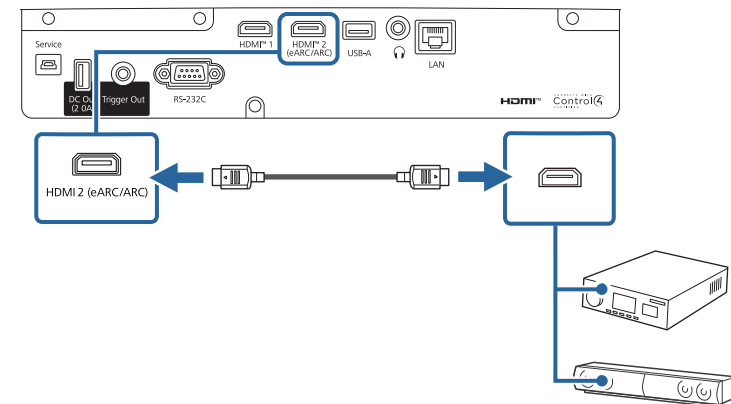
If your AV system or speaker, such as a sound bar, has an HDMI port, you can connect them to the projector using an HDMI cable (with Ethernet) to output audio to these devices.



- When the AV System is connected to the projector, set **HDMI Control** to **On**.
Inputs > Inputs > HDMI Control

- 1 Connect the HDMI cable to your AV system's or speakers' HDMI output port (eARC/ARC compatible).

- 2 Connect the other end to the projector's HDMI2 (eARC/ARC) port.



- 3** Make any necessary settings on the connected AV system. See your device's documentation for more information.



- If audio is not output properly, try changing **Auto** to **PCM** as the **Digital Output** setting in the projector's menu.
 - **Image & Sound > Audio Output > Digital Output**
- See the *Supplemental A/V Support Specification* for eARC/ARC audio supported formats.
- For users in the U.S., Canada, and Latin America
See the online *Notices* guide for eARC/ARC audio supported formats.

► Related Links

- "Getting the Latest Version of the Documents" [p.7](#)

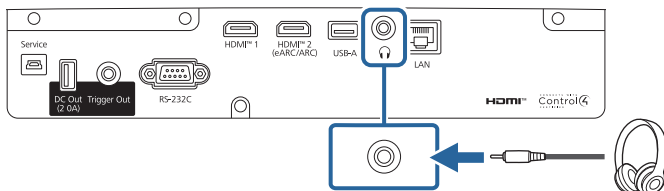
Connecting a Headphone

You can connect a headphone to the projector's Audio Out port. You can control the volume using the projector's remote control.

Attention

The projector's Audio Out port only supports 3-pin headphones. If you use any other headphones, audio may not be output normally.

- 1** Connect the stereo headphone's mini-jack cable to the projector's Audio Out port.



⚠ Caution

Do not start a playback at a high volume setting. Sudden loud noises may cause hearing loss.

Always lower the volume before powering off, so that you can power on and then gradually increase the volume.

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 (200 mA maximum) signal is sent to the connected device while the projector is powered on.



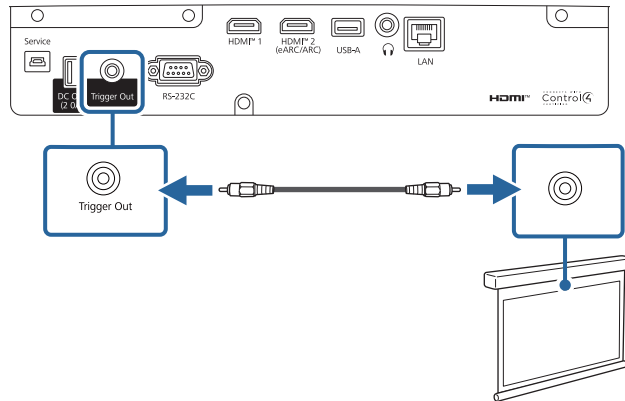
The Trigger Out port is not available for EH-LS6000/EH-LS5000.

- 1** Connect a 3.5 mm stereo mini-jack cable to the external device's trigger port. See the documentation supplied with the device for more information.

Attention

A headphone plug and the Trigger Out port have different voltage specifications. Do not connect a headphone plug to the Trigger Out port, as doing so may damage the device.

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



- 3 Set the **Trigger Out** setting in the projector's **Operation** menu.

Connecting a Bluetooth Device

You can connect the projector to Bluetooth audio devices, such as speakers or earphones, to output audio from the projector through these devices.

- 1 Turn on the projector.
- 2 Press the [Bluetooth] button on the remote control.
- 3 Set **Bluetooth** to **On**.
- 4 Select the menus in the following order to perform pairing from the menu displayed.
 - Bluetooth > Pair Accessory

Installing Batteries in the Remote Control

27

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

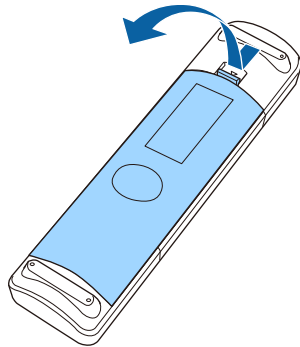
Attention

- Make sure you read the *Safety Instructions* before handling the batteries.
- For users in the U.S., Canada, and Latin America
Make sure you read the safety instructions in the online *Notices* guide before handling the batteries.



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

- 1** Remove the battery cover as shown.

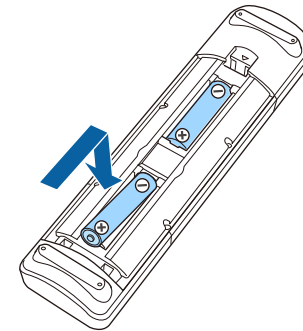


- 2** Remove the old batteries, if necessary.



Dispose of used batteries according to local regulations.

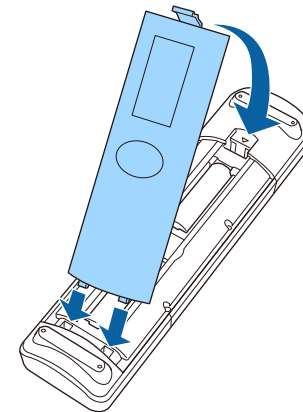
- 3** Insert the batteries with the + and – ends facing as shown.



Warning

Check the positions of the (+) and (–) marks inside the battery holder to ensure the batteries are inserted the correct way. If the batteries are not used correctly, they could explode or leak causing a fire, injury, or damage to the product.

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



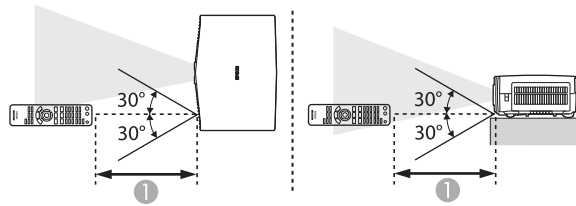
►► Related Links

- "Remote Control Operation" [p.28](#)

Remote Control Operation

The remote control lets you control the projector from almost anywhere in the room.

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



① 10 m (32.8 feet)



- 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 are not going to use the remote control for a long time, remove the batteries.

Using Basic Projector Features

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

►► Related Links

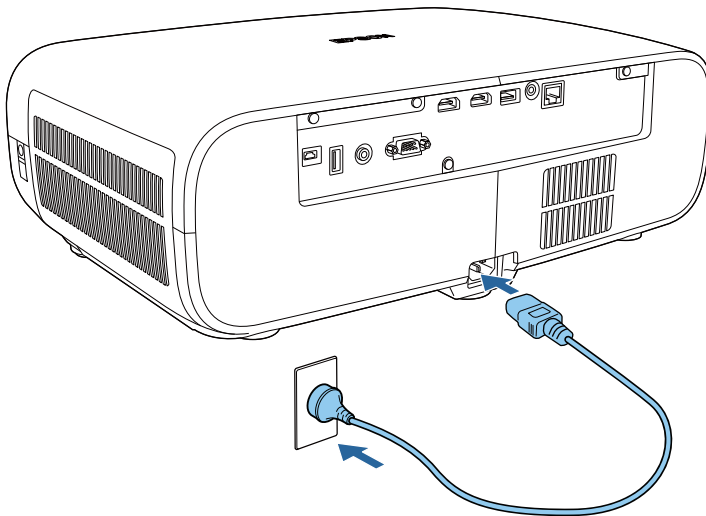
- "Turning On the Projector" [p.30](#)
- "Turning Off the Projector" [p.32](#)
- "Displaying a Test Pattern" [p.33](#)
- "Changing a Projection Mode" [p.34](#)
- "Selecting an Image Source" [p.35](#)
- "Adjusting the Image Position Using Lens Shift" [p.36](#)
- "Adjusting the Projector's Tilt" [p.37](#)
- "Focusing the Image" [p.38](#)
- "Resizing the Image" [p.39](#)
- "Image Shape" [p.40](#)
- "Setting the Image Aspect Mode" [p.43](#)
- "Adjusting Image Quality (Color Mode)" [p.44](#)
- "Adjusting the Light Source Brightness" [p.45](#)
- "Turning On Dynamic Contrast" [p.46](#)
- "Adjusting the Image Color Temperature" [p.47](#)
- "Adjusting Image Quality in Detail" [p.48](#)
- "Controlling the Volume with the Volume Buttons" [p.49](#)

Turn on the projector before use.

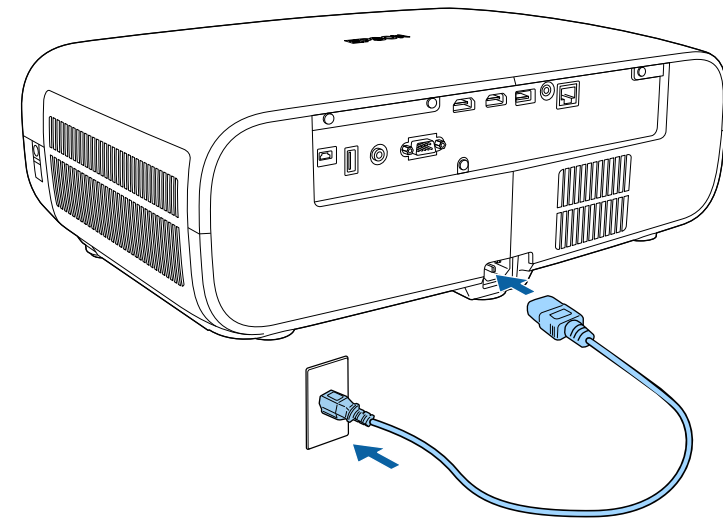


- When you connect the video equipment to the projector, turn on the video equipment you want to use after you turn on the projector.
- When suspending the projector from a ceiling, we recommend placing it on a flat surface such as a desk, turning it on, and then setting up the projector's OS before suspending it from the ceiling.

- 1** Connect the power cord to the projector's power inlet and plug it into an electrical outlet.



For users in the U.S., Canada, and Latin America



The projector enters standby mode. This indicates that the projector is receiving power, but is not yet turned on.

- 2** Press the power button on the projector or the [On] button on the remote control to turn on the projector.
The indicator lights up in white.



- When you turn on the projector for the first time, the initial setup wizard is displayed. Select the installation mode, language settings, and so on using the arrow and [Enter] buttons on the remote control.
- The projector's menu screens are displayed in black by default. All of the instructions in this guide are explained using white screens unless otherwise mentioned.

Try the following if you do not see a projected image.

- Turn on the connected computer or video device.
- Change the screen output from the computer when using a laptop computer.

- Insert a Blu-ray or other video media, and press play (if necessary).
- Press the [Source] button on the projector.
- Press the button for the desired video source on the remote control.

Warning

- Never look into the projector lens when the light source is on. This can damage your eyes and is especially dangerous for children.
- When turning on the projector at a distance using the remote control, make sure there is no one looking into the lens.
- During projection, do not block the light from the projector with a book or other objects. If the light from the projector is blocked, the area on which the light shines becomes hot which could cause it to melt, burn, or start a fire. Also, the lens may get hot due to the reflected light which could cause the projector to malfunction. Turn off the projector to stop projection.



If you are using the projector at altitudes above 1,500 m (4,921 feet), set the **High Altitude Mode** setting to **On** in the projector's **Installation** menu to ensure the projector's internal temperature is regulated properly.

 **Installation > High Altitude Mode**

► **Related Links**

- "Operation Menu" [p.79](#)

Turn off the projector after use.



Turn off this product when it is not in use to prolong the life of the projector. Light source life varies depending on the environmental conditions and usage. Brightness decreases over time.

► Related Links

- "Turning Off the Projector (Sleep)" [p.32](#)
- "Turning Off the Projector (Shutdown)" [p.32](#)

Turning Off the Projector (Sleep)

- 1** Press the power button on the projector or the [Standby] button on the remote control.
The light source turns off, and the indicator turns off. The projector enters sleep mode.



To control the projector even when it is in sleep mode, select **System > Power & Energy** and set **Energy Modes** to **Increased**.
When set to **Increased**, standby power consumption increases, and the cooling fan continues to operate while the projector is in sleep mode.

- 2** To transport or store the projector, make sure the indicator on the projector is off, and then unplug the power cord.

Turning Off the Projector (Shutdown)

To reduce power consumption when the projector is not in use, turn off the projector completely using the remote control.



In shut down mode, the projector consumes less power than in sleep mode. It takes longer for the projector to start up the next time you turn it on than when it is in shut down mode.

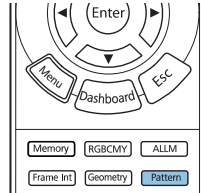
- 1** Hold down the projector's power button or the [Standby] button on the remote control.
- 2** Use the remote control to select **OK** on the shutdown confirmation screen.
The light source turns off, and the indicator turns off. The projector enters shutdown mode, reducing power consumption.
- 3** To transport or store the projector, make sure the indicator on the projector is off, and then unplug the power cord.

You can display a test pattern to adjust the projected image.



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

- 1** Turn on the projector.
- 2** Press the [Pattern] button on the remote control.



You can also display a test pattern from the projector's **Installation** menu.

- 3** Press the [Geometry] button and adjust the image, as necessary.
- 4** To exit pattern display, press the [Esc] button.

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

- **Front** 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 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 a ceiling mount and behind a translucent screen.

► Related Links

- "Changing the Projection Mode Using the Menus" [p.34](#)
- "Projector Setup and Installation Options" [p.17](#)

4 Select a projection mode and press [Enter].

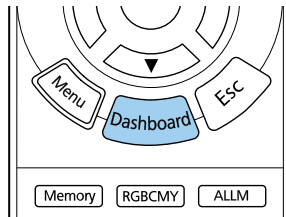
5 Press the [Esc] button to return to the previous screen. Press the [Menu] button to exit the menu.

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 [Dashboard] button on the remote control to open the **Installation** menu.

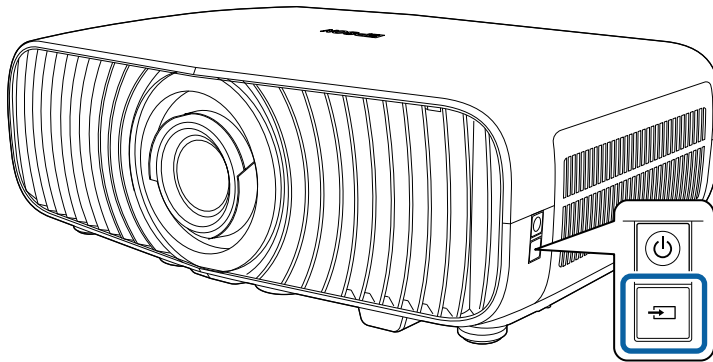


3 Select the menus in the following order:

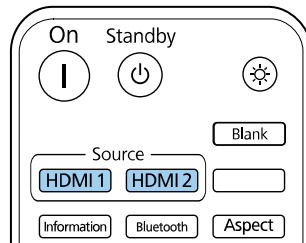
☛ **Installation > Projection**

When multiple image sources are connected to the projector, such as a computer or a media player, you can 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 Blu-ray or other video media and press play.
- 3** Do one of the following:
 - Press the [Source] button on the projector until you select the source you want.



- Press the button for the source you want on the remote control.



When no image signal is detected, check the cable connections between the projector and the image source.

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.

Attention

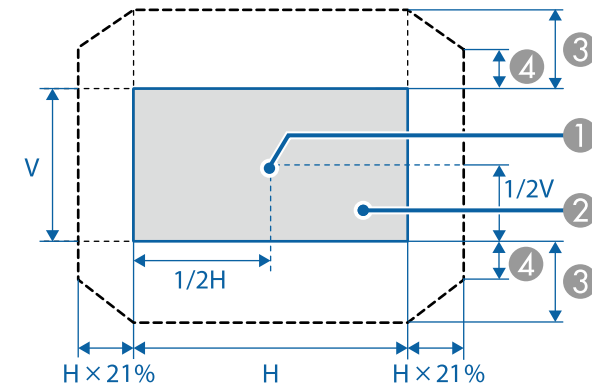
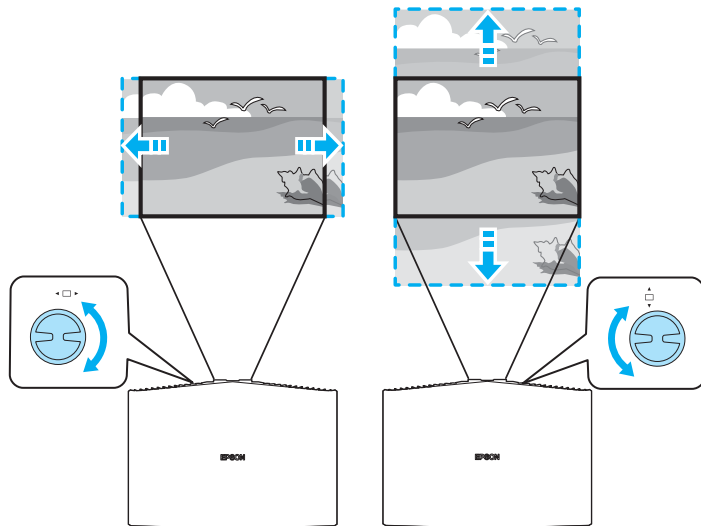
When adjusting the image position with the vertical lens shift, adjust it by moving the image from the bottom to the top. If you adjust it from the top to the bottom, the image position may move down slightly after adjusting.



- Wait 30 minutes after turning on the projector before setting the focus, zoom, and lens shift for maximum accuracy.
- Keep the vertical and horizontal lens shift dials in their center positions of the lens shift adjustment range for the clearest picture.

1 Turn on the projector and display an image.

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



- ① The center of the lens
- ② Projected image at the center of the lens shift adjustment range
- ③ Maximum range: $V \times 59\%$
- ④ When the horizontal direction is at the maximum value: $V \times 15\%$

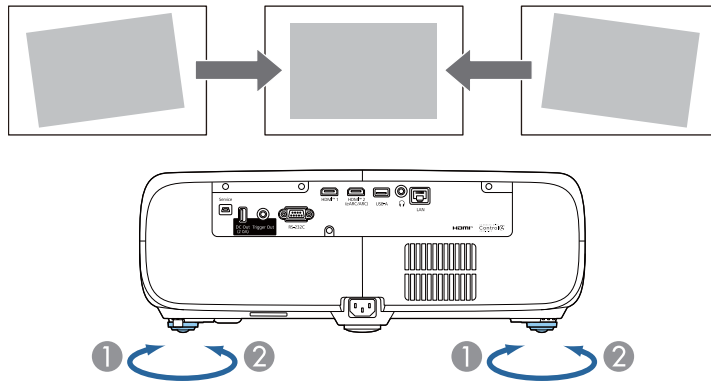


You cannot move the image horizontally when the lens is shifted vertically all the way.

The lens shift adjustment range is an approximate value.

If the projected image is tilted horizontally (the left and right sides of the projected image are at different heights) when the projector is setup on a table or other flat surface, adjust the front feet so that both sides are level with each other.

- 1** Turn on the projector and display an image.
- 2** If the image is tilted, rotate the front feet to adjust their height.

