EPSON
EXCEED YOUR VISION

User's Guide

Accent Lighting Laser Projector

EV-115
EV-110

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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 control panel. 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.7
- "Getting the Latest Version of the Documents" p.8

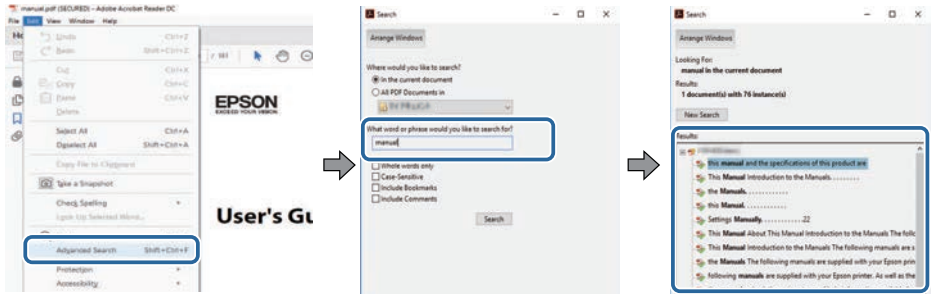
The PDF manual allows you to search for information you are looking for by keyword, or jump directly to specific sections using the bookmarks. You can also print only the pages you need. This section explains how to use a PDF manual that has been opened in Adobe Reader X on your computer.

Related Links

- "Searching by Keyword" p.7
- "Jumping Directly from Bookmarks" p.7
- "Printing Only the Pages You Need" p.7

Searching by Keyword

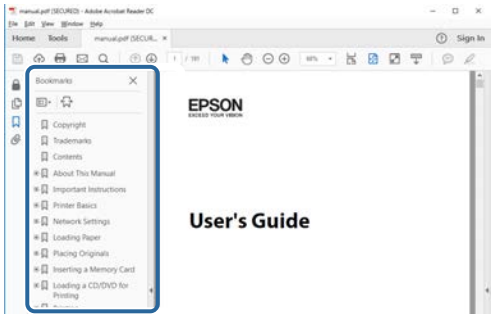
Click **Edit** > **Advanced Search**. Enter the keyword (text) for information you want to find in the search window, and then click **Search**. Hits are displayed as a list. Click one of the displayed hits to jump to that page.



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.

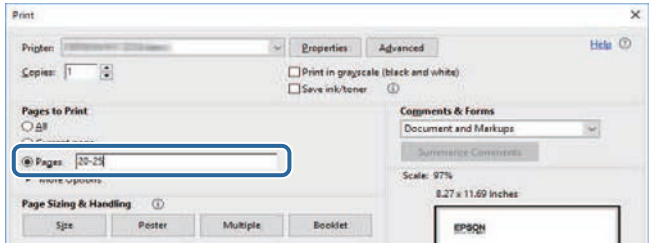
- Windows: Hold down **Alt**, and then press ←.
- Mac OS: Hold down the command key, and then press ←.



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



Getting the Latest Version of the Documents

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

Visit epson.sn, and enter your projector's name.

Introduction to Your Projector

Refer to these sections to learn more about your projector's features and part names.

Related Links

- "Projector Features" p.10
- "Projector Parts and Functions" p.12

This projector comes with these special features. Refer to these sections for more details.

Related Links
- "Projecting for Exhibitions" p.10
- "Adjusting the Position of the Image" p.10
- "Spotlights that Create Eye-catching Products" p.11
- "Long-life Laser Light Source" p.11

Projecting for Exhibitions

Your projector allows you to project your content for exhibitions as digital signage.

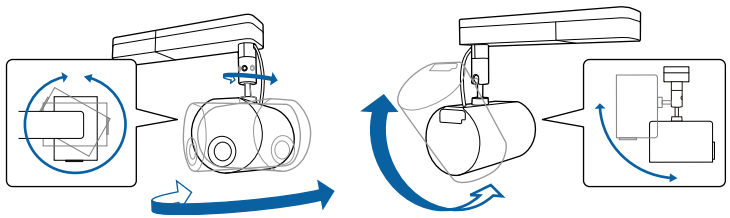
- You can play your playlists, and add color and shape effects to your projected image.
- You can use one of the following methods to create content for projection.
  - The Epson Projector Content Manager software allows you to create playlists and save them on an external storage device. You can also add color and shape effects to your projected image, and schedule playlists. See the *Epson Projector Content Manager Operation Guide* for details.
  - Epson Web Control allows you to create playlists using a Web browser and save them to an external storage device connected to a projector on a network. You can also add color and shape effects to your projected image.
  - The Epson Creative Projection app allows you to create content on iOS devices. You can also transfer content to the projector wirelessly.
    You can download Epson Creative Projection from the App Store. Any fees incurred when communicating with the App Store are the responsibility of the customer.

You can download the necessary software and manuals from the following Web site:
epson.sn

Related Links
- "Controlling a Networked Projector Using a Web Browser" p.96
- "Adding Effects to Your Projected Image" p.63

Adjusting the Position of the Image

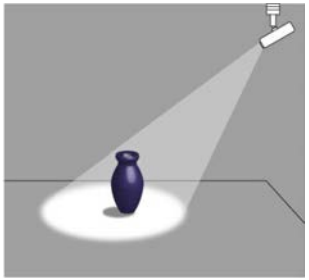
You can adjust the angle of the projector using the ball joint so that you can project in various directions.



Related Links
- "Adjusting the Projection Angle Using the Ball Joint" p.21

Spotlights that Create Eye-catching Products

You can use spotlight mode to project a virtual spotlight. Without moving your projector, you can move and customize the position, size, shape, and width of the spotlight.



Related Links
- "Using Spotlight Mode" p.58

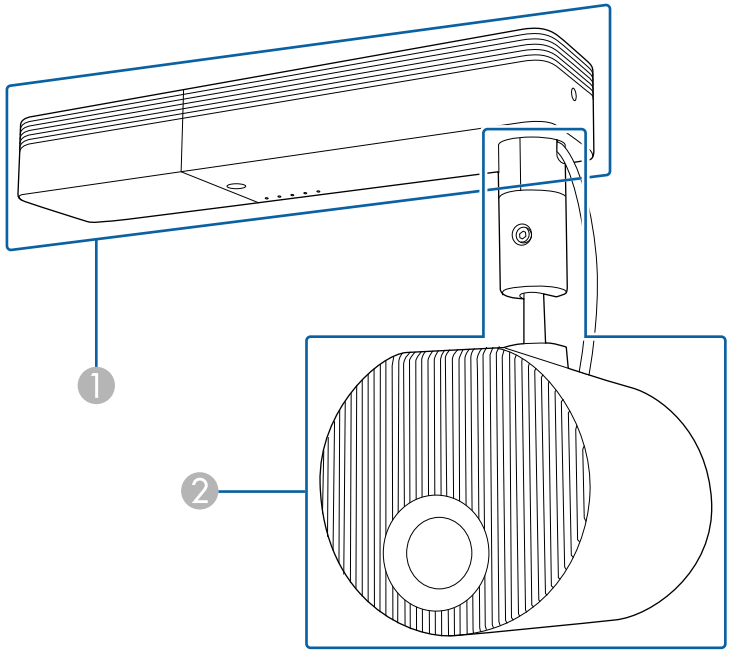
Long-life Laser Light Source

A solid-state laser light source provides virtually maintenance-free operation until light source brightness is reduced.

The following sections explain the projector parts and their functions.

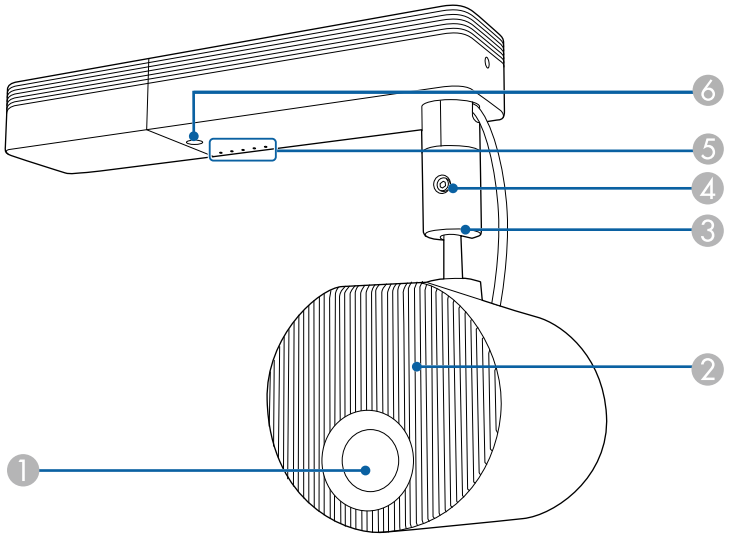
Related Links
- "Projector Parts - Front" p.12
- "Projector Parts - Rear" p.13
- "Projector Parts - Interface" p.13
- "Projector Parts - Top" p.14
- "Projector Parts - Remote Control" p.15

Projector Parts - Front



1 Power supply unit

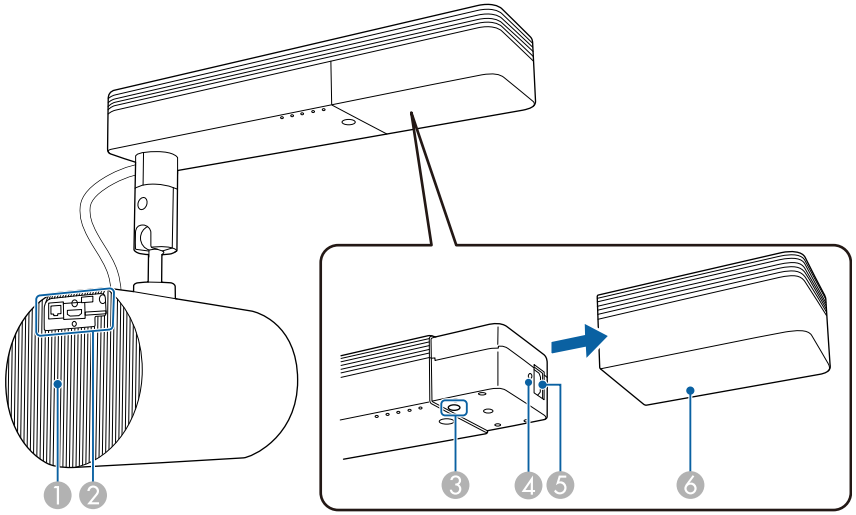
2 Projection unit



Name		Function
1	Lens	Images are projected from here.
2	Air intake vent	Takes in air to cool the projector internally.
3	Ball joint	Changes the projection angle.
4	Ball joint screw	Screws to secure the ball joint in place.
5	Indicators	Indicates the projector's status.
6	Remote receiver	Receives signals from the remote control.

Related Links
- "Projector Indicator Status" p.149
- "Cleaning the Air Intake Vent and the Air Exhaust Vent" p.146
- "Adjusting the Projection Angle Using the Ball Joint" p.21

Projector Parts - Rear

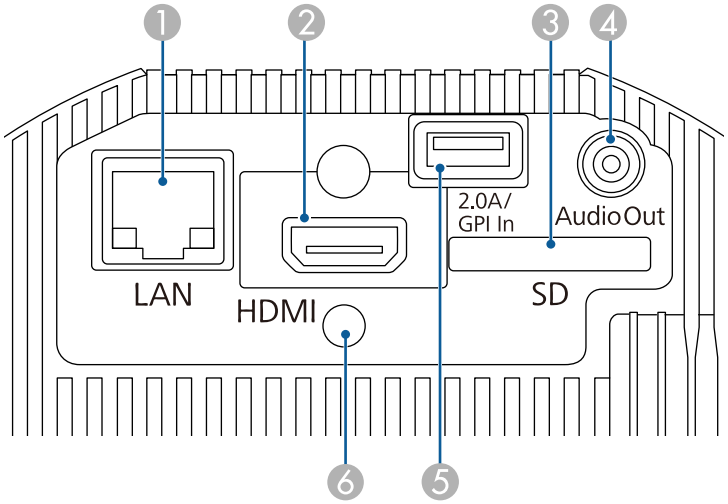


Name		Function
1	Air exhaust vent	Exhaust vent for air used to cool the projector internally. **⚠ Caution** While projecting, do not put your face or hands near the air exhaust vent, and do not place objects that may become warped or damaged by heat near the vent. Hot air from the air exhaust vent could cause burns, warping, or accidents to occur.
2	Interface	See the list of available interfaces.
3	Power button [⏻]	Turns the projector on or off.
4	Cable clip attachment point	Attaches a cable clip used to provide additional support to the power cord.
5	Power inlet	Connects the power cord to the projector.
6	Cable cover	Covers the power port and the power button.

Related Links

- "Projector Parts - Interface" p.13
- "Cleaning the Air Intake Vent and the Air Exhaust Vent" p.146
- "Attaching and Removing the Cable Clips" p.28

Projector Parts - Interface

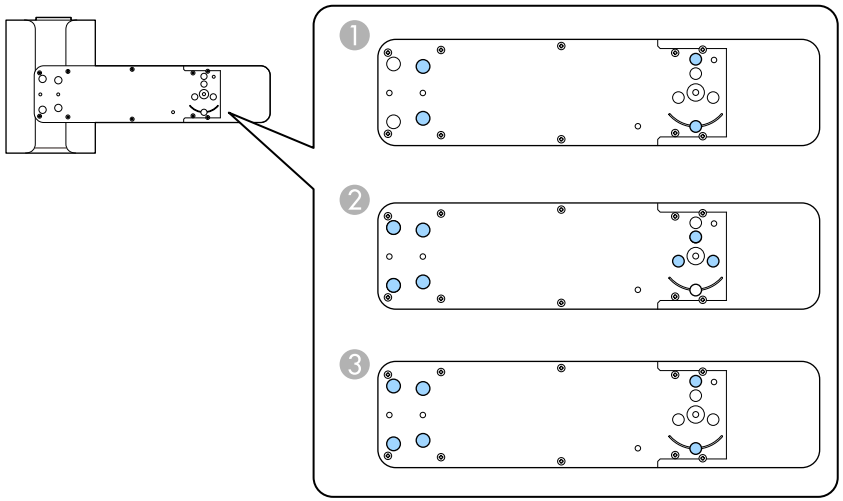


Name		Function
1	LAN port	Connects a LAN cable to connect to a network.
2	HDMI port	Inputs video signals from HDMI compatible video equipment and computers. This projector is compatible with HDCP.

Name		Function
③	SD card slot	Insert an SD card into this slot.
④	Audio Out port	Outputs audio from the current input source to an external speaker.
⑤	DC Out (2.0A) / GPI In port	Supplies power to a device connected to this port, or connects external devices such as sensors. USB data transfer is not available.
⑥	Cable clip attachment point	Attaches a cable clip used to provide additional support to the HDMI cord.

Related Links
- "Art-Net Channel Definitions" p.112
- "Attaching and Removing the Cable Clips" p.28
- "Connecting to External Sensor Devices" p.28
- "Using External Sensors" p.79

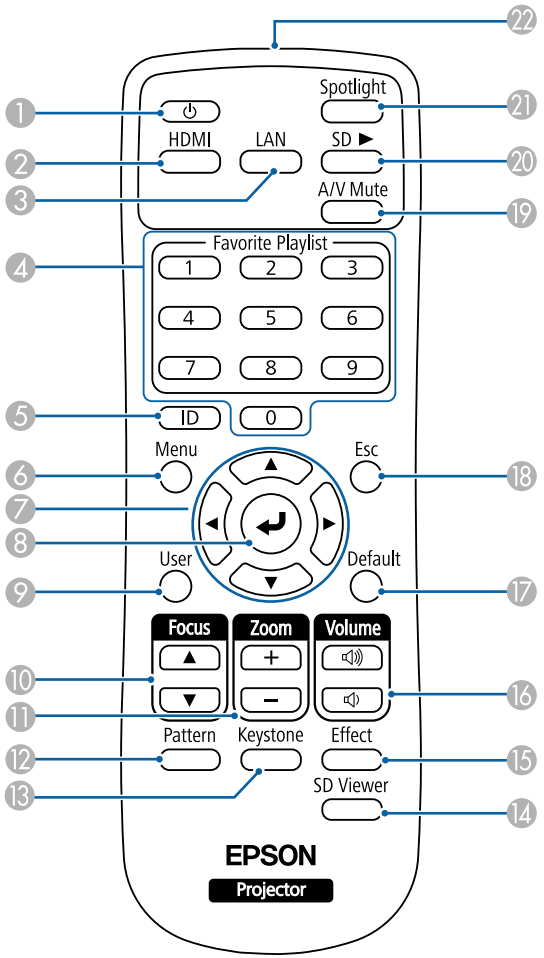
Projector Parts - Top



Name		Function
①	Direct Mount fixing points (four points)	Attaches the Direct Mount when installing the projector on a wall or ceiling.
②	Lighting Track Mount fixing points (seven points)	Attaches the optional Lighting Track Mount when installing the projector on a lighting track.
③	Floor Stand fixing points (six points)	Attaches the optional Floor Stand when placing the projector on the floor.

Related Links
- "Projector Placement" p.18
- "Optional Accessories and Replacement Parts" p.162

Projector Parts - Remote Control



Name		Function
❶	Power button [⏻]	Turns the projector on or off.
❷	[HDMI] button	Switches the image source to the HDMI port.

Name		Function
❸	[LAN] button	Switches the image source to the network connected device.
❹	Numeric buttons	Allows you to enter numbers in the projector's menu. Enter numbers to play back your favorite playlists.
❺	[ID] button	Hold down this button and press the numeric buttons to select the ID for the projector you want to operate using the remote control.
❻	[Menu] button	Displays and closes the projector's menu.
❼	Arrow buttons	Selects menu items while displaying the projector's menu.
❽	[Enter] button [↵]	Enters the current selection and moves to the next level while displaying the projector's menu.
❾	[User] button	Performs settings assigned in the **User Button** setting in the projector's **Settings** menu.
❿	[Focus] button	Adjusts the focus.
⓫	[Zoom] button	Resizes the projected image.
⓬	[Pattern] button	Displays a test pattern.
⓭	[Keystone] button	Corrects distortion in the projected image.
⓮	[SD Viewer] button	Displays the list of playlists.
⓯	[Effect] button	Displays the **Overlay Effect** menu to change the shape and color of the image.
⓰	[Volume] up/down buttons	Adjusts the volume of external speakers.
⓱	[Default] button	Returns the selected setting to its default value.
⓲	[Esc] button	Stops the current function. Moves back to the previous menu level while displaying the projector's menu.
⓳	[A/V Mute] button	Turns the video and audio on or off temporarily.
⓴	[SD ▶] button	Plays the playlist on the SD card.
㉑	[Spotlight] button	Switches to spotlight mode.

Name		Function
22	Remote control light emitting area	Outputs remote control signals.

Related Links

- "Image Shape" p.42
- "Projector Feature Settings - Settings Menu" p.124
- "Projecting Your Playlists" p.59
- "Projector Security Features" p.76
- "Setting the Projector ID" p.67
- "Using the Projector's Menus" p.120
- "Focusing the Image" p.47
- "Resizing the Image with Zoom" p.45
- "Displaying a Test Pattern" p.41
- "Using Spotlight Mode" p.58
- "Adding Effects to Your Projected Image" p.63
- "Shutting Off the Image and Sound Temporarily" p.65

Setting Up the Projector

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

Related Links

- "Projector Placement" p.18
- "Projector Connections" p.24
- "Installing Batteries in the Remote Control" p.30
- "Remote Control Operation" p.31

Use the mount supplied to install the projector on a wall or ceiling.

Optional mounts are necessary to install the projector on lighting tracks or to install it on the floor or a table.

Note the following points when selecting a projector location:

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

⚠ Warning

- Do not use or install the projector where it may be subject to water or rain, or high humidity, such as outdoors, in a bathroom, or shower room, and so on. Otherwise, it could cause a fire or electric shock.
- A special method of installation is required when installing the projector on a wall or ceiling. Contact a qualified technician to install the projector. If you do not install the projector correctly, it could fall and cause damage or injury.
- Do not use adhesives on the fixing points for the mounts 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 mount. This could cause serious injury to anyone under the mount and could damage the projector.
- Failure to install the ceiling mount and projector may cause the projector to fall. After installing the specific Epson mount that supports your projector, make sure you secure the mount to all of the projector's ceiling mount fixing points. Also, secure the projector and the mounts using the safety wire supplied with the projector or an optional wire.
- 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.

⚠ Warning

- When adjusting the orientation of the projection unit, make sure that the projected light does not fall on the projector's power supply section. If projected light falls on the projector, it may become hot causing an injury or fire to occur.
- 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, and it could cause 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.
- Do not use adhesives to prevent the screws from loosening, or use lubricants, oils, or similar substances on the ball joint. Otherwise, the strength that is necessary to hold the projection unit in place decreases which could cause an accident or injury to occur.
- 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.

⚠ Caution

Make sure you install the optional Floor Stand when placing the projector on the floor.

Attention

- If you are using the projector at altitudes above 1,500 m, set the **High Altitude Mode** setting to **On** in the projector's menu to ensure the projector's internal temperature is regulated properly.
  ☛ **Extended** > **Operation** > **High Altitude Mode**
- The cable connecting the power supply unit and the projection unit is wrapped in plastics at the time of purchase. Make sure you remove the plastics before using the projector.

Related Links

- "Notes on Transporting" p.19
- "Projector Setup and Installation Options" p.19

- "Projection Distance" p.21
- "Adjusting the Projection Angle Using the Ball Joint" p.21
- "Image Shape" p.42
- "Projector Setup Settings - Extended Menu" p.126

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.

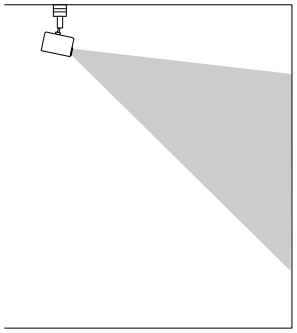
Attention

- To move it closer, turn off the projector and unplug all of the wires.
- When transporting, as well as the precautions above, prepare the following and contact your courier:
  - Make sure there is no SD card inserted in the projector.
  - Tighten the ball joint screw completely to prevent the projector from moving during transportation.
  - Protect the outside of the projector so that it does not receive any impacts during transportation.
  - Place the projector in a sturdy box and indicate on the box that it is a precision instrument.

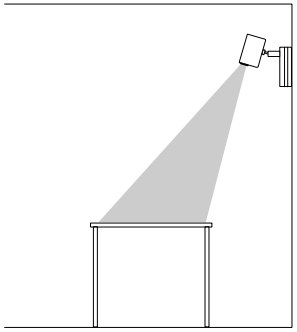
Projector Setup and Installation Options

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

Mounted on a ceiling or lighting track

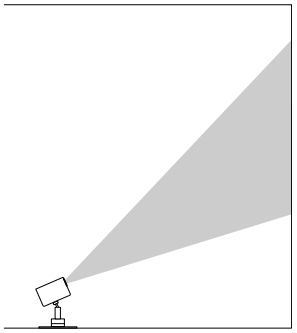


Mounted on a wall



- Use the Direct Mount (supplied) only when installing on a ceiling or wall.
- If installing on a lighting track, use only the optional Lighting Track Mount.
- When installing on a ceiling or wall, we recommend a horizontal ceiling or a vertical wall. See the *Installation Guide* for details.

Placed on the floor or on a table



- Use the optional Floor Stand to install on the floor or a table.
- Do not install on the floor or a table using the Direct Mount supplied.
- Place the projector on a level and stable location.

Make sure you select the correct **Projection** setting in the projector's **Extended** menu.

Related Links

- "Precautions on Installation" p.20
- "Projection Modes" p.39

Precautions on Installation

Note the following precautions when installing the projector.

Attention

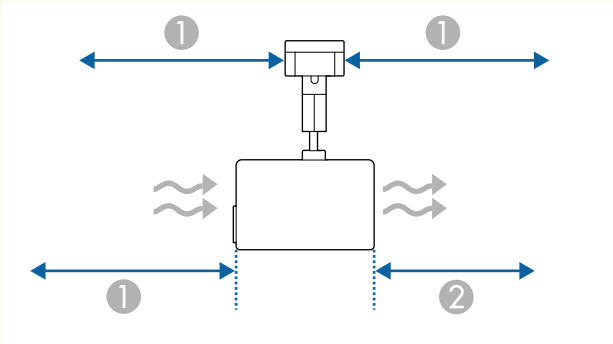
Do not install the projector in a location that does not allow air to circulate, such as on a shelf or in a box.

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

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.



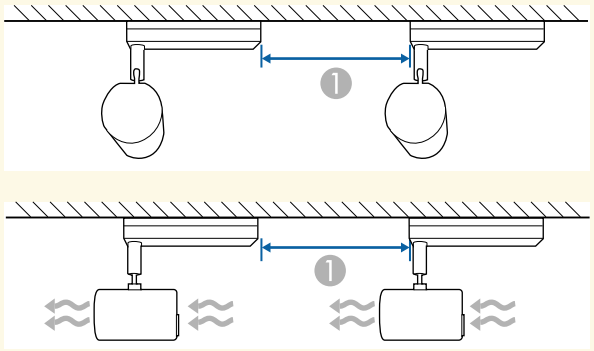
1 30 cm

2 20 cm

- When installing the projector on a ceiling or wall, make sure it is not close to the air exhaust vent of an air conditioner.

Installation space (When installing multiple projectors side by side)

Attention
If you are installing multiple projectors next to each other, make sure hot air from the exhaust vent does not go into the air intake vent of another projector.



1 50 cm

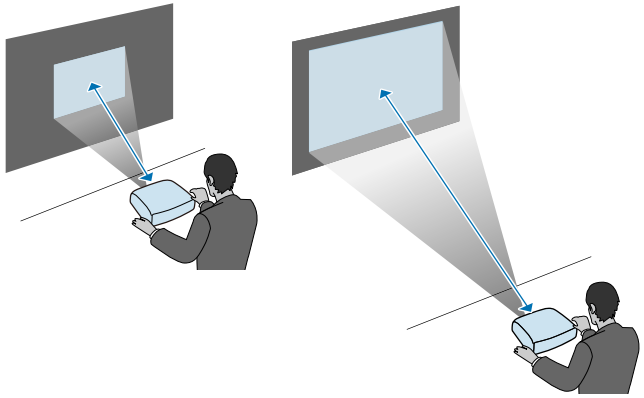
Related Links
- "Screen Size and Projection Distance" p.163

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.

When correcting keystone distortion, your image is slightly smaller.



Related Links
- "Screen Size and Projection Distance" p.163

Adjusting the Projection Angle Using the Ball Joint

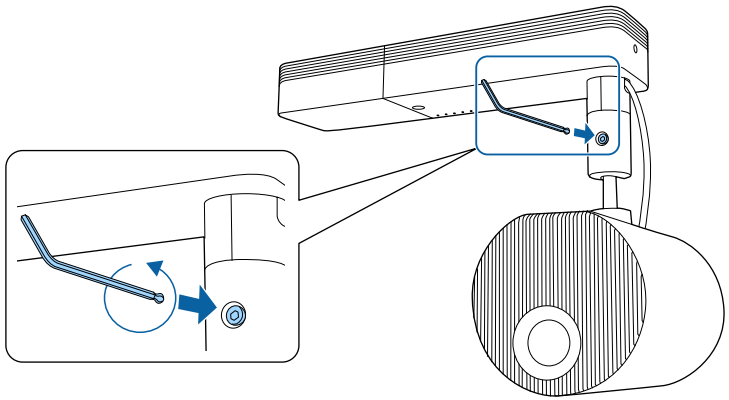
You can adjust the projection angle using the ball joint.

Caution
- Make sure you do not trap your fingers in the ball joint.
- Do not force the projection unit to move after tightening the ball joint screw.

Attention
Make sure you support the bottom of the projection unit so that it does not move, and tighten the screw with the hexagonal wrench supplied (diagonal size 5.0 mm).

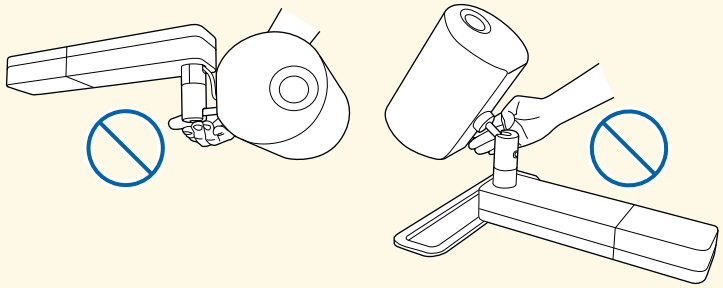
We recommend adjusting the projection angle and setting the focus and zoom at least 20 minutes after you start projecting, because images are not stable right after turning on the projector.

1. Press the power button on the remote control to turn on the projector.
2. Loosen the ball joint screw using a hexagonal wrench.



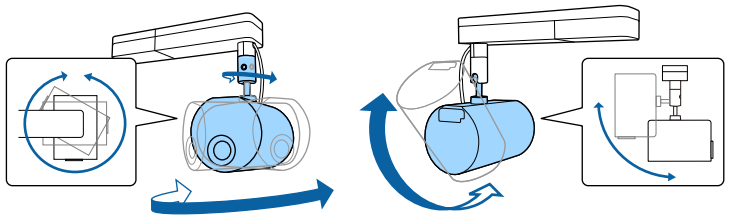
Attention

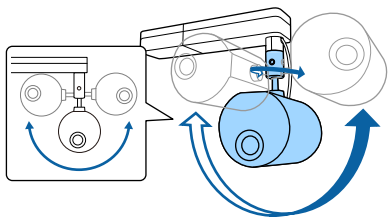
- If you loosen the screw while the projection unit is tilted, the projection unit may move suddenly under its own weight. When loosening the screw, make sure you support the projector's projection unit so that the projector does not move suddenly.



- Do not grip the ball joint when loosening the screw. Otherwise, your fingers could get trapped.

3. Adjust the projection angle.



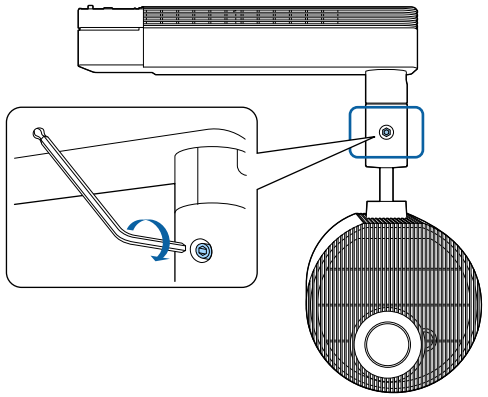


Attention

- Do not apply excessive force to the cables connected to the projector.
- Do not wind cables around the ball joint. Otherwise, the cables could be damaged.

You can rotate the projection unit 360 degrees horizontally and 90 degrees vertically. You can also tilt the image 90 degrees in either direction.

4 After you finish making adjustments, tighten the ball joint screw that you loosened.



- When retightening the screw using the included hexagon wrench, do not use the ball point side of the wrench.
- Adjust the size and focus after changing the projection position.
- Displaying the test pattern makes it easier to adjust the projection position.

Related Links

- "Turning On the Projector" p.33
- "Resizing the Image with Zoom" p.45
- "Focusing the Image" p.47
- "Displaying a Test Pattern" p.41

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

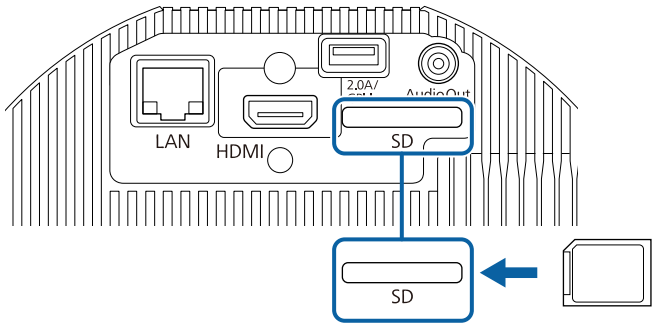
Attention
Check the shape and orientation of the connectors on any cable you plan to connect. Do not force a connector into a port if it does not fit. The device or your projector could be damaged or could malfunction.

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

Related Links
- "Inserting an SD Card" p.24
- "Connecting to a Computer" p.24
- "Connecting to an HDMI Video Source" p.25
- "Connecting to a Streaming Media Player" p.25
- "Connecting to External Speakers" p.26
- "Connecting to Bluetooth® Audio Devices" p.26
- "Connecting to External Sensor Devices" p.28
- "Attaching and Removing the Cable Clips" p.28

Inserting an SD Card

You can insert an SD card into the projector's SD card slot.



- The projector supports SDHC/microSDHC cards of Class 10 or higher with a maximum of 32 GB.
- Make sure you use SD cards in FAT16 or FAT32 format.

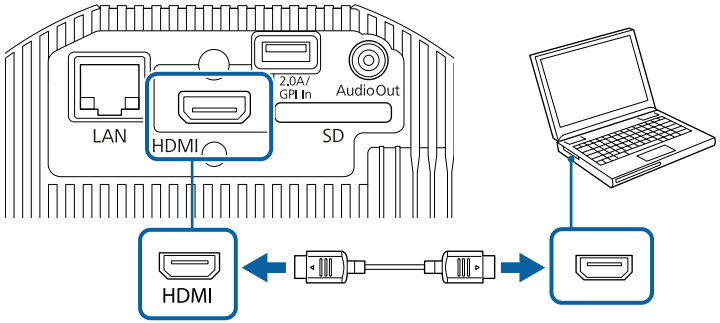
Related Links
- "Playing a Playlists" p.59

Connecting to a Computer

If your computer has an HDMI port, you can connect it to the projector using an HDMI cable and send the computer's audio with the projected image.