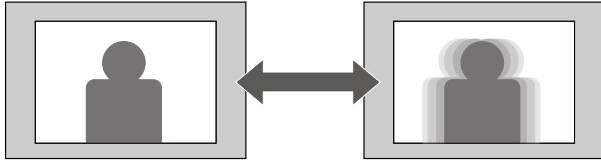


- 1** Extend the front foot
- 2** Retract the front foot

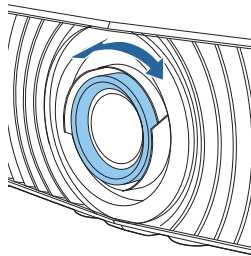
You can adjust the position up to approximately 2 degrees.

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

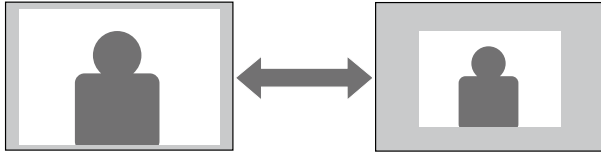
You can adjust the focus of the projected image manually.



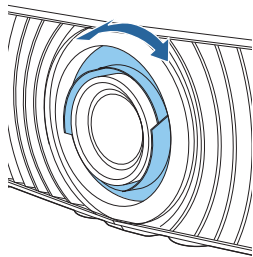
- 1** Turn on the projector and display an image.
- 2** Use the focus ring to adjust the focus of the image.



You can manually zoom the projected image in and out.



- 1** Turn on the projector and display an image.
- 2** Use the zoom ring to adjust the size of the image.



You can project an even, 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 tilt it up or down, or off to the side, you may need to correct the image shape.

After correction, your image is slightly smaller.

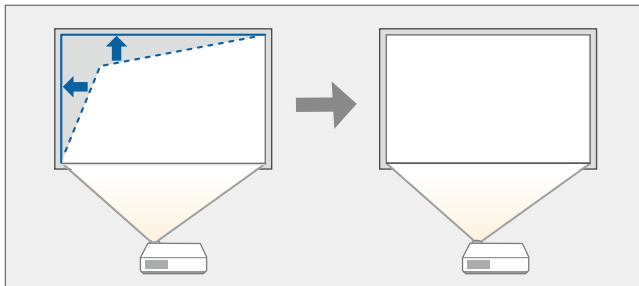
For the best quality images, we recommend adjusting the installation position of the projector to achieve the correct image size and shape.

► Related Links

- "Correcting the Image Shape with Quick Corner" [p.40](#)
- "Correcting Image Shape with Point Correction" [p.41](#)

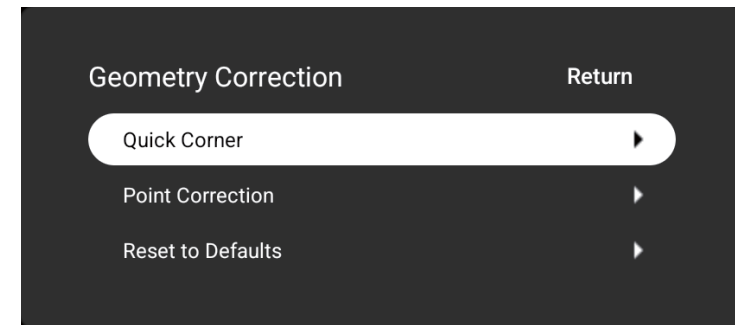
Correcting the Image Shape with Quick Corner

You can use the projector's **Quick Corner** setting to correct the shape and size of an image that is unevenly rectangular.



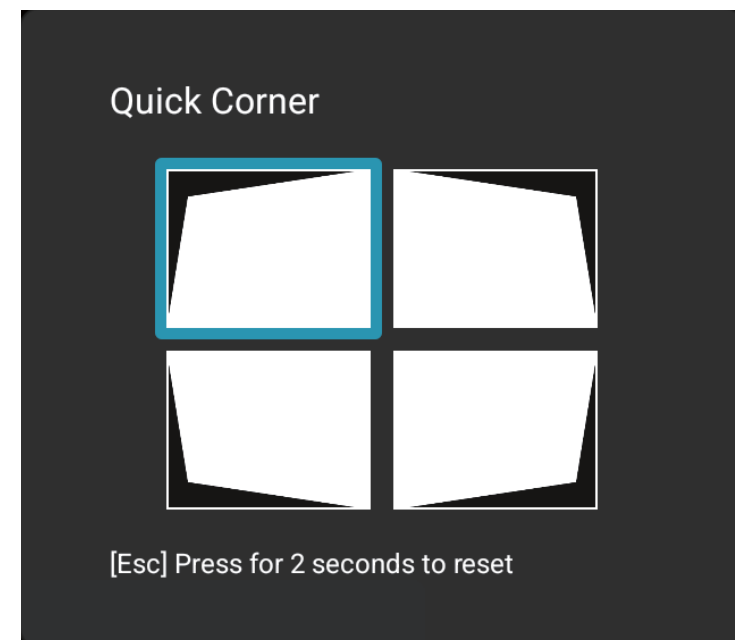
- 1** Turn on the projector and display an image.
- 2** Press the [Geometry] button on the remote control to display the **Geometry Correction** screen.
You can also select this from **Installation > Geometry Correction**.

- 3** Select **Quick Corner** and press [Enter].



You see the area selection screen.

- 4** Use the arrow buttons to select the area of the image you want to adjust. Then press [Enter].



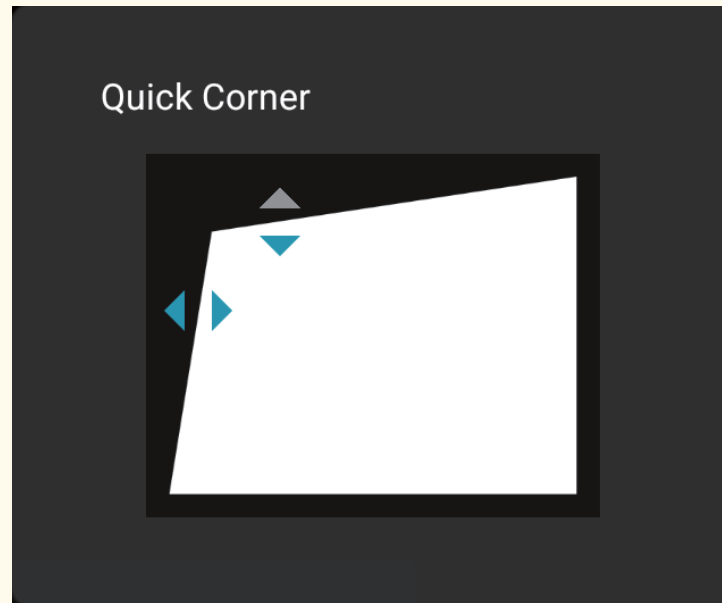


To reset the **Quick Corner** corrections, hold down [Esc] for about 2 seconds while the area selection screen is displayed, and then select **Yes**.

- 5** Press the arrow buttons to adjust the image shape as necessary.
To return to the area selection screen, press [Esc] or [Enter].



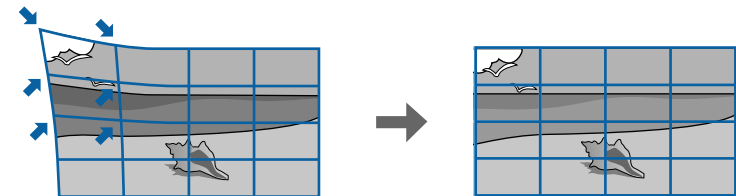
If you see this screen, you cannot adjust the shape any further in the direction indicated by the gray triangle.



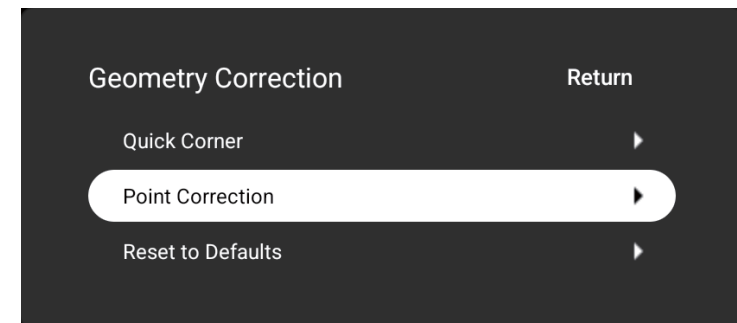
- 6** Repeat steps 4 and 5 as needed to adjust any remaining corners.
- 7** When you are finished, go back to the **Geometry Correction** screen and press [Esc] to exit the menu.

Correcting Image Shape with Point Correction

You can use the projector's **Point Correction** setting to fine-tune the image shape in portions of an image. The image is divided into a grid which allows you to move intersection points on the grid as necessary to correct distortion.



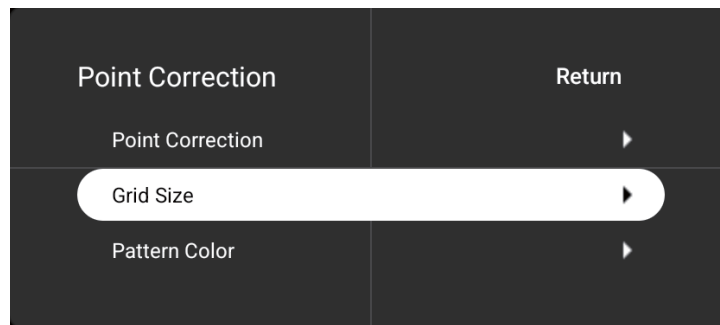
- 1** Turn on the projector and display an image.
- 2** Press the [Geometry] button on the remote control to display the **Geometry Correction** screen.
You can also select this from **Installation > Geometry Correction**.
- 3** Select **Point Correction** and press [Enter].



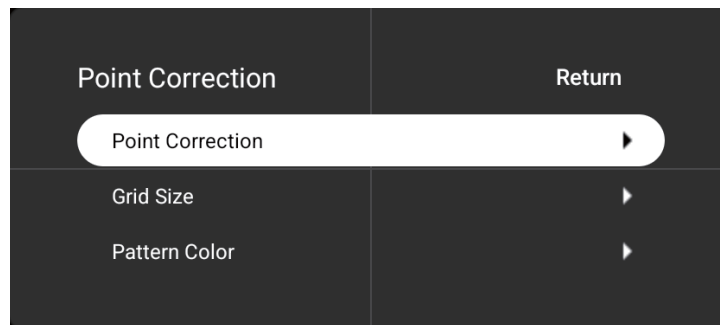
- 4** Use the arrow buttons to select the **Grid Size**, and then press [Esc] to return to the previous screen.



If you want to change the grid color for visibility, press [Esc], then select a different **Pattern Color** setting in the **Point Correction** menu.

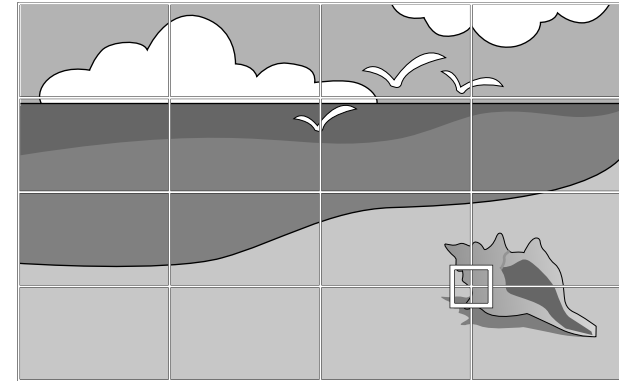


- 5** Select **Point Correction** and press [Enter].

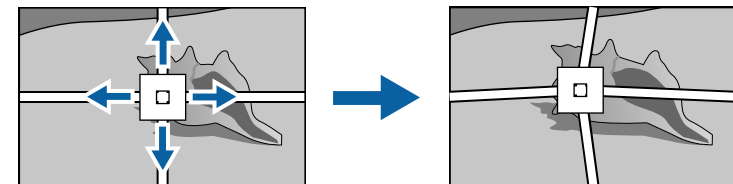


For fine tuning, select **Quick Corner** to correct the shape and size of an image roughly, and then select **Point Correction** to adjust them precisely.

- 6** Use the arrow buttons to move to the point you want to correct, then press [Enter].



- 7** Use the arrow buttons to correct distortion as necessary.



- 8** To correct any remaining points, press [Esc], then repeat steps 6 and 7.

- 9** When you are finished, press [Esc] twice to go back to the previous screen.



- To reset the **Point Correction** settings to their original positions, select **Reset to Defaults** on the **Geometry Correction** screen.

» Related Links

- "Correcting the Image Shape with Quick Corner" [p.40](#)

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, you can change the aspect ratio for certain images to fit your screen.

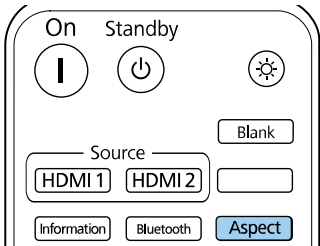
► **Related Links**

- "Changing the Image Aspect Ratio" [p.43](#)
- "Available Image Aspect Ratios" [p.43](#)

Changing the Image Aspect Ratio

You can change the aspect ratio of the displayed image.

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



- 3** Select the aspect ratio you want to use for your input signal.
- 4** Press the [Esc] button to exit the menus.

 The available aspect ratio modes vary depending on the input signal.

Available Image Aspect Ratios

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

 Note that using the aspect ratio function of the projector to reduce, enlarge, or split the projected image for commercial purposes or for public viewing may infringe upon the rights of the copyright holder of that image based on copyright law.

Aspect mode	Description
Automatic	Automatically sets the aspect ratio according to the input signal.
Super zoom	Zooms into images. The right, left, top, and bottom edges are missing.
Full	Displays images using the full size of the projection area, but does not maintain the aspect ratio.
Anamorphic Wide*	Displays images that have a 2.40:1 aspect ratio when using a commercially available anamorphic lens.
Horiz. Squeeze*	Compresses images horizontally to display them at a standard 16:9 aspect ratio when using a commercially available anamorphic lens.

* Not available for EH-LS6000/EH-LS5000.

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

► Related Links

- "Changing the Color Mode" [p.44](#)
- "Available Color Modes" [p.44](#)

Color mode	Description
Cinema	Best for enjoying content such as movies.
Natural	Reproduces colors faithfully. Best for adjusting the image color.

Changing the Color Mode

You can change the projector's color mode to optimize the image for your viewing environment.

- 1** Turn on the projector and display an image.
- 2** Press the [Picture Mode] button on the remote control.
- 3** Select the color mode you want to use from the list.
- 4** Press the [Esc] button to exit the menus.

Available Color Modes

You can set the projector to use these color modes, depending on your environment and image types.

Color mode	Description
Dynamic	This is the brightest mode. Best for prioritizing brightness.
Vivid	Best for enjoying content with bright colors.

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



This function is not available under the following conditions.

- When a problem has occurred

- 1** Turn on the projector and display an image.
- 2** Press the [Light Output] button on the remote control to display the **Light Output** adjustment gauge.
- 3** Press the arrow buttons to adjust the brightness.
- 4** Press the [Esc] button to exit the menus.

You can turn on **Dynamic Contrast** to automatically optimize the image luminance. This improves the image contrast based on the brightness of the content you project.

- 1** Turn on the projector and display an image.
- 2** Press the [Dashboard] button on the remote control to open the dashboard.
- 3** Select **Image Advanced** on the dashboard.
- 4** Select **Advanced Settings > Dynamic Contrast**.
- 5** Choose one of the following options:
 - **Off** if you do not want to adjust the brightness.
 - **Normal** for standard brightness adjustment.
 - **High Speed** to adjust brightness as soon as the scene changes.
- 6** Press the [Esc] button to return to the previous screen.

You can use the preset color correction to adjust the color of the projected image.

- 1** Turn on the projector and display an image.
- 2** Press the [Dashboard] button on the remote control, select **Image**, and press the [Enter] button.
- 3** Select **Advanced settings > Color Temperature** and select the color temperature you want to use.
- 4** Press the [Esc] button to return to the previous screen.

The projector's **Image** menu provides several options for adjusting the quality of your image based on the input source you are currently using. You can fine-tune various aspects of how quality and colors are displayed in your projected images.

See "Image & Sound Menu" for details on adjusting the image quality.

🔊 **Image & Sound > Image**

This projector does not include built-in speakers. Audio is output through external audio equipment.

Use the volume [+] / [-] buttons on the remote control to control the volume of any external speakers connected to the projector using HDMI.

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



To adjust the volume for the connected audio/video system, set the **HDMI control** setting to **On** in the projector's menu.

Inputs > Inputs > HDMI Control

- 1** Turn on the projector and start a video.
- 2** To lower or raise the volume, press the volume [+] / [-] buttons on the remote control.
A volume gauge appears on the screen.

Caution

Do not start a playback at a high volume setting. Sudden loud noises may cause hearing loss.

Always lower the volume before powering off, so that you can power on and then gradually increase the volume.

► **Related Links**

- "HDMI CEC Features" [p.52](#)

Adjusting Projector Features

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

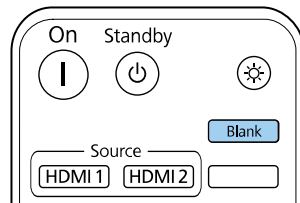
►► Related Links

- "Shutting Off the Image Temporarily" [p.51](#)
- "HDMI CEC Features" [p.52](#)
- "Saving Settings to Memory and Using Saved Settings " [p.53](#)
- "Initializing the Projector" [p.54](#)

You can temporarily shut off the projected image and sound.



- 1** Press the [Blank] button on the remote control to temporarily shut off projection.



- 2** To turn the image back on, press the [Blank] button again.



Any video action continues to run, however, so you cannot resume projection at the point that you stopped it.

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.

► Related Links

- "Operating Connected Devices Using the HDMI CEC Features" [p.52](#)

Operating Connected Devices Using the HDMI CEC Features

You can control a device connected by HDMI using the projector's remote control.



- You must also configure the connected device. See the documentation supplied with the device for more information.
- Some connected devices or functions of those devices may not operate properly even if they meet the HDMI CEC standard. See the documentation supplied with the device for more information.
- Use a cable that supports the HDMI standard.

- To automatically turn on the projector when you turn on the connected device, set **Projector auto power on** to on.

5 Press the [Menu] button to exit the menus.

You can use the projector's remote control to control the linked device such as playback, stop, or adjust the volume.

1 Press the [Menu] button on the remote control.

2 Select the menus in the following order:
Inputs > Inputs > HDMI Control

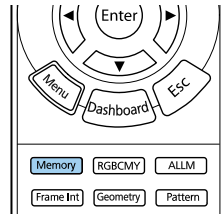
3 Set **HDMI control** to on.

4 Adjust the following HDMI CEC settings as necessary.

- To automatically turn off the connected device when you turn off the projector, set **Device auto power off** to on.

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

- 1 Turn on the projector and display an image.
- 2 Press the [Memory] button on the remote control.



The **Memory** menu is displayed.

- 3 Select one of the following options from **Image Memory**:



- You can save the following:
 - **Image** menu settings for each color mode
- The saved Color Mode is displayed on the right of the memory name.

- **Save Memory** lets you save your current settings for the projected image to the projector's memory (10 memories with different names are available).



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

- **Load Memory** lets you overwrite your current settings with saved settings.

- **Rename Memory** lets you rename a saved memory.
- **Erase Memory** lets you erase the selected memory settings.
- **Reset** lets you reset the name and settings of a saved memory.

- 4 Press [Menu] or [Esc] to exit the menus.

►► Related Links

- "Saving Settings to Memory and Using Saved Settings" [p.53](#)
- "Installation Menu" [p.76](#)

You can reset all of the projector settings to their default values.



If you initialize the projector, all the information such as installed apps, and the projector's menu settings are deleted. Write down the settings you do not want to lose before performing initialization.

- 1** Turn on the projector and display an image.
- 2** Press the [Menu] button on the remote control and select the menus in the following order:
☛ **System > About > Reset > Factory reset**
- 3** Follow the on-screen instructions to start initializing the projector.

Using the Projector on a Network

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

►► Related Links

- "Wired Network Connection" [p.56](#)
- "Wireless Network Connection" [p.58](#)

You can monitor and control your projector, over a network.

To perform these operations, connect the projector to your network, and then set up your projector and computer.



When you enable **IP Control** for the first time, if the **Web Control Password** has not been set, a screen prompting you to set a password is displayed. Follow the on-screen instructions to set the password.

► Related Links

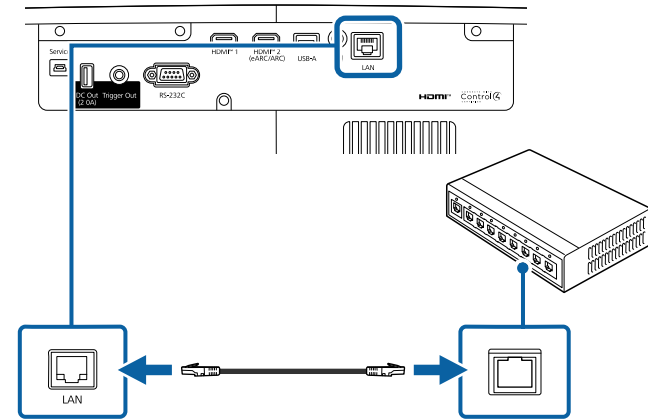
- "Connecting to a Wired Network" [p.56](#)
- "Selecting Wired Network Settings" [p.56](#)

Connecting to a Wired Network

To connect the projector to a wired local area network (LAN), use a 100Base-TX 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.



Selecting Wired Network Settings

Before you can project from computers on your network, you need to select network settings on the projector.



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

- 1 Press the [Menu] button, select the **Network** menu, and press [Enter].
- 2 From **Network > Ethernet (Wired Menu)**, select the basic options as necessary.
 - **Proxy settings** lets you enter a **Proxy hostname**, **Proxy port**, and **Bypass proxy** for.
 - **IP settings** lets you set DHCP and STATIC information, such as **IP address**, **Gateway**, and so on.



Use the displayed keyboard to enter numbers and characters. Press the arrow buttons on the remote control to highlight characters, and press [Enter] to select them.

- 3** Press [Menu] to exit the menus.

You can control your projector through a wireless network, including making firmware updates.



When you enable **IP Control** for the first time, if the **Web Control Password** has not been set, a screen prompting you to set a password is displayed. Follow the on-screen instructions to set the password.

» Related Links

- "Safety Instructions for Built-in Wireless LAN Module" [p.58](#)
- "Selecting Wireless Network Settings Manually" [p.58](#)

Safety Instructions for Built-in Wireless LAN Module

Be sure to follow these important guidelines when using a wireless LAN connection.

Warning

- Do not use the device near medical equipment such as pace makers. Furthermore, when using the device, make sure there is no medical equipment such as pace makers, in the surrounding area. Electromagnetic interference may cause medical equipment to malfunction.
- Do not use the device near automatically controlled equipment such as automatic doors or fire alarms. Electromagnetic interference may cause automatically controlled equipment to malfunction which could cause an accident.

Caution

Make sure you keep a distance of at least 20 cm (7.87 in) between the device and your body. Otherwise, it could cause you to feel unwell.

Selecting Wireless Network Settings Manually

- 1** Press the [Menu] button on the remote control and select **Network**.
- 2** Set **Wi-Fi** to **On**.
- 3** Select the Wi-Fi network you want to use, and enter the password if required.

» Related Links

- "Selecting Wireless Network Settings in Windows" [p.58](#)
- "Selecting Wireless Network Settings in Mac" [p.58](#)

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, click the network icon on the Windows taskbar.
- 2** When connecting to devices over a wireless network access point, make sure Wi-Fi is turned on and select the network name (SSID) of the network the projector is connecting to.
- 3** Click **Connect**.

Selecting Wireless Network Settings in Mac

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

- 1** Click the Wi-Fi icon on the menu bar at the top of the screen.

- 2** When connecting to devices over a wireless network access point, make sure Wi-Fi is turned on and select the network name (SSID) of the network the projector is connecting to.

Monitoring and Controlling the Projector

Follow the instructions in these sections to monitor and control the projector over a network.

►► Related Links

- "Controlling a Networked Projector Using a Web Browser (Only for EH-LS7500/EH-LS7000)" [p.61](#)
- "PJLink Support (Only for EPSON EH-LS7500/EH-LS7000)" [p.65](#)
- "Crestron Home Support (Only for EPSON EH-LS7500/EH-LS7000)" [p.66](#)
- "About the Matter App" [p.67](#)

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



- When you enable **IP Control** for the first time, if the **Web Control Password** has not been set, a screen prompting you to set a password is displayed. Follow the on-screen instructions to set the **Web Control Password**.
- Enable **IP Control** under **Network > Projector Control > IP Control** to configure the password.
- To control a network-connected projector using a web browser, log in to the Epson Web Control home screen using the user name "EPSONWEB" and the **Web Control Password**.
After logging in, you will not be required to enter the **Web Control Password** again until the browser is closed.
Before logging in, set the **Web Control Password** on the projector.
- Make sure the computer and projector are connected to the network.
- You can use the following Web browsers.
 - Microsoft Edge (Windows)
 - Safari (Mac, iOS)
 - Google Chrome (Windows, macOS, Linux, ChromeOS)
 - Chrome-based browsers on Android devices
- While using the Web browser, do not connect using a proxy server. You cannot select all of the projector menu settings or control all projector functions using a Web browser.

- 1** Make sure the projector is turned on.
- 2** Make sure your computer is connected to the same network as the projector.
- 3** Start your Web browser on the computer.

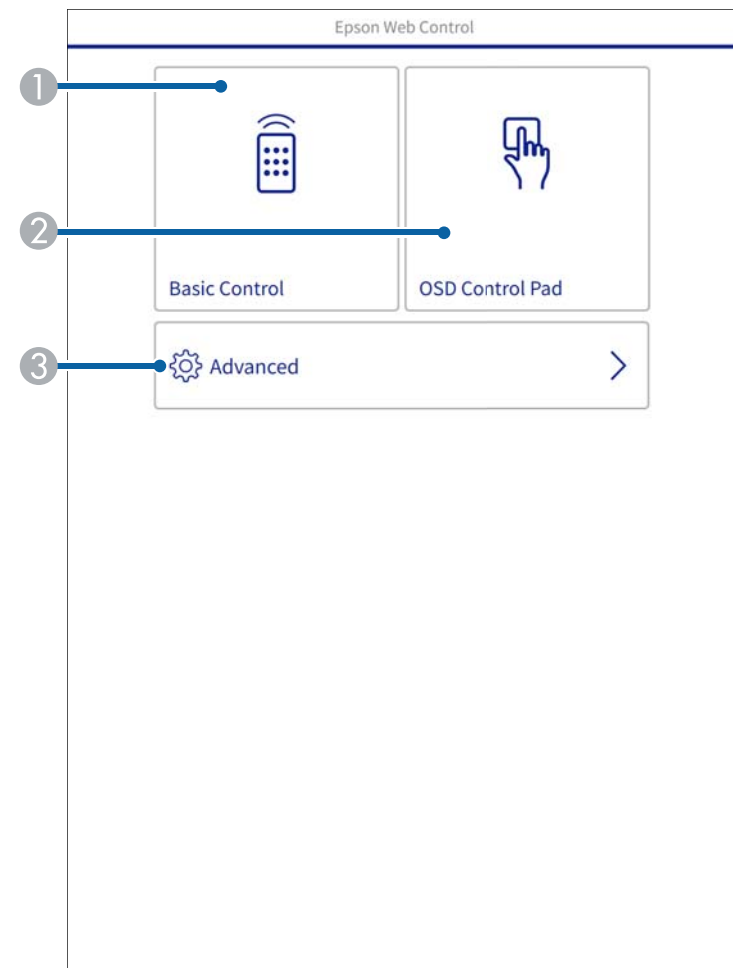
- 4** Enter the projector's IP address and port number in the browser's address bar to connect to the **Epson Web Control** screen.

The port number used is 8080 (HTTP) or 9443 (HTTPS).

Example: `https://IP address:9443`

To establish a secure connection, use "https".

The **Epson Web Control** screen is displayed.



- ① Controls the projector remotely.
- ② Touch or click to operate the projector's menu settings.
- ③ Sets detailed projector settings.

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

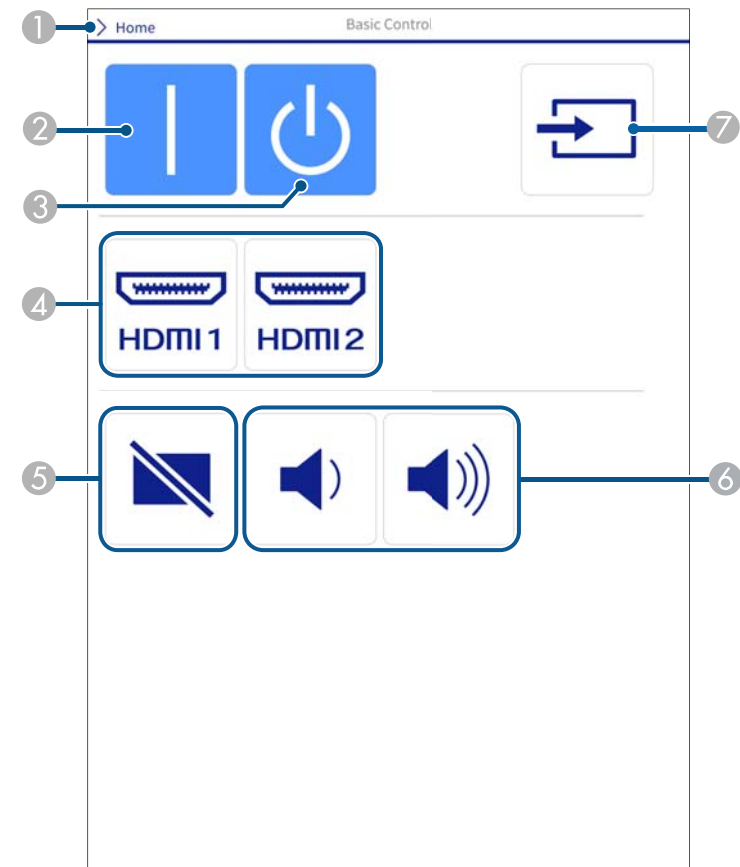
►► Related Links

- "Web Control Options" [p.62](#)

Web Control Options

Basic Control

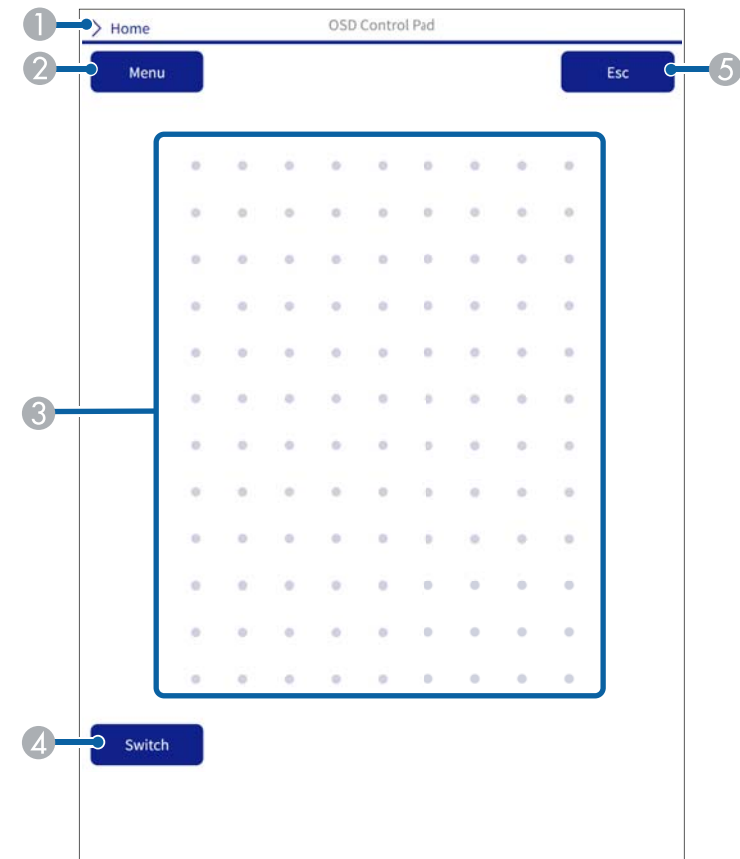
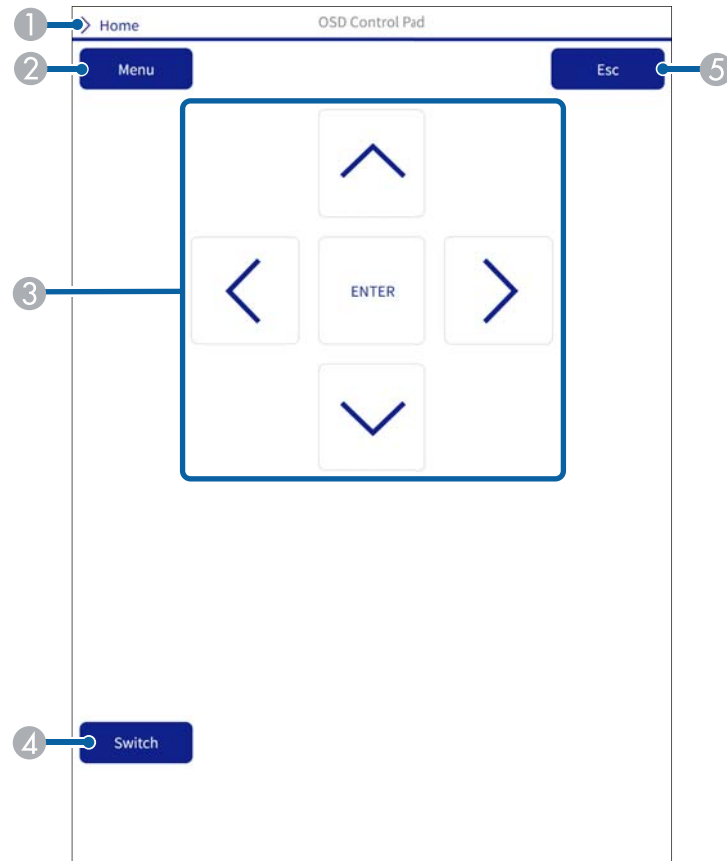
Options on the **Basic Control** screen allow you to select the input source and control the projector.



- ① Returns to the Epson Web Control screen.
- ② Turns the projector on.
- ③ Turns the projector off.
- ④ Selects the input source.
- ⑤ Turns the video and audio on or off temporarily.
- ⑥ Adjusts the speaker volume.
- ⑦ Searches for sources.

OSD Control Pad

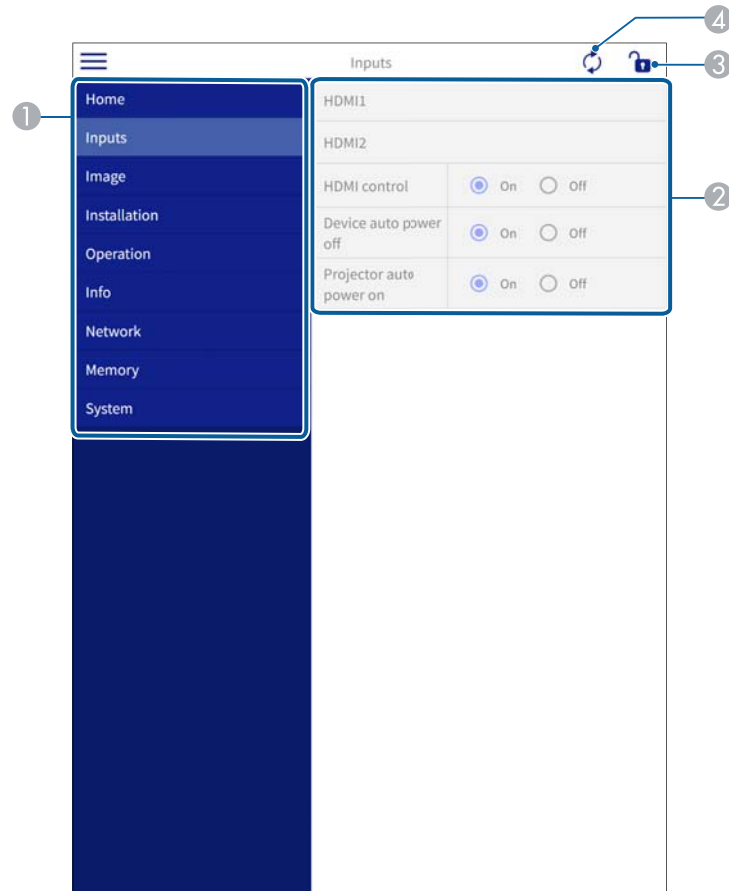
Options on the OSD Control Pad screen allow you to display the projector's setting menus and select them moving your finger or mouse on the pad.



- ① Returns to the Epson Web Control screen.
- ② Displays the projector's setting menus.
- ③ Touch or click to navigate the menus.
- ④ Switch the OSD Control Pad display.
- ⑤ Returns to the previous menu.

Advanced

The **Advanced** screen allow you to select the projector's settings.



You cannot change the following settings using Epson Web Control.

- Shut-Off Timer
- Factory reset
- Language
- Date & Time
- Batch Setup
- User Button
- Bluetooth

- 1 Displays the menu name you selected.
- 2 Specifies the projector settings. (The available settings vary depending on your projector model.)
- 3 Locks/unlocks the projector settings.
- 4 Updates the projector settings.

PJLink was established by the JBMIA (Japan Business Machine and Information System Industries Association) as a standard protocol for controlling network-compatible projector's as part of their efforts to standardize projector control protocols.

The projector complies with the PJLink Class2 (Version 2.10) standard established by the JBMIA.

The port number used for the PJLink search function is 4352 (UDP).

You need to make network settings before you can use PJLink.

It complies with all commands except for the following commands defined by PJLink Class2, and agreement was confirmed by the PJLink standard adaptability verification.

<http://pjlink.jbmia.or.jp/english/>

- Non-compatible commands

Function		PJLink command
Mute settings	Image muting set	AVMT 11
	Audio muting set	AVMT 21

- Input ports and corresponding input source number

Input port name	Input source number
HDMI1	32
HDMI2	33

- Manufacturer name displayed for "Manufacture name information query"
EPSON
- Model name displayed for "Product name information query"
EPSON EH-LS7500/EH-LS7000

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



- You cannot use the Message Broadcasting feature in Epson Projector Management when you use Crestron Home.

For additional information on Crestron Home, visit the Crestron Web site.

<https://www.crestron.com/>

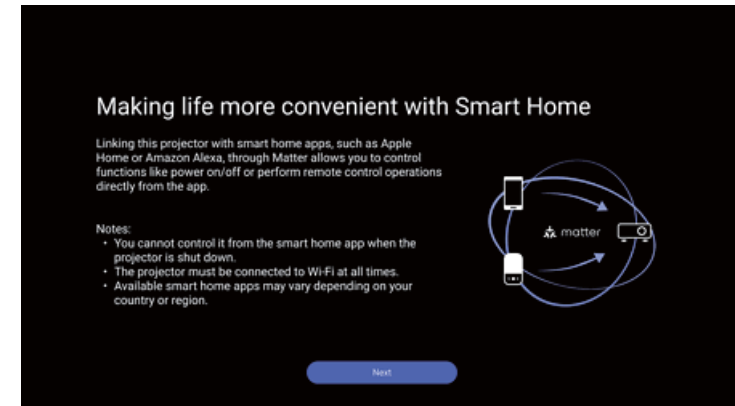
This projector supports Matter™.

By linking this product with a Matter-compatible smart home application, you can turn the projector on or off from the app when the projector is in normal mode or in sleep mode with no image being projected.



- When using Matter, set **Energy Mode** to **Increased**, which allows the projector to remain connected to the network at all times.
If any setting other than **Increased** is selected, the projector may not respond to operations from the smart home application while the power is turned off.
🔌 **System > Power & Energy > Energy Modes**
- Matter cannot be used unless the projector is connected to a Wi-Fi network.
- Available functions may vary depending on the smart home application used.