To connect a Mac that does not have an HDMI port, you need an adapter that allows you to connect to the projector's HDMI port. Contact Apple for compatible adapter options. Older Mac computers (2009 and earlier) may not support audio through the HDMI port.

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



Related Links
- "Projector Setup Settings - Extended Menu" p.126

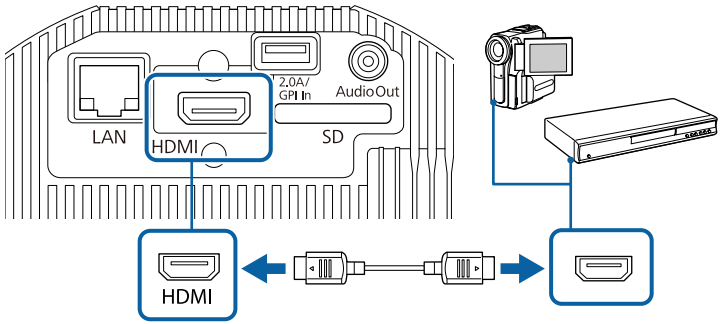
Connecting to an HDMI Video Source

If your video source has an HDMI port, you can connect it to the projector using an HDMI cable and send the image source's audio with the projected image.

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.

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



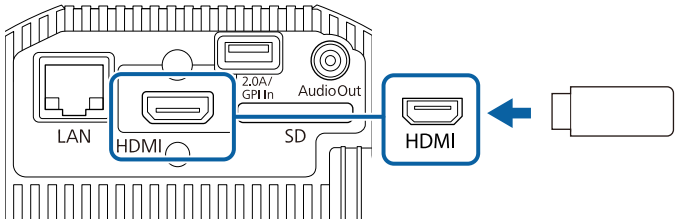
Related Links
- "Projector Setup Settings - Extended Menu" p.126

Connecting to a Streaming Media Player

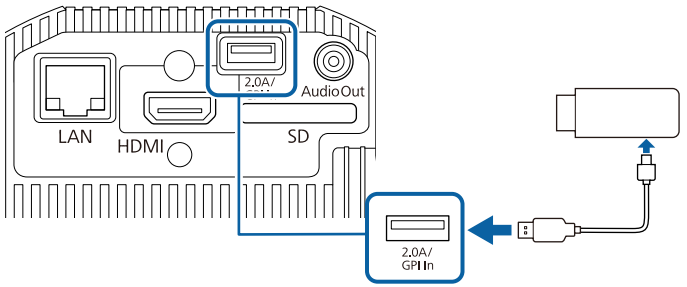
You can connect your streaming media player to the projector's HDMI port. By connecting the power supply USB cable, you can power the streaming media player from the projector.

To keep supplying power to the streaming media player when the projector is not projecting images, select **Always On/On** as the **DC Out/GPI In** setting in the projector's **Extended** menu.
☛ **Extended** > **DC Out (2.0A)/GPI In Settings** > **DC Out/GPI In**

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 (2.0A) / GPI In port.
3. Connect the other end to the streaming media player's USB port (Type-B).

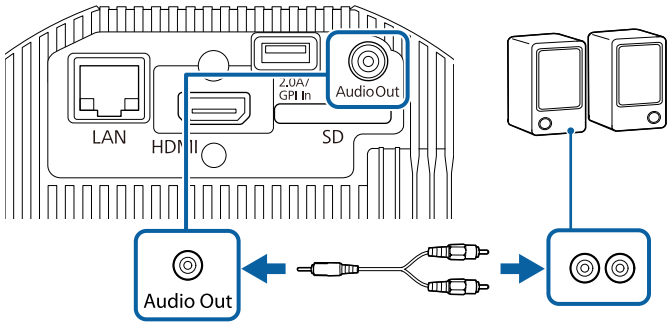


Connecting to External Speakers

You can connect the projector to external self-powered speakers. You can control the volume using the projector's remote control.

- You can also connect the projector to an amplifier with speakers.

1. Make sure your computer or video source is connected to the projector with the necessary video cables.
2. Locate the appropriate cable to connect your external speakers, such as a stereo mini-jack-to-pin-jack cable, or another type of cable or adapter.
3. Connect one end of the cable to your external speakers as necessary.
4. Connect the stereo mini-jack end of the cable to your projector's Audio Out port.



Related Links

- "Projector Setup Settings - Extended Menu" p.126
- "Adjusting the Brightness" p.54

Connecting to Bluetooth® Audio Devices

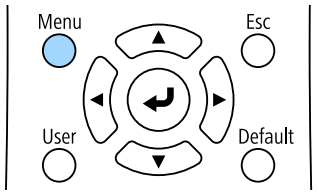
You can connect your projector to Bluetooth audio devices (A2DP compliant) such as speakers or headphones to output audio from the following sources:

- HDMI
- LAN
- SD

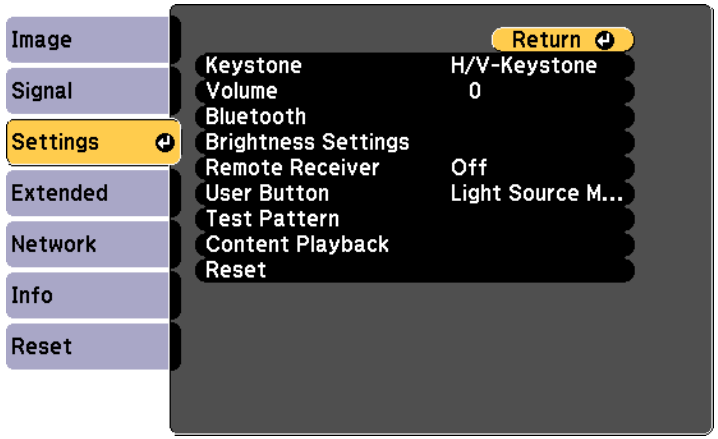
To output audio to Bluetooth audio devices, select **On** as the **Bluetooth Audio** setting in the projector's **Settings** menu.

- There is a delay in the audio output to any Bluetooth audio devices.
- Bluetooth audio devices are not supported in some countries and regions.
- Use Bluetooth audio devices that support the SCMS-T standard.

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

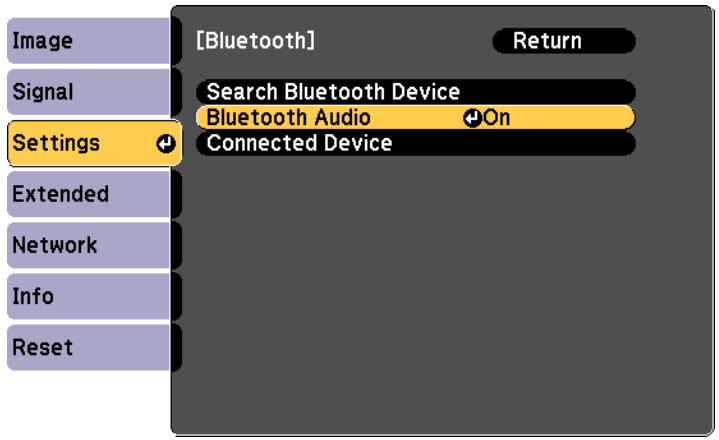


3 Select the **Settings** menu and press [Enter].



4 Select **Bluetooth** and press [Enter].

5 Select **On** as the **Bluetooth Audio** setting.



6 Turn on "pairing mode" on the Bluetooth audio device you want to connect to. See your Bluetooth audio device manual for details.

7 Select **Search Bluetooth Device** and press [Enter].

A list of available devices is displayed.

8 Select the Bluetooth audio device you want to connect to and press [Enter].

9 Press [Menu] or [Esc] to exit the menus.

The next time you turn on the projector, the last connected device is automatically connected to the projector. To change the connected device, repeat from steps 6.

Related Links

- "Bluetooth Specifications" p.27

Bluetooth Specifications

Version	Bluetooth Ver. 4.2
Output	Class 2
Communication distance	Approx. 10 m
Supported profiles	A2DP
Content protection	SCMS-T
Frequency used	2.4 GHz band (2.402 to 2.480 GHz)
Supported codecs	SBC, Qualcomm® aptX™ audio

⚠ 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.

- Connect a Bluetooth device that supports copyright protection (SCMS-T).
- 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 status of the signal.
- The communication method for Bluetooth uses the same frequency (2.4 GHz) as wireless LAN (IEEE802.11b/g/n) 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.
- You cannot connect multiple Bluetooth devices to the projector at the same time.

Connecting to External Sensor Devices

You can connect external devices such as sensors by using a USB cable to receive the input signal from the sensor devices. See the *EV-115/EV-110 External Sensors Setup Guide* for details.

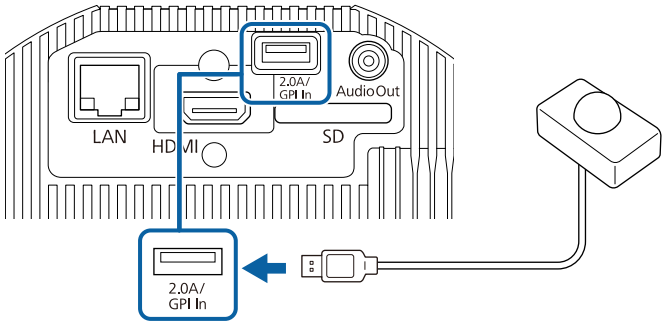
You can download the information from the following Web site.

epson.sn

Attention
Incorrect connection could damage the product. Contact a qualified technician to connect the external sensor device.

- The projector's DC Out (2.0A) / GPI In port cannot receive USB standard signals.
- You need to process the sensor cable so that you can connect it to the DC Out (2.0A) / GPI In port. Alternatively, you can use a commercially available connector instead.
- As well as sensors, you can also connect other external devices such as buttons and switches.

1. Connect the USB cable to your external sensor's output port.
2. Connect the other end to the projector's DC Out (2.0A) / GPI In port.



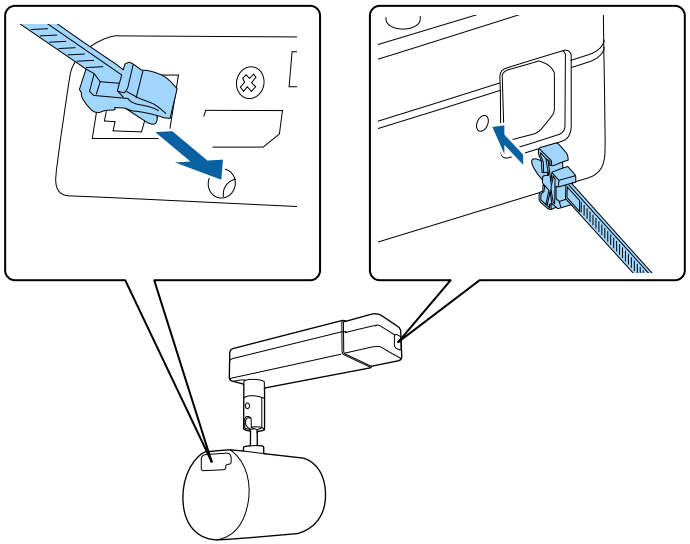
Related Links
- "Using External Sensors" p.79

Attaching and Removing the Cable Clips

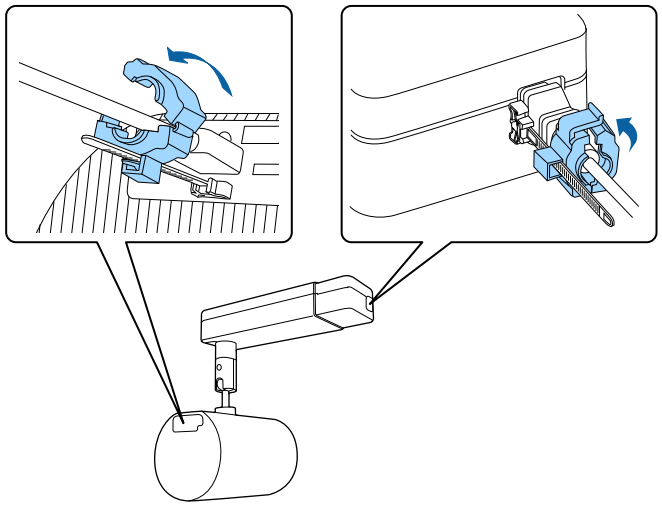
You can insert the cable clips so that the power cord and HDMI cable do not disconnect under their own weight.

1. Connect the power cord and HDMI cable to the projector.

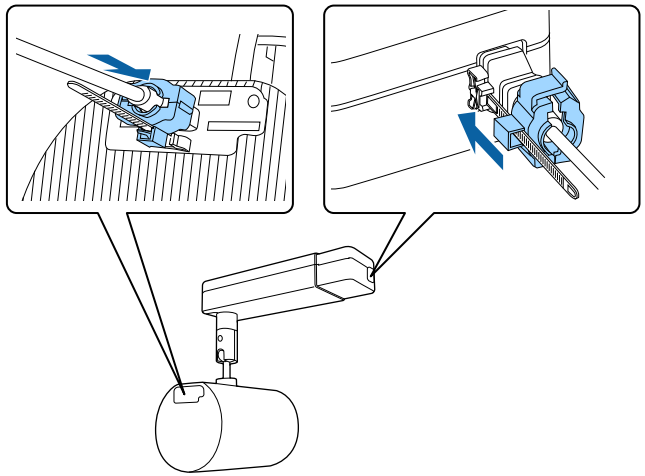
2 Insert the end of each cable clip anchor into the cable clip attachment point beside the each port.



3 Place the open cable clips around the power cord and HDMI cable, but do not lock them.



4 Slide each cable clip onto the anchors and lock the clips onto the power and HDMI anchors.



To remove the cable clips, open the clips and disconnect the cables. Then pinch the sides of each cable clip anchor and carefully pull them out of the cable clip attachment points.

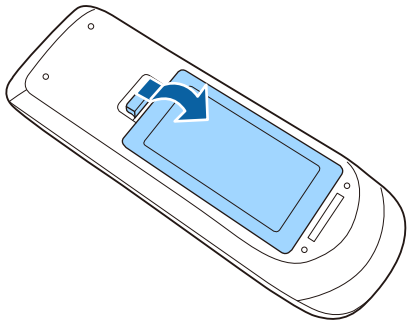
Installing Batteries in the Remote Control

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.

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

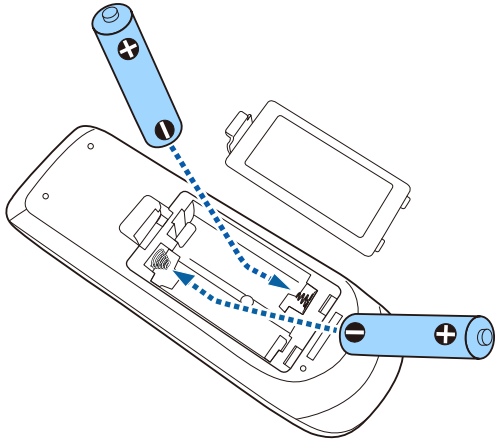
1 Remove the battery cover as shown.



2 Remove the old batteries, if necessary.

Dispose of used batteries according to local regulations.

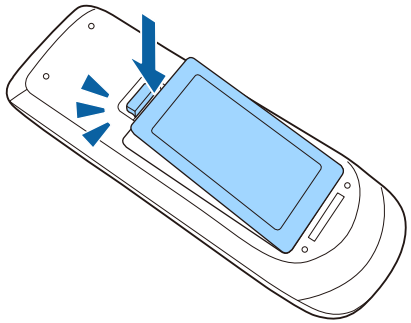
3 Insert the batteries with the + and – ends facing as shown.



⚠ Warning

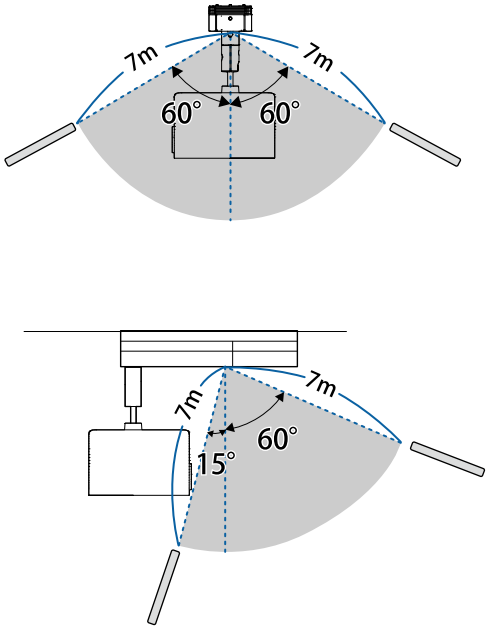
Check the positions of the (+) and (–) marks inside the battery holder to ensure the batteries are inserted the correct way. If the batteries are not used correctly, they could explode or leak causing a fire, injury, or damage to the product.

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



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.



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

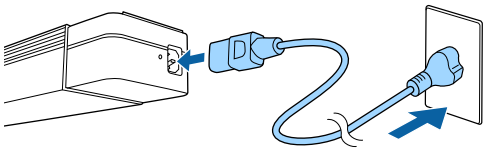
Follow the instructions in these sections to use your projector's basic features.

Related Links

- "Turning On the Projector" p.33
- "Turning Off the Projector" p.35
- "Setting the Date and Time" p.36
- "Selecting the Language for the Projector Menus" p.38
- "Projection Modes" p.39
- "Displaying a Test Pattern" p.41
- "Image Shape" p.42
- "Resizing the Image with Zoom" p.45
- "Adjusting the Image Position" p.46
- "Focusing the Image" p.47
- "Selecting an Image Source" p.48
- "Image Aspect Ratio" p.49
- "Adjusting Image Quality (Color Mode)" p.51
- "Adjusting the Brightness" p.54
- "Controlling the Volume with the Volume Buttons" p.56

Turn on the computer or video equipment you want to use after you turn on the projector.

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



When the projector is installed on a lighting track, the projector enters standby status when you turn on the power to the lighting track.

The projector's power indicator turns blue. This indicates that the projector is receiving power, but is not yet turned on (it is in standby mode).

2 Press the power button on the remote control to turn on the projector.

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

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 DVD or other video media, and press play (if necessary).
- Press the button for the desired video source on the remote control.

⚠ 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.
- 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. To stop projection, use the A/V Mute function, or turn off the projector.
- Do not open the projector's case. Never disassemble or remodel the projector. There are high-voltage components inside the projector that could cause fire, electric shock, or an accident.
- If an error occurs, disconnect the power cord from the electrical outlet, and contact Epson for help. If you continue using the projector as it is, it could cause an electric shock, fire, or even damage to eyesight.

⚠ Caution

Do not place objects that may become warped or otherwise affected by heat near the air exhaust vent and do not put your face or hands near the vent while projection is in progress.

Attention

Try not to touch the lens section with your hand or fingers. If fingerprints or oils are left on the surface of the lens, projection quality deteriorates.

- When the **Direct Power On** setting is set to **On** in the projector's **Extended** menu, the projector turns on as soon as you plug it in. Note that the projector also turns on automatically in cases such as recovery from a power outage.
  ☛ **Extended** > **Operation** > **Direct Power On**
- If you select a specific port as the **Auto Power On** setting in the projector's **Extended** menu, the projector turns on as soon as it detects a signal or cable connection from that port.
  ☛ **Extended** > **Operation** > **Auto Power On**
- About the LCD panel
  - When a high-powered laser beams through the surface of the projection lens even when it is not being used, it can cause a malfunction in the LCD panel.
  - If the same image is projected for an extended period, burning may occur on the LCD panel. Use **Refresh Mode** in the projector's **Reset** menu to reduce screen burn.

Related Links

- "Projector Setup Settings - Extended Menu" p.126
- "Adjusting the Brightness" p.54

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 mode selected, environmental conditions, and usage. Brightness decreases over time.
- If the **Light Source Calibration** setting is set to **Run Periodically** in the projector's **Reset** menu, light source calibration starts automatically if you turn off the projector and the following conditions are present:
  - 100 hours have passed since the last light source calibration
  - You have used the projector continuously for more than 20 minutes
- Since the projector supports the direct shutdown feature, it can be turned off directly using the breaker.

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

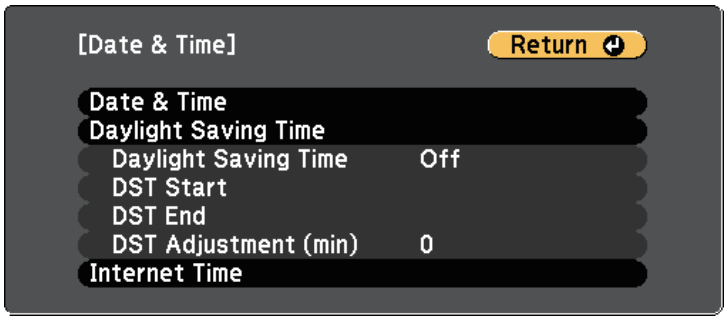
2. Press the power button again. (To leave it on, press any other button.)
   The light source turns off, and the status indicator turns off.

3. To transport or store the projector, make sure the power indicator is blue (but not flashing) and the status indicator is off, then unplug the power cord.

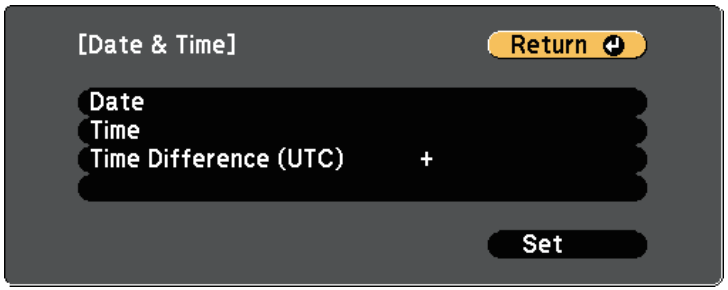
When the projector is installed on a lighting track, turn off the power to the lighting track.

You can set the date and time for the projector.

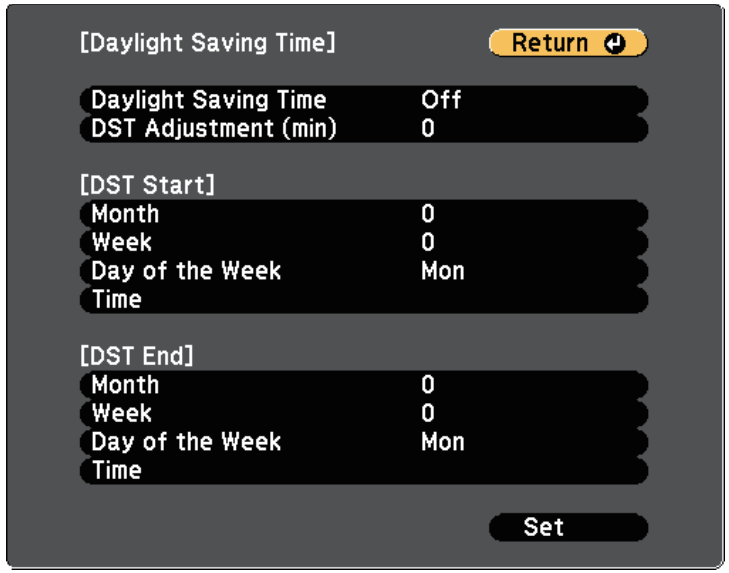
1. Turn on the projector.
2. Press the [Menu] button on the remote control.
3. Select the **Extended** menu and press [Enter].
4. Select the **Operation** setting and press [Enter].
5. Select the **Date & Time** setting and press [Enter].
   You see this screen:



6. Select the **Date & Time** setting and press [Enter].
   You see this screen:

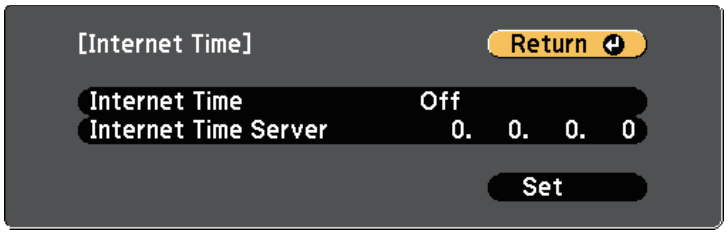


7. Select **Date**, press [Enter], and use the displayed keyboard to enter today's date.
8. Select **Time**, press [Enter], and use the displayed keyboard to enter the current time.
9. Select **Time Difference (UTC)**, press [Enter], and set the time difference from Coordinated Universal Time.
10. When you are finished, select **Set** and press [Enter].
11. To activate daylight saving time, select the **Daylight Saving Time** setting and press [Enter]. Then select settings.



12. When you are finished, select **Set** and press [Enter].

13 To update the time automatically through an Internet time server, select the **Internet Time** setting and press [Enter]. Then select settings.

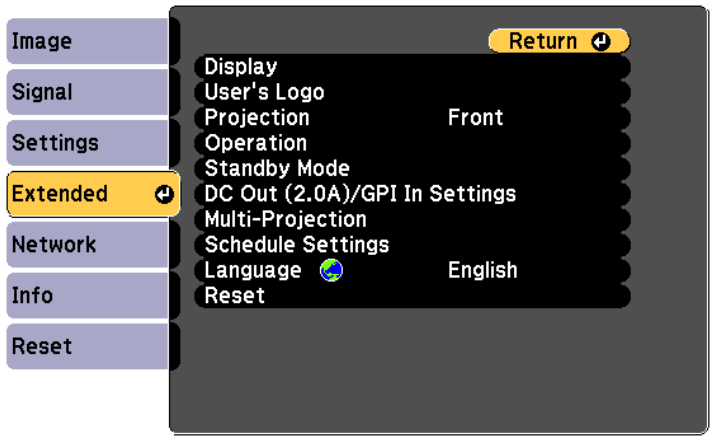


14 When you are finished, select **Set** and press [Enter].

15 Press [Menu] or [Esc] to exit the menus.

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

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



4. Select the **Language** setting and press [Enter].
5. Select the language you want to use and press [Enter].
6. Press [Menu] or [Esc] to exit the menus.

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

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

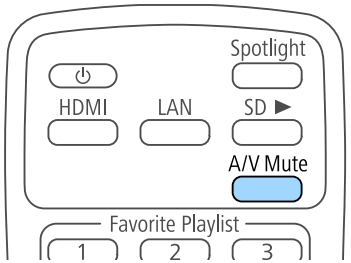
Related Links

- "Changing the Projection Mode Using the Remote Control" p.39
- "Changing the Projection Mode Using the Menus" p.39
- "Projector Setup and Installation Options" p.19

Changing the Projection Mode Using the Remote Control

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

1. Turn on the projector and display an image.
2. Hold down the [A/V Mute] button on the remote control for 5 seconds.



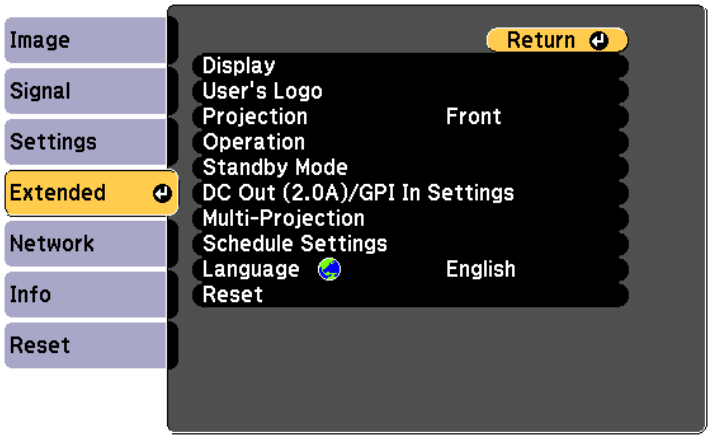
The image disappears briefly and reappears flipped top-to-bottom.

3. To change projection back to the original mode, hold down the [A/V Mute] button for 5 seconds again.

Changing the Projection Mode Using the Menus

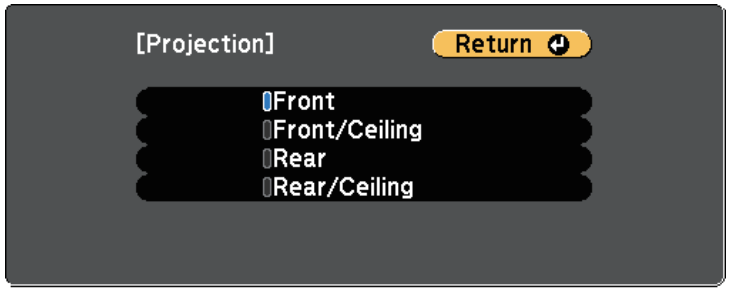
You can change the projection mode to flip the image over top-to-bottom and/or left-to-right using the projector menus.

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



4. Select **Projection** and press [Enter].

5 Select a projection mode and press [Enter].

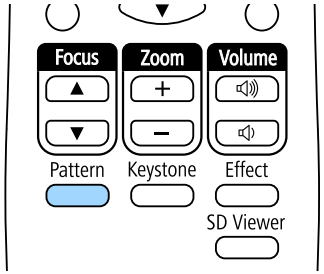


6 Press [Menu] or [Esc] to exit the menus.

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

To set menu items that cannot be set while the test pattern is being displayed or to fine-tune the projected image, project an image from the connected device.

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



The test pattern is displayed.

3. While the pattern is displayed, press the left or right arrow button on the remote control or press [Enter] to cycle through the available test patterns.
4. Adjust the image as necessary.
5. Press [Esc] to clear the test pattern.

You can also select a test pattern in the projector's menu.
☛ **Settings** > **Test Pattern**

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.

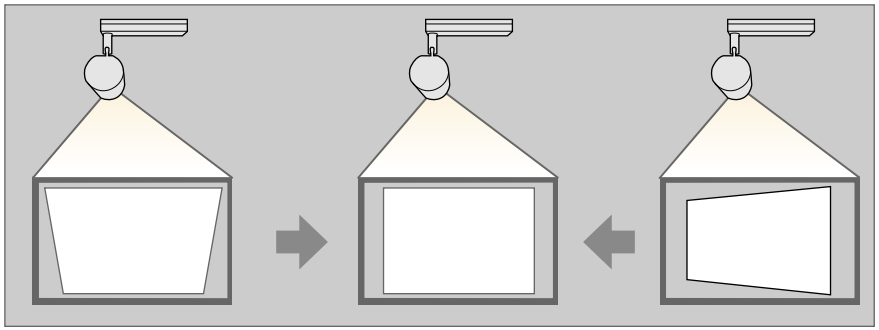
Related Links

- "Correcting the Image Shape with the Keystone Button" p.42
- "Correcting the Image Shape with Quick Corner" p.43

Correcting the Image Shape with the Keystone Button

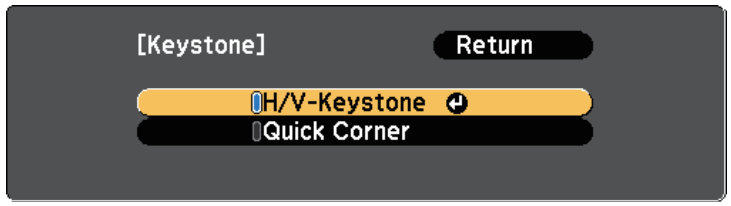
You can correct the shape of an image that is unevenly rectangular.

To correct the distortion in the horizontal and vertical directions independently, use the [Keystone] button on the remote control.



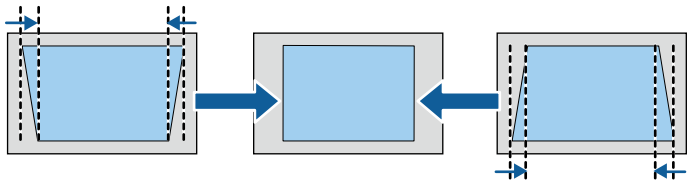
- You cannot combine H/V-Keystone correction with other image shape correction methods.
- You can correct horizontal keystone distortion up to 40º right or left.
- You can correct vertical keystone distortion up to 45º up or down.

1. Turn on the projector and display an image.
2. Press the [Keystone] button on the remote control, select **H/V-Keystone**, and then press [Enter].

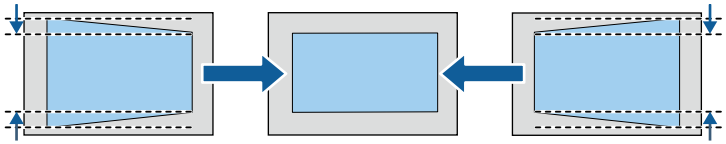


You see the **H/V-Keystone** adjustment screen:

3. Use the arrow buttons on the remote control to select between vertical and horizontal keystone correction and to adjust the image shape as necessary.
   - **V-Keystone**



- **H-Keystone**



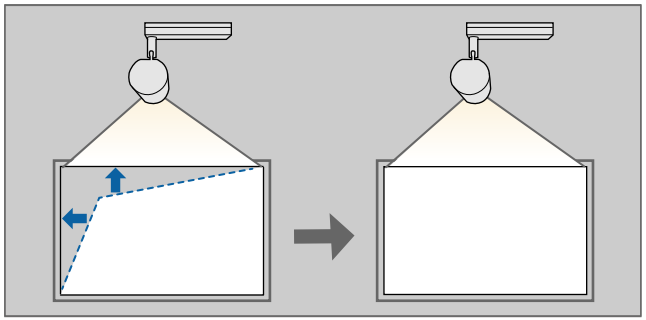
4 When you are finished, press [Esc].

After correction, your image is slightly smaller.