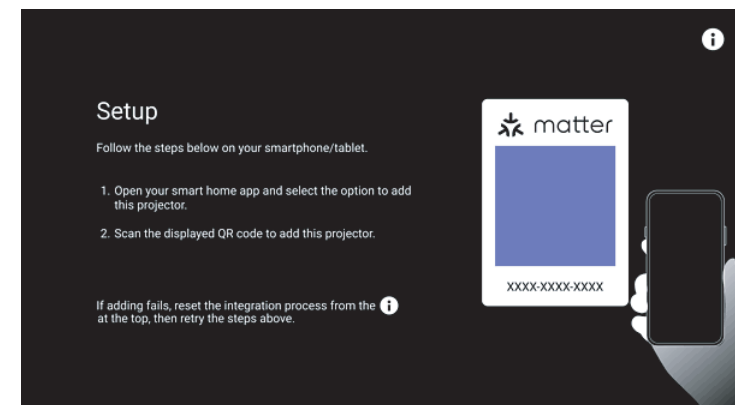
- 1** Turn on the projector and display an image.
- 2** Press the [Menu] button on the remote control.
- 3** Select **Network > Smart Home Integration with Matter**.
When the following screen is displayed, select **Next**.



- 4** Use your smartphone or tablet to scan the QR code shown on the screen.



- Make sure that your smartphone or tablet is connected to a Wi-Fi network.
- Selecting the [i] button in the upper-right corner of the screen displays the version information and allows you to restart the setup process.



- 5** Add the projector to your smart home application.
- 6** Follow the on-screen instructions to complete the setup.

Adjusting the Menu Settings

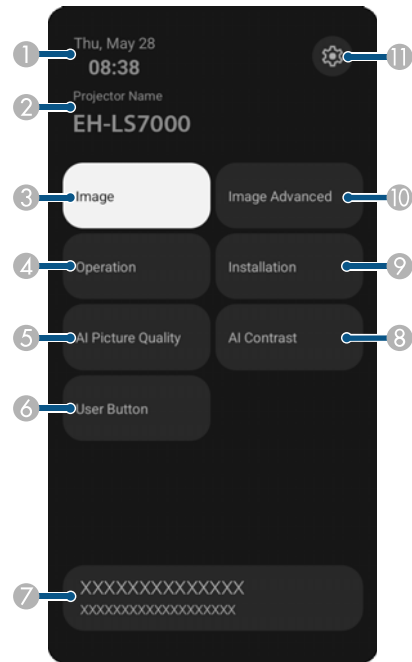
Follow the instructions in these sections to access the projector menu system and change projector settings.

►► Related Links

- "Using the Projector's Dashboard" [p.70](#)
- "Using the Projector's Menus" [p.71](#)
- "Inputs Menu" [p.72](#)
- "Image & Sound Menu" [p.73](#)
- "Installation Menu" [p.76](#)
- "Network Menu" [p.77](#)
- "Other Menus" [p.79](#)
- "Copying Menu Settings Between Projectors (Batch Setup)" [p.81](#)

[Dashboard] lets you move directly to the frequently used menus.

- 1
- Press the [Dashboard] button on the remote control to display the dashboard screen.



Name		Function
1	Date/Time	Displays the current date and time.
2	Projector Name	Displays the name of the projector currently in use.
3	Image	Opens the Image settings screen, where you can adjust picture modes and basic image quality settings.

Name		Function
4	Operation	Opens the Operation settings screen, where you can configure general projector behavior options such as power, menus, and system operations.
5	AI Picture Quality	Opens the AI Picture Quality settings screen, where you can enable or adjust AI-based picture enhancement features.
6	User Button	Opens the User Button settings screen, where you can assign a shortcut function such as Gamma, Digital Output, Blanking, or Wi-Fi, to the User Button on the remote control for quick access.
7	System notification area	If a network update notification is displayed, select it and press [Enter] to open the update application.
8	AI Contrast	Opens the AI Contrast settings screen, where you can adjust dynamic contrast using AI processing.
9	Installation	Opens the Installation settings screen, where you can configure projection orientation, placement, and geometric corrections.
10	Image Advanced	Opens the Image Advanced settings screen, where you can access detailed picture controls such as color temperature, gamma, and other fine-tuning options.
11	Menu	Opens the full settings menu for all projector configuration categories.

- 2
- Use the projector's arrow buttons to select a menu.

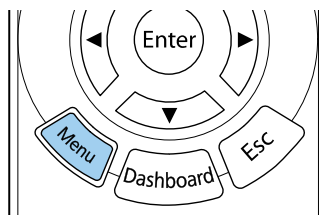
You can use the projector's menus to adjust the settings that control how your projector works. The projector displays the menus on the screen.



Menu names are subject to change without notice.

Menu names may vary depending on the firmware version.

- 1** Press the [Menu] button on the remote control.



Name	Function
Inputs	Lets you control the audio/video device you are currently using.
Image & Sound	Lets you adjust the quality of your image. The available settings depend on the currently selected color mode and input source. You can also use the Audio Output settings to select how sound is output to external devices and to adjust any audio–video synchronization delay.
Installation	Lets you set up your projector in your installation environment.
Operation	Lets you customize various projector features.
Network	Lets you view network information and set up the projector for control over a network.
Privacy	Lets you change your privacy and security settings.

Name	Function
Apps	Displays your most recently used apps or all apps installed on the projector.
Memory	Lets you save and load projector settings to the projector's memory.
System	Lets you customize various projector features.
Bluetooth	Lets you pair or connect/disconnect your Bluetooth devices to the projector.

- 2** Press the up or down arrow buttons to move through the menus listed on the screen.
- 3** To change settings in the displayed menu, press the [Enter] button.
- 4** Press the arrow buttons to move through the settings.
- 5** Change the settings using the buttons as necessary.
- 6** When you finish changing settings on a menu, press [Menu] or [Esc] to exit the menus.

Settings on the **Inputs** menu let you control the audio/video device you are currently using.

Setting	Options	Description
Inputs	HDMI1 HDMI2 (eARC/ ARC)	The HDMI input ports receive signals from connected video devices. If image noise occurs or no image is displayed, adjusting the HDMI input EDID settings may resolve the problem. EDID settings can be configured separately for each HDMI input without changing the input source. Select the EDID version to be used under HDMI EDID version .
	HDMI control	Select On to control the device connected via HDMI using the projector's remote control.
	Device auto power off	Select On to automatically turn off the connected device when you turn off the projector.
	Projector auto power on	Select On to automatically turn on the projector when you turn on the connected device.
	CEC Device List	Select to view all devices currently connected and detected through HDMI-CEC.

Settings on the **Image & Sound** menu let you adjust the quality of your image. The available settings depend on the currently selected color mode and input source.

You can also use the **Audio Output** settings to select how sound is output to external devices and to adjust any audio–video synchronization delay.

Setting	Options	Description
Image	See the list of available color modes	Adjusts the overall image quality in details.
Screen	Aspect	Sets the aspect ratio (width-to-height ratio) for the input source. (This setting is available only when the current input source is HDMI.)
Audio Output	Digital Output	Selects the sound output format when you output audio to an external audio device.
	Digital Output Delay	Adjusts the audio latency. If the audio is fast, select a higher value.
	Bluetooth Delay	Adjusts the audio delay when outputting sound to a Bluetooth device. Use this setting to help synchronize audio with on-screen images if you notice a gap between the sound and video.

► Related Links

- "Image Menu" [p.73](#)

Image Menu

Settings on the **Image** menu let you adjust the quality of your image.

Setting	Options	Description
Picture Mode	Dynamic Vivid Cinema Natural	Select your favorite color mode from the list.
Light Output	Various levels available	Adjusts the brightness of the light source. You cannot adjust the brightness if the brightness of the light source dims because the surrounding temperature is too high or for other factors.
Brightness	Various levels available	Lightens or darkens the overall image.
Contrast	Various levels available	Adjusts the difference between light and dark areas of the image.
Saturation	Various levels available	Adjusts the overall vividness of the color.
Tint	Various levels available	Adjusts the balance of green to magenta tones in the image.
Sharpness	Various levels available	Adjusts the sharpness or softness of image details.
Advanced settings	Various settings available	See the table below for details.
Reset to Default	—	Resets all adjustment values on the Image menu to their default settings.

► Related Links

- "Advanced Settings" [p.74](#)

Advanced Settings

Setting	Options	Description
Color Temperature	Cool Standard Warm	You can adjust the Color Temperature setting. Selecting Cool produces a bluish image. Selecting Warm produces a reddish image.
HDR	On Off	Enables or disables HDR . When set to On , the image contrast is enhanced, making details easier to see in both dark and bright areas. When set to Off , the image is displayed with standard contrast.
DNR	Off Low Medium Strong	Reduces flickering in images.
MPEG NR	Off Low Medium Strong	Reduces the noise or artifacts seen in MPEG video.
Dynamic Contrast	Off Normal High Speed	Adjusts the projected luminance based on the image brightness.
Scene Adaptive Gamma	Off Low Medium Strong	Adjusts the coloring according to the scene, and obtains a more vivid image. Select a large number to enhance contrast.

Setting	Options	Description
Dynamic Color Booster	Off Low Medium High	Automatically adjusts saturation according to the scene and makes the projected image colorful.
Gamma	Dark Normal Bright	Adjusts the coloring by selecting one of the gamma correction values.
Game Mode	On Off	Prioritizes reduced input latency. When set to On , the projector operates with minimized input lag. When set to Off , the projector operates with priority given to image quality.  Game Mode can be set only when ALLM is set to Off.
ALLM	On Off	When ALLM is set to On , the display automatically switches to a low-latency mode based on the signal from the connected device. This enables low-latency operation to reduce input lag without requiring manual adjustment. In this mode, some image processing features, such as Frame Interpolation , may be limited. When ALLM is set to Off , the projector does not automatically switch to low-latency mode (Game Mode) based on the input device or content. The display mode (such as Game Mode) operates according to the settings manually selected by the user.

Setting	Options	Description
Frame Interpolation	Off Low Middle High User	Adjusts the smoothness of image movement.
	Deblur	Reduces motion blur at various levels to make fast-moving objects appear sharper and clearer.
	Dejudder	Smooths out judder in low-frame-rate content at various levels by adding intermediate frames for more fluid motion.
HDMI RGB Range	Auto Full Limit	Sets the video range to match the setting of the device connected to the HDMI port.
Color Space	Auto sRGB/BT.709 BT.2020 Adobe RGB DCI	Sets the conversion system for the color space.
AISR	Off Low Middle High	Highlights the sharpness of the image by using image analysis with AI technology.
De-Contour	Off Low Middle High	Reduces banding noise in the image.

Setting	Options	Description
Low Blue Light	Off Low Middle High	Reduces blue light in the projected image.
Color Tuner	Enable HUE Saturation Brightness Offset Gain	Adjusts detailed color settings to fine-tune image accuracy. Set Enable to On to enable the Color Tuner settings. Adjusts the individual R (red), G (green), B (blue), C (cyan), M (magenta), Y (yellow), and Flesh Tone components of the Hue , Saturation , and Brightness settings. Adjusts the individual R (red), G (green), and B (blue) components of the offset and gain.
AIPQ	On Off	Uses AI-based image analysis technology to optimize and correct image quality.
AI Contrast	Off Low Medium Strong	Uses AI technology to enhance image contrast.

Settings on the **Installation** menu help you set up your projector in your installation environment.

Setting	Options	Description
Test Pattern	-	Displays a test pattern to assist in focusing and zooming the image and correcting image shape.
Projection	Front Front/Ceiling Rear Rear/Ceiling	Sets the way the projector faces the screen so the image is oriented correctly.
Geometry Correction	Quick Corner	Corrects image shape and alignment using an on-screen display.
	Point Correction	Divides the projected image into a grid and corrects the distortion by moving the selected point of intersection from side to side and up and down.
	Reset to Defaults	Returns the selected setting to its default value.
Blanking	Top Bottom Left Right	Hides an area of the projected image that you select using the arrow buttons.
High Altitude Mode	On Off	Regulates the projector's operating temperature at altitudes above 1,500 m (4,921 feet).

► Related Links

- "Changing a Projection Mode" [p.34](#)
- "Projector Setup and Installation Options" [p.17](#)
- "Image Shape" [p.40](#)

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

Setting	Options	Description
Wi-Fi	On Off	Set to On to enable wireless connection. A list of available networks is displayed.
Add new network	SSID	Lets you manually add a wireless network by entering the SSID and adjusting advanced connection settings.
Scanning always available	On Off	Lets the projector continue scanning for Wi-Fi networks even when Wi-Fi is turned off, enabling quicker detection and setup of new networks.
Ethernet	Connected Proxy settings IP settings	Displays the wired network connection status and lets you configure proxy and IP settings for the Ethernet connection.
Network Priority	Ethernet Wi-Fi	Sets which network type the projector prioritizes when both Ethernet and Wi-Fi connections are available.
Projector Control	IP Control	When set to On , the projector can be controlled over the network using IP-based commands. When using IP Control , set Energy Modes to Increased to keep the network connection active at all times. If a mode other than Increased is selected, the projector may not be controllable while it is in standby mode.

Setting	Options	Description
	Web Control Password*	8 up to 32 alphanumeric characters (do not use * : spaces). Enter a password for accessing the projector over the Web. (The user name is EPSONWEB. No password is set by default.)
	Command Communication	Selects the authentication method for command communication. Set to Protected when performing a digest authentication using Web Control Password . Set to Compatible when performing plain text authentication using the Monitor Password . Select Compatible when monitoring projectors with a switcher and a system controller.
	Monitor Password	8 up to 32 alphanumeric characters (do not use * : spaces). Enter a password for monitoring projectors with a switcher and a system controller. Make sure that the Monitor Password matches the password set for the switcher or the system controller.
	Basic Control*	Set to On to monitor and control the projector using Basic Control in Epson Web Control.
	PJLink*	Set to On to enable the PJLink function.
	AMX Device Discovery*	Set to On when you want to allow the projector to be detected by AMX Device Discovery .

Setting	Options	Description
	Control4 SDDP*	Set to On to allow device information to be acquired using Control4 Simple Device Discovery Protocol (SDDP).
Smart Home Integration with Matter	-	This projector supports Matter™. The projector can be powered on and off from the application. When using Matter, set Energy Modes to Increased to keep the projector continuously connected to the network. If Energy Modes is set to any option other than Increased, the projector may not respond to operations from a smart home application while the power is off. 🖱️ System > Power & Energy > Energy Modes  Available functions vary depending on the smart home application you use.

* Not available for EH-LS6000/EH-LS5000.

Options on other menus let you customize various projector's OS features.

►► Related Links

- "Operation Menu" [p.79](#)
- "Memory Menu" [p.80](#)
- "Privacy Menu" [p.80](#)
- "Apps Menu" [p.80](#)
- "System Menu" [p.80](#)
- "Bluetooth Menu" [p.80](#)

Operation Menu

Settings on the **Operation** menu let you customize various projector features.

Setting	Options	Description
Messages	On Off	Set to On to display messages such as input source name, color mode name, aspect ratio, no signal message, or high temperature warning on your projected image.
Panel Alignment	Panel Alignment Select Color Pattern Color Reset	Corrects color misalignment in the projected image. When Panel Alignment is set to On , the [Next] button appears. Click the button to start adjustments.
Indicators	On Off	Set to Off to turn off the indicator lights on the projector except when an error or warning occurs.

Setting	Options	Description
Trigger Out	Off Power Anamorphic Wide	Outputs a DC 12V signal at 200 mA maximum from the 3.5 mm mini-jack Trigger Out port whenever the projector is turned on. If you select Anamorphic Wide, voltage is only output from the Trigger Out port when the Aspect setting is set to Anamorphic Wide or Horiz.Squeeze.  • The Trigger Out port is not available for EH-LS6000/EH-LS5000. • Changes to the Trigger Out menu settings take effect when the power is turned on.
User Button	-	Lets you assign a preferred function to the remote control from the following: • Gamma • Digital Output • Blanking • Wi-Fi

►► Related Links

- "Turning On the Projector" [p.30](#)
- "Adjusting the Color Convergence (Panel Alignment)" [p.91](#)

Memory Menu

Settings on the **Image Memory** in the **Memory** menu let you save and load projector settings in the projector's memory.

Setting	Description
Save Memory	Saves the current image settings to one of the available memory slots.
Load Memory	Loads image settings previously saved in a selected memory slot.
Rename Memory	Changes the name of a saved memory slot.
Erase Memory	Deletes the settings stored in the selected memory slot.
Reset	Resets all Image Memory slots to their default state.

Privacy Menu

Settings on the **Privacy** menu let you change your privacy and security settings.

Apps Menu

The **Apps** menu displays your most recently used apps or all the apps that are installed on the projector.

System Menu

Settings on the **System** menu let you customize various projector features.

Setting	Description
Power & Energy	Allows you to make settings for power and energy saving.  Note that sleep power consumption increases when Energy Modes is set to Increased.
About	Displays the projector's preferences and status. You can return all the projector settings to their factory default values from this menu.
Date & Time	Adjusts the projector's system time and date settings.
Language	Select the language used for the projector menus and messages.
Batch Setup	Exports or imports the projector's menu settings.
Restart	Restarts the projector.

Bluetooth Menu

Settings on the **Bluetooth** menu let you connect/disconnect your Bluetooth devices to the projector.

After selecting the projector's menu settings for one projector, you can use the following methods to copy the settings to other projectors, as long as they are the same model.

- by using a USB flash drive

You can import or export the following menu settings from one projector to another of the same model using a USB flash drive:

- Image
- Image Memory

Caution

Epson takes no responsibility for batch setup failures and associated repair costs due to power outages, communication errors, or other problems that may cause such failures.

» Related Links

- "Exporting Settings to a USB Flash Drive" [p.81](#)
- "Importing Settings from a USB Flash Drive" [p.81](#)

Exporting Settings to a USB Flash Drive

You can use a USB flash drive to export the **Image** and **Image Memory** settings between projectors of the same model.



The USB flash drive must use a FAT 16/32 format and not incorporate any security function. Delete any files on the drive before using it for batch setup or the settings may not be saved correctly.

- 1** From **Batch Setup** in the **System** menu, select **Export**.
- 2** Connect an empty USB flash drive directly to the projector's USB-A port when prompted to do so.

- 3** Select **Yes** to start exporting the menu settings.

- 4** When exporting is complete, the "Exporting complete" message is displayed.



The file name for the batch setup file is batchsetup.bin. If you change the "batchsetup" section of the file name, the projector may not be able to recognize the file correctly.

- 5** Remove the USB flash drive.

Importing Settings from a USB Flash Drive

You can use a USB flash drive to import the **Image** and **Image Memory** settings between projectors of the same model.



The USB flash drive must use a FAT 16/32 format and not incorporate any security function.

- 1** From **Batch Setup** in the **System** menu, select **Import**.
- 2** Connect a USB flash drive containing only the exported data directly to the projector's USB-A port when prompted to do so.
- 3** Select **Yes** to start importing the menu settings.

Caution

Do not disconnect the power cord or the USB flash drive from the projector while the file is being written. If the power cord or USB flash drive is disconnected, the projector may not start correctly.

- 4** When importing is complete, remove the USB flash drive.

Maintaining the Projector

Follow the instructions in these sections to maintain your projector.

►► Related Links

- "Projector Maintenance" [p.84](#)
- "Cleaning the Lens" [p.85](#)
- "Cleaning the Projector Case" [p.86](#)
- "Air Filter and Vent Maintenance" [p.87](#)
- "Adjusting the Color Convergence (Panel Alignment)" [p.91](#)
- "Updating Projector Firmware" [p.93](#)

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

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

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.

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 clean and dry lens-cleaning paper.
- If the lens is dusty, blow off dust using a blower, and then wipe the lens.

Warning

- Before cleaning the lens, turn off the projector and unplug the power cord.
- Do not use a lens cleaner that contains flammable gas. The high heat generated by the projector may cause a fire.

Attention

- Do not wipe the lens right after you turn off the projector. Doing so could damage the lens.
- Do not use any harsh materials to clean the lens and do not subject the lens to any impacts; otherwise, it could be damaged.

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.