Related Links
- "Projector Feature Settings - Settings Menu" p.124

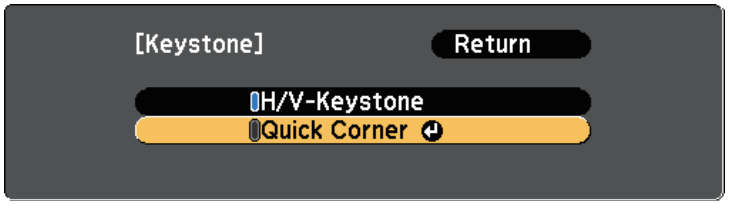
Correcting the Image Shape with Quick Corner

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



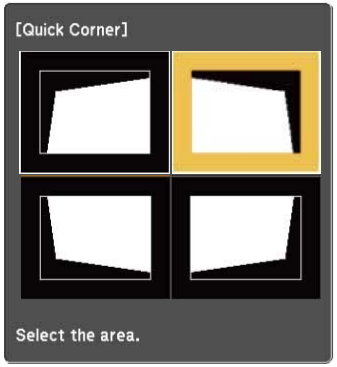
1 Turn on the projector and display an image.

2 Press the [Keystone] button on the remote control, select **Quick Corner**, and press [Enter]. Then press [Enter] again if necessary.



You see the area selection screen.

3 Use the arrow buttons to select the corner of the image you want to adjust. Then press [Enter].

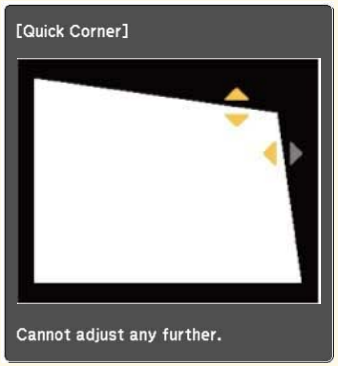


To reset the Quick Corner corrections, hold down [Esc] for about two seconds while the area selection screen is displayed, and then select **Yes**.

4 Press the arrow buttons to adjust the image shape as necessary.

To return to the area selection screen, press [Enter].

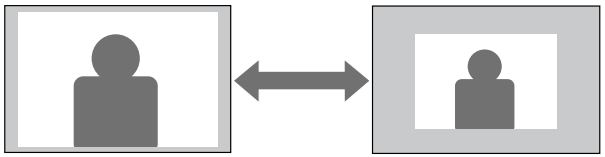
If you see this screen, you cannot adjust the shape any further in the direction indicated by the gray triangle.



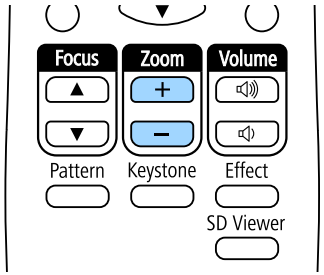
5 Repeat steps 3 and 4 as needed to adjust any remaining corners.

6 When you are finished, press [Esc].

You can resize the image using the remote control.



1. Turn on the projector and display an image.
2. Press the [Zoom] button on the remote control to adjust the zoom.



- When minimizing the size of the image using the optical zoom, a message is displayed and the projector switches to digital zoom.
- When maximizing the size of the image using the digital zoom, a message is displayed and the projector switches to optical zoom.

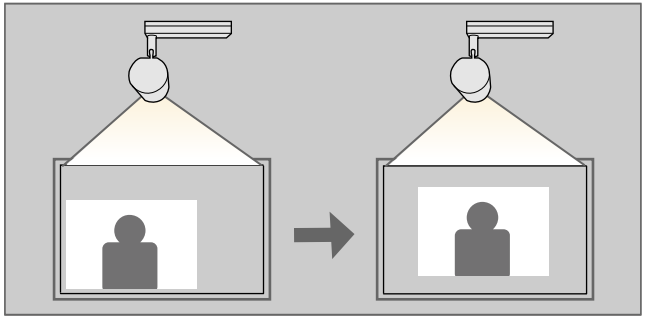
3. When you are finished, press [Esc].

Related Links

• "Adjusting the Image Position" p.46

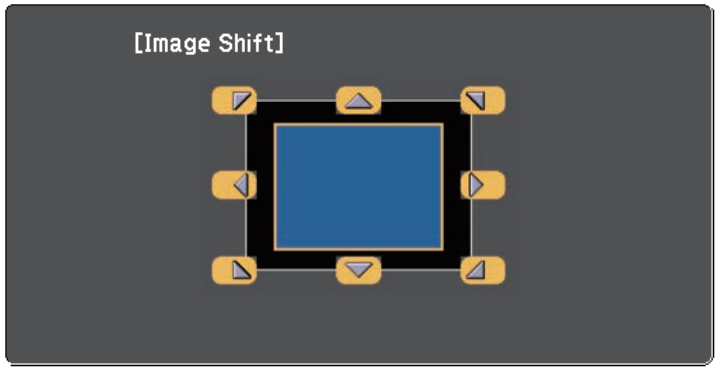
You can use the **Image Shift** feature to adjust the image position without moving the projector.

- This feature is not available if the digital zoom is set to the widest setting.



1. Turn on the projector and display an image.
2. Adjust the image size using the [Zoom] buttons on the remote control.

   When the projector uses optical zoom, you need to switch to digital zoom by reducing the size of the image until a message is displayed.
3. Press [Enter] to display the Image Shift screen.
4. Use the arrow buttons to adjust the image position.



You can shift the image diagonally by pressing any pair of adjacent arrow buttons on the remote control.

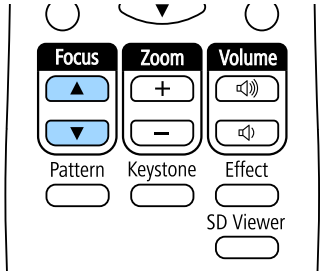
5. Press the [Esc] button to close the adjustment screen.

   The adjustment screen disappears if no operation is performed after approximately 10 seconds.

- The Image Shift setting is retained even if the projector is turned off. You need to re-adjust the position if you change the installation location or angle of the projector.

You can correct the focus using the [Focus] button on the remote control.

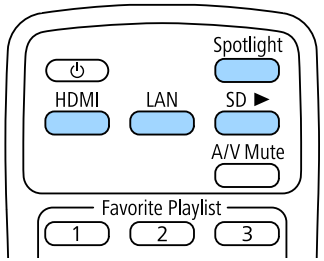
1. Press the [Focus] buttons on the remote control to adjust the focus.



2. Press the [Esc] button to finish the adjustment.

When multiple image sources are connected to the projector, such as a computer and DVD 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 DVD or other video media and press play.
3. Press the button for the source you want on the remote control.



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.

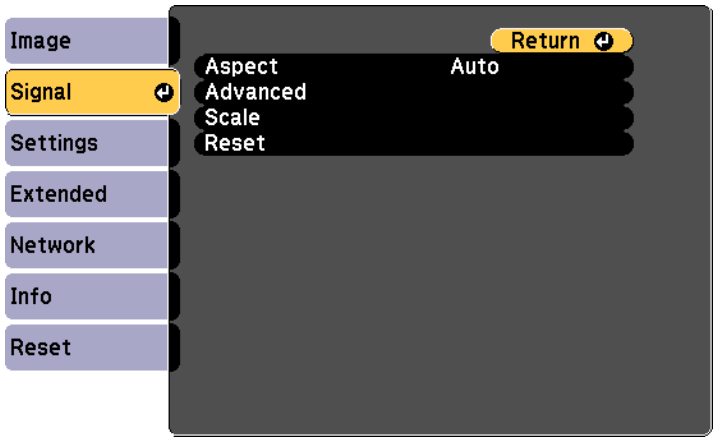
If you always want to use a particular aspect ratio for a certain video input source, you can select it using the projector's **Signal** menu.

Related Links
- "Changing the Image Aspect Ratio" p.49
- "Available Image Aspect Ratios" p.49
- "Projected Image Appearance with Each Aspect Mode" p.50
- "Input Signal Settings - Signal Menu" p.123

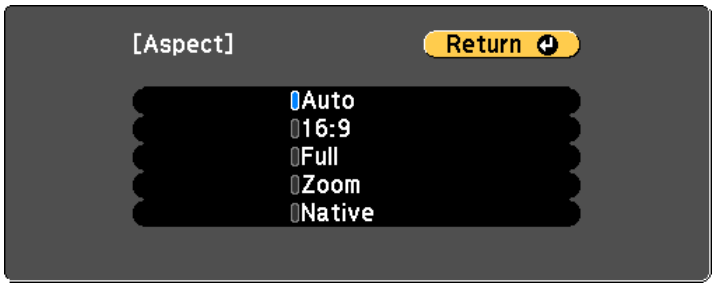
Changing the Image Aspect Ratio

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 [Menu] button on the remote control.
3. Select the **Signal** menu and press [Enter].



4. Select **Aspect** and press [Enter].
5. Select one of the available aspect ratios for your input signal and press [Enter].



6. Press [Menu] or [Esc] to exit the menus.

Available Image Aspect Ratios

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

- The aspect ratio setting is available only for HDMI image sources.
- The available aspect ratio setting varies depending on the input signal.
- 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
Auto	Automatically sets the aspect ratio according to the input signal and the **Resolution** setting.
16:9	Converts the aspect ratio of the image to 16:9.

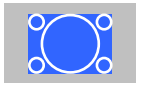
Aspect mode	Description
Full	Displays images using the full size of the projection area, but does not maintain the aspect ratio.
Zoom	Displays images using the full width of the projection area and maintains the aspect ratio of the image.
Native	Displays images as is (aspect ratio and resolution are maintained).

Projected Image Appearance with Each Aspect Mode

Black bands and cropped images may project in certain aspect ratios, depending on the aspect ratio and resolution of your input signal. See the following table to confirm the position of black bands and cropped images.

The image for **Native** varies depending on the input signal.

Aspect mode	Aspect ratio for input signals		
	16:10	16:9	4:3
Auto			
16:9			
Full			
Zoom			

Aspect mode	Aspect ratio for input signals		
	16:10	16:9	4:3
Native			

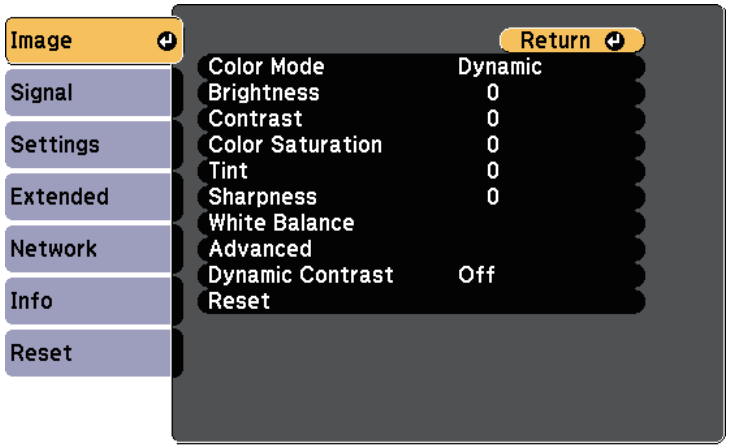
The projector offers different color modes to provide optimum brightness, contrast, and color for a variety of viewing environments and image types. You can select the mode designed to match your image and environment, or experiment with the available modes.

Related Links
- "Changing the Color Mode" p.51
- "Available Color Modes" p.51
- "Turning On Automatic Luminance Adjustment" p.51
- "Adjusting the Gamma" p.52

Changing the Color Mode

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

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



4. Select **Color Mode** and press [Enter].
5. Select the color mode you want to use from the list and press [Enter].
6. Press [Menu] or [Esc] to exit the menus.

Related Links
- "Image Quality Settings - Image Menu" p.122

Available Color Modes

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

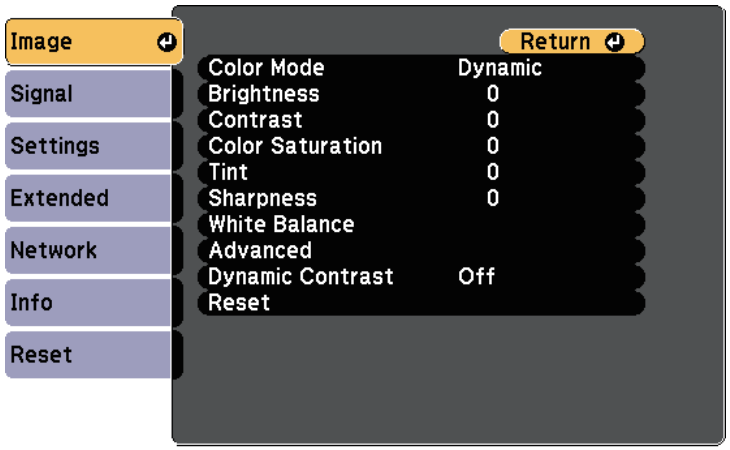
Color mode	Description
Dynamic	This is the brightest mode. Best for prioritizing brightness.
Normal	This tones down the brightness of the image more than **Dynamic**, and provides images with natural colors.

Turning On Automatic Luminance Adjustment

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 switch to the image source you want to use.
2. Press the [Menu] button on the control panel or remote control.

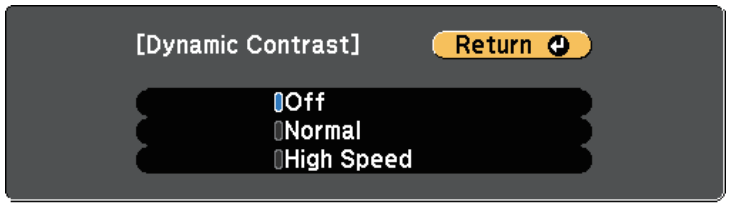
3 Select the **Image** menu and press [Enter].



4 Select **Dynamic Contrast** and press [Enter].

5 Choose one of the following options and press [Enter]:

- **Normal** for standard brightness adjustment.
- **High Speed** to adjust brightness as soon as the scene changes.



6 Press [Menu] or [Esc] to exit the menus.

Related Links

- "Image Quality Settings - Image Menu" p.122

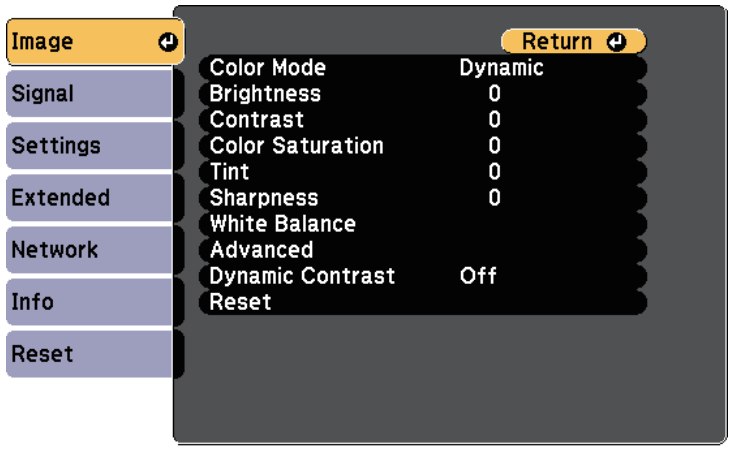
Adjusting the Gamma

You can correct differences in projected image colors that occur between different image sources by adjusting the Gamma setting.

1 Turn on the projector and switch to the image source you want to use.

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

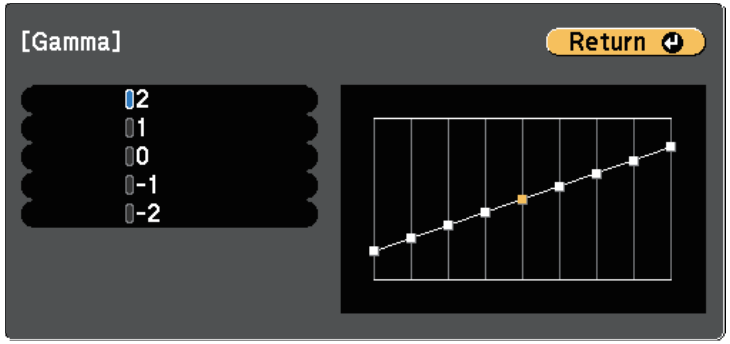
3 Select the **Image** menu and press [Enter].



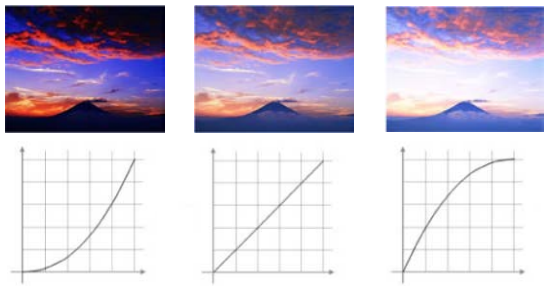
4 Select **Advanced** and press [Enter].

5 Select **Gamma** and press [Enter].

6 Select and adjust the correction value.



When you select a smaller value, you can reduce the overall brightness of the image to make the image sharper. When you select a larger value, the dark areas of images become brighter, but the color saturation for lighter areas may become weaker.



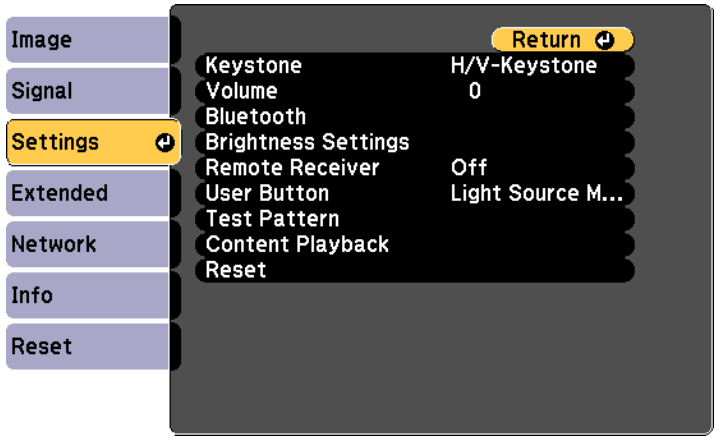
7 Press [Menu] or [Esc] to exit the menus.

Related Links

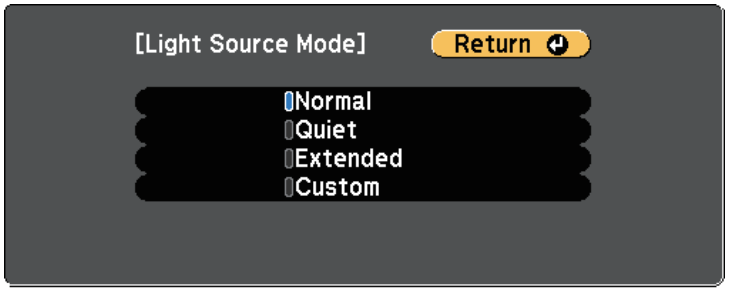
- "Image Quality Settings - Image Menu" p.122

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

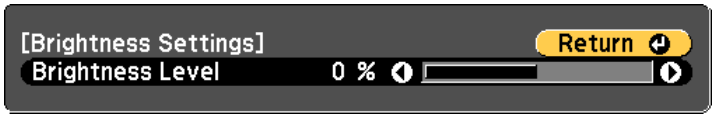
1. Turn on the projector and switch to the image source you want to use.
2. Press the [Menu] button on the remote control.
3. Select the **Settings** menu and press [Enter].



4. Select **Brightness Settings** and press [Enter].
5. Select **Light Source Mode** and press [Enter].
6. Select one of the following options:
   - **Normal** lets you set the brightness to the maximum level. This makes the light source operation time approximately 20,000 hours.
   - **Quiet** lets you set the brightness to 50% and reduces fan noise. This makes the light source operation time approximately 20,000 hours.
   - **Extended** lets you set the brightness to 50% and extends the life expectancy of the light source. This makes the light source operation time approximately 30,000 hours.
   - **Custom** lets you to select a custom brightness level between 50 to 100%.



7. If you set the **Light Source Mode** setting to **Custom**, select **Brightness Level** and use the left and right arrow buttons to select the brightness.



8. Press [Menu] or [Esc] to exit the menus.

For the best results in maintaining a constant brightness, set the **Light Source Calibration** setting to **Run Periodically** in the projector's **Reset** menu.

Related Links

- "Light Source Operation Time" p.55
- "Projector Specifications" p.166

Light Source Operation Time

The light source operation time varies depending on the **Brightness Level** setting.

- The light source operation time varies depending on the environmental conditions and usage.
- The hours listed here are an approximate and are not guaranteed.
- You may need to replace internal parts sooner than the estimated light source operation time.

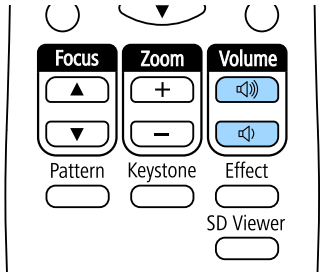
Brightness Level and light source operation time

Brightness Level setting	Time before the brightness of the light source is reduced by half (approximate)
100%	20,000 hours
90%	22,000 hours
80%	24,000 hours
70%	26,000 hours
60%	28,000 hours
50%	30,000 hours

You can adjust the volume of the audio output from the external speaker connected to the Audio Out port.

You can also control the volume for Bluetooth audio devices connected to the projector.

1. Turn on the projector and start a presentation.
2. To lower or raise the volume, press the [Volume] buttons on the remote control as shown.



A volume gauge appears on the screen.

You can also set the **Volume** setting in the projector's **Settings** menu.

⚠ Caution

Do not start a presentation 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

- "Projector Feature Settings - Settings Menu" p.124

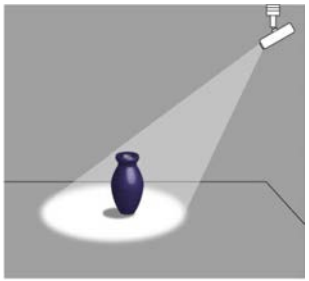
Adjusting Projector Features

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

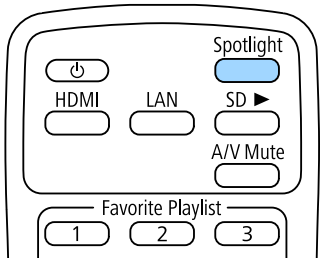
Related Links

- "Using Spotlight Mode" p.58
- "Playing a Playlists" p.59
- "Shutting Off the Image and Sound Temporarily" p.65
- "Saving a User's Logo Image" p.66
- "Using Multiple Projectors" p.67
- "Running Light Source Calibration" p.75
- "Projector Security Features" p.76
- "Using External Sensors" p.79

You can use spotlight mode to project a virtual spotlight. Without moving your projector, you can move and customize the position, size, shape and width of the spotlight.

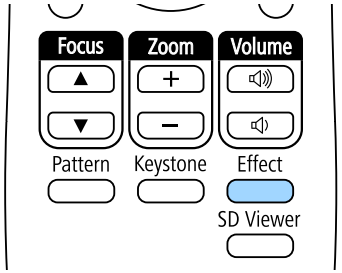


1. Press the [Spotlight] button on the remote control.



The projected image becomes a spotlight.

2. Press the [Effect] button on the remote control to change the overlay effect and shape filter for the spotlight.



Related Links

- "Adding Effects to Your Projected Image" p.63

This projector allows you to project your content as digital signage for exhibitions.

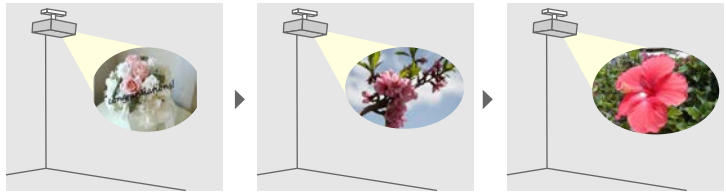
You can easily project playlists that contain images and movies saved on an external storage device. You can also add color and shape effects to your projected image.

Related Links

- "Projecting Your Playlists" p.59
- "Projecting One Image Simultaneously (Synchronized Playback)" p.62
- "Adding Effects to Your Projected Image" p.63

Projecting Your Playlists

You can project playlists that contain images and movies.



1. Create your playlists and export them to an SD card using one of the following methods:

   - The Epson Projector Content Manager software lets you create playlists and save them on an external storage device. You can also add color and shape effects to your projected image, and schedule playlists.

     You can download and install Epson Projector Content Manager from the following Web site.

     epson.sn

     See the *Epson Projector Content Manager Operation Guide* for instructions.

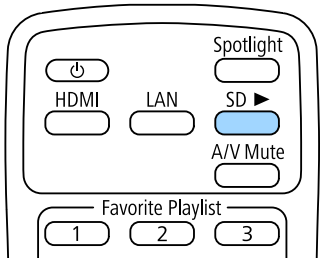
   - Epson Web Control allows you to create playlists using a Web browser and save them to an external storage device connected to a projector on a network. You can also add color and shape effects to your projected image.

   - The Epson Creative Projection app lets you create content on iOS devices. You can also transfer content to the projector wirelessly.

     You can download Epson Creative Projection from the App Store. Any fees incurred when communicating with the App Store are the responsibility of the customer.

2. Insert the SD card into the projector's SD card slot.

3 Press the [SD ►] button on the remote control.



The playlist that was played last is projected. If there is a timetable assigned, the playlist will play back according to the schedule in the timetable.

- You can also press numeric buttons to project your favorite playlist. You can set a remote control shortcut key using the software you used to create the playlists.
- To select the target playlist from the list, press the [SD Viewer] button on the remote control, and then use the arrow buttons.

Related Links

- "Creating Playlists Using Epson Web Control" p.60
- "Getting the Latest Version of the Documents" p.8

Creating Playlists Using Epson Web Control

You can create playlists using a Web browser and save them to an SD card connected to a projector on a network.

Attention

Do not remove the SD card from the projector or disconnect the projector's power cord while creating playlists. Data saved on the SD card may be damaged.

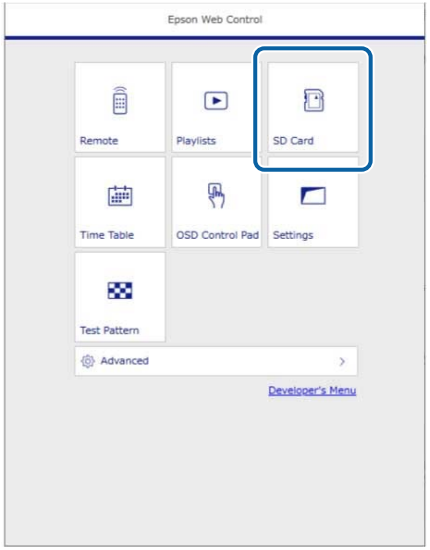
1 Make sure your computer or device is connected to the same network as the projector.

2 Make sure an SD card is inserted into the projector's SD card slot.

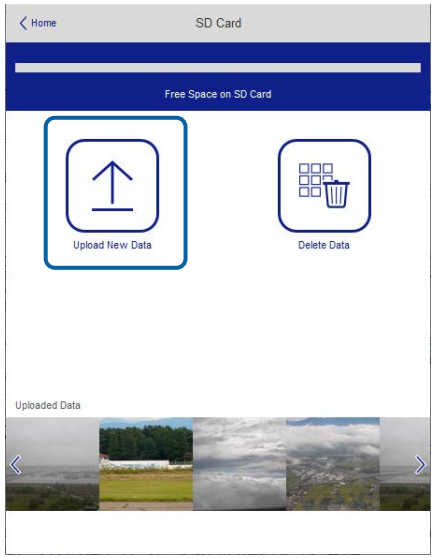
3 Start your Web browser on your computer or device.

4 Go to the Epson Web Control screen by entering the projector's IP address into the browser's address box. When entering an IPv6 address, wrap the address with [and].

5 Select **SD Card**.



6 Select **Upload Data**.



7 Select the images or movies you want to add to the playlist.

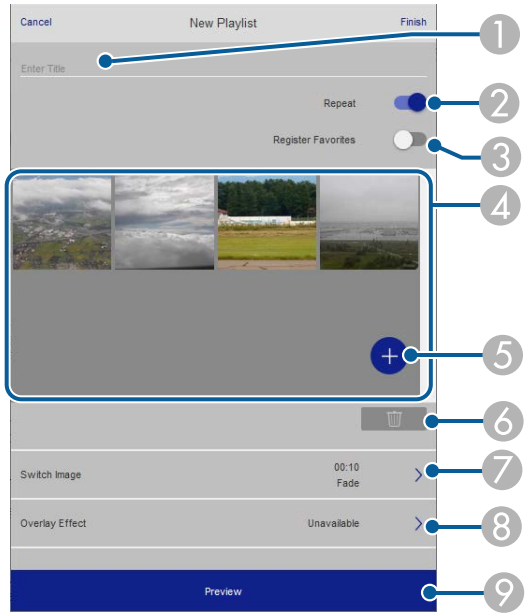
> You can upload .avi, .jpeg (.jpg), .png, .bmp, or .gif files.
> If you want to add .mp4 or .mov files to the playlist, use the Epson Projector Content Manager software or the Epson Creative Projection app.

The selected files are copied to the connected SD card.

8 Do one of the following:

- To add them to the existing playlist, select **Add to Playlist** and select the playlist you want to add them to.
- To create a new playlist and add them to it, select **Create New Playlist**.

9 Edit the playlist.



1. Edits the playlist name.
2. Selects whether to enable repeat playback or not.
3. Registers the playlist to your favorites.
   When a playlist has been registered as a favorite, you can start playback quickly using the **Remote** screen or the remote control.
4. Displays the images or movies you have added to the playlist. The playlist plays the images or movies in order.
5. Adds images or movies to the playlist.
6. Deletes images or movies from the playlist.
7. Opens the **Switch Image** screen.
   You can specify the time interval to switch to the next image file. You can also select a transition effect.

⑧ Opens the **Effects** screen.
You can add predefined color and shape effect filters to a playlist. You can also create a customized effect.

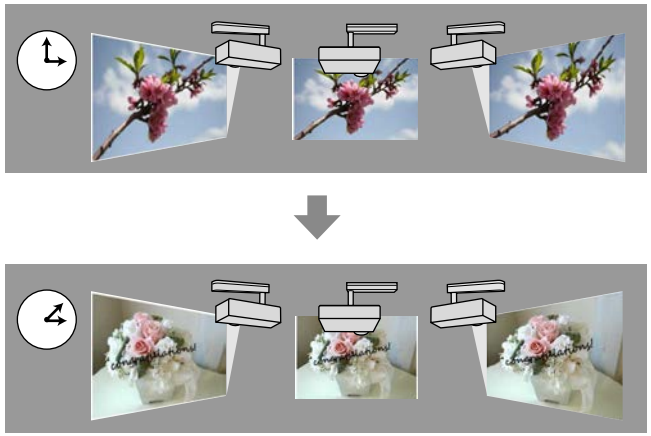
⑨ Previews the playlist.

10 When you have finished editing the playlist, select **Finish**.

- You can play the playlist from the **Remote** or **Playlist** screen.
- When you want to specify when the playlist starts and finishes, schedule the playlist using the Epson Projector Content Manager software.

Projecting One Image Simultaneously (Synchronized Playback)

You can set up a timetable to simultaneously project a synchronized playlist across multiple (up to 16) projectors.



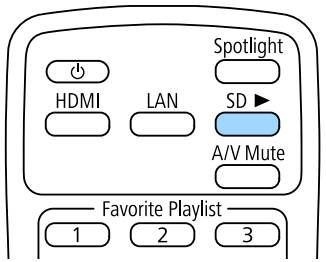
- All projectors that will be involved in synchronized playback must be the same model. If any of the projectors are a different model or have a different resolution, synchronized playback may not be performed properly.
- Make sure the name, date, and time settings are correct for all projectors.
- Connect all projectors to the same network. We recommend connecting over a wired LAN. Otherwise, playback may not be performed simultaneously between projectors depending on the network status.

1 Create playlists, set timetables for each of the playlists, and export them to SD cards using the Epson Projector Content Manager software.

- See the *Epson Projector Content Manager Operation Guide* for instructions.
- You can also create playlists using Epson Creative Projection, Epson iProjection (Android/iOS), or a Web browser.
- Make sure you prepare the same number of SD cards as there are projectors.
- If you want to include still images in the playlists, prepare them in JPEG format.

2 Connect an SD card containing the playlists to each projector's SD card slot.

3 Press the [SD ►] button on the remote control.

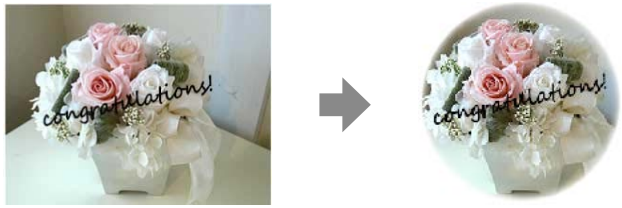


Synchronized playback starts at the time specified in the playlist timetables.

Related Links
- "Wired Network Projection" p.82
- "Network Menu - Basic Menu" p.130
- "Setting the Date and Time" p.36

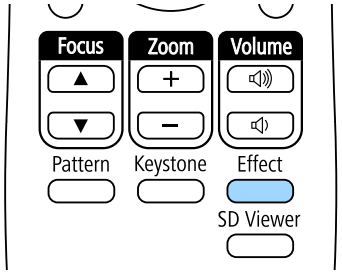
Adding Effects to Your Projected Image

You can add color and shape effects to the projected image.

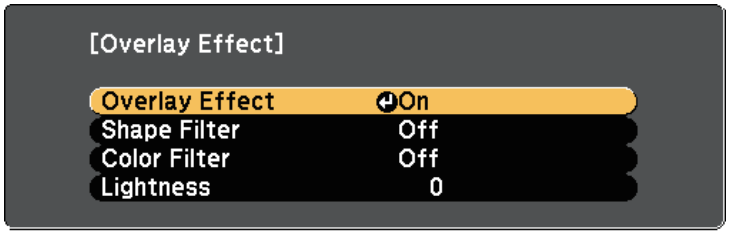


- To use the effect functions, make sure you perform **Refresh Mode** regularly.
  ☛ **Reset** > **Refresh Mode**
- This feature is not available in the following situations:
  - When **Edge Blending** is set to **On**.
    ☛ **Extended** > **Multi-Projection** > **Edge Blending** > **Edge Blending**
  - When the source is an SD player and a non-writable error has occurred.
  - When the source is an SD player and the playlist cannot be played.