Attention

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

Regular filter maintenance is important to maintain your projector. Clean the air filter when a message appears telling you the temperature inside the projector has reached a high level. It is recommended that you clean these parts over a 5,000 hour period. Clean them more often than this if you use the projector in an environment that is dustier than expected. (Assuming the projector is used in an atmosphere in which airborne particulate matter is less than 0.04 to 0.2 mg/m³.)

Attention

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.

► Related Links

- "Cleaning the Air Filters and Intake Vents" [p.87](#)
- "Replacing the Air Filter" [p.89](#)

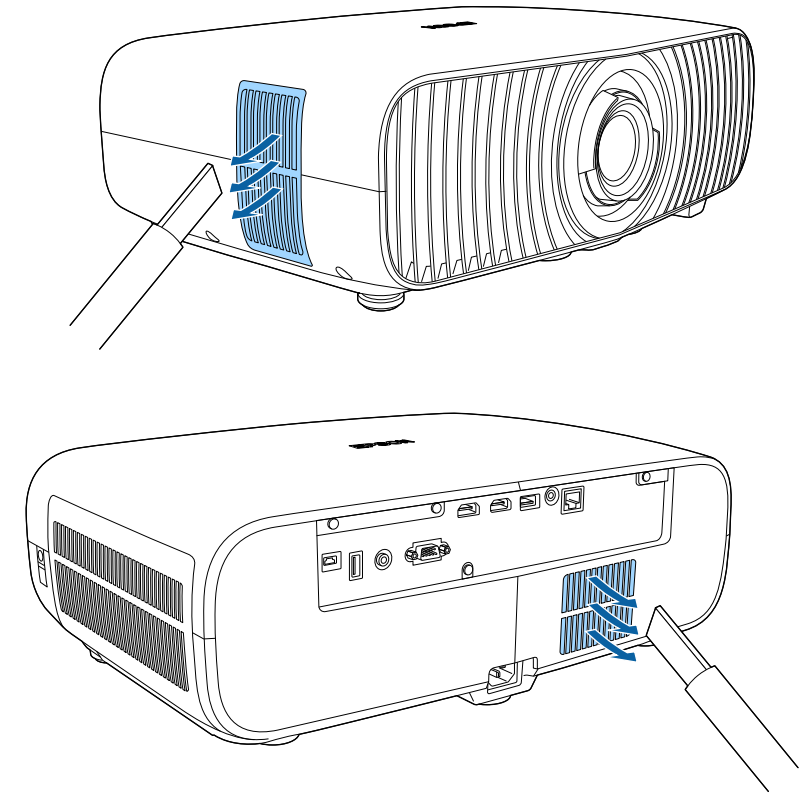
Cleaning the Air Filters and Intake Vents

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

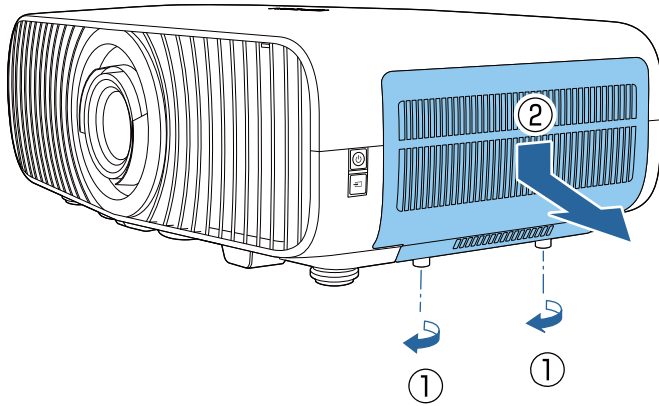
- The filter or vents get dusty.
- You see a message telling you to clean it.

1 Turn off the projector and unplug the power cord.

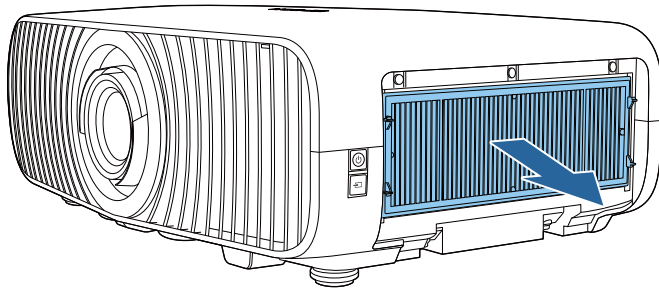
2 Carefully remove the dust using a vacuum cleaner or a brush.



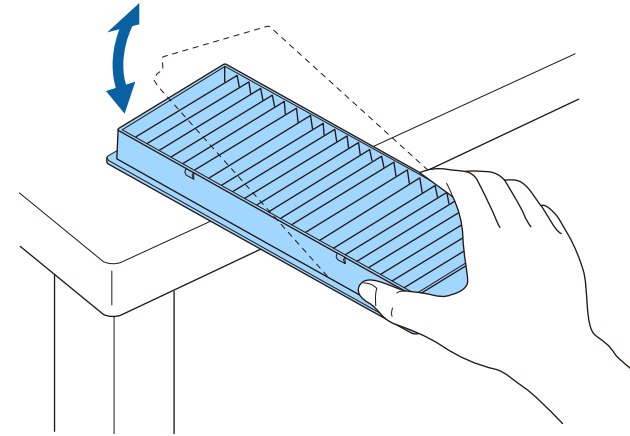
- 3** Loosen the screws and remove the air filter cover.



- 4** Pull the air filter out of the projector.



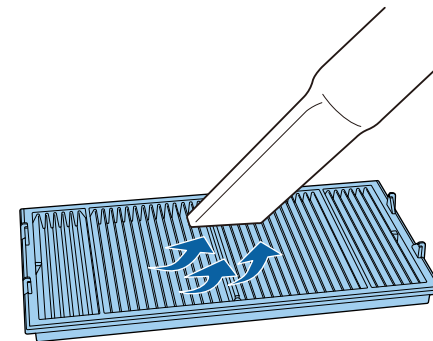
- 5** Tap each side of the air filter 4 to 5 times to shake off any excess dust.



Attention

Do not use excessive force when tapping the air filter, or it may crack and become unusable.

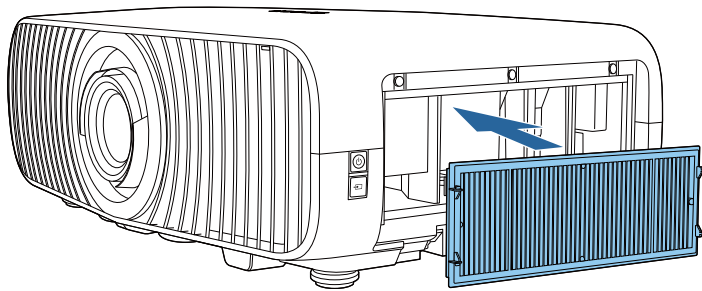
- 6** Vacuum the front of the air filter (the side with the tabs) to remove any remaining dust.



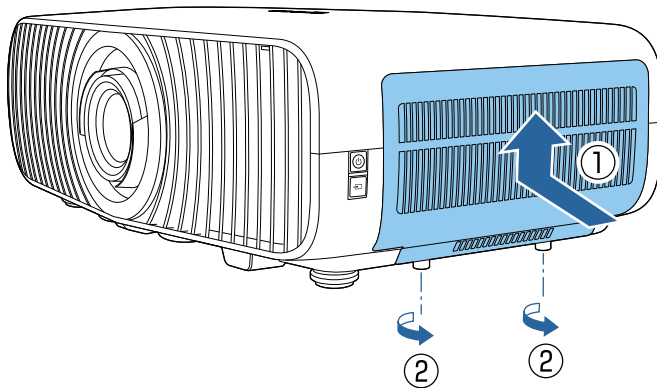
Attention

- 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 flammable residue or push dust and debris into the projector's optics or other sensitive areas.

- 7** Place the air filter in the projector as shown.



- 8** Close the air filter cover and tighten the screws.



Replacing the Air Filter

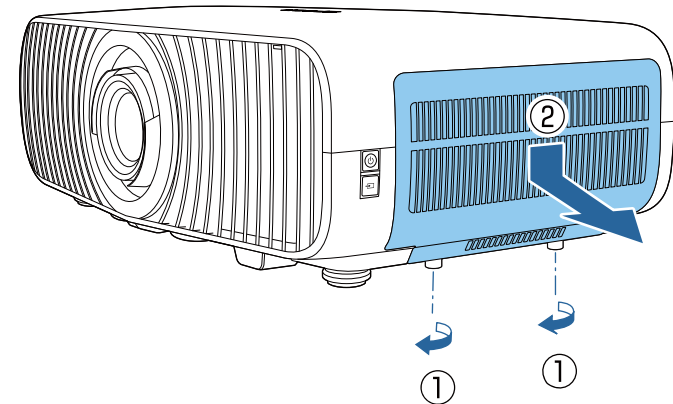
You need to replace the air filter in the following situations:

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

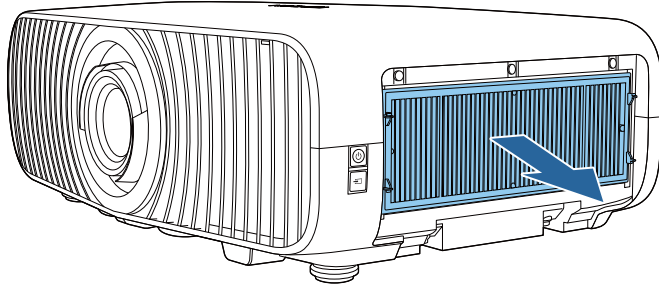
You can replace the air filter while the projector is mounted to the ceiling or placed on a table.

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

- 2** Loosen the screws and remove the air filter cover.



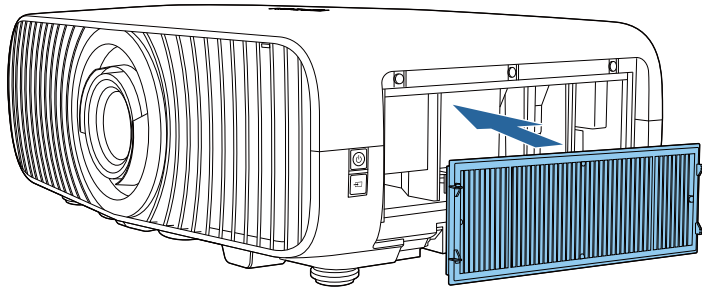
- 3** Pull the air filter out of the projector.



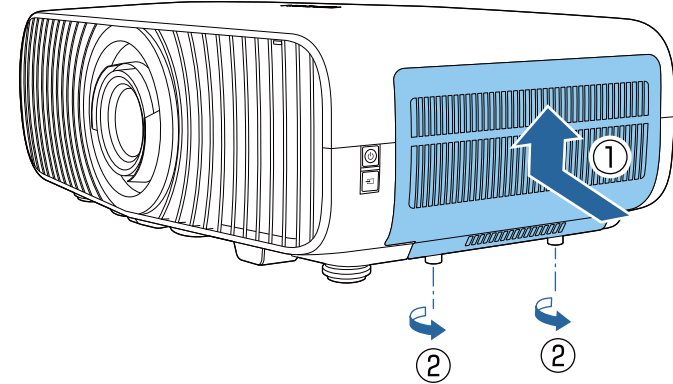
Dispose of used air filters according to local regulations.

- Filter frame: Polypropylene
- Filter: Polypropylene

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



- 5** Close the air filter cover and tighten the screws.



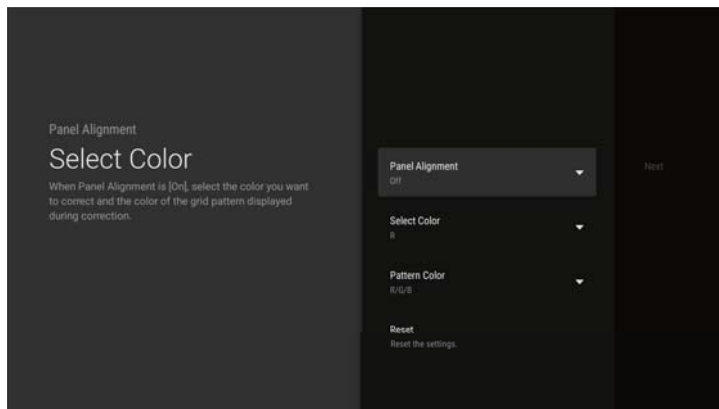
You can use the Panel Alignment feature to manually adjust the color convergence (the alignment of the red and blue colors) in the projected image. You can adjust the pixels horizontally and vertically in increments of 0.125 pixels within a range of ± 3 pixels.



- You can adjust only the red or blue color convergence. Green is the standard color panel and cannot be adjusted.
- Image quality may decline after performing Panel Alignment.
- Images for pixels that extend beyond the edge of the projected screen are not displayed.

1 Press the [Menu] button on the remote control to open the **Operation** menu.

2 Select **Panel Alignment**.



3 Select **Panel Alignment** and set it to **On**.

4 Select **Select Color** and choose one of the following:

- **R** to adjust the red color convergence.

- **B** to adjust the blue color convergence.

5 Select **Pattern Color** and choose the grid color displayed when making adjustments. The available color varies depending on the **Select Color** setting.

- **R/G/B** to display the grid color in white.
- **R/G** to display the grid color in yellow. **R/G** is only displayed when **Select Color** is set to **R**.
- **G/B** to display the grid color in cyan. **G/B** is only displayed when **Select Color** is set to **B**.

6 Select **Next**.

7 Select one of the following options on the **Select Method** screen:

- Select **Whole Panel** to adjust the entire panel at the same time and go to the next step.
- Select **Four Corners** to adjust the corners of the panel one at a time and go to step 11.

8 Use the arrow buttons on the remote control to adjust the color alignment selected in **Select Color**, and then press [Enter].



Adjustment affects the grid lines in the entire screen.

9 Select one of the following options:

- Select **Adjust the four corners** to fine-tune your adjustments.
- Select **Exit** to finish adjustments.

10 Use the arrow buttons on the remote control to adjust the color alignment of the screen corner, and then press [Enter].

11 When you are finished adjusting each corner of the screen, press [Enter].

12 Select one of the following options:

- If your projector needs additional panel alignment, select **Fine Adjustment**. Use the arrow buttons on the remote control to highlight the corner of any misaligned box on the screen, press [Enter], make any necessary adjustments, and then press [Enter] again. Repeat this step as necessary for the other intersections.
- Select **Exit** to finish adjustments.



If the projector is always connected to the network, a notification automatically appears on the dashboard when the latest projector firmware is available.

Follow the on-screen instructions to update the firmware. To keep the projector always connected to the network, you need to set **Energy Mode** to **Increased**.

☛ **System > Power & Energy > Energy Modes**



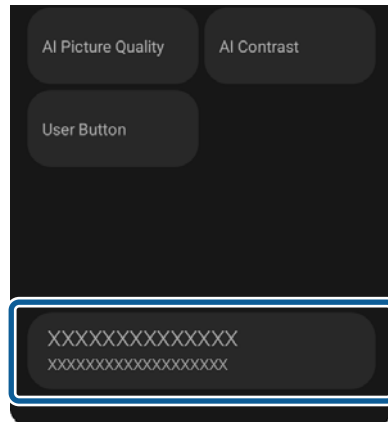
You can also update the firmware from the **System** menu.

When you select the **Update over Network** option in the projector's **System** menu, the projector enters firmware update mode and is ready to perform a firmware update.

☛ **System > About > System Update > Update over Network**

1 Press the [Dashboard] button on the remote control to open the dashboard.

2 Select the notification area and press the [Enter] button.
The update wizard starts.



3 Follow the on-screen instructions to update the firmware.

Attention

While updating the firmware, do not operate or turn off the projector.

Solving Problems

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

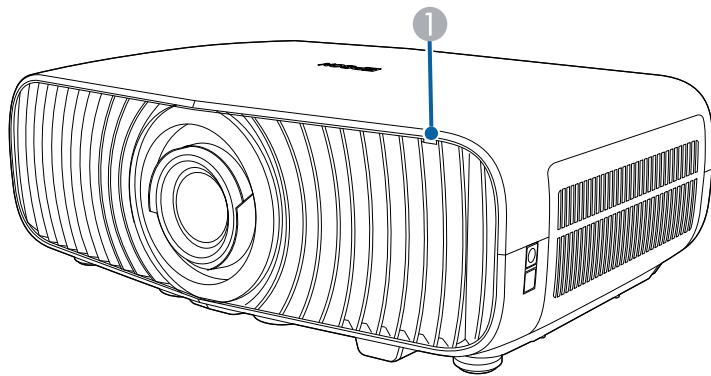
►► Related Links

- "Projector Indicator Status" [p.95](#)
- "Solving Projector Power-On or Power-Off Problems" [p.97](#)
- "Solving Image Problems" [p.98](#)
- "Solving Sound Problems" [p.101](#)
- "Solving Bluetooth Problems" [p.102](#)
- "Solving HDMI CEC Problems" [p.103](#)
- "Solving Remote Control Operation Problems" [p.104](#)
- "Solving Network Problems" [p.105](#)

The indicator on the projector indicates the projector status and let you know when a problem occurs. Check the status and color of the indicator and then refer to this table for a solution.



- If the indicator displays a pattern not listed in the table below, turn the projector off, unplug it, and contact Epson for help.
- When the **Indicators** setting is set to **Off** in the projector's **Operation** menu, the indicator is off under normal projection conditions.
- Network communication is unavailable when an abnormality occurs.



① Indicator

Projector status

Indicator color	Indicator status	Projector status and solutions
-	Off	• In sleep status • In shutdown status

Indicator color	Indicator status	Projector status and solutions
White	Lit	• In normal operation • System is being updated • Downloading firmware update data
	Flashing	• Entering standby mode • The projected image is being shut off using the [Blank] button
	Flashing fast	Downloading update data for the projector's internal control processor (MCU update)
Orange	Lit	• Projector is too hot. • Make sure the environmental temperature is not too hot. • Projector has overheated and turned off. • The projector automatically turns off, and you cannot project images. • Leave it turned off to cool down for 5 minutes. • If the problem persists, unplug the projector and contact Epson for help. • A fan or sensor has a problem. • The projector automatically turns off, and you cannot project images. • Leave it turned off to cool down for 5 minutes. • If the problem persists, unplug the projector and contact Epson for help.
	Flashing fast	Contact Epson for help.

► Related Links

- "Operation Menu" [p.79](#)
- "Installation Menu" [p.76](#)
- "Cleaning the Air Filters and Intake Vents" [p.87](#)

- "Replacing the Air Filter" [p.89](#)

Check the solutions in these sections if the projector does not turn on when you press the power button or it turns off unexpectedly.

► Related Links

- "Solving Projector Power Problems" [p.97](#)
- "Solving Projector Shutdown Problems" [p.97](#)

Solving Projector Power Problems

If the projector does not turn on when you press the power button, try the following steps until the problem is solved.

- 1** Make sure the power cord is securely connected to the projector and to a working electrical outlet.
- 2** If you are using the remote control, check the batteries of the remote control.
- 3** The power cord may be defective. Disconnect the cord and contact Epson for help.

Solving Projector Shutdown Problems

If the projector's light source turns off unexpectedly, try the following steps until the problem is solved.

- 1** The projector may have turned off after the interval of time specified in **Shutdown Timer** in the projector's **Power & Energy** menu has passed. Press the power button on the projector or remote control to turn the projector back on.

☛ **System > Power & Energy > Shut-Off Timer**

- 2** If the projector's light source turns off, the indicator is lit orange, the projector has overheated and turned off.
- 3** The cooling fans may run in standby status depending on the projector settings. Also, when the projector wakes from standby status, the fans may cause an unexpected noise. This is not a malfunction.
- 4** Turn off the power completely and unplug the projector.
- 5** Check the ventilation and wait at least 10 to 20 minutes.
- 6** Make sure that there is enough space around the projector, and clean the air filter if needed.
- 7** After the projector has fully cooled, plug it back in and turn it on.

► Related Links

- "Operation Menu" [p.79](#)

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

► Related Links

- "Adjusting an Image that is not Rectangular" [p.98](#)
- "Adjusting a Fuzzy or Blurry Image" [p.98](#)
- "Fixing Partial Image Problems" [p.98](#)
- "Adjusting an Image that Contains Noise or Static" [p.99](#)
- "Adjusting an Image with Incorrect Brightness or Colors" [p.99](#)
- "Solving Audio and Video Sync Issues" [p.100](#)
- "Adjusting an Upside-down Image" [p.100](#)

Adjusting an Image that is not Rectangular

If the projected image is not evenly rectangular, try the following steps until the problem is solved.

- 1** Place the projector directly in front of the center of the screen, facing it squarely, if possible.
- 2** Correct the distortion in the projected image using the projector's **Quick Corner** or **Point Correction** menu.
 - ☛ **Installation > Geometry Correction > Quick Corner**
 - ☛ **Installation > Geometry Correction > Point Correction**

► Related Links

- "Installation Menu" [p.76](#)

Adjusting a Fuzzy or Blurry Image

If the projected image is fuzzy or blurry, try the following steps until the problem is solved.

- 1** Adjust the image focus manually.
- 2** Position the projector close enough to the screen.
- 3** Clean the lens.



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.

- 4** Adjust the **Sharpness** setting in the projector's **Image & Sound** menu to improve image quality.
 - ☛ **Image & Sound > Image > Sharpness**
- 5** If you are projecting from a computer, use a lower resolution or select a resolution that matches the projector's native resolution.

► Related Links

- "Focusing the Image" [p.38](#)
- "Image Menu" [p.73](#)

Fixing Partial Image Problems

If only a partial image is displayed, try the following steps until the problem is solved.

- 1** Adjust the position of the projected image manually.
- 2** Select an appropriate aspect ratio from the **Screen** menu according to the current input source. (Available only when the current input source is HDMI.)
 - ☛ **Image & Sound > Screen > Aspect**

3 Check the **Blanking** settings in the **Installation** menu. Make sure that all values for **Top**, **Bottom**, **Left**, and **Right** are set to 0.

4 Check your computer display settings to disable dual display and set the resolution within the projector's limits. (See your computer manual for details.)

» Related Links

- "Installation Menu" [p.76](#)
- "Changing the Image Aspect Ratio" [p.43](#)

Adjusting an Image that Contains Noise or Static

If the projected image contains electronic interference (noise) or static, try the following steps until the problem is solved.

1 Check the cables connecting your 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

2 Check that the A/V system you connected supports eARC/ARC to the HDMI port. If not, the image may be distorted.

3 Adjust the **DNR** setting in the projector's menu.
☞ **Image & Sound > Image > Advanced Settings > DNR**

4 If you adjusted the image shape using the projector controls, try decreasing the **Sharpness** setting in the projector's **Image & Sound** menu to improve image quality.

☞ **Image & Sound > Image > Sharpness**

5 If you connected an extension power cable, try projecting without it to see if it caused interference in the signal.

6 Select a computer video resolution and refresh rate that are compatible with the projector.

» Related Links

- "Image Menu" [p.73](#)
- "Inputs Menu" [p.72](#)

Adjusting an Image with Incorrect Brightness or Colors

If the projected image is too dark or bright, or the colors are incorrect, try the following steps until the problem is solved.

1 Try different color modes for your image and environment by selecting the color mode setting in the projector's **Picture Mode** menu.

☞ **Image & Sound > Image > Picture Mode**

2 Try different settings by selecting the **Scene Adaptive Gamma** setting in the projector's **Image & Sound** menu.

☞ **Image & Sound > Image > Advanced Settings > Scene Adaptive Gamma**

3 Check your video source settings.

4 Adjust the color settings in the **Image** menu.

☞ **Image & Sound > Image**

- 5** Make sure you selected the correct **HDMI RGB Range** setting in the projector's **Image & Sound** menu, if available for your image source. (Available only for the HDMI source.)
☛ **Image & Sound > Image > Advanced Settings > HDMI RGB Range**
- 6** Make sure all the cables are securely connected to the projector and your video equipment. If you connected long cables, try connecting shorter cables.
- 7** Position the projector close enough to the screen.

►► Related Links

- "Image Menu" [p.73](#)
- "Inputs Menu" [p.72](#)

Solving Audio and Video Sync Issues

If the projected image and audio are out of sync, check the following solutions.

- 1** Set **ALLM** in the **Image & Sound** menu to **On** to automatically adjust the response speed according to the projected content to correct synchronization issues between the projected image and audio.
☛ **Image & Sound > Image > Advanced settings > ALLM**



- Audio–video sync issues can also be corrected by setting **Game Mode** to **On** in the **Image & Sound** menu. However, unlike **ALLM**, the adjustment is not performed automatically based on the projected content.
☛ **Image & Sound > Image > Advanced settings > Game Mode**
- Before setting **Game Mode**, ensure that the following conditions are met:
 - The input source is set to **HDMI**.
 - **ALLM** is set to **Off**
 - **Frame Interpolation** is set to **Off**

- 2** Change the audio output settings on the connected device as necessary. For details, refer to the operating instructions of the connected device.

Adjusting an Upside-down Image

If the projected image is upside-down, select the correct projection mode.

☛ **Installation > Projection**

►► Related Links

- "Installation Menu" [p.76](#)

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

► Related Links

- "Solving Missing or Low Audio Problems" [p.101](#)

Solving Missing or Low Audio Problems

Since this projector is not equipped with built-in speakers, audio is output via external audio equipment.

If there is no sound or the volume is too low, try the following steps until the problem is solved.

- 1** Use the [+] / [-] buttons on the remote control to adjust the volume of speakers or other audio devices connected using an HDMI cable.
- 2** Check the cable connection between the projector and the external device.
- 3** Check that the volume of the connected audio device, such as a TV, is set appropriately and that the audio output destination is configured correctly.
- 4** If you want to output audio to an external audio device that supports HDMI eARC/ARC using an HDMI cable, try the following solutions:
 - Set **HDMI control** to **On** in the projector's menu when using an ARC connection.
Inputs > Inputs > HDMI Control
 - Make sure the HDMI cable is compliant with HDMI eARC and ARC.



- When outputting audio to an external audio device that does not support HDMI eARC/ARC using an HDMI cable, set **HDMI control** to **Off** in the projector's menu.

Inputs > Inputs > HDMI Control

- See the *Supplemental A/V Support Specification* for eARC/ARC audio supported formats.
- For users in the U.S., Canada, and Latin America
See the online *Notices* guide for eARC/ARC audio supported formats.

- 5** If audio is not output properly to an external audio device that supports HDMI eARC/ARC, try changing **Auto** to **PCM** as the **Digital Output** setting.

 **Image & Sound > Audio Output > Digital Output**

► Related Links

- "Bluetooth Specifications" [p.115](#)

If you cannot connect using Bluetooth or Bluetooth does not operate correctly, check the following:

- 1** Make sure that the Bluetooth function for the projector is set to **On**. If it is set to off, the projector will not be detected by the connecting device.
- 2** Check your Bluetooth audio device to make sure the volume is turned up and the audio output settings are correct.
- 3** Make sure only one Bluetooth device is connected to the projector.
You cannot connect multiple Bluetooth audio devices to the projector at the same time.
- 4** Make sure the device meets the projector's Bluetooth specifications.
- 5** Check the following items:
 - Check for obstacles between the Bluetooth audio device and the projector, and change their positions to improve communication.
 - Make sure the connected Bluetooth audio device is within the specified communication distance.
 - 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 Bluetooth audio device.

» Related Links

- "Bluetooth Specifications" [p.115](#)

If you cannot operate the connected devices from the projector, try the following steps until the problem is solved.

- 1** Make sure the cable meets the HDMI CEC standard.
- 2** Make sure the connected device meets the HDMI CEC standard. See the documentation supplied with the device for more information.
- 3** Check if the device is available in the CEC Device List.
If the device does not appear in the CEC Device List, it does not meet the HDMI CEC standards. Connect a different device.
Inputs > Inputs > CEC Device List
- 4** Set **HDMI Control** to **On** in the **Inputs** menu.
Inputs > Inputs > HDMI Control
- 5** Make sure all the cables are securely connected to the projector and your video equipment.
- 6** Make sure the connected devices are turned on and in standby status. See the documentation supplied with the device for more information.
- 7** If you connect a new device or change the connection, set the CEC function for the connected device again and restart the device.

► Related Links

- "Operating Connected Devices Using the HDMI CEC Features" [p.52](#)
- "Inputs Menu" [p.72](#)

If the projector does not respond to remote control commands, try the following steps until the problem is solved.



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

- 1** Check that the remote control batteries are installed correctly and have power. If necessary, replace the batteries.
- 2** 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.
- 3** If the image is projected from the projector, make sure you are operating the remote control within the reception angle and range of the projector.
- 4** Make sure the projector is not warming up or shutting down.
- 5** 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.

► Related Links

- "Remote Control Operation" [p.28](#)
- "Installing Batteries in the Remote Control" [p.27](#)
- "Projector Indicator Status" [p.95](#)

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

► Related Links

- "Solving Wi-Fi Network Problems" [p.105](#)
- "Solutions When Wireless Authentication Fails" [p.105](#)
- "Solutions When You Cannot Access the Projector Through the Web" [p.105](#)

Solving Wi-Fi Network Problems

If you cannot connect to a Wi-Fi network, try the following solutions.

- 1** Make sure your Wi-Fi router and modem are working properly. Rebooting these devices may solve the network connection problem.
- 2** Check for obstacles between the Wi-Fi router and the projector, and change their positions to improve communication.
- 3** You can check the network settings from **Wi-Fi** in the **Network** menu.
- 4** If you initialize the projector, you need to select the network settings again on the initial setup screen.

Solutions When Wireless Authentication Fails

If you are having trouble with the authentication, try the following solutions:

- If the wireless settings are correct, but authentication fails, you may need to update the **Date & Time** settings in the projector's **System** menu.
- If the access point security is WPA3-EAP, change the access point setting to WPA2/WPA3-EAP.

Solutions When You Cannot Access the Projector Through the Web

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

- Make sure you use the following user IDs. (You cannot change the user IDs.)
 - To access the **Basic Control** option, enter EPSONREMOTE.
 - To access other options, enter EPSONWEB.
- Enter the **Web Control Password** you set in **IP Control** in the **Network** menu. No password is set by default.
- If your Web browser is set up to connect using a proxy server, the **Epson Web Control** screen cannot be displayed. Make settings for a connection without using a proxy server.



The user ID and password are case sensitive.

Appendix

Check these sections for the technical specifications and important notices about your product.

►► Related Links

- "Optional Accessories and Replacement Parts" [p.107](#)
- "Screen Size and Projection Distance" [p.108](#)
- "Supported Monitor Display Resolutions" [p.112](#)
- "Projector Specifications" [p.113](#)
- "List of Safety Symbols and Instructions" [p.116](#)
- "Laser Safety Information" [p.118](#)
- "Glossary" [p.121](#)
- "Notices" [p.122](#)

The following optional accessories and replacement parts are available. Please purchase these products as and when needed.

Details of accessories are subject to change without notice and availability may vary depending on the country of purchase.

► Related Links

- "Mounts" [p.107](#)
- "External Devices" [p.107](#)
- "Replacement Parts" [p.107](#)

Mounts

Ceiling mount ELPMB22

Ceiling mount (Low profile) ELPMB30

Use when installing the projector on a ceiling.

Safety Wire Set ELPWR01

Use when connecting the projector to the installation mount to prevent the projector from falling down.

Ceiling pipe (450 mm) ELPFP13

Ceiling pipe (700 mm) ELPFP14

Use when installing the projector on a high ceiling.



Special expertise is required to suspend the projector from a ceiling.
Contact Epson for help.

External Devices

Android TV™ device ELPAP12

Use this streaming media player to watch online content.

Replacement Parts

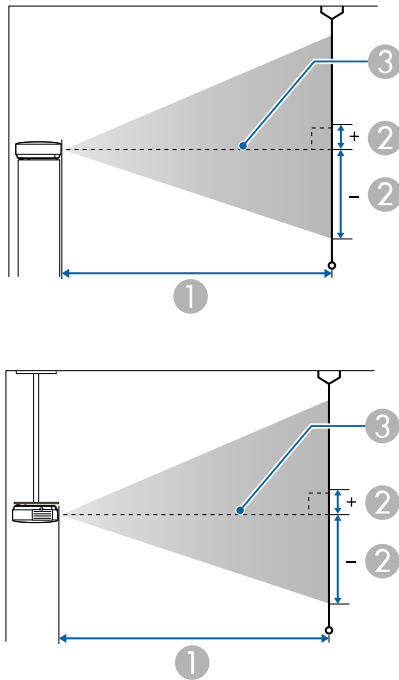
Air filter ELPAF60

Use as a replacement for used air filters.

Screen Size and Projection Distance

108

Check the table here to determine how far to place the projector from the screen based on the size of the projected image.



- ① Projection distance
- ② Distance from the center of the lens to the base of the screen (This changes depending on the setting for vertical lens shift.)
- ③ Center of lens

EH-LS7500

16:9 screen size		①	②
		Minimum (Wide) to Maximum (Tele)	Vertical Lens Shift Bottom to Top
inch	cm	cm (inches)	cm (inches)
40"	89 × 50	87 - 114 (34.3" - 44.9")	-54 - 4 (-21.3" - 1.6")
50"	111 × 62	109 - 143 (42.9" - 56.3")	-68 - 5 (-26.8" - 2.0")
60"	133 × 75	132 - 173 (52.0" - 68.1")	-81 - 6 (-31.9" - 2.4")
80"	177 × 100	177 - 231 (69.7" - 90.9")	-108 - 9 (-42.5" - 3.5")
100"	221 × 125	222 - 290 (87.4" - 114.2")	-135 - 11 (-53.1" - 4.3")
120"	266 × 149	267 - 348 (105.1" - 137.0")	-162 - 13 (-63.8" - 5.1")
150"	332 × 187	335 - 436 (131.9" - 171.7")	-203 - 16 (-79.9" - 6.3")
200"	443 × 249	447 - 582 (176.0" - 229.1")	-271 - 22 (-106.7" - 8.7")
300"	664 × 374	673 - 875 (265.0" - 344.5")	-406 - 32 (-159.8" - 12.6")
(500")	(1107 × 623)	(1123 - 1460 (442.1" - 574.8"))	(-677 - 54 (-266.5" - 21.3"))

4:3 screen size		①	②
		Minimum (Wide) to Maximum (Tele)	Vertical Lens Shift Bottom to Top
inch	cm	cm (inches)	cm (inches)
40"	81 × 61	108 - 140 (42.5" - 55.1")	-66 - 5 (-26.0" - 2.0")

4:3 screen size		①	②
		Minimum (Wide) to Maximum (Tele)	Vertical Lens Shift Bottom to Top
inch	cm	cm (inches)	cm (inches)
50"	102 × 76	135 - 176 (53.1" - 69.3")	-83 - 7 (-32.7" - 2.8")
60"	122 × 91	162 - 212 (63.8" - 83.5")	-99 - 8 (-39.0" - 3.1")
80"	163 × 122	217 - 283 (85.4" - 111.4")	-133 - 11 (-52.4" - 4.3")
100"	203 × 152	273 - 355 (107.5" - 139.8")	-166 - 13 (-65.4" - 5.1")
120"	244 × 183	328 - 427 (129.1" - 168.1")	-199 - 16 (-78.3" - 6.3")
150"	305 × 229	410 - 534 (161.4" - 210.2")	-248 - 20 (-97.6" - 7.9")
200"	406 × 305	548 - 713 (215.7" - 280.7")	-331 - 26 (-130.3" - 10.2")
300"	610 × 457	824 - 1071 (324.4" - 421.7")	-497 - 40 (-195.7" - 15.7")
(500")	(1016 × 762)	(1375 - 1788 (541.3" - 703.9"))	(-828 - 66 (-326.0" - 26.0"))
(1000")	(2032 × 1524)	(2753 - 3578 (1083.9" - 1408.7"))	(-1656 - 132 (-651.2" - 52.0"))

16:10 screen size		①	②
		Minimum (Wide) to Maximum (Tele)	Vertical Lens Shift Bottom to Top
inch	cm	cm (inches)	cm (inches)
40"	86 × 54	94 - 123 (37.0" - 48.4")	-59 - 5 (-23.2" - 2.0")

16:10 screen size		①	②
		Minimum (Wide) to Maximum (Tele)	Vertical Lens Shift Bottom to Top
inch	cm	cm (inches)	cm (inches)
50"	108 × 67	119 - 155 (46.9" - 61.0")	-73 - 6 (-28.7" - 2.4")
60"	129 × 81	143 - 187 (56.3" - 73.6")	-88 - 7 (-34.6" - 2.8")
80"	172 × 108	192 - 250 (75.6" - 98.4")	-117 - 9 (-46.1" - 3.5")
100"	215 × 135	240 - 313 (94.5" - 123.2")	-146 - 12 (-57.5" - 4.7")
120"	258 × 162	289 - 377 (113.8" - 148.4")	-176 - 14 (-69.3" - 5.5")
150"	323 × 202	362 - 471 (142.5" - 185.4")	-219 - 18 (-86.2" - 7.1")
200"	431 × 269	484 - 630 (190.6" - 248.0")	-293 - 23 (115.4" - 9.1")
300"	646 × 404	727 - 946 (286.2" - 372.4")	-439 - 35 (-172.8" - 13.8")
(500")	(1077 × 673)	(1214 - 1579 (477.9" - 621.7"))	(-732 - 58 (-288.2" - 22.8"))
(1000")	(2154 × 1346)	(2432 - 3160 (957.5" - 1244.1"))	(-1463 - 117 (-575.6" - 46.1"))

EH-LS7000/EH-LS6000/EH-LS5000

16:9 screen size		①	②
		Minimum (Wide) to Maximum (Tele)	Vertical Lens Shift Bottom to Top
inch	cm	cm (inches)	cm (inches)
40"	89 × 50	114 - 186 (44.9" - 73.2")	-54 - 4 (-21.3" - 1.6")
60"	133 × 75	173 - 281 (68.1" - 110.6")	-81 - 6 (-31.9" - 2.4")
80"	177 × 100	232 - 376 (91.3" - 148.0")	-108 - 9 (-42.5" - 3.5")
100"	221 × 125	290 - 471 (114.2" - 185.4")	-135 - 11 (-53.1" - 4.3")
120"	226 × 149	349 - 566 (137.4" - 222.8")	-162 - 13 (-63.8" - 5.1")
150"	332 × 187	437 - 708 (172.0" - 278.7")	-203 - 16 (-79.9" - 6.3")
200"	443 × 249	584 - 945 (230.3" - 372.0")	-271 - 22 (-106.7" - 8.7")
300"	664 × 374	878 - 1419 (345.7" - 558.7")	-406 - 32 (-159.8" - 12.6")
400"	886 × 498	1172 - 1893 (461.4" - 745.3")	-541 - 43 (-213.0" - 16.9")
500"	1107 × 623	1466 - 2367 (577.2" - 931.9")	-677 - 54 (-266.5" - 21.3")

4:3 screen size		①	②
		Minimum (Wide) to Maximum (Tele)	Vertical Lens Shift Bottom to Top
inch	cm	cm (inches)	cm (inches)
33"	67 × 50	114 - 186 (44.9" - 73.2")	-54 - 4 (-21.3" - 1.6")

4:3 screen size		①	②
		Minimum (Wide) to Maximum (Tele)	Vertical Lens Shift Bottom to Top
inch	cm	cm (inches)	cm (inches)
40"	81 × 61	140 - 229 (55.1" - 90.2")	-66 - 5 (-26.0" - 2.0")
60"	122 × 91	212 - 345 (83.5" - 135.8")	-99 - 8 (-39.0" - 3.1")
80"	163 × 122	284 - 461 (111.8" - 181.5")	-133 - 11 (-52.4" - 4.3")
100"	203 × 152	356 - 577 (140.2" - 227.2")	-166 - 13 (-65.4" - 5.1")
120"	244 × 183	428 - 693 (168.5" - 272.8")	-199 - 16 (-78.3" - 6.3")
150"	305 × 229	536 - 867 (211.0" - 341.3")	-248 - 20 (-97.6" - 7.9")
200"	406 × 305	716 - 1157 (281.9" - 455.5")	-331 - 26 (-130.3" - 10.2")
300"	610 × 457	1076 - 1737 (423.6" - 683.9")	-497 - 40 (-195.7" - 15.7")
400"	813 × 610	1435 - 2318 (565.0" - 912.6")	-663 - 53 (-261.0" - 20.9")
408"	829 × 622	1465 - 2366 (576.8" - 931.5")	-676 - 54 (-266.1" - 21.3")

16:10 screen size		①	②
		Minimum (Wide) to Maximum (Tele)	Vertical Lens Shift Bottom to Top
inch	cm	cm (inches)	cm (inches)
37"	80 × 50	114 - 186 (44.9" - 73.2")	-54 - 4 (-21.3" - 1.6")

16:10 screen size		①	②
		Minimum (Wide) to Maximum (Tele)	Vertical Lens Shift Bottom to Top
inch	cm	cm (inches)	cm (inches)
40"	86 × 54	124 - 202 (48.8" - 79.5")	-59 - 5 (-23.2" - 2.0")
60"	129 × 81	187 - 304 (73.6" - 119.7")	-88 - 7 (-34.6" - 2.8")
80"	172 × 108	251 - 407 (98.8" - 160.2")	-117 - 9 (-46.1" - 3.5")
100"	215 × 135	314 - 509 (123.6" - 200.4")	-146 - 12 (-57.5" - 4.7")
120"	258 × 162	378 - 612 (148.8" - 240.9")	-176 - 14 (-69.3" - 5.5")
150"	323 × 202	473 - 766 (186.2" - 301.6")	-219 - 18 (-86.2" - 7.1")
200"	431 × 269	632 - 1022 (248.8" - 402.4")	-293 - 23 (-115.4" - 9.1")
300"	646 × 404	950 - 1534 (374.0" - 603.9")	-439 - 35 (-172.8" - 13.8")
400"	862 × 538	1267 - 2047 (498.8" - 805.9")	-585 - 47 (-230.3" - 18.5")
462"	995 × 622	1466 - 2367 (577.2" - 931.9")	-677 - 54 (-266.5" - 21.3")

See the *Supplemental A/V Support Specification* for detailed information on compatible refresh rates and resolutions for each compatible video display format.