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



2 Select **On** as the **Overlay Effect** setting and press [Enter].



3 Select **Shape Filter** and press [Enter].

4 Adjust each of the following options as necessary:

- **Shape** to select the shape effect you want from circles, rectangles, or customized shapes.

  You can add your images as customized shapes using the Epson Projector Content Manager software. See the *Epson Projector Content Manager Operation Guide* for details.

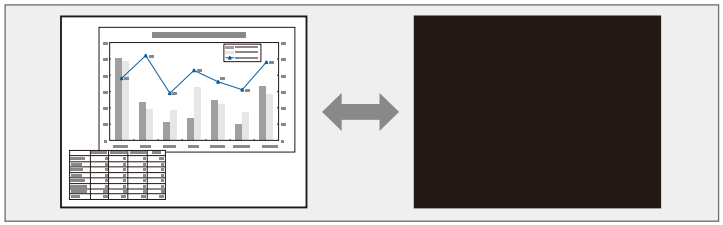
- **Filter Effect** to select whether to mask inside or outside of the selected shape.
- **Size** to set the shape size.
- **Position** to set the shape position.

When you use a customized shape, you cannot change the **Size** and **Position** settings.

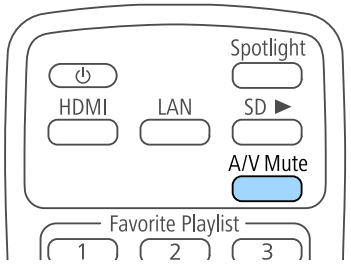
5. Select **Color Filter** and press [Enter].
6. Adjust each of the following options as necessary:
   - **Color Filter** to select the color.
   - **Custom** to set a customized color by adjusting **Red**, **Green**, and **Blue** individually.
7. Select **Lightness** to set the brightness level.
8. When you are finished, press [Menu] to exit the menus.

You can temporarily turn off the projected image and sound.

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



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



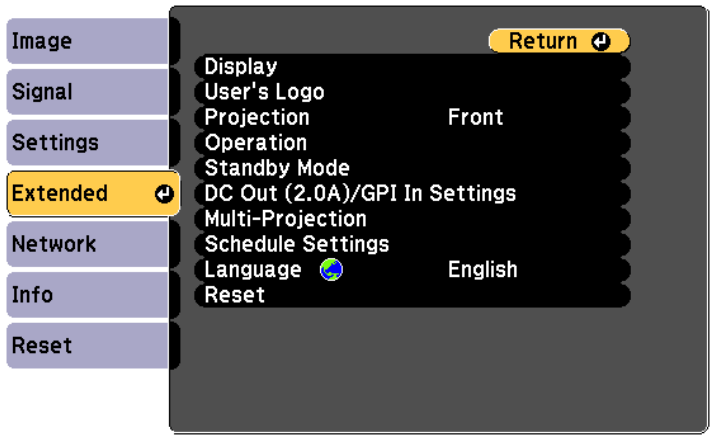
2. To turn the image and sound back on, press [A/V Mute] again.

You can save an image on the projector and display it whenever the projector turns on.

This image is called the user's logo screen. You can select a photo, graphic, or company logo as the user's logo, which is useful in identifying the projector's owner to help deter theft. You can prevent changes to the user's logo by setting up password protection.

- If the **User's Logo Protection** setting is set to **On** in the **Password Protection** setting menu, set to **Off** before saving the user's logo.
- When you copy the menu settings from one projector to another using the batch setup feature, user's logo is also copied. Do not register the information that you do not want to share between multiple projectors as a user's logo.
- You cannot save content that is protected by HDCP.

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



3. Select **User's Logo** > **Start Setting** and press [Enter].

   You see a prompt asking if you want to use the displayed image as a user's logo.

Adjustments such as Keystone, Zoom, Aspect, or Scale are temporarily canceled when you select **User's Logo**.

4. Select **Yes** and press [Enter].
5. Check the displayed image, and then select **Yes** to save it as the user's logo.

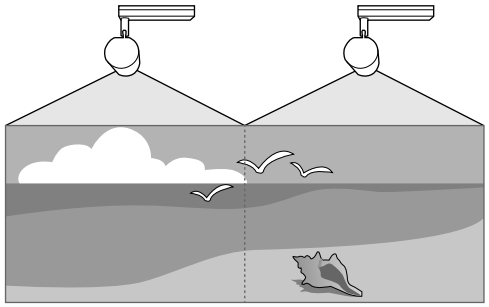
   The user's logo is overwritten and a completion message is displayed.
6. Press [Esc] to exit the message screen.
7. Select the **Extended** menu and press [Enter].
8. Select **Display** and press [Enter].
9. Select **On** as the **Startup Screen** setting if you want to display the User's Logo screen whenever you turn the projector on.

To prevent anyone from changing the User's Logo settings without first entering a password, set the **User's Logo Protection** setting to **On** in the **Password Protection** setting menu and set the password.

Related Links

- "Selecting Password Security Types" p.77

You can combine the projected images from two or more projectors to create one unified image area.



- We recommend adjusting the projection angle and setting the focus and zoom at least 20 minutes after you start projecting, because images are not stable right after turning on the projector.
- If the values for **Keystone** are large, it can be difficult to adjust the image position for overlapping images.
- In some cases the brightness and color tone may not match completely even after correction.
- If brightness and color tone differences become more noticeable over time, repeat the adjustments.

For best results, select settings and adjustments for multiple projector images in this order:

- Setting the Projector ID
- Adjusting Color Uniformity
- Blending the Image Edges
- Matching the Image Colors
- Scaling an Image

Related Links

- "Projector Identification System for Multiple Projector Control" p.67
- "Adjusting Color Uniformity" p.69
- "Blending the Image Edges" p.70
- "Matching the Image Colors" p.71
- "Scaling an Image" p.72

Projector Identification System for Multiple Projector Control

When lining up multiple projectors to project images, you can correct the brightness and color tone of each projector's image so that the images match closely.

You can set a unique projector ID for each projector to operate them individually using a remote control, and then correct the brightness and color for each projector.

Related Links

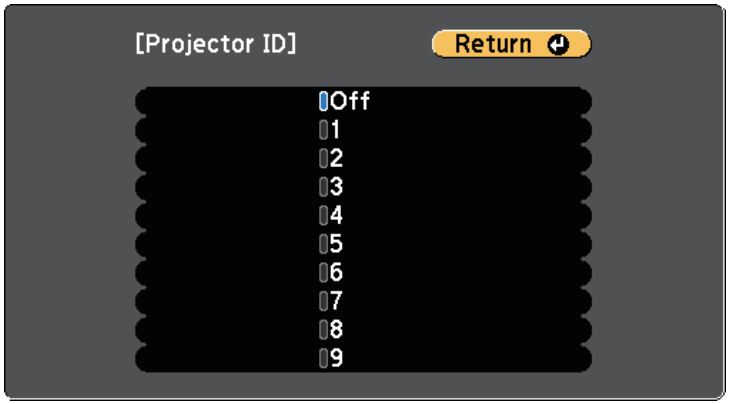
- "Setting the Projector ID" p.67
- "Selecting the Projector You want to Operate" p.68

Setting the Projector ID

To control multiple projectors from a remote control, give each projector a unique ID.

1. Press the [Menu] button, select the **Extended** menu, and press [Enter].
2. Select **Multi-Projection** and press [Enter].
3. Select **Projector ID** and press [Enter].

4 Use the arrow buttons to select the identification number you want to use for the projector. Then press [Enter].



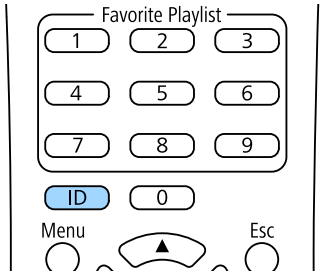
5 Press [Menu] or [Esc] to exit the menus.

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

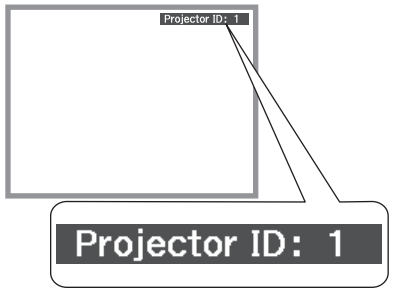
Selecting the Projector You want to Operate

After setting the projector's ID, select the ID for the projector you want to operate using the remote control.

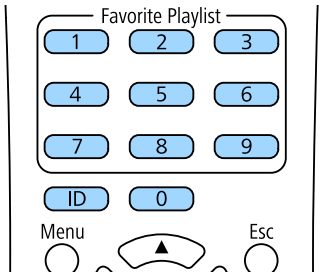
1 Aim the remote control at the target projector and press the [ID] button.



The current Projector ID is displayed on the projected screen. It disappears after about 3 seconds.



2 While holding the [ID] button, press the number button that matches the ID of the projector you want to operate.



The projector you want to operate is selected.

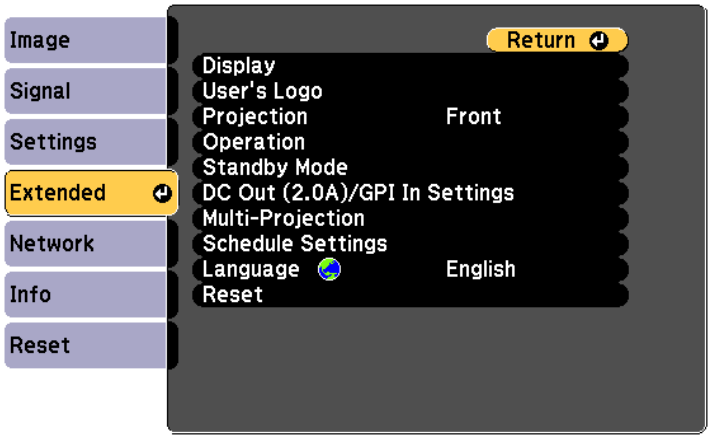
- When you select [0] on the remote control, you can operate all projectors regardless the **Projector ID** setting.
- When you set the **Projector ID** setting to **Off**, you can operate the projector using the remote control whichever ID you select on the remote control.
- The projector ID setting is saved in the remote control. Even if the remote control batteries are removed to replace them, the saved ID setting is retained. However, if the batteries are left out of the remote control for an extended period, the ID returns to its default setting (0).
- When you use multiple remote controls at the same time, you may not be able to operate projectors as intended due to infrared interference.

Adjusting Color Uniformity

If the color tone on the projected screen is uneven in each projector, adjust the color tone balance using each projector's **Extended** menu.

- The color tone may not be uniform even after performing color uniformity.
- When the Color Mode is set to **Dynamic**, this function is disabled. ☛ **Image** > **Color Mode**

1 Press the [Menu] button, select the **Extended** menu, and press [Enter].



2 Select **Multi-Projection** and press [Enter].

3 Select **Color Uniformity** and press [Enter].

4 Select **Color Uniformity** and press [Enter].

5 Select **On** and press [Enter]. Then press [Esc].

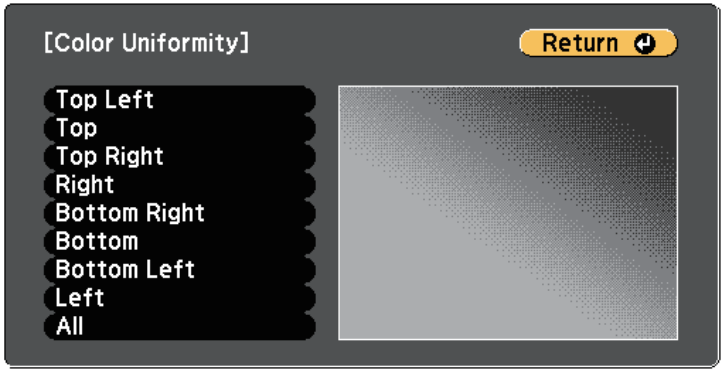
6 Select **Adjustment Level** and press [Enter].

7 Select the level and press [Esc].

There are eight adjustment levels from white through gray, and up to black. You can adjust each level individually.

8 Select **Start Adjustments** and press [Enter].

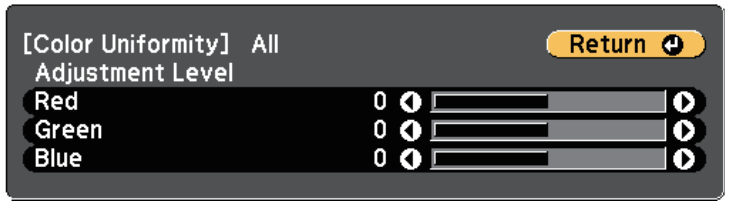
9 Select the area you want to adjust, and press [Enter].



Adjust the circumference first. Finally select **All**, and then adjust the whole screen.

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

The adjustment screen changes each time you press [Enter].



11 Press [Esc] to return to the area selection screen.

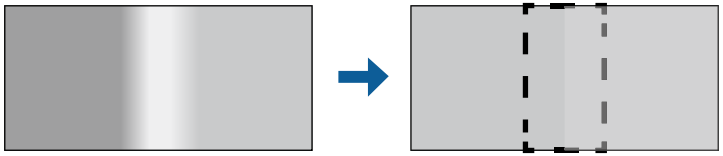
12 Repeat these steps to adjust each area.

13 Return to step 6 and adjust other levels.

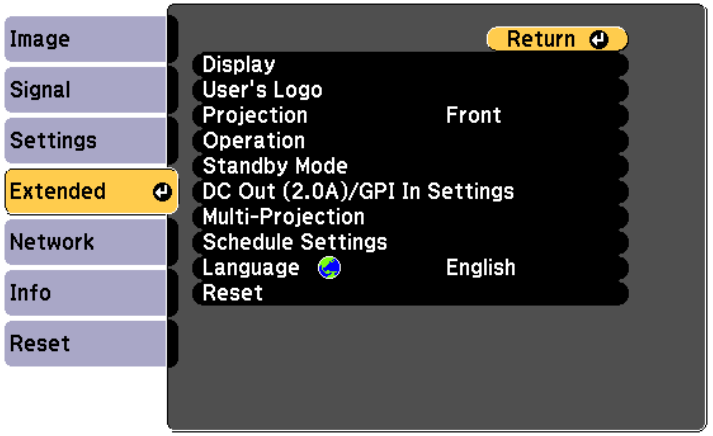
14 Press [Esc] to return to the previous screen.

Blending the Image Edges

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



1 Press the [Menu] button, select the **Extended** menu, and press [Enter].



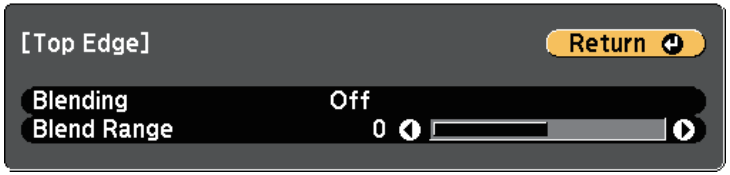
2 Select **Multi-Projection** > **Edge Blending**, and press [Enter].

3 Turn on the **Edge Blending**, **Line Guide**, and **Pattern Guide** settings.

Select the different **Guide Color** setting for each projector so that you can see the blended area clearly.

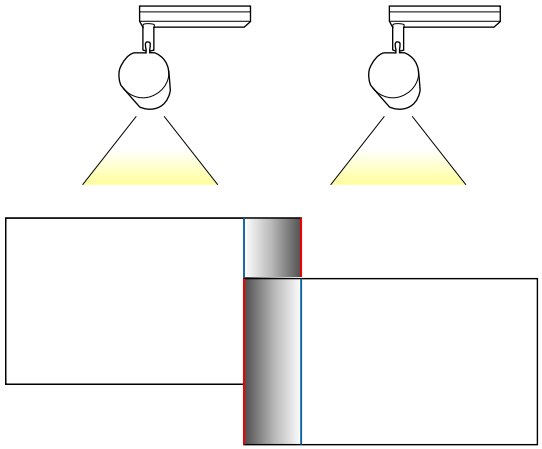
4 Select the edge you want to blend on each projector and press [Enter].

You see a screen like this:



5 Select the **Blending** setting and select **On**.

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



7 Press [Esc] to return to the previous screen.

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

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

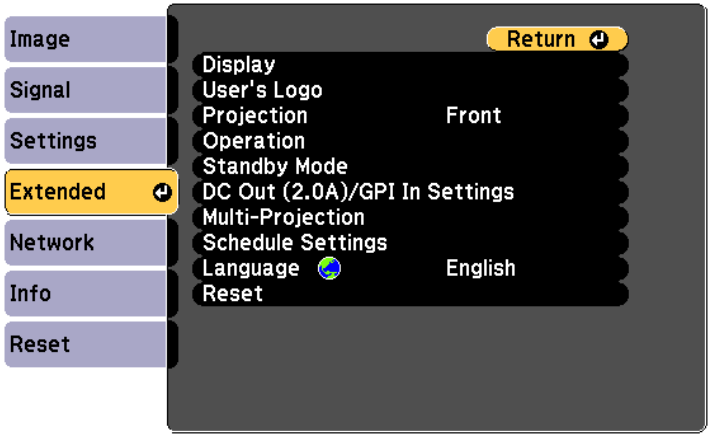
10 When you are finished, press [Menu].

Matching the Image Colors

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

Turn on all the projectors and select the **Color Matching** setting in each projector's **Extended** menu so that all the projectors' display quality match on the combined screen.

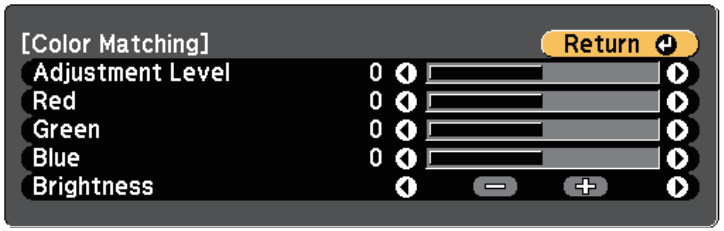
1 Press the [Menu] button, select the **Extended** menu, and press [Enter].



2 Select **Multi-Projection** and press [Enter].

3 Select **Color Matching** and press [Enter].

4 Select **Adjustment Level** to **8**.



5 Select **Brightness** and adjust the value.

6 Select **Red**, **Green**, or **Blue** and adjust the color tone, if necessary.

7 Go back to the top level menu and select the **Settings** menu and press [Enter].

8 Select **Brightness Settings** and press [Enter].

9 Set the **Light Source Mode** to **Custom**.

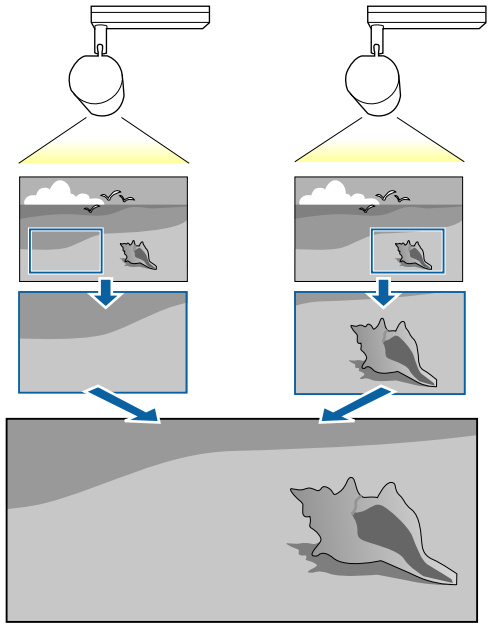
10 Adjust the **Brightness Level**.

11 Repeat steps 1 through 6 multiple times, each time selecting to adjust levels **7** through **2** in the same way.

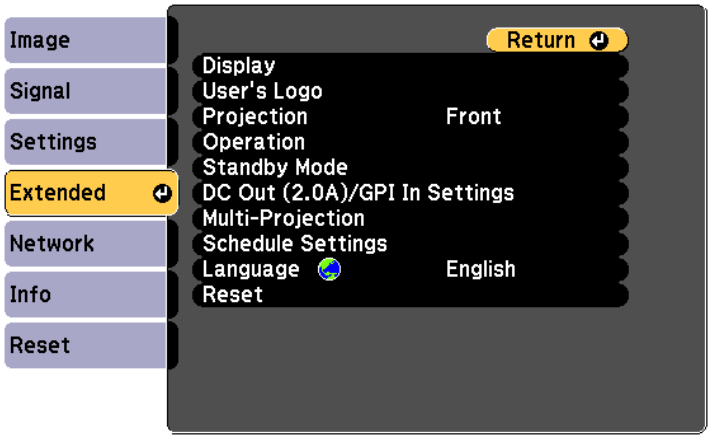
12 When you are finished, press [Menu].

Scaling an Image

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

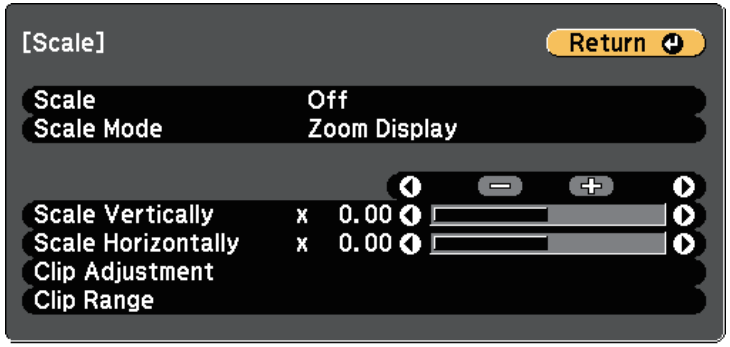


1 Press the [Menu] button, select the **Extended** menu, and press [Enter].



2 Select **Multi-Projection** > **Scale**, and press [Enter].

You see this screen:

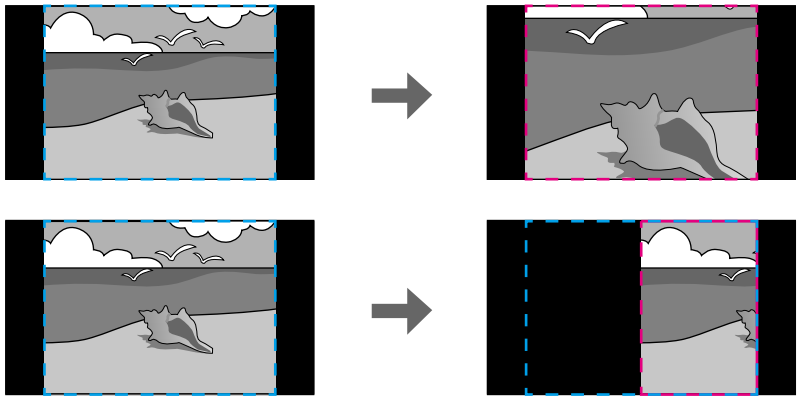


You can also use the **Signal** menu to adjust the **Scale** setting.

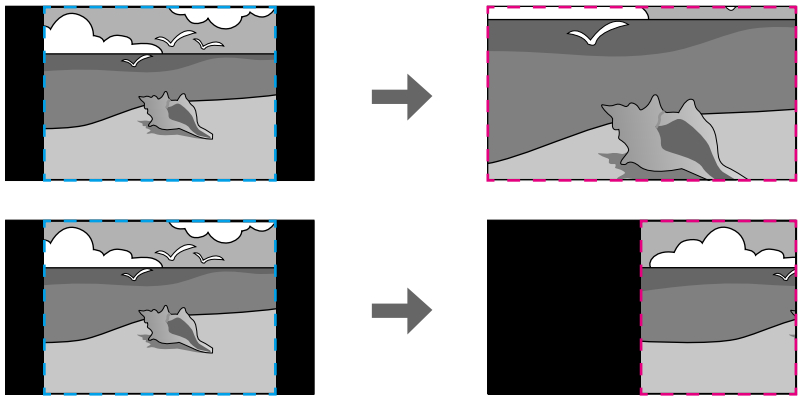
3 Select **On** as the **Scale** setting.

4 Select the **Scale Mode** setting and select one of these options:

- **Zoom Display** to maintain the image aspect ratio as you scale the image.



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



5 Select one or more of the following scaling options and adjust it as necessary:

- - or + to scale the image horizontally and vertically at the same time.

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

6. Select the **Clip Adjustment** setting and use the arrow buttons to adjust the coordinates and size of each image as you view the screen.

7. Select **Clip Range** to preview the clipped area you selected.

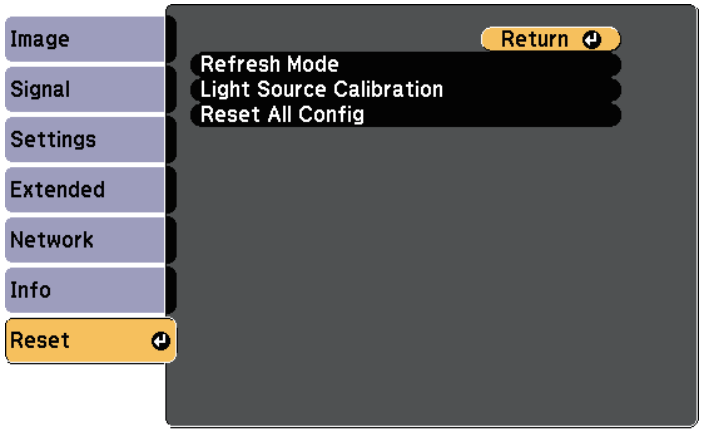
8. When you are finished, press [Menu].

Light source calibration automatically adjusts any difference between the white balance and the brightness level of the light source. You should perform light source calibration every 100 hours of projector usage. You can also schedule automatic calibration or run the light source calibration manually using the menus.

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

- Within 20 minutes of turning on the projector.
- When using direct shutdown.
- When you have used the projector continuously for over 24 hours.
- When the projector brightness is automatically dimmed due to high temperatures.

1 Press the [Menu] button, select the **Reset** menu, and press [Enter].



2 Select **Light Source Calibration** and press [Enter].

3 Select any of the following:

- To run the light source calibration now, select **Run Now**.
- To automatically run the light source calibration every 100 hours of projector usage, select **Run Periodically**.
- To schedule automatic calibration, select **Schedule Settings**.
- To check the last time the projector performed a calibration, see **Last Run**.

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

4 When you are finished, press [Menu] to exit the menus.

Related Links

- "Turning On the Projector" p.33
- "Turning Off the Projector" p.35

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

- Password security to prevent people who do not know the password from using the projector, and prevent changes to the startup screen and other settings.
  This acts as an anti-theft function as the projector cannot be used even if it is stolen, and you can limit who can use the projector.

Related Links

- "Password Security Types" p.76
- "Setting a Password" p.76
- "Selecting Password Security Types" p.77
- "Entering a Password to Use the Projector" p.78

Password Security Types

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

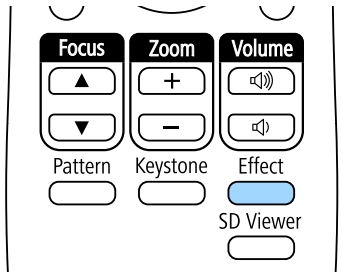
- **Power On Protection** prevents anyone from using the projector without first entering a password. When plugging the power cord and turning on the projector at first time, you must enter the correct password. This also applies to **Direct Power On** and **Auto Power On**.
- **User's Logo Protection** prevents anyone from changing the custom screen displayed when the projector turns on. The custom screen discourages theft by identifying the projector's owner.
- **Network Protection** prevents anyone from changing the projector's **Network** settings.
- **Schedule Protection** prevents anyone from changing the projector's schedule settings.

Setting a Password

To use password security, you must set a password.

The default password is set to "0000". Change this to your own password.

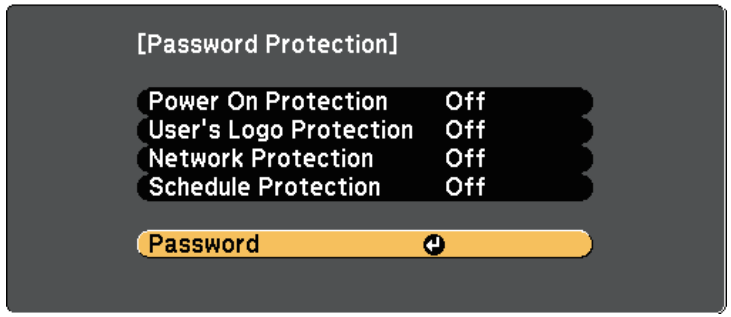
1. Hold down the [Effect] button on the remote control for about 5 seconds.



You see the Password Protection setting menu.

If Password Protection is already activated, you must enter the correct password to display the Password Protection setting menu.

2. Select **Password** and press [Enter].

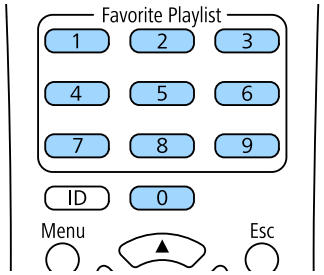


You see the prompt "Change the password?".

3 Select **Yes** and press [Enter].

> If you select **No**, the Password Protection setting menu is displayed again.

4 Use the numeric buttons to set a four-digit password.



The password displays as **** as it is entered. A confirmation prompt is displayed when you enter the fourth digit.

5 Enter the password again.

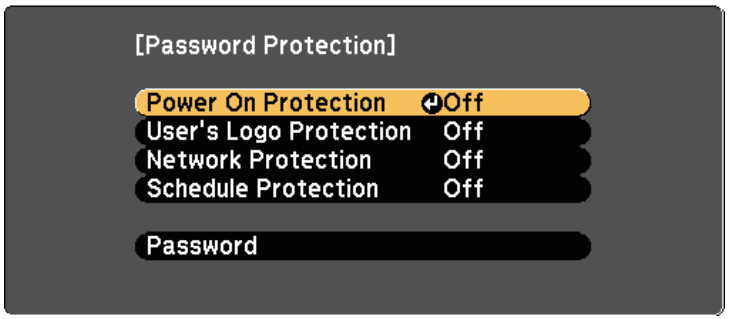
You see the message "Password accepted". If you enter the password incorrectly, a message is displayed prompting you to re-enter the password.

6 Press [Esc] to return to the menu.

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

Selecting Password Security Types

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



If you do not see this menu, hold down the [Effect] button on the remote control for 5 seconds until the menu appears.

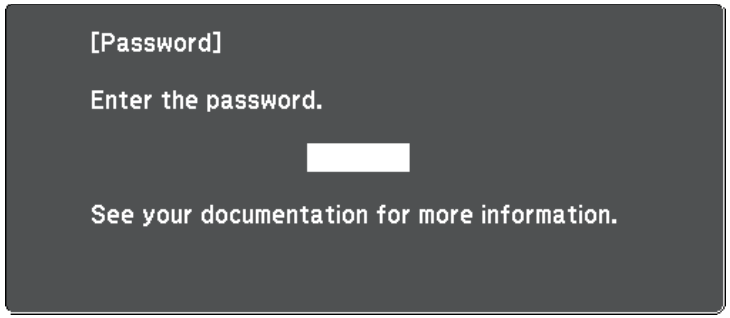
- To prevent unauthorized use of the projector, select **On** as the **Power On Protection** setting.
- To prevent changes to the User's Logo screen or related display settings, select **On** as the **User's Logo Protection** setting.
- To prevent changes to network settings, select **On** as the **Network Protection** setting.
- To prevent changes to the projector's schedule settings, select **On** as the **Schedule Protection** setting.

You can attach the password protect sticker to the projector as an additional theft deterrent.

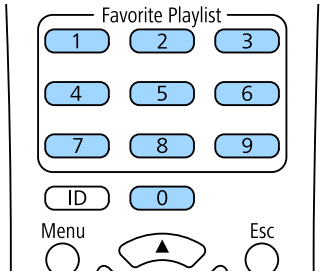
> Be sure to keep the remote control in a safe place; if you lose it, you will not be able to enter the password.

Entering a Password to Use the Projector

When the password screen is displayed, enter the correct password.



1 Enter the password using the numeric buttons.



The password screen closes.

2 If the password is incorrect, you see a message and a prompt to try again. Enter the correct password to proceed.

Attention

- If an incorrect password is entered three times in succession, the message "The projector's operation will be locked." is displayed for approximately 5 minutes, and the projector switches to standby mode. If this happens, disconnect the power plug from the electrical outlet, reinsert it, and turn the projector back on. The projector displays the password entry screen again so that you can enter the correct password.
- If you have forgotten the password, make a note of the "**Request Code**: xxxxx" number that appears on the screen and contact Epson for help.
- If you continue to repeat the above operation and input the wrong password 30 times in succession, the message "The projector's operation will be locked. Contact Epson as described in your documentation." is displayed and the projector does not accept any more password entries. Contact Epson for help.

You can execute operations from external sensors connected to the projector.

Depending on the signals from the sensors, you can execute one of the following projector operations that you have already selected in the projector's menu:

- **Power On/Power Off**
- **Execute A/V Mute/Release A/V Mute**
- **Start Playlist/Stop Playlist**
- **Source Select**
- **Light Source Mode: Normal/Light Source Mode: Quiet**

See the *EV-115/EV-110 External Sensors Setup Guide* for details.

You can download the information from the following Web site.