For users in the U.S., Canada, and Latin America

See the online *Notices* guide for detailed information on compatible refresh rates and resolutions for each compatible video display format.

►► Related Links

- "Getting the Latest Version of the Documents" [p.7](#)

Product name	EH-LS7500/EH-LS7000/EH-LS6000/EH-LS5000
Dimensions (W × H × D)	EH-LS7500/EH-LS7000 : 440 × 147 × 311 mm (17.3 × 5.8 × 12.2 inches) (not including raised section) EH-LS6000/EH-LS5000 : 440 × 147 × 313 mm (17.3 × 5.8 × 12.3 inches) (not including raised section)
LCD panel size	0.62"
Display method	3LCD
Number of pixels	Full HD (1,920 (W) × 1,080 (H) dots) × 3
Screen resolution	8,294,400 pixels *
Focus adjustment	Manual
Light source	Laser diode
Light source output power	EH-LS7500/EH-LS7000 Up to 86.4 W EH-LS6000 Up to 76.5 W EH-LS5000 Up to 51.0 W
Laser class (internal laser light source)	Class 4
Wavelength	449 to 461 nm
Light source life **	Up to about 20,000 hours
Contrast ratio	Exceeds 5,000,000:1 (Dynamic Contrast: Normal/High Speed)
Power supply	100-240V AC±10% 50/60Hz 2.8 - 1.3 A

Power consumption (100 to 120 V area)	EH-LS7500/EH-LS7000 Operating power consumption (when the light source brightness is 100%): 269 W Operating power consumption (when the light source brightness is 50%): 172 W EH-LS6000 Operating power consumption (when the light source brightness is 100%): 253 W Operating power consumption (when the light source brightness is 50%): 168 W EH-LS5000 Operating power consumption (when the light source brightness is 100%): 201 W Operating power consumption (when the light source brightness is 50%): 147 W
Power consumption (220 to 240 V area)	EH-LS7500/EH-LS7000 Operating power consumption (when the light source brightness is 100%): 260 W Operating power consumption (when the light source brightness is 50%): 168 W EH-LS6000 Operating power consumption (when the light source brightness is 100%): 245 W Operating power consumption (when the light source brightness is 50%): 164 W EH-LS5000 Operating power consumption (when the light source brightness is 100%): 196 W Operating power consumption (when the light source brightness is 50%): 142 W
Standby power consumption	Communication On: 2.0 W Communication Off: 0.5 W
Operating altitude	Altitude 0 to 3,048 m (10,000 feet)

Operating temperature	Altitude of 0 to 2,286 m (7,500 feet): +5 to +35 °C (41 to 95 °F) (Humidity of 20 to 80%, No condensation) Altitude of 2,287 to 3,048 m (7,500 to 10,000 feet): +5 to +30 °C (41 to 86 °F) (Humidity of 20 to 80%, No condensation) When the ambient operating temperature becomes high, the brightness of the light source is automatically reduced. (As a guideline, this occurs at approximately 35 °C at altitudes of 0 to 2,286 m (7,500 feet), and approximately 30 °C at altitudes of 2,287 to 3,048 m (7,500 to 10,000 feet). Actual values may vary depending on the operating environment.)
Storage temperature	-10 to 60 °C (14 to 140 °F) (Humidity of 10 to 90%, No condensation)
Mass	EH-LS7500 Approx. 8.2 kg (18.1 lbs.) EH-LS7000/EH-LS6000/EH-LS5000 Approx. 8.0 kg (17.6 lbs.)

* Pixel shifting technology achieves 4K resolution on screen.

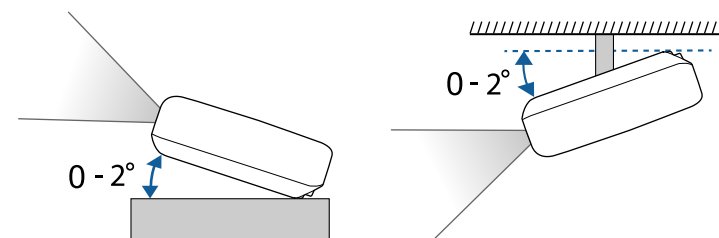
** Approximate time until the light source brightness decreases to half of its original value. (Assuming the projector is used in an atmosphere in which airborne particulate matter is less than 0.04 to 0.2mg/m3. The estimated time varies depending on the projector usage and operating conditions.)

The rating label is attached on the bottom surface of the projector.

This product is also designed for IT power distribution system with phase-to-phase voltage 230V.

Angle of tilt

If you use the projector tilted at an angle greater than the one shown in the following illustration, it could be damaged and cause an accident.



Related Links

- "Connector Specifications" [p.114](#)
- "Bluetooth Specifications" [p.115](#)

Connector Specifications

Service port	1	USB connector (Mini-B)
Trigger Out port *	1	Stereo mini pin jack
RS-232C port *	1	Mini D-Sub 9-pin (male)
HDMI1 port	1	HDMI (Type-A)
HDMI2 (eARC/ARC) port	1	HDMI (Type-A)
USB-A port	2	USB connector (Type-A)
Audio Out port	1	Stereo mini pin jack (3-pin) Output Level: 25 mW Output Impedance: 32 ohm
LAN port	1	RJ-45

* Not available for EH-LS6000/EH-LS5000.



USB-A port supports USB 2.0. However, USB ports are not guaranteed to operate all devices that support USB.

Bluetooth Specifications

Version	Bluetooth Ver. 6.0
Output	Class 2
Communication distance	Approx. 10 m (32.8 feet)
Supported profiles	A2DP, AVRCP, and HID
Frequency used	2.4 GHz band (2.402 to 2.480 GHz)
Supported codecs	SBC, AAC, aptX *

* The aptX codec is only available when outputting to a Bluetooth audio device such as speakers or headphones.

Warning

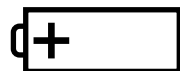
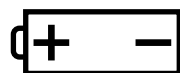
Do not use the device near any medical equipment or equipment that is automatically controlled, such as automatic doors or fire alarms. Electromagnetic interference from the device may cause such equipment to malfunction and cause an accident.

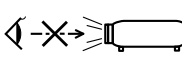


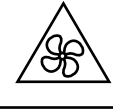
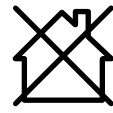
- You may not be able to connect depending on the standard and type of device.
- Even when connecting within the specified communication distance, connections can be lost due to the strength of the signal.
- The communication method for Bluetooth uses the same frequency (2.4 GHz) as wireless LAN (IEEE802.11b/g) or microwave ovens. Therefore, if these devices are used at the same time, radio wave interference may occur, the audio may be interrupted, or communication may not be possible. If you do need to use these devices at the same time, make sure there is enough distance between them and the Bluetooth device.
- The Bluetooth function is enabled the first time you turn on the projector.

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

No.	Symbol mark	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.
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.

No.	Symbol mark	Approved standards	Description
⑧		IEC60417 No. 5926	Polarity of d.c. power connector To identify the positive and negative connections (the polarity) on a piece of equipment to which a d.c. power supply may be connected.
⑨		—	The same as No. 8.
⑩		IEC60417 No. 5001B	Battery, general On battery powered equipment. To identify a device for instance a cover for the battery compartment, or the connector terminals.
⑪		IEC60417 No. 5002	Positioning of cell To identify the battery holder itself and to identify the positioning of the cell(s) inside the battery holder.
⑫		—	The same as No. 11.
⑬		IEC60417 No. 5019	Protective earth To identify any terminal which is intended for connection to an external conductor for protection against electric shock in case of a fault, or the terminal of a protective earth electrode.
⑭		IEC60417 No. 5017	Earth To identify an earth (ground) terminal in cases where neither the symbol No. 13 is explicitly required.

No.	Symbol mark	Approved standards	Description
15		IEC60417 No. 5032	Alternating current To indicate on the rating plate that the equipment is suitable for alternating current only; to identify relevant terminals.
16		IEC60417 No. 5031	Direct current To indicate on the rating plate that the equipment is suitable for direct current only; to identify relevant terminals.
17		IEC60417 No. 5172	Class II equipment To identify equipment meeting the safety requirements specified for Class II equipment according to IEC 61140.
18		ISO 3864	General prohibition To identify actions or operations that are prohibited.
19		ISO 3864	Contact prohibition To indicate injury that could occur due to touching a specific part of the equipment.
20		—	Never look into the optical lens while the projector is on.
21		—	To indicate that the marked item don't place anything on projector.
22		ISO3864 IEC60825-1	Caution, laser radiation To indicate the equipment has a laser radiation part.

No.	Symbol mark	Approved standards	Description
23		ISO 3864	Disassembly prohibition To indicate a risk of injury, such as electric shock, if the equipment is disassembled.
24		IEC60417 No. 5266	Standby, partial standby To indicate that part of the equipment is in the ready status.
25		ISO3864 IEC60417 No. 5057	Caution, movable parts To indicate that you must keep away from movable parts according to protection standards.
26		IEC60417 No. 6056	Caution (Moving Fan Blades) As a safety precaution, stay away from the moving fan blades.
27		IEC60417 No. 6043	Caution (Sharp Corners) To indicate sharp corners that should not be touched.
28		—	To indicate that looking into the lens while projecting is prohibited.
29		ISO7010 No. W027 ISO 3864	Warning, Optical radiation (such as UV, visible radiation, IR) Taking care to avoid injury to eyes and skin when in the vicinity of optical radiation.
30		IEC60417 No. 5109	Not to be used in residential areas. To identify electrical equipment which is not suitable for a residential area.

This product is a laser projector that projects images onto surfaces such as walls and screens.

This projector is a Class 1 consumer laser product that complies with the following standards:

- IEC60825-1:2014
- EN60825-1:2014+A11:2021

Follow these safety instructions when using the projector.

Warning

- Do not open the projector's case. The projector contains a high-powered laser.
- Possibly hazardous optical radiation emitted from this product. Do not look at operating light source. Eye injury may result.

Caution

Do not disassemble the projector when disposing of it. Dispose according to your local or national laws and regulations.



The projector uses a laser as the light source. The laser has the following characteristics.

- Depending on the surroundings, the brightness of the light source may decline. The brightness declines a lot when the temperature gets too high.
- The brightness of the light source declines the longer it is used. You can change the relationship between usage time and decline in brightness settings.

▶ Related Links

- "Laser Warning Labels" [p.118](#)

Laser Warning Labels

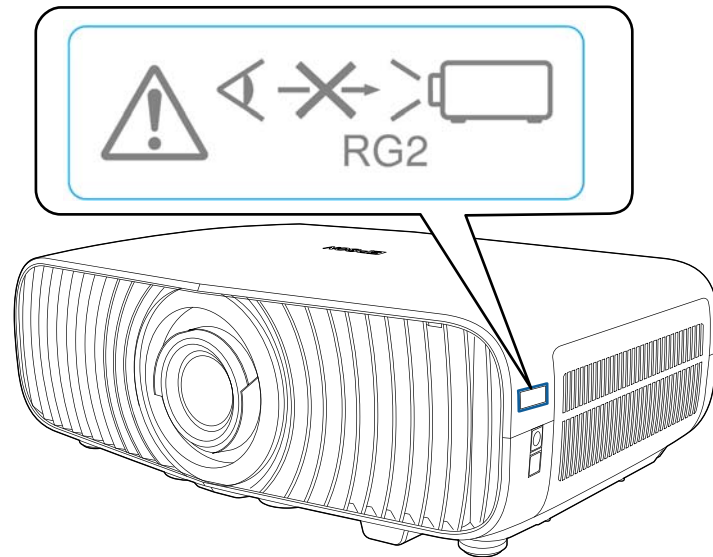
Laser warning labels are attached on the projector.

Inside



Top

As with any bright source, do not stare into the beam, RG2 IEC/EN 62471-5:2015.



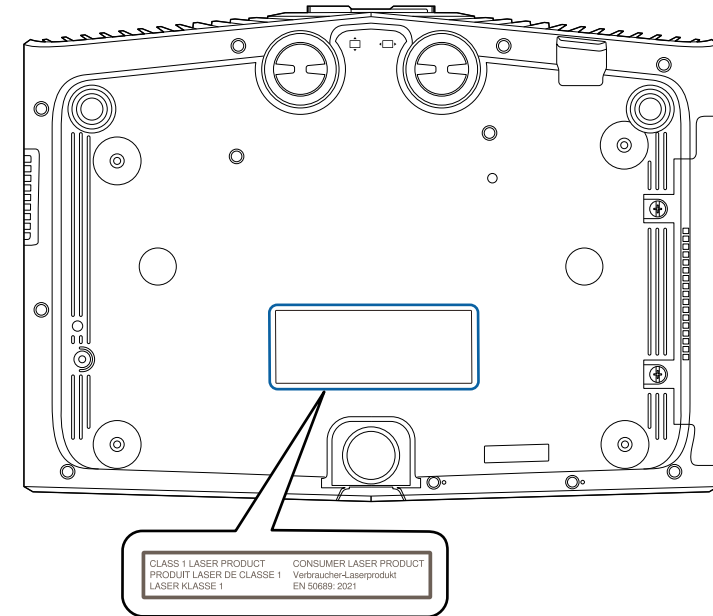
Warning

- Never look into the projector lens when the laser is on. This can damage your eyes and is especially dangerous for children and pets.
- When turning on the projector at a distance using the remote control, make sure there is no one looking into the lens.
- Do not allow small children to operate the projector. Children must be accompanied by an adult.
- Do not look into the lens during projection. Also, do not look into the lens using optical devices, such as a magnifying glass or telescope. This could cause visual impairment.

Base

This projector is a consumer CLASS 1 laser product that complies with the EN50689:2021.

This projector is the product that projects images onto walls, screens, etc.

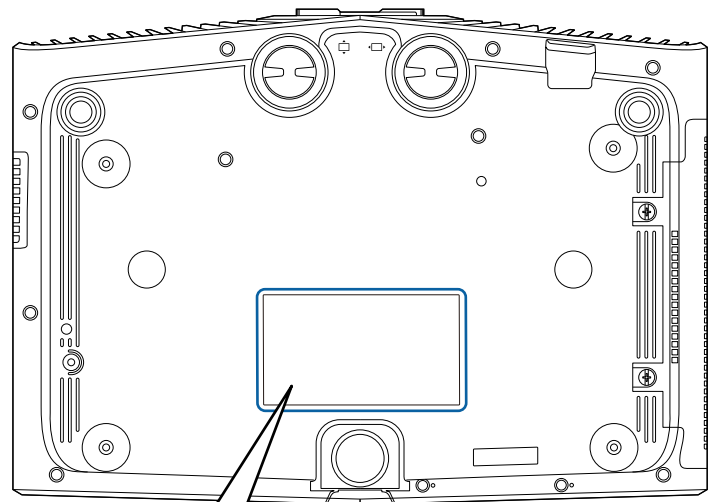
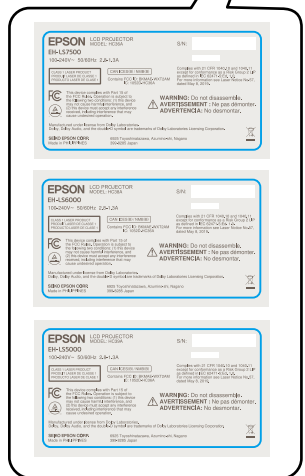
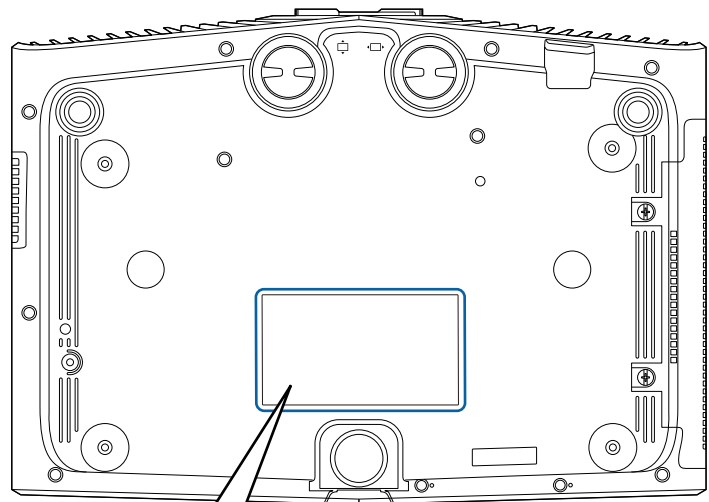


Base (For North/South America)

Rating Labels (EH-LS7000/EH-LS7500/EH-LS6000/EH-LS5000)

The rating label contains the certification and identification information for the projector.

Complies with 21 CFR 1040.10 and 1040.11 except for conformance as a Risk Group 2 LIP as defined in IEC 62471-5: Ed. 1.0. For more information see Laser Notice No. 57, dated May 8, 2019.



This section briefly explains the difficult terms that are not explained in the text of this guide. For details, refer to other commercially available publications.

Aspect Ratio	The ratio between an image's length and its height. Screens with a horizontal:vertical ratio of 16:9, such as HDTV screens, are known as wide screens. SDTV and general computer displays have an aspect ratio of 4:3.
Contrast	The relative brightness of the light and dark areas of an image can be increased or decreased to make text and graphics stand out more clearly, or to make them appear softer. Adjusting this particular property of an image is called contrast adjustment.
4K	A screen size standard with a resolution of 3,840 (horizontal) × 2,160 (vertical) dots.
Full HD	A screen size standard with a resolution of 1,920 (horizontal) × 1,080 (vertical) dots.
HDCP	HDCP is an abbreviation for High-bandwidth Digital Content Protection. It is used to prevent illegal copying and protect copyrights by encrypting digital signals sent over DVI and HDMI ports. Because the HDMI port on this projector supports HDCP, it can project digital images protected by HDCP technology. However, the projector may not be able to project images protected with updated or revised versions of HDCP encryption.
HDMI™	An abbreviation for High Definition Multimedia Interface. HDMI™ is a standard aimed at digital consumer electronics and computers. This is the standard by which HD images and multichannel audio signals are digitally transmitted. By not compressing the digital signal, the image can be transferred at the highest quality possible. It also provides an encryption function for the digital signal.

HDTV	An abbreviation for High-Definition Television that refers to high-definition systems which satisfy the following conditions: • Vertical resolution of 720p or 1080i or greater (p = Progressive, I = Interlace) • Screen aspect ratio of 16:9
Pairing	Register devices in advance when connecting with Bluetooth devices to ensure mutual communication.
Refresh Rate	The light-emitting element of a display maintains the same luminosity and color for an extremely short time. Because of this, the image must be scanned many times per second to refresh the light-emitting element. The number of refresh operations per second is called the Refresh rate and is expressed in hertz (Hz).
SDTV	An abbreviation for Standard Definition Television that refers to standard television systems which do not satisfy the conditions for HDTV High-Definition Television.

Check these sections for important notices about your projector.

► Related Links

- "FCC Compliance Statement" [p.122](#)
- "Indication of the manufacturer and the importer in accordance with requirements of EU directive" [p.123](#)
- "Restriction of Use" [p.123](#)
- "Operating System References" [p.123](#)
- "Trademarks" [p.123](#)
- "Copyright Notice" [p.124](#)
- "Copyright Attribution" [p.124](#)

FCC Compliance Statement

Supplier's DECLARATION of CONFORMITY

According to 47CFR, Part 2 and 15

Class B Personal Computers and Peripherals; and/or

CPU Boards and Power Supplies used with Class B Personal Computers

We: Epson America, Inc.

Located at: 3131 Katella Avenue, Los Alamitos, CA

Tel: 562-981-3840

Declare under sole responsibility that the product identified herein, complies with 47CFR Part 2 and 15 of the FCC rules as a Class B digital device. Each product marketed, is identical to the representative unit tested and found to be compliant with the standards. Records maintained continue to reflect the equipment being produced can be expected to be within the variation accepted, due to quantity production and testing on a statistical basis as required by 47CFR 2.906. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Trade Name: EPSON

Type of Product: LCD Projector

Model (U.S., Canada, and Latin America): HA36A, HA38A, HA39A, HA36F, HC38F

Other destination: HC36F, HC38F

FCC Compliance Statement For United States Users

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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(B) / NMB(B)

Indication of the manufacturer and the importer in accordance with requirements of EU directive

Manufacturer: SEIKO EPSON CORPORATION
Address: 3-5, Owa 3-chome, Suwa-shi, Nagano-ken 392-8502 Japan
<http://www.epson.com/>

Importer: EPSON EUROPE B.V.
EU Address: Atlas Arena, Asia Building, Hoogoorddreef 5, 1101 BA Amsterdam
Zuidoost The Netherlands
UK Address: Floor 3&4, The Clarendon Works, 37-39 Clarendon Road, Watford
WD17 1JA, U.K.
<http://www.epson.eu/>

Supplier in Middle East, Turkey, Africa, and Central & West Asia: Epson Middle East
FZCO
Address: 6WA-401 6W bldg., Dubai Airport Freezone, Dubai, United Arab Emirates
www.epson.com/eme

Restriction of Use

When this product is used for applications requiring high reliability/safety such as transportation devices related to aviation, rail, marine, automotive etc.;

disaster prevention devices; various safety devices etc; or functional/precision devices etc, 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 etc, please make your own judgment on this product's suitability after a full evaluation.

Operating System References

- Microsoft® Windows® 8.1 operating system
- Microsoft® Windows® 10 operating system
- Microsoft® Windows® 11 operating system

In this guide, the operating systems above are referred to as "Windows 8.1", "Windows 10", and "Windows 11". Furthermore, the collective term "Windows" is used to refer to them all.

- macOS 10.13.x
- macOS 10.14.x
- macOS 10.15.x
- macOS 11.0.x
- macOS 12.0.x
- macOS 13.0.x

In this guide, the collective term "Mac" is used to refer to all of the operating systems above.

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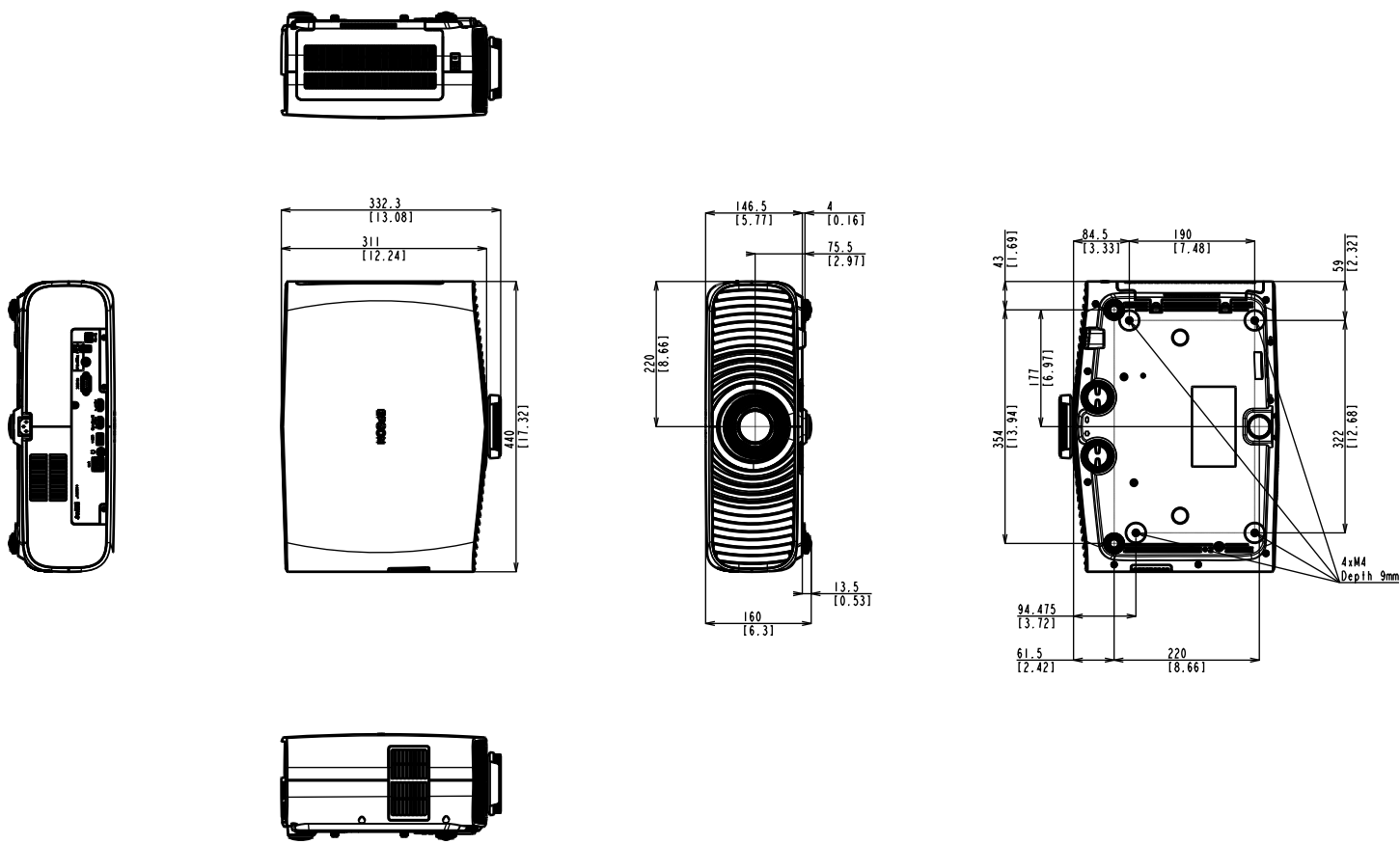
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Copyright Notice

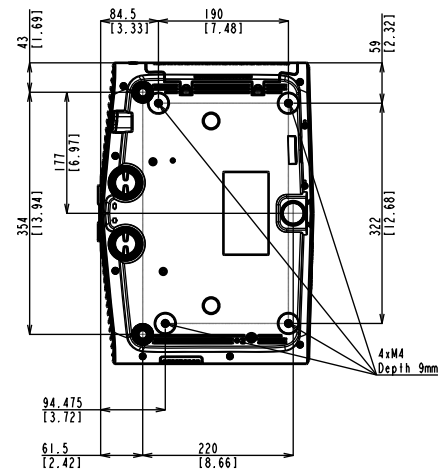
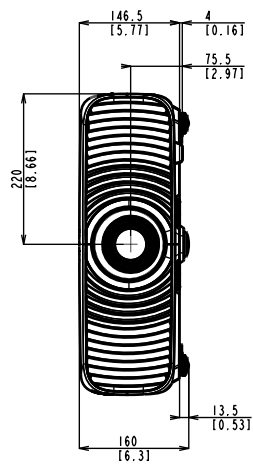
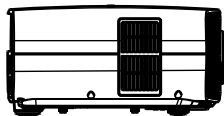
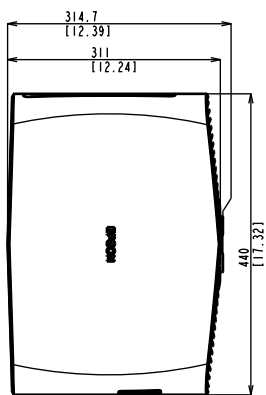
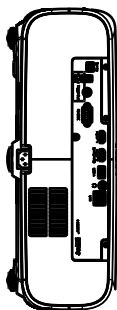
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External Dimensions

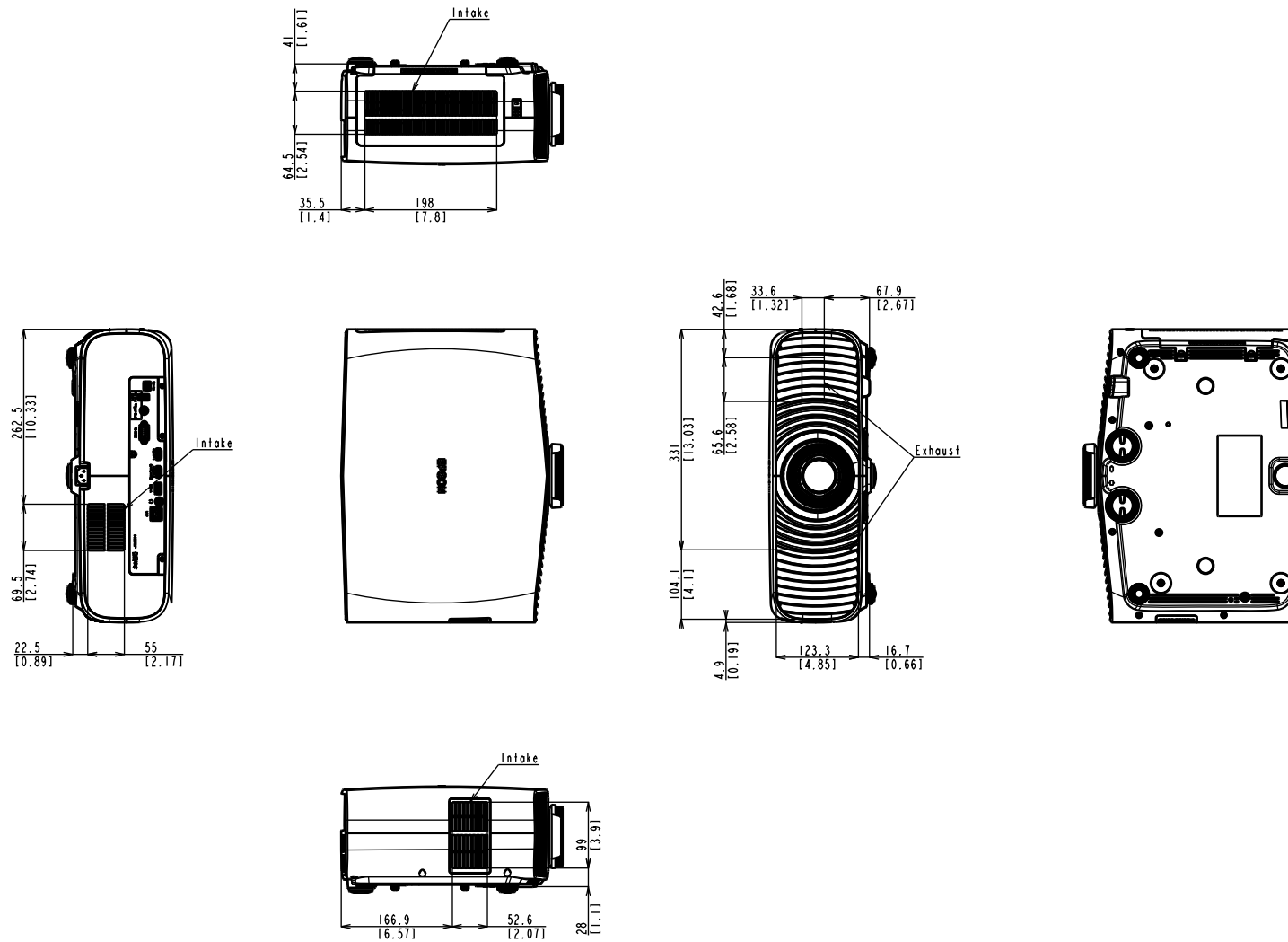
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Unit: [inches]
EH-LS7500



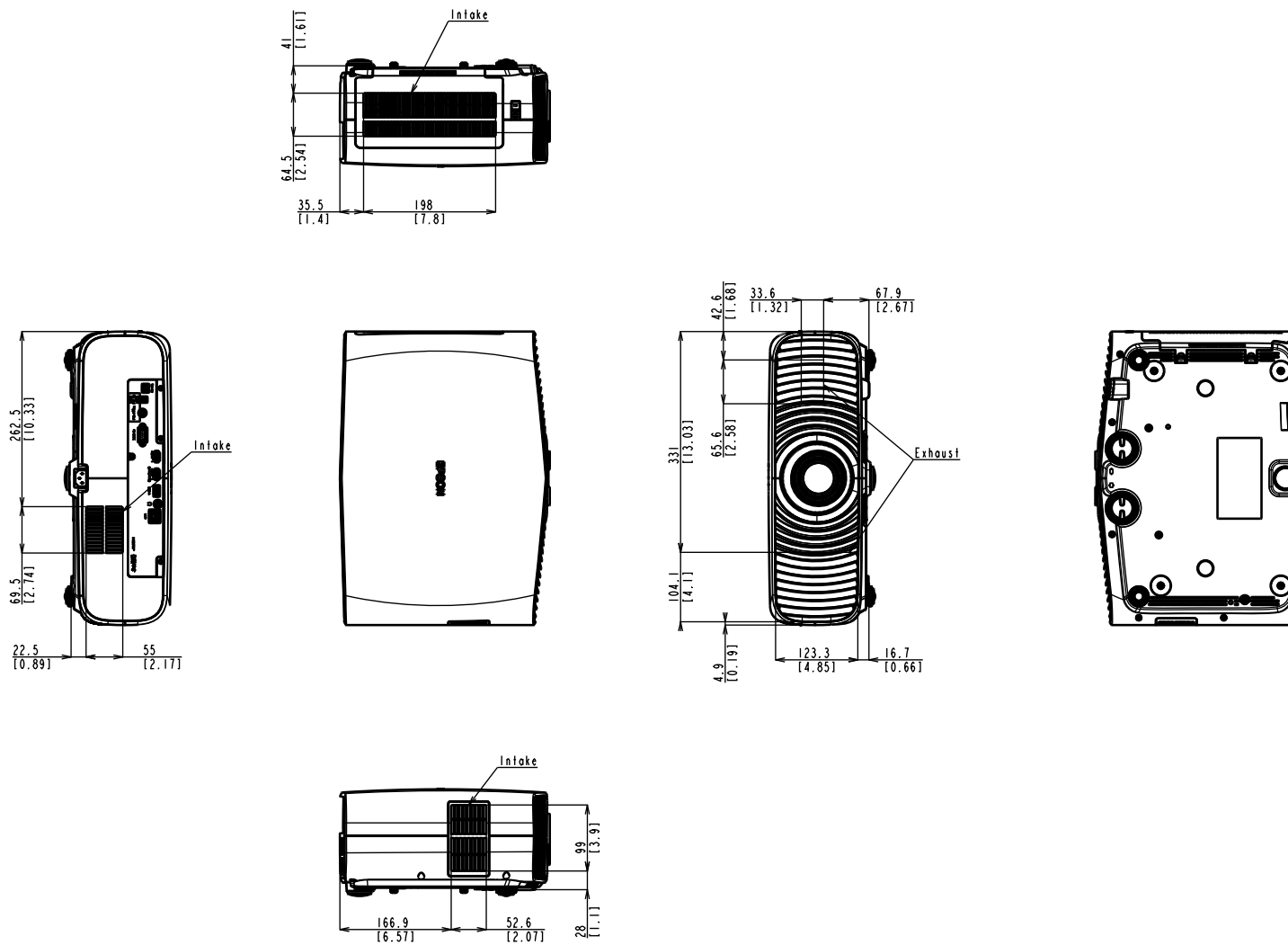
EH-LS7000



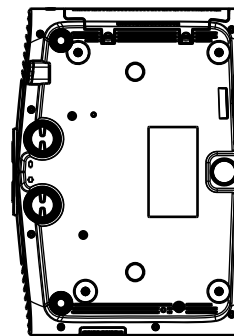
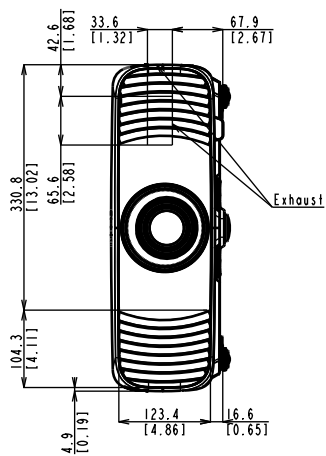
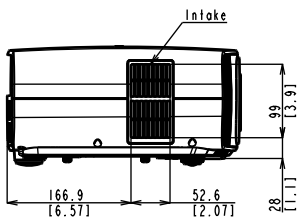
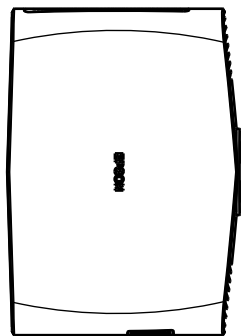
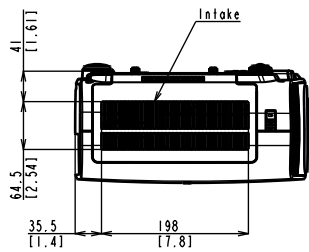
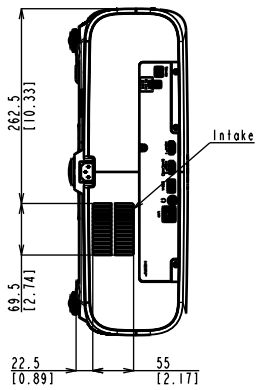
EH-LS6000/EH-LS5000



EH-LS7000



EH-LS6000/EH-LS5000





This crossed out wheeled bin label indicates that this product should not be disposed of via the normal household waste stream. To prevent possible harm to the environment or human health, please separate this product from other waste streams to ensure that it can be recycled in an environmentally sound manner. For more details on the available collection facilities, please contact Epson India Pvt. Ltd. or the retailers where you purchased this product.

इस क्रॉस चिन्ह से अंकित पहिए वाला कूड़ादान सूचित करता है कि इस उत्पाद को सामान्य घरेलू कूड़े के साथ नहीं फेंकना चाहिए. पर्यावरण या मानवीय स्वास्थ्य को नुकसान पहुँचाने की संभावना से बचने के लिए, कृपया इस उत्पाद को अन्य कूड़े से अलग करें और सुनिश्चित करें कि पर्यावरण अनुकूल पद्धति से उसे पुनर्चक्रित किया जाता है. उपलब्ध संग्रहण सुविधाओं पर अतिरिक्त जानकारी के लिए, कृपया एपसॉन इंडिया प्रा.लि. से या जिस विक्रेता से उत्पाद खरीदा हो, उनसे संपर्क करें.

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