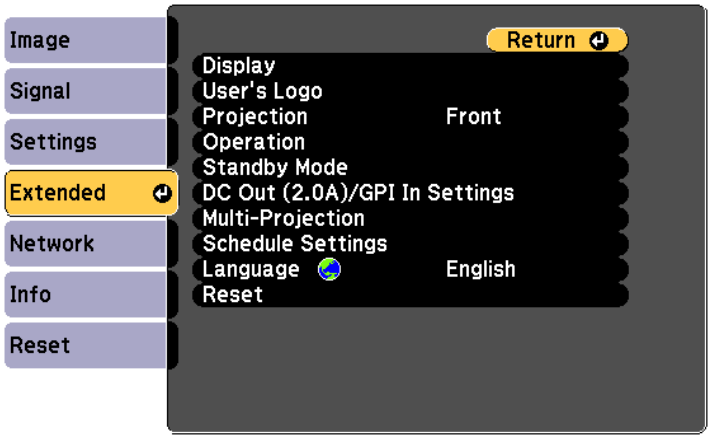
epson.sn

Attention
Incorrect connection could damage the product. Contact a qualified technician to connect the external sensor device.

- Up to two sensors are available at the same time. You can also select settings for a combination of two signals.
- You need to process the sensor cable so that you can connect it to the DC Out (2.0A) / GPI In port. Alternatively, you can use a commercially available connector instead.
- As well as sensors, you can also connect other external devices such as buttons and switches.

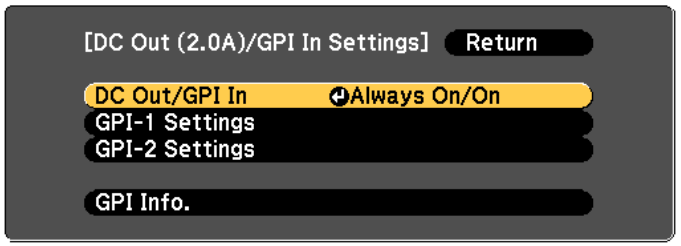
1 Connect external sensors to the DC Out (2.0A) / GPI In port.

2 Press the [Menu] button on the remote control, select the **Extended** menu, and press [Enter].



3 Select **DC Out (2.0A)/GPI In Settings** and press [Enter].

4 Select **Always On/On** as the **DC Out/GPI In** setting.

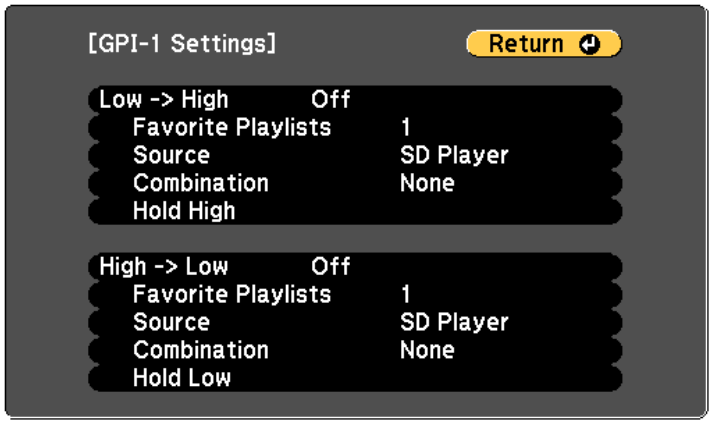


5 Select **GPI-1 Settings**.

6 Select the **Low -> High** setting, and then select one of the following operations to be executed when the sensor signal exceeds a certain voltage:

- **Power On/Power Off** to turn the projector on or off.

- **Execute A/V Mute/Release A/V Mute** to enable or disable A/V Mute.
- **Start Playlist/Stop Playlist** to start or stop playing your playlist from Favorite Playlists. You also need to select the target playlist in the **Favorite Playlists** setting.
- **Source Select** to switch the image source. You also need to select the target source in the **Source** setting.
- **Light Source Mode: Normal/Light Source Mode: Quiet** to switch the **Light Source Mode** setting.



7 Select the **Combination** setting, and then select one of the following options:

- **None** to always start the operation set in **GPI-1 Settings** regardless of the GPI-2 signal.
- **GPI-2 Low** to start the operation set in **GPI-1 Settings** when the GPI-2 signal falls below a certain voltage.
- **GPI-2 High** to start the operation set in **GPI-1 Settings** when the GPI-2 signal exceeds a certain voltage.

You can check the current value for the GPI-1 and GPI-2 signals in the **GPI Info.** menu from **DC Out (2.0A)/GPI In Settings**.

8 Select the **High -> Low** setting, if necessary.

9 If you need to add a certain amount of time until the selected operation is executed, select **Hold High** or **Hold Low**.

When the sensor signal is maintained continuously for the set time, the operation is executed.

You can select from 0 seconds to 30 minutes for the **Hold High** and **Hold Low** settings.

10 Press [Esc] to return to the previous screen, and then select the **GPI-2 Settings** option if necessary.

11 When you are finished, press [Menu] to exit the menus.

Related Links

- "Connecting to External Sensor Devices" p.28

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 Projection" p.82
- "Wireless Network Projection" p.85
- "Secure HTTP" p.92

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

After connecting and setting up the projector as described here, download and install Epson iProjection (Windows/Mac) from the following Web site.

epson.sn

Epson iProjection software sets up your computer for network projection. See the *Epson iProjection Operation Guide (Windows/Mac)* for instructions.

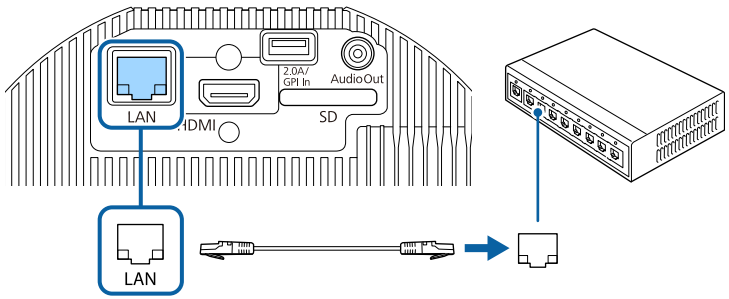
Related Links

- "Connecting to a Wired Network" p.82
- "Selecting Wired Network Settings" p.82

Connecting to a Wired Network

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

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

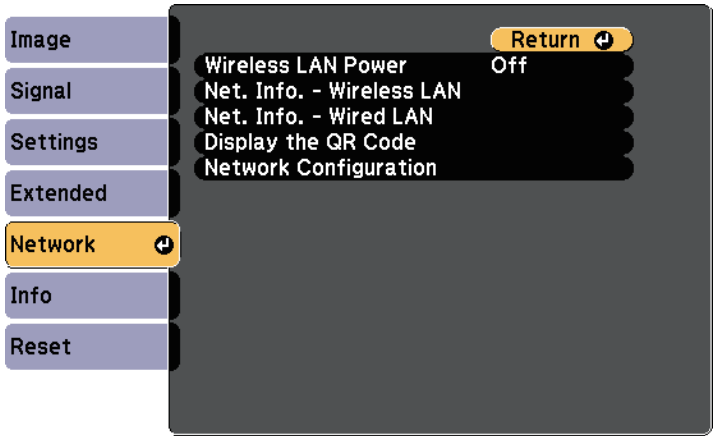


Selecting Wired Network Settings

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

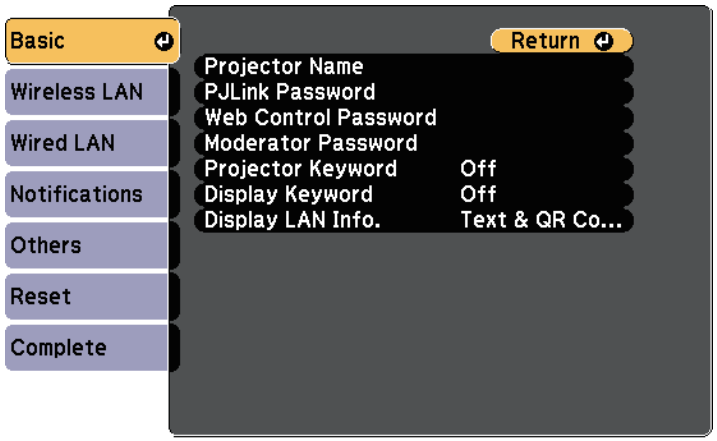
Make sure you already connected the projector to your wired network using the LAN port.

1. Press the [Menu] button, select the **Network** menu, and press [Enter].



2. Select **Network Configuration** and press [Enter].

3 Select the **Basic** menu and press [Enter].

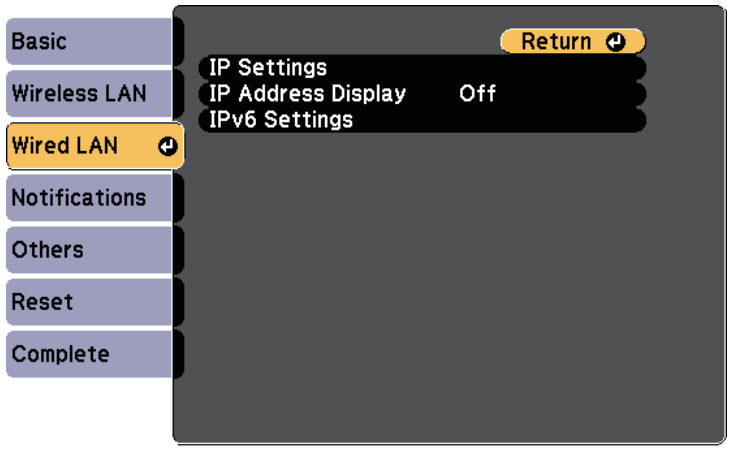


4 Select the basic options as necessary.

- **Projector Name** lets you enter a name up to 16 alphanumeric characters long to identify the projector over the network.
- **PJLink Password** lets you enter a password up to 32 alphanumeric characters long for using the PJLink protocol for projector control.
- **Web Control Password** lets you enter a password up to 8 alphanumeric characters long for accessing the projector over the Web. (User name is **EPSONWEB**; default password is **admin**.)
- **Moderator Password** lets you enter a four-digit number password for accessing the projector as a moderator using Epson iProjection. (No password is set by default.)
- **Projector Keyword** lets you turn on a security password to prevent access to the projector by anyone not in the room with it. You must enter a displayed, randomized keyword from a computer using Epson iProjection to access the projector and share the current screen.
- **Display Keyword** lets you select whether to display a projector keyword on the projected image when accessing the projector using Epson iProjection.
- **Display LAN Info.** lets you set the display format for the projector's network information.

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.

5 Select the **Wired LAN** menu and press [Enter].



6 Assign the IP settings for your network as necessary.

- If your network assigns addresses automatically, select **IP Settings** to set the **DHCP** setting to **On**.
- If you must set addresses manually, select **IP Settings** to set the **DHCP** setting to **Off**, and then enter the projector's **IP Address**, **Subnet Mask**, and **Gateway Address** as necessary.
- If you want to connect the projector to the network using IPv6, select **IPv6 Settings** to set the **IPv6** setting to **On**, and then set the **Auto Configuration** and **Use Temporary Address** settings as necessary.

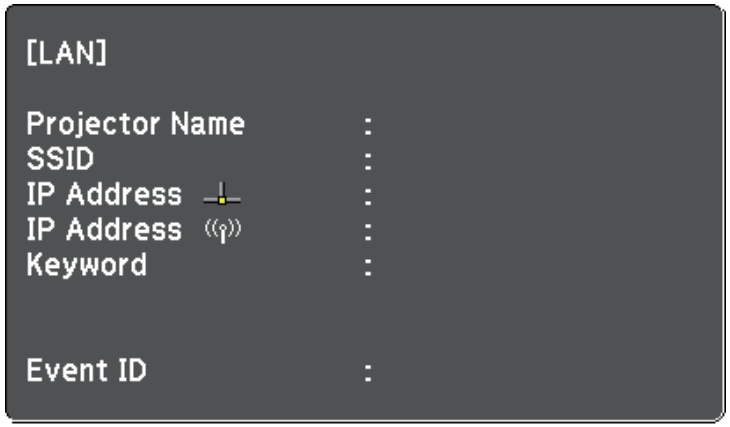
To highlight the numbers you want from the displayed keyboard, press the arrow buttons on the remote control. To select a highlighted number, press [Enter].

7. To prevent the IP address from being displayed on the LAN standby screen, set the **IP Address Display** setting to **Off**.

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

9. Press the [LAN] button on the remote control.

   The wired network settings complete when you see the correct IP address on the LAN standby screen.



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

To do this, you must set up your projector and computer for wireless projection.

You can connect the projector to your wireless network by configuring the connection manually using the projector's **Network** menus.

After setting up the projector, download and install the network software from the following Web site.

epson.sn

Use the following software and documentation to set up and control wireless projection:

- Epson iProjection (Windows/Mac) software allows you to hold interactive meetings by projecting the computer screens of users over a network. See the *Epson iProjection Operation Guide (Windows/Mac)* for instructions.
- Epson iProjection (iOS/Android) app allows you to project from iOS or Android devices.
  You can download Epson iProjection for free from the App Store or Google Play. Any fees incurred when communicating with the App Store or Google Play are the responsibility of the customer.
- Epson iProjection (Chromebook) app allows you to project from Chromebook devices.
  You can download Epson iProjection from the Chrome Web Store. Any fees incurred when communicating with the Chrome Web Store are the responsibility of the customer.

Related Links

- "Safety Instructions for Built-in Wireless LAN Module" p.85
- "Selecting Wireless Network Settings Manually" p.85
- "Selecting Wireless Network Settings in Windows" p.88
- "Selecting Wireless Network Settings in Mac" p.88
- "Setting Up Wireless Network Security" p.88
- "Using a QR Code to Connect a Mobile Device" p.90

Safety Instructions for Built-in Wireless LAN Module

This projector contains built-in wireless LAN modules. 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.
- Electromagnetic interference may cause automatically controlled equipment to malfunction which could cause an accident. Do not use the device near automatically controlled equipment such as automatic doors or fire alarms.

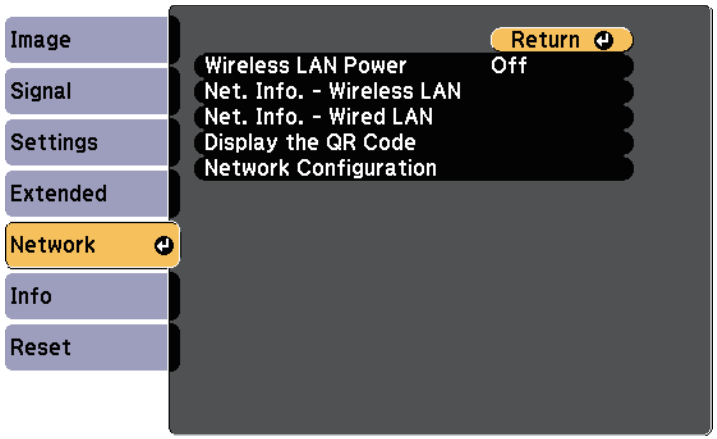
⚠ Caution

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

Selecting Wireless Network Settings Manually

Before you can project from your wireless network, you need to select network settings for the projector.

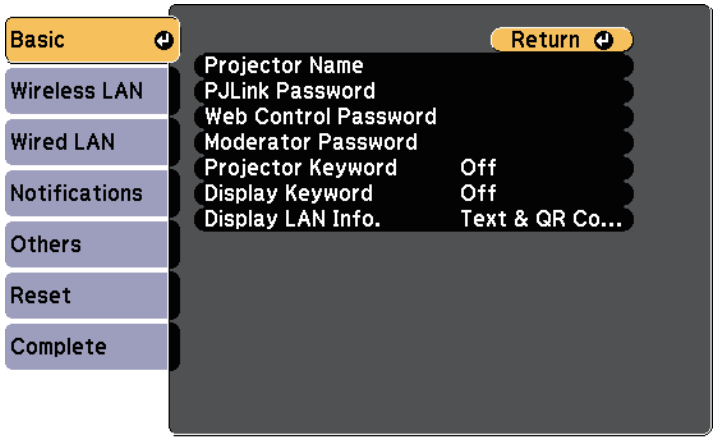
1 Press the [Menu] button, select the **Network** menu, and press [Enter].



2 Select **On** as the **Wireless LAN Power** setting.

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

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

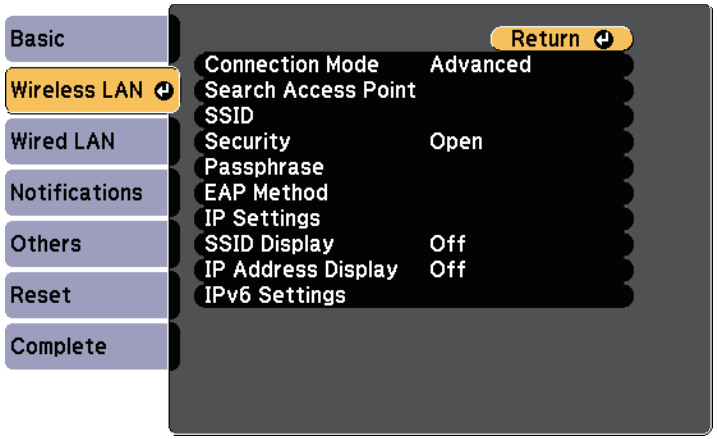


5 Select the basic options as necessary.

- **Projector Name** lets you enter a name up to 16 alphanumeric characters long to identify the projector over the network.
- **PJLink Password** lets you enter a password up to 32 alphanumeric characters long for using the PJLink protocol for projector control.
- **Web Control Password** lets you enter a password up to 8 alphanumeric characters long for accessing the projector over the Web. (User name is **EPSONWEB**; default password is **admin**.)
- **Moderator Password** lets you enter a four-digit number password for accessing the projector as a moderator using Epson iProjection. (No password is set by default.)
- **Projector Keyword** lets you turn on a security password to prevent access to the projector by anyone not in the room with it. You must enter a displayed, randomized keyword from a computer using Epson iProjection to access the projector and share the current screen.
- **Display Keyword** lets you select whether to display a projector keyword on the projected image when accessing the projector using Epson iProjection.
- **Display LAN Info.** lets you set the display format for the projector's network information.

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.

6 Select the **Wireless LAN** menu and press [Enter].



7 Select the **Connection Mode** setting.

- **Quick** lets you connect to multiple smartphones, tablets, or computers directly using wireless communication.
- **Advanced** lets you connect to smartphones, tablets, or computers over a wireless network access point.

When monitoring or controlling the projector using wireless LAN in standby mode, set **Connection Mode** to **Advanced**.

8 If you selected the **Advanced** connection mode, select **Search Access Point** to select the access point you want to connect to.

If you need to assign the SSID manually, select **SSID** to enter the SSID.

9 For the **Advanced** connection mode, assign the IP settings for your network as necessary.

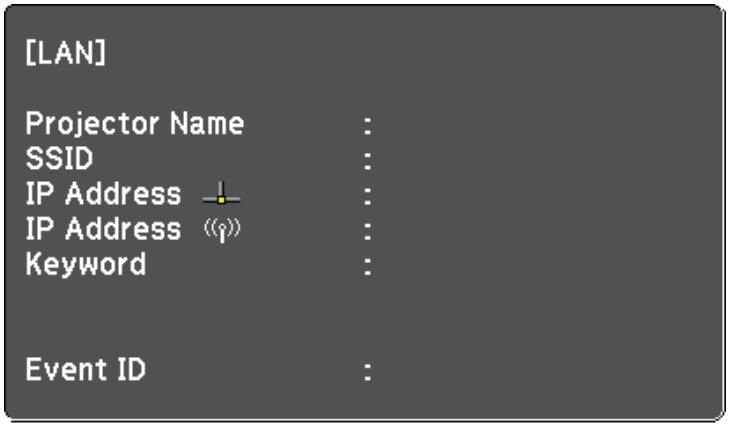
- If your network assigns addresses automatically, select **IP Settings** to set the **DHCP** setting to **On**.
- If you must set addresses manually, select **IP Settings** to set the **DHCP** setting to **Off**, and then enter the projector's **IP Address**, **Subnet Mask**, and **Gateway Address** as necessary.
- If you want to connect the projector to the network using IPv6, select **IPv6 Settings** to set the **IPv6** setting to **On**, and then set the **Auto Configuration** and **Use Temporary Address** settings as necessary.

10 To prevent the SSID or IP address from being displayed on the LAN standby screen, set the **SSID Display** setting or the **IP Address Display** setting to **Off**.

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

12 Press the [LAN] button on the remote control.

The wireless network settings are complete when you see the correct IP address on the LAN standby screen.



When you have finished making wireless settings for your projector, you need to select the wireless network on your computer. Then start the network software to send images to your projector through a wireless network.

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 in Advanced connection mode, 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 in Advanced connection mode, make sure Wi-Fi is turned on and select the network name (SSID) of the network the projector is connecting to.

Setting Up Wireless Network Security

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

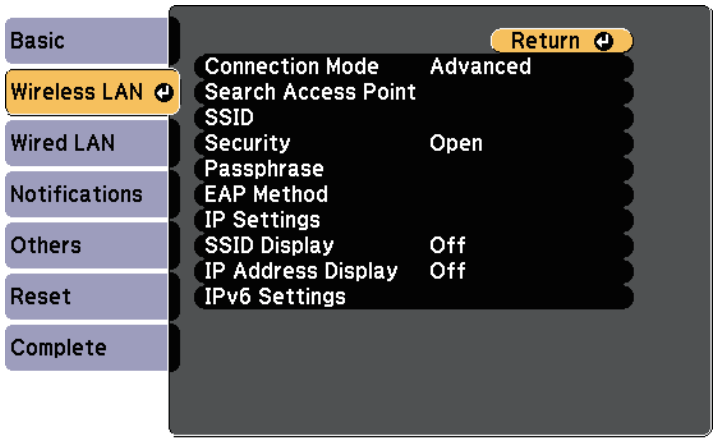
- WPA2-PSK security *
- WPA3-PSK security **
- WPA2/WPA3-PSK security **
- WPA3-EAP security **
- WPA2/WPA3-EAP security **

* Available only for the Quick connection mode.

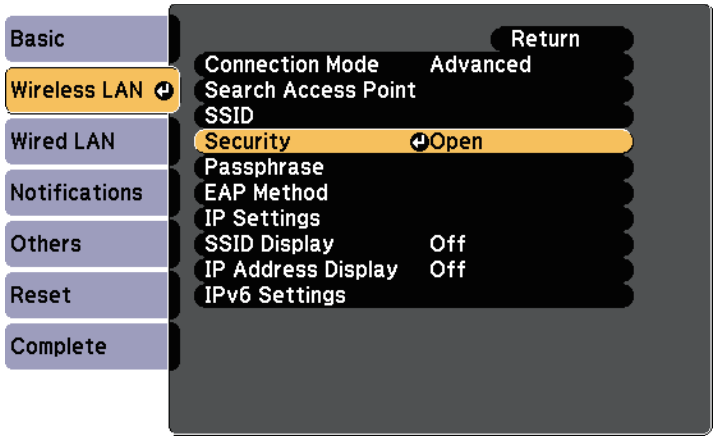
** Available only for the Advanced connection mode.

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

1. If you want to set up the WPA3-EAP or WPA2/WPA3-EAP security, make sure your digital certificate file is compatible with projector registration and placed directly on the SD card.
2. Press the [Menu] button, select the **Network** menu, and press [Enter].
3. Select **Network Configuration** and press [Enter].
4. Select the **Wireless LAN** menu and press [Enter].



5 Select the **Security** setting and press [Enter].

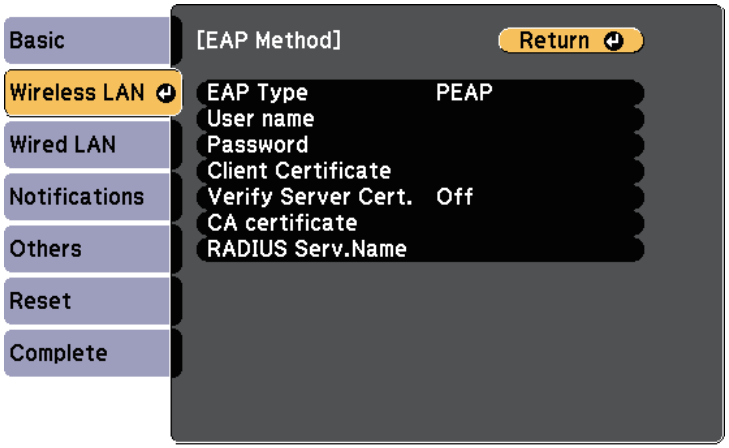


6 Select the security settings to match your network settings.

7 Do one of the following according to the security you selected.

- **WPA2-PSK**, **WPA3-PSK**, or **WPA2/WPA3-PSK**: Select **Complete** and follow the on-screen instructions to save your settings and exit the menus.
- **WPA3-EAP**, **WPA2/WPA3-EAP**: Select **EAP Method** and press [Enter].

8 Select the protocol for authentication as the **EAP Type** setting.



9 To import your certificate, select the certificate type and press [Enter].

- **Client Certificate** for the **PEAP-TLS** or **EAP-TLS** type
- **CA certificate** for all EAP types

You can also register the digital certificates from your Web browser. However, be sure to register just once or the certificate may not install correctly.

10 Select **Register** and press [Enter].

11 Follow the on-screen instructions to insert an SD card into the projector's SD card slot.

12 Press [Enter] to display the certificate list.

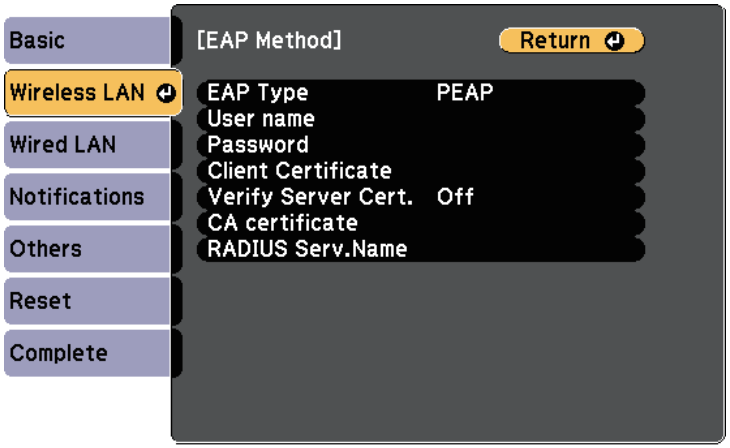
13 Select the certificate to import using the displayed list.

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

14 Enter a password and press [Enter].
The certificate is imported and a completion message appears.

15 Select your EAP settings as necessary.

- **User name** lets you enter a user name using up to 63 alphanumeric characters. To enter more than 32 characters, use your Web browser. When importing a client certificate, the name the certificate was issued to is automatically set.
- **Password** lets you enter a password using up to 63 alphanumeric characters for authentication when using the **PEAP** or **EAP-FAST** type. To enter more than 32 characters, use your Web browser.
- **Verify Server Cert.** lets you select whether or not to verify the server certificate when a CA certificate has been set.
- **RADIUS Serv.Name** lets you enter the server name to be verified.



16 When you have finished making settings, select **Complete** and follow the on-screen instructions to save your settings and exit the menus.

Related Links
- "Supported Client and CA Certificates" p.90
- "Network Menu - Wireless LAN Menu" p.131

Supported Client and CA Certificates

You can register these types of digital certificates.

Client Certificate (PEAP-TLS/EAP-TLS)

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

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

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

* You can set a password using up to 64 alphanumeric characters. However, you need to use your Web browser to enter more than 32 characters.

Using a QR Code to Connect a Mobile Device

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

- Make sure you have installed the latest version of Epson iProjection on your device.
- You can download Epson iProjection for free from the App Store or Google Play. Any fees incurred when communicating with the App Store or Google Play are the responsibility of the customer.
- When using Epson iProjection in Quick connection mode, we recommend making security settings.

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

   The QR code is displayed on the projected surface.

   - If you do not see the QR code, set the **Display LAN Info.** setting to **Text & QR Code** in the projector's **Network** menu. ☛ **Network** > **Network Configuration** > **Basic** > **Display LAN Info.**
   - To hide the QR code, press [Esc].
   - When the QR code is hidden, press [Enter] to display the code.

2. Start Epson iProjection on your mobile device.

3. Read the projected QR code using Epson iProjection to connect it to the projector.

   To correctly read the QR code, make sure you face the screen squarely and closely enough so that the projected code fits into the guide of the mobile device's QR code reader. If you are too far from the screen, the code may not be read.

   When a connection is established, select **Contents** menu from ☰, and then select the file you want to project.

You can use the HTTPS protocol to increase security between the projector and a Web browser communicating with it. To do this, you create a server certificate, install it on the projector, and turn on the **Secure HTTP** setting in the projector menus to verify the reliability of the Web browser.

☛ **Network** > **Network Configuration** > **Others** > **Secure HTTP**

Even if you do not install a server certificate, the projector automatically creates a self-signed certificate and allows communication. However, because the self-signed certificate cannot verify reliability from a Web browser, you see a warning about the server's reliability when you access the projector from a Web browser. This warning does not prevent communication.

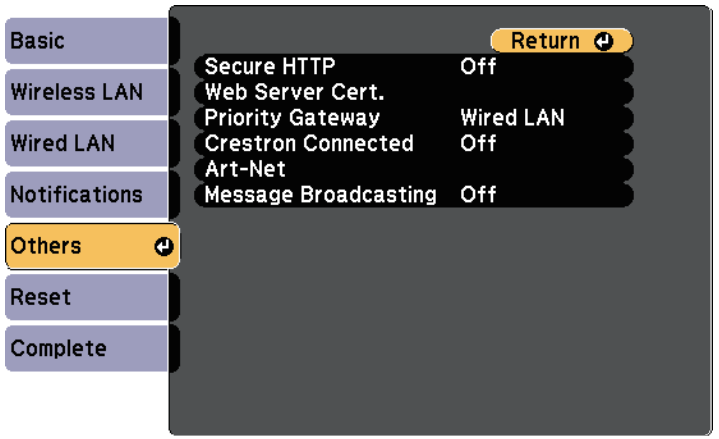
Related Links
- "Importing a Web Server Certificate Using the Menus" p.92

Importing a Web Server Certificate Using the Menus

You can create your Web server certificate and import it using the projector menus and an external storage device.

- You can use an SD card as an external storage device for this model.
- You can also register the digital certificates from your Web browser. However, be sure to register just once or the certificate may not install correctly.

1. Make sure your digital certificate file is compatible with projector registration and directly placed on the SD card.
2. Press the [Menu] button, select the **Network** menu, and press [Enter].
3. Select **Network Configuration** and press [Enter].
4. Select the **Others** menu and press [Enter].



5. Set the **Secure HTTP** setting to **On**.
6. Select **Web Server Cert.** and press [Enter].
7. Select **Register** and press [Enter].
8. Follow the on-screen instructions to insert an SD card into the projector's SD card slot.
9. Press [Enter] to display the certificate list.
10. Select the certificate to import using the displayed list.

    A message is displayed prompting you to enter the password for the certificate.
11. Enter a password and press [Enter].

    The certificate is imported and a completion message appears.

Related Links
- "Supported Web Server Certificates" p.93

Supported Web Server Certificates

You can register these types of digital certificates.

Web Server Certificate (Secure HTTP)

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

* You can set a password using up to 64 alphanumeric characters. However, you need to use your Web browser to enter more than 32 characters.

Monitoring and Controlling the Projector

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

Related Links

- "Epson Projector Management" p.95
- "Controlling a Networked Projector Using a Web Browser" p.96
- "Registering Digital Certificates from a Web Browser" p.103
- "Setting Up Projector Network E-Mail Alerts" p.105
- "Setting Up Monitoring Using SNMP" p.107
- "Using ESC/VP21 Commands" p.108
- "PJLink Support" p.109
- "Crestron Connected Support" p.110
- "Art-Net Channel Definitions" p.112
- "Operating the Projector Using Web API" p.115
- "Setting Projector Event Schedules" p.116

Epson Projector Management software (Windows only) lets you monitor and control your projector through the network. See the *Epson Projector Management Operation Guide* for instructions.

You can download Epson Projector Management from the following Web site.

epson.sn

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.

You can also edit playlists.

- Make sure the computer and projector are connected to the network. When projecting images using a wireless LAN, connect in **Advanced** connection mode.
- You can use the following Web browsers.
  - Internet Explorer 11 or later (Windows)
  - Microsoft Edge (Windows)
  - Safari (Mac, iOS)
  - Chrome (Android)
- 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.
- Under the following conditions, you can use a Web browser to select settings and control projection even if the projector is in standby mode (when the power is off).
  - When the **Standby Mode** setting is set to **Communication On** ☛ **Extended** > **Standby Mode** > **Standby Mode**
  - When connecting to a wireless LAN with the **Connection Mode** setting set to **Advanced** or connecting to a wired LAN ☛ **Network** > **Network Configuration** > **Wireless LAN** > **Connection Mode**
- You can also control the projector using a Web browser through the Epson iProjection (iOS/Android) app.

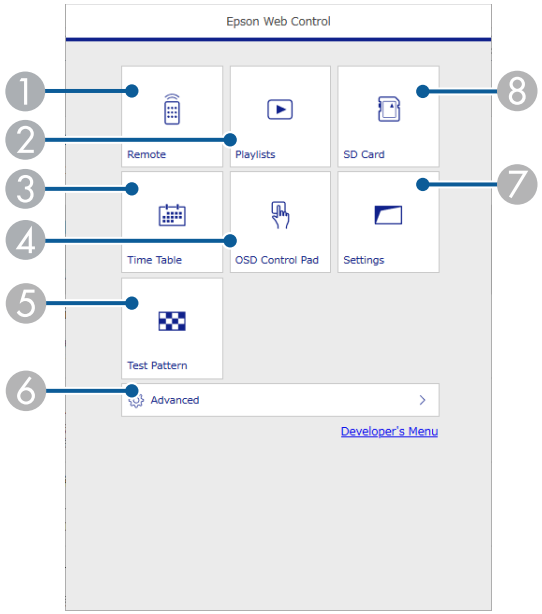
1 Make sure the projector is turned on.

2 Make sure your computer or device is connected to the same network as the projector.

3 Start your Web browser on the computer or device.

4 Go to the Epson Web Control screen by entering the projector's IP address into the browser's address box. When entering an IPv6 address, wrap the address with [and].

You see the Epson Web Control screen.



1. Controls the projector remotely.
2. Selects the playlist you want to play, and allows you to create or edit playlists.
3. Displays the Time Table screen.
4. Operates the projector's menu settings with your finger or mouse.
5. Displays a test pattern.
6. Sets detailed projector settings.
7. Sets projector settings.
8. Registers or deletes the data for a playlist on the SD card.

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

- You may need to log in to access some of the options on the Epson Web Control screen. If you see a log in window, enter your user name and password. The user name is **EPSONWEB** and the default password is **admin**.
- You can change the password in **Web Control Password** in the projector's **Network** menu.
- You can only select the following settings from **Advanced**.
  - Monitor Password (up to 16 alphanumeric characters)
  - IPv6 Settings (manual)
  - HTTP port (port number used for Web Control except for 80 [default], 161, 162, 443, 843, 3620, 3621, 3629, 3702, 4352, 5116, 5357, 6454, 41794)

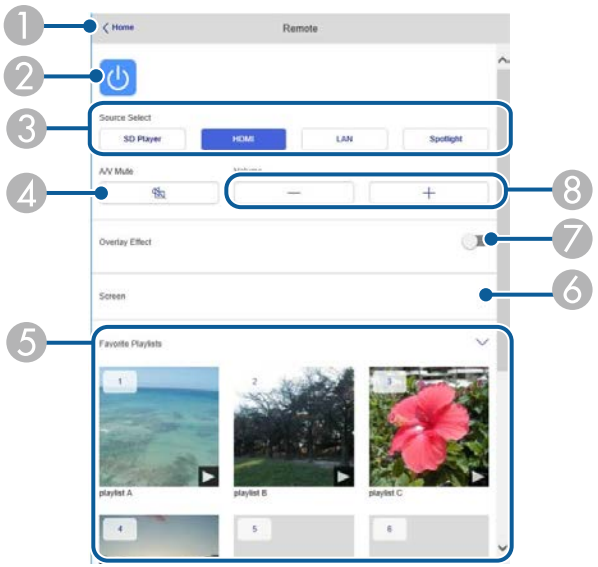
Related Links

- "Web Control Options" p.97
- "Projector Setup Settings - Extended Menu" p.126
- "Network Menu - Basic Menu" p.130

Web Control Options

Remote

Options on the **Remote** screen allow you to select the input source, control the projector, and start projecting playlists.



1. Returns to the Epson Web Control screen.
2. Turns the projector on or off.
3. Selects the input source.
4. Turns the video and audio on or off temporarily.
5. Displays your favorite playlists. Select a playlist to start projecting.
6. Adjusts the projected image.
   When expanding this item, you can select the **Zoom**, **Focus**, and **Keystone** settings.

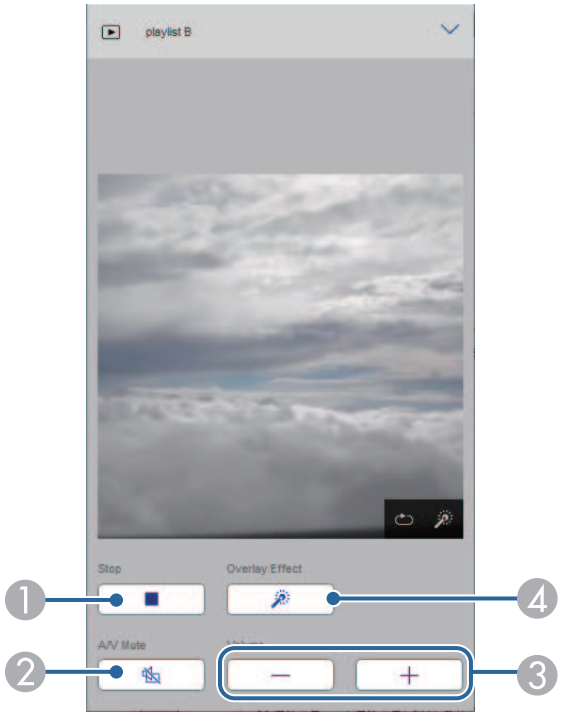
7 **Overlay Effect** option is displayed when the current source is anything other than SD.

Turns **Overlay Effect** on or off to add color and shape effects to a playlist.

When turning on, the **Effects** screen is displayed. You can add predefined color and shape effect filters to a playlist. You can also create a customized effect.

8 Adjusts the volume of external speakers.

Screen displayed while projecting playlist



1 Stops projection.

2 Turns the video and audio on or off temporarily. However, the audio and video continue to run so you cannot resume projection at the point you activated this function.

3 Adjusts the volume of external speakers.

4 Opens the **Effects** screen. You can select preset effects or select individual brightness, color, and shape effect filters.

Playlist

Options on the **Playlist** screen allow you to select the playlist you want to play from the list, and create or edit playlists.

1 Returns to the Epson Web Control screen.

2 Starts projecting the playlist.

The icons indicate the playlist settings.

: Number assigned to your favorite playlists

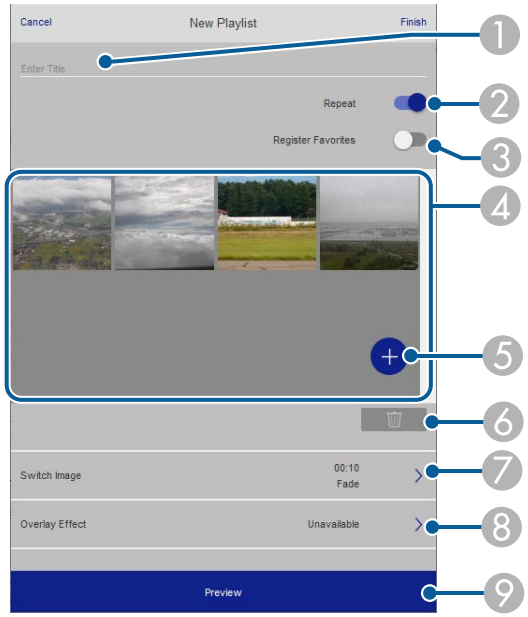
: Repeat playback has been applied

: Overlay effects have been applied

3 Opens the menu that allows you to edit, copy, register to your favorites, or delete the playlist.
When you select **Edit** or **Duplicate**, the edit playlist screen is displayed.

4 Opens the create playlist screen where you can create a new playlist.

Create or edit playlist screen



1 Edits the playlist name.

2 Selects whether to enable repeat playback or not.

3 Registers the playlist as favorites.
When registering favorites, you can quickly start playback of the favorite playlist using the **Remote** screen or the remote control.

4 Displays the images or movies you have added to the playlist. The playlist plays the images or movies in order.

5 Adds images or movies to the playlist.

6 Deletes images or movies from the playlist.

7 Opens the **Switch Image** screen.
You can specify the time interval to switch to the next image file. You can also select a transition effect.

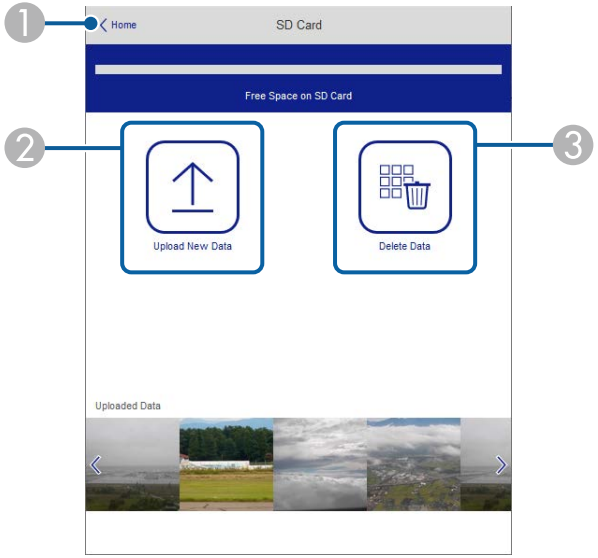
8 Opens the **Effects** screen.
You can add predefined color and shape effect filters to a playlist. You can also create a customized effect.

9 Previews the playlist.

SD Card

Options on the **SD Card** screen allow you to upload data for a playlist to the SD card or delete the data on the SD card.

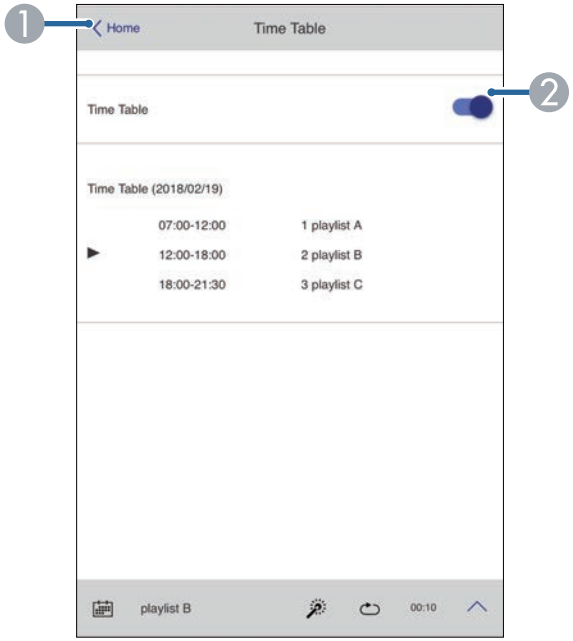
You can upload .avi, .jpeg (.jpg), .png, .bmp, or .gif files.
If you want to add .mp4 or .mov files to the playlist, use the Epson Projector Content Manager software or the Epson Creative Projection app.



1. Returns to the Epson Web Control screen.
2. Copies images or movies you want to add to playlists to an SD card.
3. Deletes images or movies on the SD card.

Time Table

Options on the **Time Table** screen allow you to enable or disable the specified time table features.

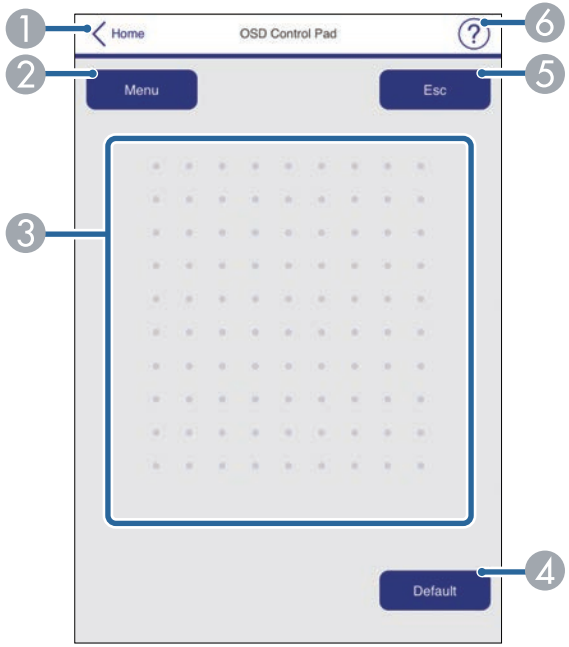


1. Returns to the Epson Web Control screen.
2. Turns the time table on or off.

You can specify when each playlist starts and finishes using the time table feature in the Epson Projector Content Manager software.
See the *Epson Projector Content Manager Operation Guide* for details.

OSD Control Pad

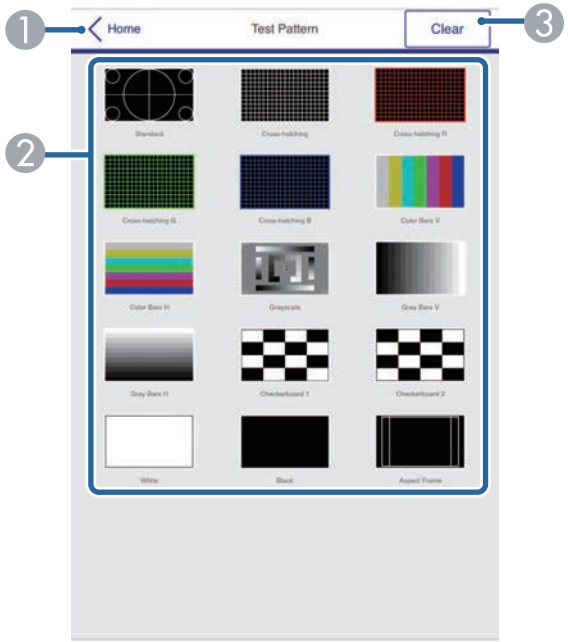
Options on the **OSD Control Pad** screen allow you to display the projector's setting menus and select them moving your finger or mouse on the pad.



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

Test Pattern

The **Test Pattern** screen displays the available test patterns and allow you to select to project it.



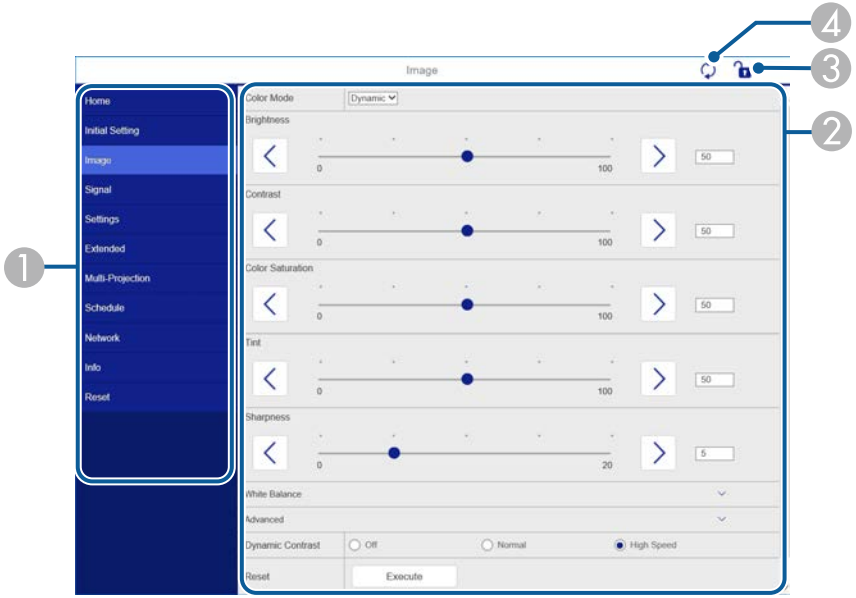
1. Returns to the Epson Web Control screen.
2. Displays available test patterns; select to project a test pattern.
3. Turns off test pattern display.

Advanced

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

If the default **Web Control Password** is set, a screen prompting to change the password appears before you can view the Advanced screen. Follow the on-screen instructions to change the password.

It is strongly recommended to change password regularly to prevent an unauthorized access to your projector.



1. Displays the menu name you selected.
2. Specifies the projector settings.
3. Lock/unlock the projector settings.
4. Updates the projector settings.

You cannot change the following settings using Epson Web Control.

- **Bluetooth**
- **User Button**
- **Content Playback**
- **User's Logo**
- **HDMI EQ Setting**
- **Language**
- **Search Access Point**
- **Crestron Connected**
- **Event ID**
- **Antenna Level**
- **Reset Network Settings**

You can select the following settings only with Epson Web Control.

- Monitor Password (up to 16 alphanumeric characters)
- IPv6 Settings (manual)
- HTTP port (port number used for Web Control except for 80 [default], 161, 162, 443, 843, 3620, 3621, 3629, 3702, 4352, 5116, 5357, 6454, 41794)

You can register the digital certificates on the projector to provide security for your presentation files.

You can also register the digital certificates in the projector's **Network** menu. However, be sure to register just once or the certificate may not install correctly.

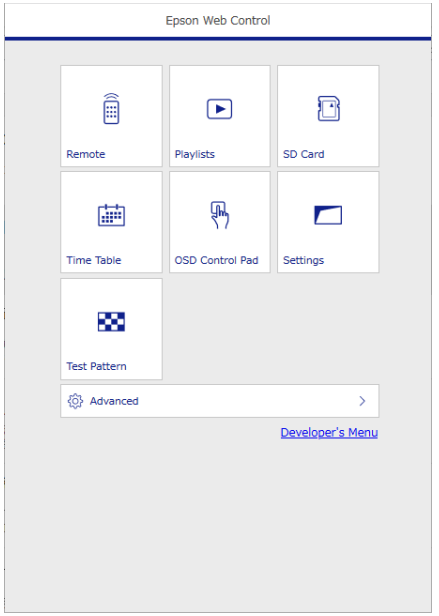
☛ **Network** > **Network Configuration** > **Wireless LAN** > **EAP Method** > **Client Certificate**

☛ **Network** > **Network Configuration** > **Wireless LAN** > **EAP Method** > **CA certificate**

☛ **Network** > **Network Configuration** > **Others** > **Web Server Certificate**

1. Make sure your digital certificate file is compatible with projector registration.
2. Make sure the projector is turned on.
3. Start your Web browser on a computer or device connected to the network.
4. Go to the Epson Web Control screen by entering the projector's IP address into the browser's address box.

You see the Epson Web Control screen.



5. Select **Advanced**.

- You may need to log in before you see the Advanced screen. If you see a log in window, enter your user name and password. (The user name is **EPSONWEB** and the default password is **admin**.)
- You can change the password in the projector's **Network** menu.
  ☛ **Network** > **Network Configuration** > **Basic** > **Web Control Password**

6. Under **Network**, select **Certificate**.
7. Select the certificate file you want to register.

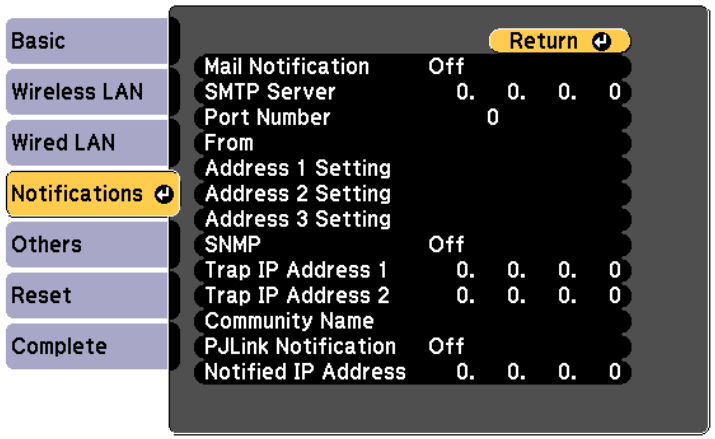
8. Enter the password in the **Password** box, and then click **Send**.

9. When you finish registering the certificate, click **Apply** to finalize your changes and complete the registration.

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

Under the following conditions, you can receive e-mail alerts even if the projector is in standby mode (when the power is off).
- When the **Standby Mode** setting is set to **Communication On**
  ☛ **Extended** > **Standby Mode** > **Standby Mode**
- When connecting to a wireless LAN with the **Connection Mode** setting set to **Advanced** or connecting to a wired LAN
  ☛ **Network** > **Network Configuration** > **Wireless LAN** > **Connection Mode**

1. Press the [Menu] button, select the **Network** menu, and press [Enter].
2. Select **Network Configuration** and press [Enter].
3. Select the **Notifications** menu and press [Enter].



4. Set the **Mail Notification** setting to **On**.
5. Enter the IP address for the **SMTP Server** option.

Do not use "127.x.x.x" (where x is a number from 0 to 255) for the **SMTP Server**.

6. Select a number for the SMTP server **Port Number**, from 0 to 65535 (default is 25).
7. Enter the e-mail address to be indicated as the sender in **From**.
8. Choose an address field, enter the e-mail address, and select the alerts you want to receive. Repeat for up to three addresses.

Your e-mail address can be up to 64 alphanumeric characters long. To enter more than 32 characters, use your Web browser.

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

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

Related Links
- "Network Projector E-mail Alert Messages" p.105
- "Projector Setup Settings - Extended Menu" p.126

Network Projector E-mail Alert Messages

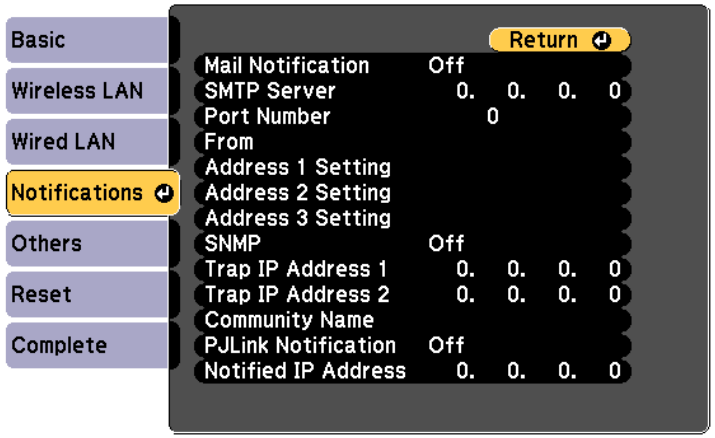
When a problem occurs with a projector on the network, and you selected to receive e-mail alerts, you receive an e-mail containing the following information:

- The email address set in **From** as the mail sender
- **Epson Projector** in the subject line
- The name of the projector experiencing a problem

- The IP address of the affected projector
- Detailed information about the problem

Network administrators can install SNMP (Simple Network Management Protocol) software on network computers so they can monitor projectors. If your network uses this software, you can set up the projector for SNMP monitoring.

1. Press the [Menu] button, select the **Network** menu, and press [Enter].
2. Select **Network Configuration** and press [Enter].
3. Select the **Notifications** menu and press [Enter].



4. Set the **SNMP** setting to **On**.
5. Enter up to two IP addresses to receive SNMP notifications as the **Trap IP Address 1** and **Trap IP Address 2** settings, using 0 to 255 for each address field.

> Do not use these addresses: 224.0.0.0 through 255.255.255.255.
> This projector supports SNMP agent version 1 (SNMPv1).

6. Enter the SNMP **Community Name** up to 32 alphanumeric characters long.
7. When you finish selecting settings, select **Complete** and follow the on-screen instructions to save your settings and exit the menus.

You can control the projector from an external device using ESC/VP21.

Related Links
- "ESC/VP21 Command List" p.108

ESC/VP21 Command List

When the power ON command is transmitted to the projector, the power turns on and it enters warm-up mode. When the projector's power has turned on, a colon ":" (3Ah) is returned.

When a command is input, the projector executes the command and returns a ":", and then accepts the next command.

If the command being processed terminates abnormally, an error message is output and a ":" is returned.

The following commands are available.

Item		Command
Power On/Off	On	PWR ON
	Off	PWR OFF
Signal selection	HDMI	SOURCE 30
	LAN	SOURCE 53
	SD Player	SOURCE 57
	Spotlight	SOURCE 58
A/V Mute On/Off	On	MUTE ON
	Off	MUTE OFF

Add a Carriage Return (CR) code (0Dh) to the end of each command and transmit.

Contact Epson for more details.

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 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
HDMI	32
SD Player	43
Spotlight	44
LAN	52

- Manufacturer name displayed for "Manufacture name information query"
  EPSON
- Model name displayed for "Product name information query"
  EPSON EV115/EV110

Related Links

- "Using the Projector on a Network" p.81

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

- You cannot use the Message Broadcasting feature in Epson Projector Management when you use Crestron Connected.
- Under the following conditions, you can control the projector even if the projector is in standby mode (when the power is off).
  - When the **Standby Mode** setting is set to **Communication On**
    ☛ **Extended** > **Standby Mode** > **Standby Mode**
  - When connecting to a wireless LAN with the **Connection Mode** setting set to **Advanced** or connecting to a wired LAN
    ☛ **Network** > **Network Configuration** > **Wireless LAN** > **Connection Mode**

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

https://www.crestron.com/products/line/crestron-connected

To monitor devices in the system, you can use Crestron RoomView Express or Crestron Fusion provided by Crestron. You can communicate with the help desk and send emergency messages. See the following Web site for details.

http://www.crestron.com/getroomview

This manual describes how to perform operations on your computer using a Web browser.

Related Links

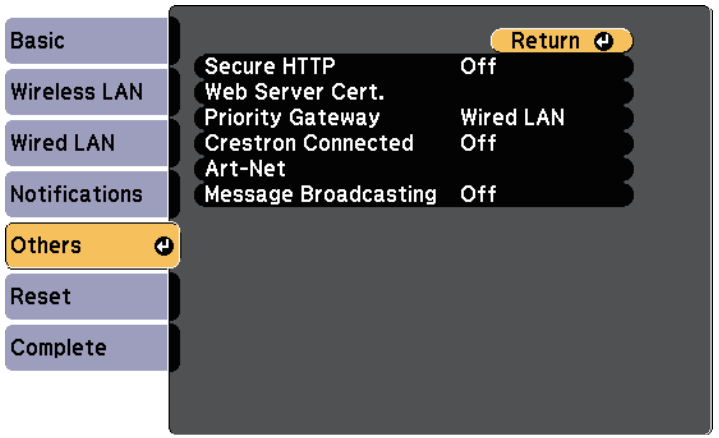
- "Setting Up Crestron Connected Support" p.110
- "Projector Setup Settings - Extended Menu" p.126

Setting Up Crestron Connected Support

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

If you are connecting wirelessly, set up the projector using the Advanced network connection mode.

1. Press the [Menu] button, select the **Network** menu, and press [Enter].
2. Select **Network Configuration** and press [Enter].
3. Select the **Others** menu and press [Enter].



4. Set the **Crestron Connected** setting to **On** to allow the projector to be detected.
5. When you have finished selecting settings, select **Complete** and follow the on-screen instructions to save your settings and exit the menus.
6. Turn off the projector, and then turn it on again to enable the setting.
7. Start your Web browser on a computer or device connected to the network.
8. Go to the Epson Web Control screen by entering the projector's IP address into the browser's address box.

9 Select the **Crestron Connected** settings. See the Crestron Web site for details.

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

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

First, set Channel 13 to "Can control".

Channel/Function	Operation	Parameters	Default value	Description
1 Adjusting light (dimming)	0% to 100%	0 to 255	0	Adjusts the image brightness.
2 Shutter control	Shutter open	0 to 63	128	Enables/disables A/V Mute.
	Non-operational	64 to 191		
	Shutter closed	192 to 255		
3 Switch source	Non-operational	0 to 7	0	Switches to the specified source.
	HDMI	8 to 15		
	LAN	16 to 23		
	SD Player	24 to 31		
	Spotlight	32 to 39		
	Non-operational	40 to 255		
7 Zoom	(+) lens adjustment (large)	0 to 31	128	Zooms using the specified amount of movement.
	(+) lens adjustment (medium)	32 to 63		
	(+) lens adjustment (small)	64 to 95		
	Non-operational	96 to 159		
	(-) lens adjustment (small)	160 to 191		
	(-) lens adjustment (medium)	192 to 223		
	(-) lens adjustment (large)	224 to 255		
8 Electronic focus	(+) lens adjustment (large)	0 to 31	128	Performs electronic focus using the specified amount of movement.
	(+) lens adjustment (medium)	32 to 63		
	(+) lens adjustment (small)	64 to 95		
	Non-operational	96 to 159		
	(-) lens adjustment (small)	160 to 191		
	(-) lens adjustment (medium)	192 to 223		
	(-) lens adjustment (large)	224 to 255		
10 Content playback	Non-operational	0 to 3	0	Plays the specified playlist.
	Playlist 1	4 to 7		
	Playlist 2	8 to 11		
	Playlist 3	12 to 15		
	Playlist 4	16 to 19		
	Playlist 5	20 to 23		
	Playlist 6	24 to 27		
	Playlist 7	28 to 31		
	Playlist 8	32 to 35		
	Playlist 9	36 to 39		

Channel/Function	Operation	Parameters	Default value	Description
	Playlist 10	40 to 43		
	Playlist 11	44 to 47		
	Playlist 12	48 to 51		
	Playlist 13	52 to 55		
	Playlist 14	56 to 59		
	Playlist 15	60 to 63		
	Playlist 16	64 to 67		
	Playlist 17	68 to 71		
	Playlist 18	72 to 75		
	Playlist 19	76 to 79		
	Playlist 20	80 to 83		
	Playlist 21	84 to 87		
	Playlist 22	88 to 91		
	Playlist 23	92 to 95		
	Playlist 24	96 to 99		
	Playlist 25	100 to 103		
	Playlist 26	104 to 107		
	Playlist 27	108 to 111		
	Playlist 28	112 to 115		
	Playlist 29	116 to 119		
	Playlist 30	120 to 123		
	Playlist 31	124 to 127		
	Playlist 32	128 to 131		
	Playlist 33	132 to 135		
	Playlist 34	136 to 139		
	Playlist 35	140 to 143		
	Playlist 36	144 to 147		
	Playlist 37	148 to 151		
	Playlist 38	152 to 155		
	Playlist 39	156 to 159		
	Playlist 40	160 to 163		
	Playlist 41	164 to 167		
	Playlist 42	168 to 171		
	Playlist 43	172 to 175		
	Playlist 44	176 to 179		
	Playlist 45	180 to 183		
	Playlist 46	184 to 187		
	Playlist 47	188 to 191		
	Playlist 48	192 to 195		
	Playlist 49	196 to 199		
	Playlist 50	200 to 203		
	Non-operational	204 to 255		
11 Power control	Power off	0 to 63	128	Turns the projector power on or off.
	Non-operational	64 to 191		
	Power on	192 to 255		
13 Lock	Cannot control	0 to 127	0	Enables/disables Art-Net operations.
	Can control	128 to 255		

If you are controlling the projector using Art-Net and operating it from the remote control, settings made by the DMX controller or application software may differ from the projector's actual status. If you want to apply all the channel controls to the projector, set Channel 13 to "Cannot control", then set it back to "Can control".

Related Links

- "Network Menu - Others Menu" p.135

You can use Web API to operate the projector. See the *Web API Specifications for Projectors* for details.

- You can authenticate Web API communications using API authentication (Digest authentication).
- The user name for API authentication is **EPSONWEB**; use the password that is set for **Web Control Password**.

Related Links

- "Enabling Web API" p.115

Enabling Web API

You can enable Web API from a Web browser.

1. Select **Developer's Menu** on the Epson Web Control screen.
2. Set **Enable API** to **On**.

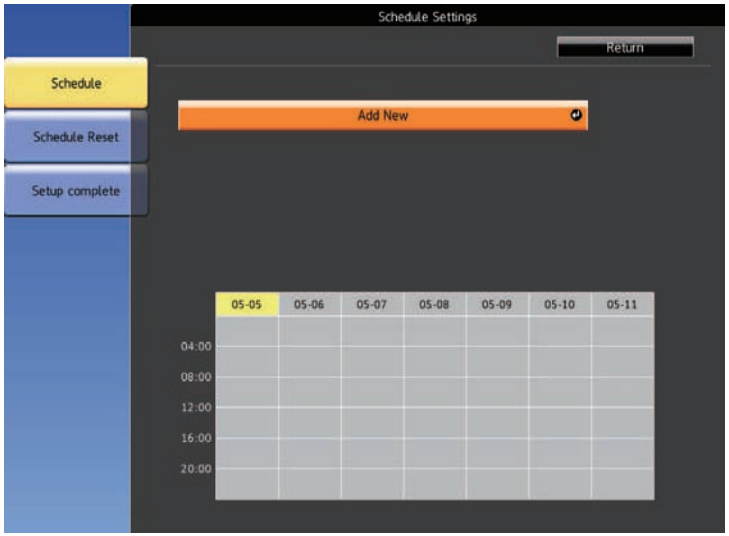
You can schedule up to 30 events to occur automatically on your projector, such as turning the projector on or off or switching the input source. The projector performs the selected events on the specified date and time in the schedule you set up.

⚠ Warning

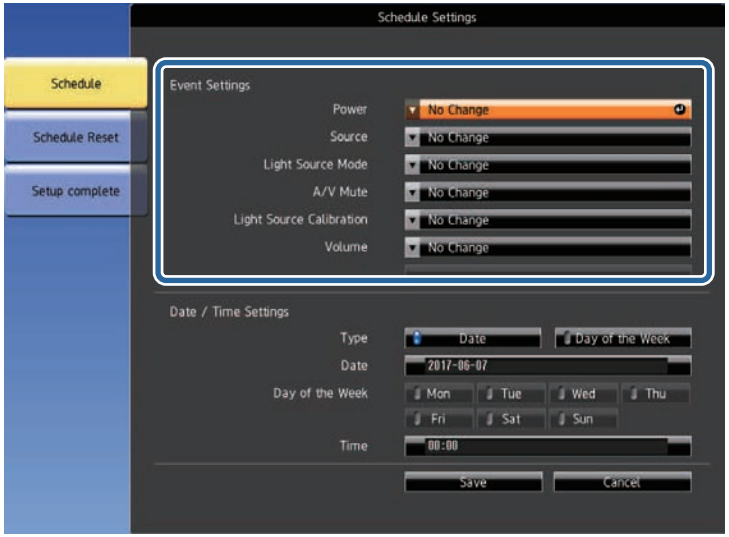
Do not place flammable objects in front of the lens. If you schedule the projector to turn on automatically, flammable objects in front of the lens could catch on a fire.

- If you set a **Schedule Protection** password, turn off your **Schedule Protection** password first.

1. Set the date and time in the **Date & Time** menu.
   ☛ **Extended** > **Operation** > **Date & Time**
2. Press the [Menu] button, select the **Extended** menu, and press [Enter].
3. Select **Schedule Settings** and press [Enter].
4. Select **Schedule** and press [Enter].
5. Select **Add New** and press [Enter].



6. Select the event details you want to perform.



7 Select the date and time at which you want the event to occur.

8 Select **Save** and press [Enter].

The scheduled events are displayed on the screen with icons indicating the event status.

❶ : valid schedule
: regular schedule
: invalid schedule

❷ The date currently selected (highlighted in yellow)

❸ : one time schedule
: regular schedule
: standby schedule (turns communication on or off during standby)
: invalid schedule

9 To edit a scheduled event, select the schedule and press [Enter].

10 Select an option from the menu displayed.

- **On** or **Off** lets you enable or disable the selected event.

- **Edit** lets you change the event details or date and time.
- **Clear** lets you remove the scheduled event from a list.

11 Select **Complete**, then select **Yes**.

To delete all scheduled events, select **Schedule Reset**.

Related Links
- "Setting the Date and Time" p.36
- "Setting a Password" p.76

Adjusting the Menu Settings

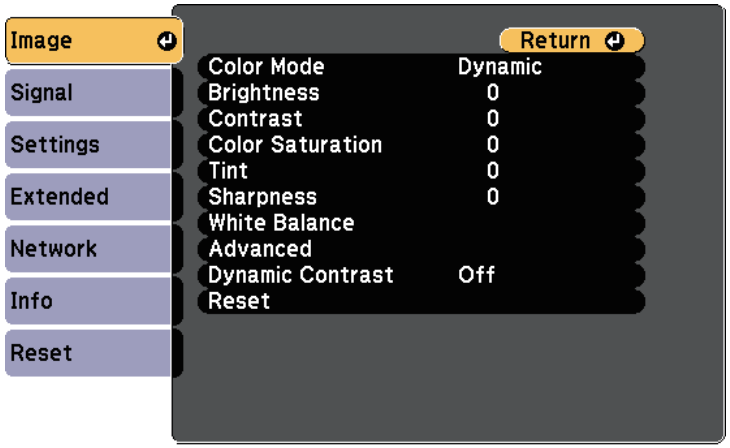
Follow the instructions in these sections to access the projector menu system and change projector settings.

Related Links

- "Using the Projector's Menus" p.120
- "Using the Displayed Keyboard" p.121
- "Image Quality Settings - Image Menu" p.122
- "Input Signal Settings - Signal Menu" p.123
- "Projector Feature Settings - Settings Menu" p.124
- "Projector Setup Settings - Extended Menu" p.126
- "Projector Network Settings - Network Menu" p.130
- "Projector Information Display - Info Menu" p.137
- "Projector Reset Options - Reset Menu" p.139
- "Copying Menu Settings Between Projectors (Batch Setup)" p.140

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

1. Press the [Menu] button on the remote control.
   You see the menu screen displaying the **Image** menu settings.



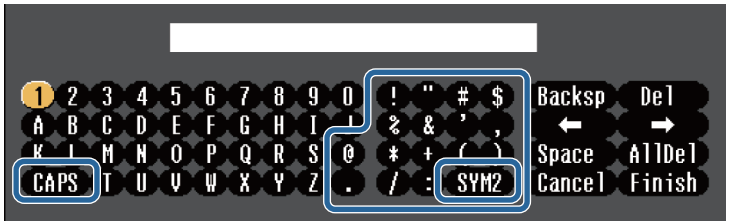
2. Press the up or down arrow buttons to move through the menus listed on the left. The settings for each menu are displayed on the right.

> The available settings depend on the current input source.

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

You can use the displayed keyboard to enter numbers and characters.

1. Use the arrow buttons on the remote control to highlight the number or character you want to enter and press the [Enter] button.



> Each time you select the **CAPS** key, the characters change between upper case and lower case. Each time you select the **SYM1/2** key, the symbols enclosed by the frame change.

2. After entering the text, select **Finish** on the keyboard to confirm your entries. Select **Cancel** to cancel entering text.

> You can select projector settings and control projection over a network using a Web browser from your computer.
>
> Some symbols cannot be entered using the displayed keyboard. Use your Web browser to enter the text.

Related Links

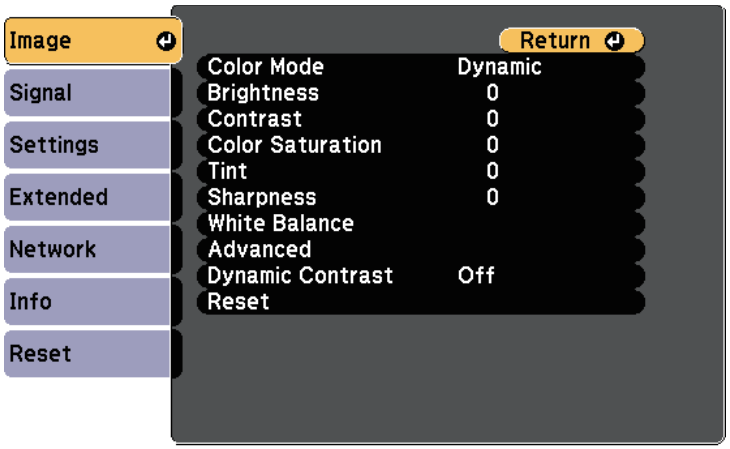
- "Available Text Using the Displayed Keyboard" p.121
- "Controlling a Networked Projector Using a Web Browser" p.96

Available Text Using the Displayed Keyboard

You can enter the following text when using the displayed keyboard.

Text type	Details
Numbers	0123456789
Alphabet	ABCDEFGHIJKLMNOPQRSTUVWXYZ abcdefghijklmnopqrstuvwxyz
Symbols	! " # $ % & ' ( ) * + , - . / : ; < = > ? @ [\ ] ^ _ ` { | } ~

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



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

Setting	Options	Description
Color Mode	See the list of available color modes	Adjusts the vividness of image colors for various image types and environments.
Brightness	Varying levels available	Lightens or darkens the overall image.
Contrast	Varying levels available	Adjusts the difference between light and dark areas of the image.
Color Saturation	Varying levels available	Adjusts the intensity of the image colors.
Tint	Varying levels available	Adjusts the balance of green to magenta tones in the image.
Sharpness	Varying levels available	Adjusts the sharpness or softness of image details.
White Balance		Adjusts the overall tint of the image.

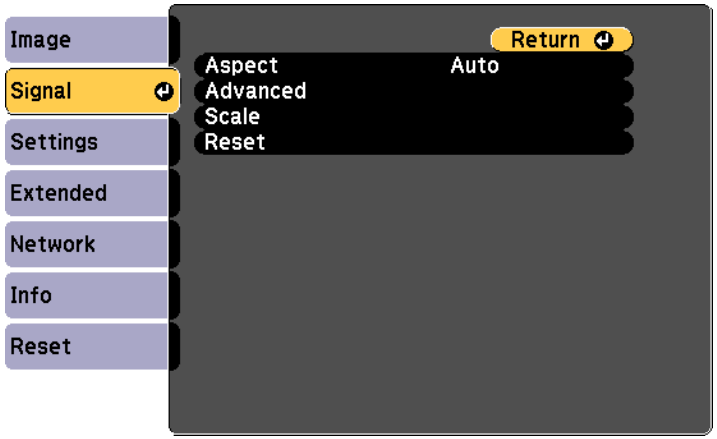
Setting	Options	Description
	Color Temp.	Sets the color temperature according to the color mode you selected. Higher values tint the image blue and lower values tint the image red. Setting is only displayed when **Color Filter** is not set to **Warm White** or **Cool White**. ☛ **Settings** > **Content Playback** > **Overlay Effect** > **Color Filter**
	Custom	Adjusts the individual R (red), G (green), and B (blue) components of the offset and gain.
Advanced	Gamma	Adjusts the colors by selecting one of the gamma correction values by referring to a gamma graph.
Dynamic Contrast	Off Normal High Speed	Adjusts the projected luminance based on the image brightness. Available when the **Color Mode** is set to **Dynamic**. This item is disabled when **Multi-Projection** is set to **On**. ☛ **Extended** > **Multi-Projection** > **Multi-Projection**
Reset	—	Resets all adjustment values on the **Image** menu for the selected color mode to their default settings.

The **Brightness** setting does not affect light source brightness. To change the light source brightness, select **Brightness Settings**.
☛ **Settings** > **Brightness Settings**

Related Links

- "Available Color Modes" p.51

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



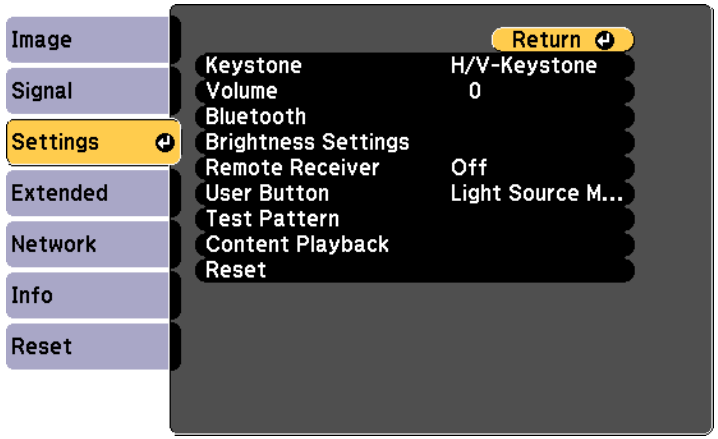
To change settings for an input source, make sure the source is connected and select that source.

Setting	Options	Description
Aspect	See the list of available aspect ratios.	Sets the aspect ratio (width-to-height ratio) for the selected input source.
Advanced	Video Range	Sets the video range to match the setting of the device connected to the HDMI port.
Scale	Various scale options	When using multiple projectors to project one image, adjusts the scale of the image displayed by each projector.
Reset	—	Resets all adjustment values on the **Signal** menu to their default settings.

Related Links

- "Available Image Aspect Ratios" p.49

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

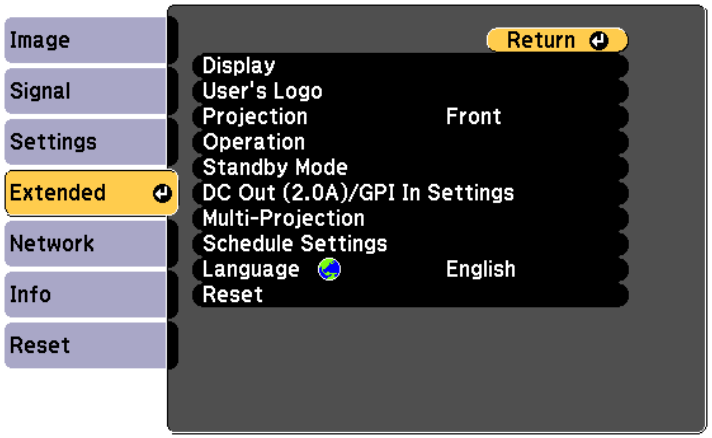


Setting	Options	Description
Keystone		Adjusts image shape to rectangular (horizontally and vertically).
	H/V-Keystone	Select to manually correct horizontal and vertical sides.
	Quick Corner	Select to correct image shape and alignment using an on-screen display.
Volume	Varying levels available	Adjusts the volume of external speakers. Setting values are saved for each source. Not available when the source is set to **Spotlight**.
Bluetooth		Selects various Bluetooth settings:
	Search Bluetooth Device	Searches for available Bluetooth devices and lists them.
	Bluetooth Audio	Enables or disables audio output to Bluetooth audio devices.
	Connected Device	Displays information on the connected Bluetooth device.

Setting	Options	Description
Brightness Settings		Selects the brightness mode of the projector.
	Light Source Mode	Sets the brightness for the light source. Not available when **Multi-Projection** is set to **On**. ☛ **Extended** > **Multi-Projection** > **Multi-Projection** • **Normal**: maximum brightness. • **Quiet**: 50% brightness with reduced fan noise. • **Extended**: 50% brightness and extends the life expectancy of the light source. • **Custom**: select a custom brightness level.
	Brightness Level	Select the **Custom** brightness level you want. Available when **Light Source Mode** is set to **Custom**.
Remote Receiver	On Off	When set to **Off**, you cannot perform any operations from the remote control.
User Button	Light Source Mode Multi-Projection Info Display the QR Code Messages Brightness Level	Assigns a menu option to the [User] button on the remote control for one-touch access.
Test Pattern	—	Displays a test pattern to assist in focusing and zooming the image and correcting image shape (press the [Esc] button to cancel pattern display).
Content Playback		Adds effects to the projected image or plays back a playlist.

Setting	Options	Description
	Overlay Effect	Adds color and shape effects to the projected image. This cannot be set in the following situations: • When **Edge Blending** is set to **On**. ☛ **Extended** > **Multi-Projection** > **Edge Blending** > **Edge Blending** • When the source is an SD player and a non-writable error has occurred. • When the source is an SD player and the playlist cannot be played.
	SD Viewer	Selects and plays back a playlist saved on the SD card.
Reset	—	Resets all adjustment values on the **Settings** menu to their default settings, except for the following: • **User Button**

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



Setting	Options	Description
Display		Selects various display options:
	Messages	Set to **On** to display messages such as input source name, projector ID, no signal message, or high temperature warning on your projected image. Set to **Off** if you do not want to display messages.
	Display Background	Sets what content to display when no signal is received.
	Startup Screen	Set to **On** to display a logo when the projector starts up.
	Standby Confirmation	Set to **Off** to turn off the power simply by pressing the power button once.

Setting	Options	Description
	Color Uniformity	Set to **On** to adjust the color tone balance for the whole screen. Not available when the **Color Mode** is set to **Dynamic** in the projector's **Image** menu. • **Adjustment Level**: set the adjustment level. • **Start Adjustments**: select the area for which you want to adjust the color tone for red, green, and blue individually.
User's Logo	—	Creates a screen that the projector displays to identify itself and enhance security.
Projection	Front Front/Ceiling Rear Rear/Ceiling	Selects the way the projector faces the screen so the image is oriented correctly.
Operation		Selects various operation options:
	Direct Power On	Set to **On** to turn on the projector by plugging it in without pressing the power button.
	High Altitude Mode	Regulates the projector's operating temperature at altitudes above 1500 m.
	Auto Power On	Select the image source from which you want to automatically start projection. When the projector detects the input signal from the selected image source, it projects automatically in standby mode.
	Indicators	Set to **Off** to turn off the projector's indicators. When an error or a warning occurs, or when standing by or warming up, the indicators turn on even if this is set to **Off**.
	Startup Source	Select the image source you want to project when the projector is turned on.

Setting	Options	Description
	HDMI EQ Setting	Adjust the HDMI input signal level depending on the devices connected to the HDMI port. If there is a lot of interference in the image, or if a problem such as no image being projected occurs, change the setting. If no images are displayed using a thumb-sized media streaming device, select **1**.
	Advanced	Select **All** as the **Batch Setup Range** setting to copy all of the projector menu settings using the batch setup feature. Select **Limited**, if you do not want to copy the following settings: • **Password Protection** settings • **Network** menu settings
	Date & Time	Adjusts the projector's system time and date settings. • **Daylight Saving Time**: set to **On** to activate daylight saving time. • **Internet Time**: set to **On** to update the time automatically through an Internet time server.
Standby Mode		Available when you have set **DC Out/GPI In** to **On While Project/Off**.
	Standby Mode	Set to **Communication On** to allow monitoring and controlling the projector over a network when the projector is in standby mode. When monitoring or controlling the projector using wireless LAN, set **Connection Mode** to **Advanced**. ☛ **Network** > **Network Configuration** > **Wireless LAN** > **Connection Mode**

Setting	Options	Description
	Port	Selects the port to use from **Wired LAN** or **Wireless LAN** while the **Standby Mode** setting is set to **Communication On**.
DC Out (2.0A)/GPI In Settings		Select which operation to execute depending on the input signal from the device, such as when an external sensor is connected to the DC Out (2.0A) / GPI In port.
	DC Out/GPI In	Enables or disables **GPI-1 Settings** and **GPI-2 Settings**. Set to **Always On/On** to enable the GPI settings. Also, set to **Always On/On** to keep the external sensor device operating and continue supplying power to the streaming media player when the projector is not projecting images. This lets the device start earlier, or perform updates automatically over a network if necessary.

Setting	Options	Description
	GPI-1 Settings GPI-2 Settings	**Low -> High**/**High -> Low**: set the operation to be executed when the sensor signal exceeds or falls below a certain voltage. Select the **Low -> High** setting to select the operation for when the sensor signal exceeds a certain voltage. Select the **High -> Low** setting to select the operation for when the sensor signal falls below a certain voltage. • **Favorite Playlists**: set which playlist to play when you have selected the **Start Playlist** setting. • **Source**: set the image source when you have selected the **Source Select** setting. • **Combination**: set the settings for the combination of GPI-1 and GPI-2 signals. • **Hold High**/**Hold Low**: set how long the High or Low signal is held before executing the selected operation.
	GPI Info.	Displays the current value for GPI-1 and GPI-2.
Multi-Projection		Make settings when projecting from multiple projectors:
	Multi-Projection	Set to **On** to match the display quality of multiple projectors. When set to **On**, the following are automatically set to prevent unevenness on the right and left screens. ☛ **Image** > **Dynamic Contrast** > **Off** ☛ **Settings** > **Brightness Settings** > **Light Source Mode** > **Custom**
	Projector ID	Assigns an ID for the projector when you use multiple projectors.

Setting	Options	Description
	Color Mode	Adjusts the vividness of image colors for various image types and environments. When using multiple projectors, make sure you select the same color mode for all of the projectors.
	Color Uniformity	Adjusts the color tone balance for the whole screen.
	Edge Blending	Corrects a border between multiple images to create a seamless screen.
	Scale	Adjusts the scale of the image displayed by each projector.
	Brightness Settings	Selects the brightness mode of the projector.
	Color Matching	Corrects the difference between the tint and brightness of each projected image.
	Reset	Resets all adjustment values for the **Multi-Projection** menu to their default settings.
Schedule Settings	To Schedule Settings menu	Schedules projector events to occur automatically at selected dates and times.
Language	Various languages available	Select the language for projector menu and message displays.

Setting	Options	Description
Reset	—	Resets all adjustment values on the **Extended** menu to their default settings, except for the following: • **Color Uniformity** • **User's Logo** • **Projection** • **High Altitude Mode** • **HDMI EQ Setting** • **Date & Time** • **Standby Mode** • **Port** • **DC Out (2.0A)/GPI In Settings** • **Multi-Projection** • **Projector ID** • **Color Mode** • **Color Matching** • **Schedule Settings** • **Language**

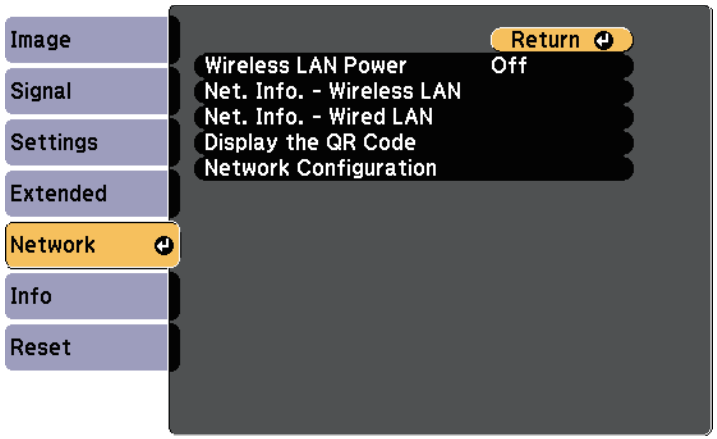
When you set **User's Logo Protection** to **On** in the **Password Protection** screen, you cannot change settings related to user's logo display. Set **User's Logo Protection** to **Off** first.

Related Links

- "Selecting Password Security Types" p.77

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

When you set **Network Protection** to **On** in the **Password Protection** screen, you cannot change the network settings. Set **Network Protection** to **Off** first.



Setting	Options	Description
Wireless LAN Power	On Off	Configures your wireless LAN settings. Select **On** to project images via a wireless LAN. If you do not want to connect via wireless LAN, turn it off to prevent unauthorized access by others.
Net. Info. - Wireless LAN	Various information	Displays wireless network status and details. Available when you have set **Wireless LAN Power** to **On**.
Net. Info. - Wired LAN	Various information	Displays wired network status and details.
Display the QR Code	—	Displays a QR code for connecting with iOS or Android devices using the Epson iProjection app.
Network Configuration	To additional network menus	Configures your network settings.

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

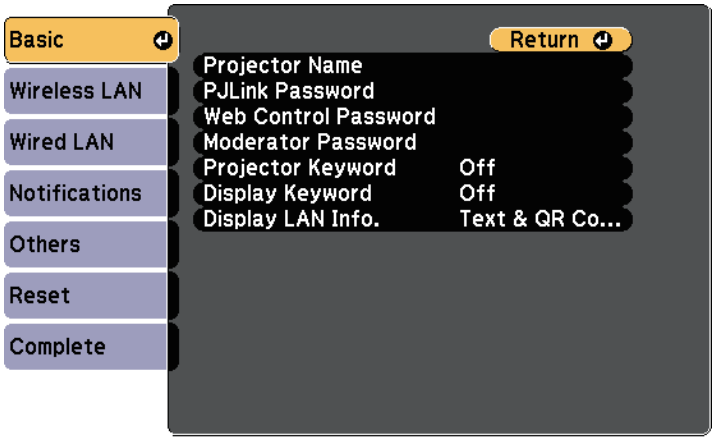
Related Links

- "Network Menu - Basic Menu" p.130
- "Network Menu - Wireless LAN Menu" p.131
- "Network Menu - Wired LAN Menu" p.133
- "Network Menu - Notifications Menu" p.134
- "Network Menu - Others Menu" p.135
- "Network Menu - Reset Menu" p.136
- "Selecting Password Security Types" p.77

Network Menu - Basic Menu

Settings on the **Basic** menu let you select the basic network settings.

☛ **Network** > **Network Configuration** > **Basic**

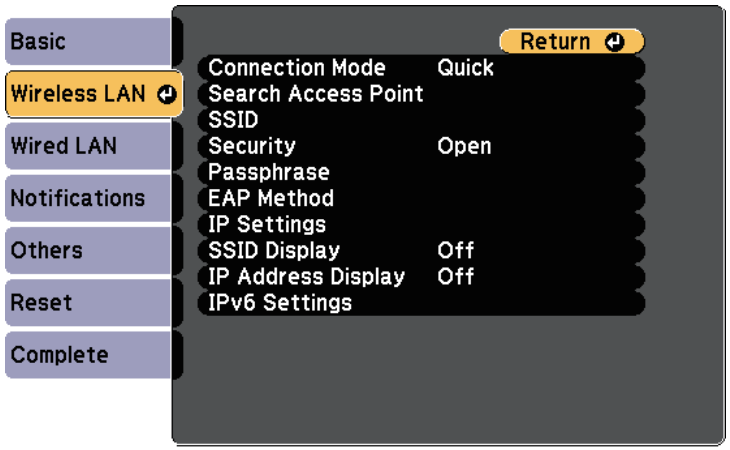


Setting	Options	Description
Projector Name	Up to 16 alphanumeric characters (do not use " * + , / : ; < = > ? [\ ] ` | spaces)	Enter a name to identify the projector over the network.
PJLink Password	Up to 32 alphanumeric characters	Enter a password for using the PJLink protocol for projector control.
Web Control Password	Up to 8 alphanumeric characters (do not use * : spaces)	Enter a password for accessing the projector over the Web. (User name is **EPSONWEB**; default password is **admin**.)
Moderator Password	Four-digit number	Enter a password for accessing the projector as a moderator using Epson iProjection. (No password is set by default.)
Projector Keyword	On Off	Set to **On** to enable a security password to prevent access to the projector by anyone not in the same room as the projector. You must enter a displayed, randomized keyword from a computer using Epson iProjection to access the projector and share the current screen.
Display Keyword	On Off	Set to **On** to display a projector keyword on the projected image when accessing the projector using Epson iProjection. Available when **Projector Keyword** is set to **On**.
Display LAN Info.	Text & QR Code Text	Set the display format for the projector's network information. By simply reading the QR code with Epson iProjection, you can connect the mobile device to the projector through a network. The default value is **Text & QR Code**.

Network Menu - Wireless LAN Menu

Settings on the **Wireless LAN** menu let you select the wireless LAN settings.

☛ **Network** > **Network Configuration** > **Wireless LAN**



Setting	Options	Description
Connection Mode		Select the type of wireless connection:
	Quick	Lets you connect to multiple smartphones, tablets, or computers directly using wireless communication. When you select Quick connection mode, the projector acts as an easy access point. (We recommend limiting the number of devices to six or less to maintain the projection performance.)
	Advanced	Lets you connect to multiple smartphones, tablets, or computers over a wireless network access point.

Setting	Options	Description
Search Access Point	To Search View	Search for available wireless network access points in Advanced connection mode. Depending on the access point settings, they may not be displayed in the list.
SSID	Up to 32 alphanumeric characters	Sets the SSID (network name) of the wireless LAN system the projector is connecting to.
Security		Selects the type of security used on the wireless network. When setting security, follow the instructions from the administrator of the network system you want to connect to.
	Open	Security is not set.
	WPA2-PSK	Connects in WPA2 personal mode. Communication is performed using WPA2 security. Uses AES method for encryption. When establishing a connection from a computer to the projector, enter the value set in the passphrase.
	WPA3-PSK	Connects in WPA3 personal mode. Communication is performed using WPA3 security. Uses AES method for encryption. When establishing a connection from a computer to the projector, enter the value set in the passphrase.
	WPA2/WPA3-PSK	Connects in WPA2/WPA3 personal mode. Encryption method is selected automatically according to the access point settings. Set a passphrase which is the same for the access point.
	WPA3-EAP	Connects in WPA3 enterprise mode. Encryption method is selected automatically according to the access point settings.
	WPA2/WPA3-EAP	Connects in WPA2/WPA3 enterprise mode. Encryption method is selected automatically according to the access point settings.
Passphrase	Various passphrases from 8 to 32 characters (when entering from a Web browser: various passphrases from 8 to 63 characters)	For **WPA2-PSK**, **WPA3-PSK** and **WPA2/WPA3-PSK** security, selects the pre-shared passphrase used on the network. When the passphrase is entered and the [Enter] button is pressed, the value is set and displayed as an asterisk (*). We recommend changing the passphrase periodically for security. If the network settings are initialized, it returns to the initial passphrase.
EAP Method		Set the EAP settings for **WPA3-EAP** and **WPA2/WPA3-EAP** security.
	EAP Type	Selects the protocol for authentication. • **PEAP**: authentication protocol widely used in Windows Server. • **PEAP-TLS**: authentication protocol used in Windows Server. Select this when using a client certificate. • **EAP-TLS**: authentication protocol widely used to use a client certificate. • **EAP-FAST**: select this when using this authentication protocol.
	User name	Enter up to 63 alphanumeric characters. You can enter up to 32 alphanumeric characters in the projector menu. To enter more than 32 characters, use your Web browser. You can enter a domain name by adding it before the user name and separating them with a backslash (domain\username). When importing a client certificate, the name the certificate was issued to is automatically set.

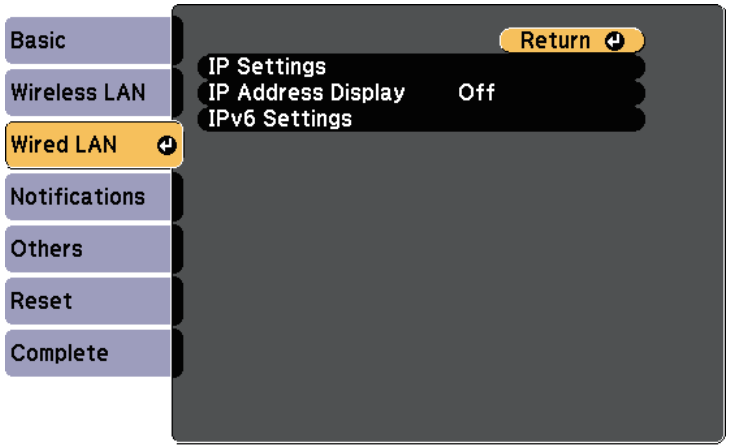
Setting	Options	Description
	Password	Enter a password up to 63 alphanumeric characters for authentication when **EAP Type** is set to **PEAP** or **EAP-FAST**. You can enter up to 32 alphanumeric characters in the projector menu. To enter more than 32 characters, use your Web browser. After you enter the password and select **Set**, the password is displayed as an asterisk (*).
	Client Certificate	Imports the client certificate when **EAP Type** is set to **PEAP-TLS** or **EAP-TLS**.
	Verify Server Cert.	Set to **On** to verify the server certificate when a CA certificate has been set.
	CA certificate	Imports the CA certificate.
	RADIUS Serv.Name	Enter the server name to verify. You can enter up to 32 alphanumeric characters.
Channel	Various channels available	In Quick connection mode, selects the frequency band (channel) used by the wireless LAN. Not available when **Wireless LAN Power** is set to **Off** in the projector's **Network** menu.
IP Settings	DHCP IP Address Subnet Mask Gateway Address	Set **DHCP** to **On** if your network assigns addresses automatically; set to **Off** to manually enter the network's **IP Address**, **Subnet Mask**, and **Gateway Address** using 0 to 255 for each address field. Do not use these addresses: 0.0.0.0, 127.x.x.x, 192.0.2.x or 224.0.0.0 through 255.255.255.255 (where x is a number from 0 to 255) for IP Address, 255.255.255.255 or 0.0.0.0 through 254.255.255.255 for Subnet Mask, and 0.0.0.0, 127.x.x.x or 224.0.0.0 through 255.255.255.255 for Gateway Address.

Setting	Options	Description
SSID Display	On Off	Select whether to display the SSID on the LAN standby screen.
IP Address Display	On Off	Select whether to display the IP address on the LAN standby screen.
IPv6 Settings		Select the IPv6 settings if you want to connect the projector to the network using IPv6:
	IPv6	Set to **On** if you want to connect the projector to the network using IPv6. IPv6 is supported to monitor and control the projector over a network using Epson Web Control and PJLink.
	Auto Configuration	Set to **On** to assign addresses automatically according to the Router Advertisement.
	Use Temporary Address	Set to **On** if you want to use a temporary IPv6 address.

Network Menu - Wired LAN Menu

Settings on the **Wired LAN** menu let you select the wired LAN settings.

☛ **Network** > **Network Configuration** > **Wired LAN**



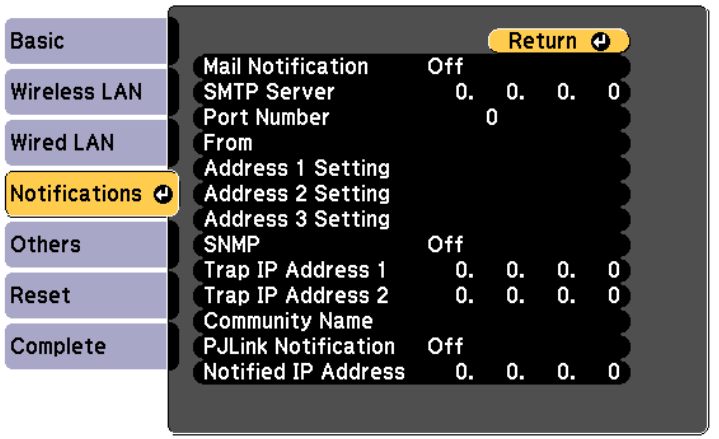
Setting	Options	Description
IP Settings	DHCP IP Address Subnet Mask Gateway Address	Set **DHCP** to **On** if your network assigns addresses automatically; set to **Off** to manually enter the network's **IP Address**, **Subnet Mask**, and **Gateway Address** using 0 to 255 for each address field. Do not use these addresses: 0.0.0.0, 127.x.x.x, 192.0.2.x or 224.0.0.0 through 255.255.255.255 (where x is a number from 0 to 255) for IP Address, 255.255.255.255 or 0.0.0.0 through 254.255.255.255 for Subnet Mask, and 0.0.0.0, 127.x.x.x or 224.0.0.0 through 255.255.255.255 for Gateway Address.
IP Address Display	On Off	Select whether to display the IP address on the LAN standby screen.
IPv6 Settings		Select the IPv6 settings if you want to connect the projector to the network using IPv6:

Setting	Options	Description
	IPv6	Set to **On** if you want to connect the projector to the network using IPv6. IPv6 is supported to monitor and control the projector over a network using Epson Web Control and PJLink.
	Auto Configuration	Set to **On** to assign addresses automatically according to the Router Advertisement.
	Use Temporary Address	Set to **On** if you want to use a temporary IPv6 address.

Network Menu - Notifications Menu

Settings on the **Notifications** menu let you receive an email notification if a problem or warning occurs in the projector.

☛ **Network** > **Network Configuration** > **Notifications**



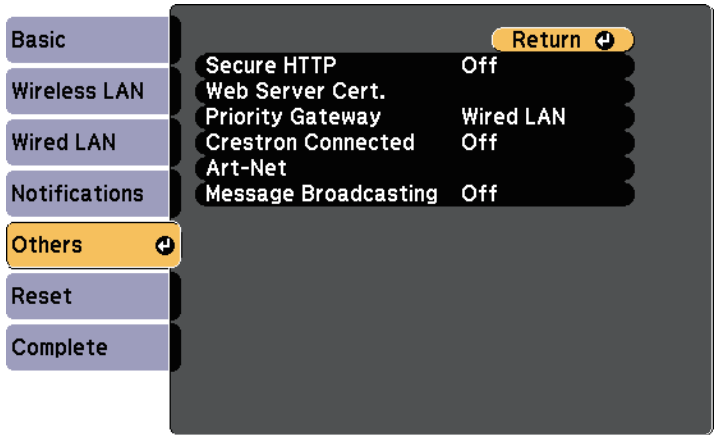
Setting	Options	Description
Mail Notification	On Off	Set to **On** to send an email to the preset addresses when a problem or warning occurs with a projector.
SMTP Server	IP address	Enter the IP address for the projector's SMTP server using 0 to 255 for each address field. Do not use these addresses: 127.x.x.x, 192.0.2.x or 224.0.0.0 through 255.255.255.255 (where x is a number from 0 to 255).
Port Number	1 to 65535 (default is 25)	Select a number for the SMTP server Port Number.
From	Up to 32 alphanumeric characters Up to 64 alphanumeric characters from the Web browser (do not use " ( ) , : ; < > [\ ] spaces)	Enter the email address of the sender.
Address 1 Setting Address 2 Setting Address 3 Setting		Enter the e-mail address, and select the alerts you want to receive. Repeat for up to three addresses.
SNMP	On Off	Set to **On** to monitor the projector using SNMP. To monitor the projector, you need to install the SNMP manager program on your computer. SNMP should be managed by a network administrator.
Trap IP Address 1 Trap IP Address 2	IP address	Enter up to two IP addresses to receive SNMP notifications, using 0 to 255 for each address field. Do not use these addresses: 127.x.x.x or 224.0.0.0 through 255.255.255.255 (where x is a number from 0 to 255).

Setting	Options	Description
Community Name	Up to 32 alphanumeric characters (do not use spaces and any symbols other than @)	Set the SNMP community name.
PJLink Notification	On Off	Enables or disables the PJLink notification function.
Notified IP Address	IP address	Enter the IP address to receive the projector's operating status when the PJLink notification function is enabled. Enter the addresses using 0 to 255 for each address field. Do not use these addresses: 127.x.x.x or 224.0.0.0 through 255.255.255.255 (where x is a number from 0 to 255).

Network Menu - Others Menu

Settings on the **Others** menu let you select other network settings.

☛ **Network** > **Network Configuration** > **Others**



Setting	Options	Description
Secure HTTP	On Off	To strengthen security, communication between the projector and computer in Web control is encrypted. When setting security with Web control, it is recommended to set this to **On**.
Web Server Cert.	—	Imports the Web server certificate for secure HTTP.
Priority Gateway	Wired LAN Wireless LAN	You can set the priority gateway.
Crestron Connected	On Off	Set to **On** only when monitoring or controlling the projector over the network using Crestron Connected. Enabling Crestron Connected disables the Epson Message Broadcasting feature in the Epson Projector Management software.
Art-Net	Art-Net	Set this to **On** to control the projector using Art-Net.
	Net Sub-Net Universe	Sets the projector's Net, Sub-Net, and Universe.
	Start Channel	Sets the start channel that handles Art-Net.
Message Broadcasting	On Off	Set to **On** to receive the message delivered by Epson Projector Management. See the *Epson Projector Management Operation Guide* for details. Available only when **Crestron Connected** is set to **Off**.

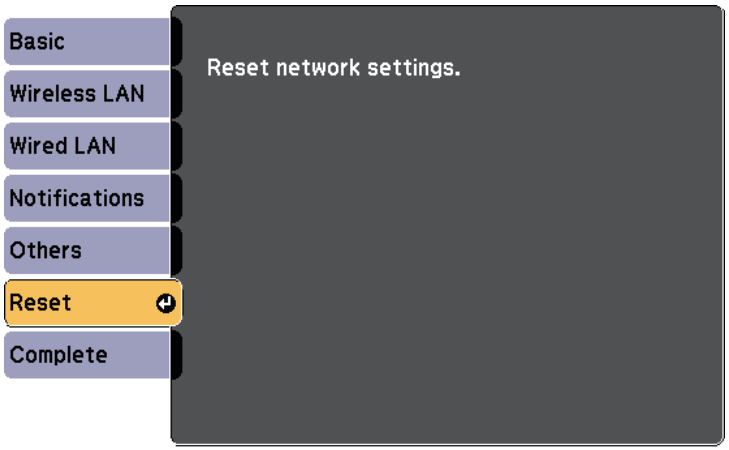
Related Links

- "Crestron Connected Support" p.110

Network Menu - Reset Menu

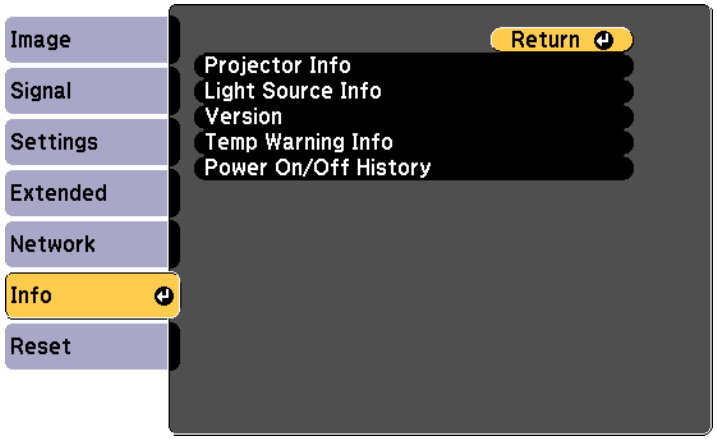
Settings on the **Reset** menu let you reset all of the network settings.

☛ **Network** > **Network Configuration** > **Reset**



Setting	Options	Description
Reset network settings.	Yes No	Select **Yes** to reset all network settings.

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



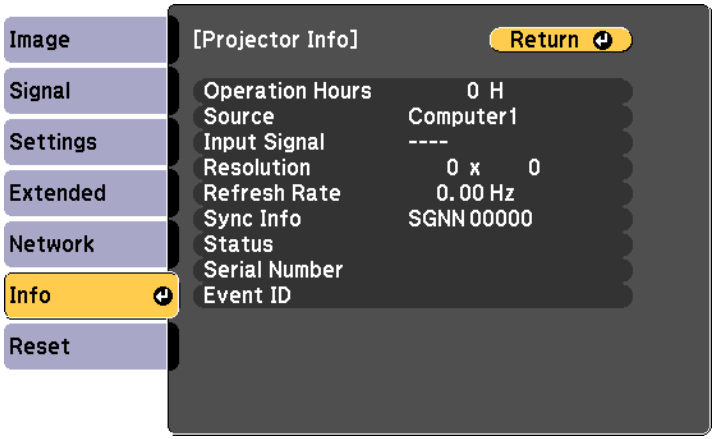
Information item	Description
Projector Info	Displays the projector information.
Light Source Info	Displays the projector's light source information.
Version	Displays the projector's firmware version.
Temp Warning Info	Displays various high temperature warnings.
Power On/Off History	Displays the projector's power on and power off history.

Related Links

- "Info Menu - Projector Info Menu" p.137

Info Menu - Projector Info Menu

You can display information about the projector and input sources by viewing the **Projector Info** menu in the projector's **Info** menu.



The available settings depend on the current input source.

Information item	Description
Operation Hours	Displays the number of hours the projector has been used since it was turned on.
Source	Displays the name of the port to which the current input source is connected.
Input Signal	Displays the input signal setting of the current input source.
Resolution	Displays the resolution of the current input source.
Refresh Rate	Displays the refresh rate of the current input source.
Sync Info	Displays information that may be needed by a service technician.

Information item	Description
Status	Displays information about projector problems that may be needed by a service technician.
Serial Number	Displays the projector's serial number.
Event ID	Displays the Event ID number corresponding to a network problem; see the list of Event ID codes.

Related Links
- "Event ID Code List" p.138

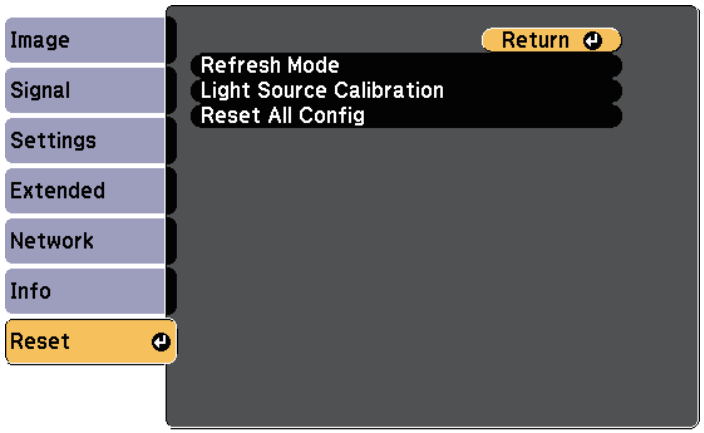
Event ID Code List

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

If you cannot resolve the problem, contact your network administrator or Epson for technical support.

Event ID code	Cause and solution
0432 0435	The network software did not start. Turn the projector off and then on again.
0433	Cannot display the transferred images. Restart the network software.
0434 0481 0482 0485	Unstable network communication. Check the network communication status, wait a few moments, and try connecting to the network again.
0483 04FE	The network software quit unexpectedly. Check the network communication status, then turn the projector off and then on again.
0484	Communication with computer was disconnected. Restart the network software.
0479 04FF	A projector system error has occurred. Turn the projector off and then on again.
0891	Cannot find an access point with the same SSID. Set your computer, access point, and projector to the same SSID.
0892	The WPA/WPA2/WPA3 authentication type does not match. Make sure the wireless network security settings are correct.
0893	The TKIP/AES encryption type does not match. Make sure the wireless network security settings are correct.
0894	Communication with an unauthorized access point was disconnected. Contact your network administrator.
0895	Communication with a connected device was disconnected. Check your device connection status.
0898	Failed to acquire DHCP. Make sure the DHCP server is operating correctly. If you are not using DHCP, set the **DHCP** setting to **Off** in the projector's **Network** menu. ☛ **Network** > **Network Configuration** > **Wireless LAN** > **IP Settings** > **DHCP** ☛ **Network** > **Network Configuration** > **Wired LAN** > **IP Settings** > **DHCP**
0899	Other communication errors.
089A	The EAP authentication type does not match the network. Check the wireless LAN security settings and make sure that the security certificate is installed correctly.
089B	EAP server authentication failed. Check the wireless LAN security settings and make sure that the security certificate is installed correctly.
089C	EAP client authentication failed. Check the wireless LAN security settings and make sure that the security certificate is installed correctly.
089D	Key exchange failed. Check the wireless LAN security settings and make sure that the security certificate is installed correctly.
0920	The internal battery that saves the projector's date and time settings is running low. Contact Epson for help.

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



Setting	Options	Description
Refresh Mode		Clears any projected afterimages and turns off the projector after a specified period of time. You can also set Schedule Settings for Refresh Mode in the projector's **Extended** menu.
	Timer	Sets a time period during which the projector displays the refresh image.
	Messages	Set to **On** to display a message informing you that the projector is in refresh mode.
	Start	Starts the refresh mode process. Under the following conditions, Refresh Mode stops automatically and the projector turns off. • When receiving Message Broadcasting • When receiving an error notification • When a retardation plate warning (error) occurs

Setting	Options	Description
Light Source Calibration		Select options to perform light source calibration to maintain the color balance of the projected image.
	Run Now	Starts light source calibration right away. You may not be able to start the calibration depending on the environmental temperature. (Wait 20 minutes after turning on the projector before performing light source calibration for maximum accuracy.)
	Run Periodically	Set to **On** to perform light source calibration periodically every 100 hours of usage.
	Schedule Settings	Moves to the Schedule Settings screen.
	Last Run	Displays the date and time of the last light source calibration.
Reset All Config	—	Resets most of the projector settings to their default values.

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

- User's Logo
- Startup Screen *
- Color Uniformity
- Color Matching
- Schedule Settings
- Language
- Date & Time
- Network menu items
- Password
- Operation Hours
- Light Source Info

* Only when you set the **User's Logo Protection** setting to **On** in the **Password Protection** setting menu.

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 an SD card
- by using Epson Projector Management

- Perform batch setup before adjusting the image settings such as keystone distortion correction. Since image adjustment values are also copied to another projector, the adjustments you made before performing the batch setup are overwritten and the projected screen you adjusted may change.
- When copying the menu settings from one projector to another, user's logo is also copied. Do not register the information that you do not want to share between multiple projectors as a user's logo.
- Make sure **Batch Setup Range** is set to **Limited** if you do not want to copy the following settings:
  - **Password Protection** settings
  - **Network** menu settings (except for the **Notifications** menu and the **Others** menu)

  ☛ **Extended** > **Operation** > **Advanced** > **Batch Setup Range**

⚠ 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

- "Transferring Settings From an SD Card" p.140

Transferring Settings From an SD Card

You can copy menu settings from one projector to another of the same model using an SD card.

- Connect an empty SD card. If the SD card contains data other than the batch setup file, the settings may not be saved correctly.
- If you have saved a batch setup file from another projector to the SD card, delete the file or change the file name. The batch setup function cannot overwrite a batch setup file.

1. Disconnect the power cord from the projector, and check that all of the projector's indicators have turned off.
2. Insert an empty SD card directly to the projector's SD card slot.
3. Hold down the [Esc] button on the remote control and connect the power cord to the projector.
4. When all of the projector's indicators other than the Wireless LAN indicator turn on, release the [Esc] button.

   The indicators start flashing and the batch setup file is written to the SD card. When writing is finished, the projector turns off.

   ### ⚠ Caution

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

5. Remove the SD card.

   The file name for the batch setup file is PJCONFDATA.bin. If you need to change the file name, add text after PJCONFDATA using only alphanumeric characters. If you change the PJCONFDATA section of the file name, the projector may not be able to recognize the file correctly.

6. Disconnect the power cord from the projector to which you want to copy settings, and check that all of the projector's indicators have turned off.

7. Insert the SD card containing the saved batch setup file to the projector's SD card slot.

8. Hold down the [Menu] button on the remote control and connect the power cord to the projector.

9. When all of the projector's indicators other than the Wireless LAN indicator turn on, release the [Menu] button.

   When all of the indicators start flashing, the settings are being written. When writing is finished, the projector turns off.

   ⚠ Caution

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

10. Remove the SD card.

Related Links
- "Batch Setup Error Notification" p.141

Batch Setup Error Notification

The projector's indicators notify you if an error occurs during a batch setup operation. Check the status of the projector's indicators and follow the instructions described in the table here.

Indicator status	Problem and solutions
• Laser: Orange - flashing fast • Temp: Orange - flashing fast	The batch setup file may be corrupt, or the SD card may not be connected correctly. Disconnect the SD card, unplug and then plug in the projector's power cord, and then try again.
• Power: Blue - flashing fast • Status: Blue - flashing fast • Laser: Orange - flashing fast • Temp: Orange - flashing fast	Writing the settings may have failed and an error may have occurred in the projector's firmware. Stop using the projector, remove the power plug from the electrical outlet. Contact Epson for help.

Related Links
- "Projector Indicator Status" p.149

Maintaining the Projector

Follow the instructions in these sections to maintain your projector.

Related Links

- "Projector Maintenance" p.143
- "Cleaning the Lens" p.144
- "Cleaning the Projector Case" p.145
- "Cleaning the Air Intake Vent and the Air Exhaust Vent" p.146

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

The only parts you should replace are the 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 lens-cleaning paper.
- To remove stubborn smudges, moisten a soft, lint-free cloth with lens cleaner and gently wipe the lens. Do not spray any liquid directly on the lens.

⚠ Warning

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

Attention

Do not use glass cleaner or any harsh materials to clean the lens and do not subject the lens to any impacts; otherwise, it could be damaged. Do not use canned air, or the gases may leave a flammable residue.

Cleaning the Projector Case

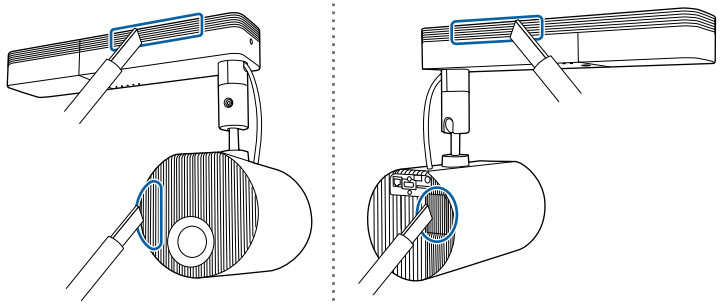
Before cleaning the projector case, turn off the projector and unplug the power cord.

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

> **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.

- Use a vacuum cleaner to clean dust from the slit in the side of the power supply unit.

Use a vacuum cleaner to remove dust from the front of the air intake vent and the air exhaust vent. Also clean the slit in the side of the power supply unit.



Solving Problems

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

Related Links

- "Projection Problems" p.148
- "Projector Indicator Status" p.149
- "Solving Image or Sound Problems" p.151
- "Solving Projector or Remote Control Operation Problems" p.155
- "Solving Network Problems" p.157
- "Solutions to Playlists Problems" p.159
- "Solutions to External Sensor Device Problems" p.160

If the projector is not working properly, turn it off, unplug it, and then plug it back in and turn it on.

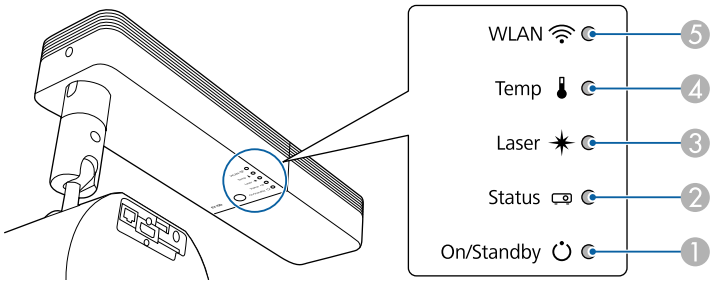
If this does not solve the problem, check the following:

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

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

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

- If the indicators display a pattern not listed in the table below, turn the projector off, unplug it, and contact Epson for help.
- When **Indicators** is set to **Off** in the projector's **Extended** menu, all indicators are off under normal projection conditions.
  ☛ **Extended** > **Operation** > **Indicators**



1. On/Standby (power) indicator
2. Status indicator
3. Laser indicator
4. Temp (temperature) indicator
5. WLAN (wireless LAN) indicator

Projector status

Indicator and status	Problem and solutions
Power: Lit blue Status: Lit blue Laser: Off Temp: Off	Normal operation.

Indicator and status	Problem and solutions
Power: Lit blue Status: Flashing blue Laser: Off Temp: Off	Warming up, shutting down, or cooling down. When warming up, wait about 30 seconds for an image to appear. All buttons are disabled during warm-up, shutting down, and cooling down.
Power: Lit blue Status: Off Laser: Off Temp: Off	Standby or monitoring. When you press the power button, projection starts.
Power: Flashing blue Status: Off Laser: Off Temp: Off	Preparing for monitoring and all features are disabled.
Power: Indicator status varies Status: Flashing blue Laser: Flashing orange Temp: Indicator status varies	Refresh Mode is in progress. ☛ **Reset** > **Refresh Mode**
Power: Flashing blue Status: Indicator status varies Laser: Indicator status varies Temp: Flashing orange	Projector is too hot. • Make sure that the Air intake vent, Air exhaust vent and the slit in the side of the power supply unit are clear, and that the projector is not positioned against a wall. • If dust adheres to the Air intake vent, Air exhaust vent, or the slit in the side of the power supply unit, turn off the projector, unplug the power plug from the outlet, and then clean. • Make sure the environmental temperature is not too hot.

Indicator and status	Problem and solutions
Power: Off Status: Flashing blue Laser: Off Temp: Lit orange	Projector has overheated and turned off. Leave it turned off to cool down for 5 minutes. • Make sure that the Air intake vent, Air exhaust vent and the slit in the side of the power supply unit are clear, and that the projector is not positioned against a wall. • If dust adheres to the Air intake vent, Air exhaust vent, or the slit in the side of the power supply unit, turn off the projector, unplug the power plug from the outlet, and then clean. • If operating the projector at high altitude, set the **High Altitude Mode** setting to **On** in the projector's menu. ☛ **Extended** > **Operation** > **High Altitude Mode** • If the problem persists, unplug the projector and contact Epson for help.
Power: Flashing blue Status: Indicator status varies Laser: Flashing orange Temp: Indicator status varies	Laser warning. Turn the projector off, unplug it, and contact Epson for help.
Power: Off Status: Flashing blue Laser: Lit orange Temp: Off	Laser or retardation plate has a problem. Turn the projector off, unplug it, and contact Epson for help.
Power: Off Status: Flashing blue Laser: Off Temp: Flashing orange	A fan or sensor has a problem. Turn the projector off, unplug it, and contact Epson for help.
Power: Off Status: Flashing blue Laser: Flashing orange Temp: Off	Internal projector error. Turn the projector off, unplug it, and contact Epson for help.

Wireless LAN status

Wireless LAN indicator status	Problem and solutions
Lit blue	Wireless LAN is available.
Flashing blue (quickly)	Connecting to a device.
Flashing blue (slowly)	An error has occurred. Turn off the projector and then on again.
Off	Wireless LAN is not available. Make sure the wireless LAN settings are correct.

Related Links

• "Cleaning the Air Intake Vent and the Air Exhaust Vent" p.146

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

Related Links

- "Solutions When No Image Appears" p.151
- "Solutions When "No Signal" Message Appears" p.151
- "Solutions When "Not Supported" Message Appears" p.152
- "Solutions When Only a Partial Image Appears" p.152
- "Solutions When the Image is not Rectangular" p.153
- "Solutions When the Image Contains Noise or Static" p.153
- "Solutions When the Image is Fuzzy or Blurry" p.153
- "Solutions When the Image Brightness or Colors are Incorrect" p.154
- "Solutions When an Afterimage Remains on the Projected Image" p.154
- "Solutions to Sound Problems" p.154

Solutions When No Image Appears

If no image appears, try the following solutions:

- Press the [A/V Mute] button on the remote control to see if the image was temporarily turned off.
- Make sure all necessary cables are securely connected and the power is on for the projector and connected video sources.
- Press the projector's power button to wake it from standby mode. Also, check if the connected computer is in sleep mode or displaying a blank screen saver.
- If the projector does not respond when you press any buttons on the projector, an internal error may have occurred in the projector. Contact Epson for help.
- Adjust the **Brightness** setting in the projector's **Image** menu.
- Adjust the brightness of your projector's light source.
  ☛ **Settings** > **Brightness Settings**
- Check the **Display** setting in the projector's **Extended** menu to make sure **Messages** is set to **On**.
- The projector may not be able to project copyrighted videos that you play back on a computer. For more details, see the manual supplied with the computer.
- For images projected with Windows Media Center, reduce the screen size from full screen mode.
- For images projected from applications using Windows DirectX, turn off DirectX functions.

Related Links

- "Input Signal Settings - Signal Menu" p.123
- "Image Quality Settings - Image Menu" p.122
- "Projector Feature Settings - Settings Menu" p.124
- "Projector Setup Settings - Extended Menu" p.126

Solutions When "No Signal" Message Appears

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

- Press the [HDMI], [LAN], or [SD ►] button on the remote control to switch the image depending on the input source you want to project.
- Turn on the connected computer or video source, and press play to begin your presentation, if necessary.
- Check that all cables required for projection are securely connected.
- If you are projecting from a laptop computer, make sure it is set up to display on an external monitor.
- If necessary, turn off the projector and the connected computer or video source, and then turn them back on.
- If you are projecting from an HDMI source, replace the HDMI cable with the shorter one.

Related Links

- "Displaying From a Windows Laptop" p.152
- "Displaying From a Mac Laptop" p.152

Displaying From a Windows Laptop

If the message "No Signal" is displayed when projecting from a laptop, you need to set up the Windows laptop to display on an external monitor.

1. Hold down the Windows key and press **P** on your keyboard at the same time, then click **Duplicate**.
2. If the same image is not displayed by the laptop and projector, check the Windows **Display** utility to make sure the external monitor port is enabled and extended desktop mode is disabled.
3. If necessary, check your video card settings and set the multiple display option to **Mirror** or **Duplicate**.

Displaying From a Mac Laptop

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

1. Open the **System Preferences** utility and select **Displays**.
2. Select the **Display** or **Color LCD** option, if necessary.
3. Click the **Arrange** or **Arrangement** tab.
4. Select **Mirror Displays**.

Solutions When "Not Supported" Message Appears

If the message "Not supported" is displayed, try the following solutions:

- Make sure the correct input signal is selected in the projector's **Signal** menu.
- Make sure the computer's display resolution does not exceed the projector's resolution and frequency limits. If necessary, select a different display resolution for your computer.

Related Links

- "Input Signal Settings - Signal Menu" p.123
- "Supported Monitor Display Resolutions" p.165

Solutions When Only a Partial Image Appears

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

- Make sure the **Scale** setting in the **Signal** menu is turned off.
- Change the **Aspect** setting in the projector's **Signal** menu to select a different image aspect ratio.
- Adjust the image size using the [Zoom] buttons on the remote control, and then try adjusting the image position on the Image Shift screen displayed.
- Check your computer display settings to disable dual display and set the resolution within the projector's limits.
- Check the resolution assigned to your presentation files to see if they are created for a different resolution.
- Make sure you selected the correct projection mode. You can select this using the **Projection** setting in the projector's **Extended** menu.
- When playing a playlist, make sure you are using the appropriate **Overlay Effect** settings.
  ☛ **Settings** > **Content Playback** > **Overlay Effect**

Related Links

- "Input Signal Settings - Signal Menu" p.123
- "Projector Setup Settings - Extended Menu" p.126
- "Supported Monitor Display Resolutions" p.165
- "Adding Effects to Your Projected Image" p.63

Solutions When the Image is not Rectangular

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

- Place the projector directly in front of the center of the screen, facing it squarely, if possible.
- Press the [Keystone] buttons on the remote control to adjust the image shape.
- Adjust the Quick Corner setting to correct the image shape.
  ☛ **Settings** > **Keystone** > **Quick Corner**

Related Links
- "Correcting the Image Shape with the Keystone Button" p.42
- "Correcting the Image Shape with Quick Corner" p.43

Solutions When the Image Contains Noise or Static

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

- Check the cables connecting your computer or video source to the projector. They should be:
  - Separated from the power cord to prevent interference
  - Securely connected at both ends
  - Not connected to an extension cable
- Check the settings in the projector's **Signal** menu to make sure they match the video source.
- Select a computer video resolution and refresh rate that are compatible with the projector.
- If you adjusted the image shape using the projector controls, try decreasing the **Sharpness** setting in the projector's **Image** menu to improve image quality.
- If you connected an extension power cable, try projecting without it to see if it caused interference in the signal.

Related Links
- "Input Signal Settings - Signal Menu" p.123
- "Image Quality Settings - Image Menu" p.122
- "Supported Monitor Display Resolutions" p.165

Solutions When the Image is Fuzzy or Blurry

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

- Adjust the image focus.
- Position the projector close enough to the screen.
- Position the projector so the keystone adjustment angle is not so wide that it distorts the image.
- Clean the projector 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.

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

Related Links
- "Input Signal Settings - Signal Menu" p.123
- "Image Quality Settings - Image Menu" p.122
- "Supported Monitor Display Resolutions" p.165
- "Focusing the Image" p.47
- "Cleaning the Lens" p.144

Solutions When the Image Brightness or Colors are Incorrect

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

- Check your video source settings.
- Adjust the available settings in the projector's **Image** menu for the current input source, such as **Color Mode**, **Brightness**, **Contrast**, **Tint**, and **Color Saturation**.
- Make sure you selected the correct **Video Range** setting in the projector's **Signal** menu, if available for your image source.
  ☛ **Signal** > **Advanced** > **Video Range**
- Make sure all the cables are securely connected to the projector and your video device. If you connected long cables, try connecting shorter cables.
- Make sure **Brightness Settings** are set correctly.
  ☛ **Settings** > **Brightness Settings**
- Position the projector close enough to the screen.
- When using multiple projectors, make sure **Light Source Calibration** in the **Reset** menu is set correctly in all of the projectors. If light source calibration is performed only in some of the projectors, the white balance and the brightness level of the projected image may differ between the projectors.

Related Links
- "Adjusting Image Quality (Color Mode)" p.51
- "Input Signal Settings - Signal Menu" p.123
- "Image Quality Settings - Image Menu" p.122
- "Projector Feature Settings - Settings Menu" p.124
- "Projector Reset Options - Reset Menu" p.139

Solutions When an Afterimage Remains on the Projected Image

If you see an afterimage in the projected image, use the **Refresh Mode** feature to clear it. Select **Refresh Mode** > **Start** in the projector's **Reset** menu.

Related Links
- "Projector Reset Options - Reset Menu" p.139

Solutions to Sound Problems

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

- Adjust the projector's volume settings.
- Press the [A/V Mute] button on the remote control to resume video and audio if they were temporarily stopped.
- Check your computer or video source to make sure the volume is turned up and the audio output is set for the correct source.
- Check the audio cable connections between the projector and your video source.
- Make sure any connected audio cables are labeled "No Resistance".
- If you do not hear sound from an HDMI source, set the connected device to PCM output.
- When you are connecting the projector to a Mac using an HDMI cable, make sure your Mac supports audio through the HDMI port.
- If the volume for the computer is set to the minimum while the projector is set to the maximum, the noise may be mixed. Turn up the computer's volume and turn down the projector's volume. (When you use Epson iProjection (Windows/Mac).)

Related Links
- "Projector Connections" p.24
- "Projector Setup Settings - Extended Menu" p.126
- "Controlling the Volume with the Volume Buttons" p.56

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

Related Links
- "Solutions to Projector Power or Shut-Off Problems" p.155
- "Solutions to Problems with the Remote Control" p.155
- "Solutions to Password Problems" p.155
- "Solution When "The Battery that Saves Your Clock Settings is Running Low" Message Appears" p.156

Solutions to Projector Power or Shut-Off Problems

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

- Make sure the power cord is securely connected to the projector and to a working electrical outlet.
- If the power button on the remote control does not turn on the projector, check its batteries and make sure the remote receiver is turned on in the **Remote Receiver** setting in the projector's **Settings** menu.
- If the projector's light source turns off, the status indicator is flashing, and the temp (temperature) indicator is lit, the projector has overheated and turned off.
- 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.
- The power cord may be defective. Disconnect the cord and contact Epson for help.

Related Links
- "Projector Indicator Status" p.149
- "Projector Feature Settings - Settings Menu" p.124

Solutions to Problems with the Remote Control

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

- Check that the remote control batteries are installed correctly and have power. If necessary, replace the batteries.
- Make sure you are operating the remote control within the reception angle and range of the projector.
- Make sure the projector is not warming up or shutting down.
- Check to see if a button on the remote control is stuck down, causing it to enter sleep mode. Release the button to wake the remote control up.
- Strong fluorescent lighting, direct sunlight, or infrared device signals may be interfering with the projector's remote receivers. Dim the lights or move the projector away from the sun or interfering equipment.
- Make sure the remote receiver is turned on in the **Remote Receiver** setting in the projector's **Settings** menu.
- If the **Remote Receiver** setting is disabled, hold down the [Menu] button on the remote control for at least 15 seconds to reset the setting to its default.
- If you assigned an ID number to the projector to operate multiple projectors from the remote control, you may need to check or change the ID setting.
- If you lose the remote control, you can order another one from Epson.

Related Links
- "Remote Control Operation" p.31
- "Projector Feature Settings - Settings Menu" p.124
- "Selecting the Projector You want to Operate" p.68
- "Installing Batteries in the Remote Control" p.30

Solutions to Password Problems

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

- You may have turned on password protection without first setting a password. Try entering **0000** using the remote control.

- If you have entered an incorrect password too many times and see a message displaying a request code, write down the code and contact Epson for help. Provide the request code and proof of ownership for assistance in unlocking the projector.
- If you set an Epson Web Control password and forgot the user ID or password, try entering the following:
  - User ID: **EPSONWEB**
  - Default password: **admin**
- If you lose the remote control you cannot enter a password. Order a new one from Epson.

Solution When "The Battery that Saves Your Clock Settings is Running Low" Message Appears

If the message "The battery that saves your clock settings is running low." is displayed, contact Epson for help.

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

Related Links
- "Solutions When Wireless Authentication Fails" p.157
- "Solutions When You Cannot Access the Projector Through the Web" p.157
- "Solutions When Network Alert E-Mails are not Received" p.157
- "Solutions When the Image Contains Static During Network Projection" p.158

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.
  ☛ **Extended** > **Operation** > **Date & Time**
- Check the **Security** settings in the projector's **Network** menu.
  ☛ **Network** > **Network Configuration** > **Wireless LAN**
- If the access point security is WPA3-EAP, change the access point setting to WPA2/WPA3-EAP.

Related Links
- "Projector Setup Settings - Extended Menu" p.126
- "Network Menu - Wireless LAN Menu" p.131

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.

- For the user ID, enter **EPSONWEB**. (You cannot change the user ID.)
- For the password, enter the password set in the projector's **Network** menu. The default password is **admin**.
- Make sure you have access to the network the projector is on.
- If your Web browser is set up to connect via a proxy server, the **Epson Web Control** screen cannot be displayed. Make settings for a connection without using a proxy server.
- If you set **Standby Mode** to **Communication On** in the projector's menu in standby mode, make sure the network device is turned on. After turning on the network device, turn on the projector.
  ☛ **Extended** > **Standby Mode** > **Standby Mode**
- Connect to a wired LAN, or to a wireless LAN with the **Connection Mode** setting set to **Advanced**.
  ☛ **Network** > **Network Configuration** > **Wireless LAN** > **Connection Mode**

The user ID and password are case sensitive.

Related Links
- "Network Menu - Basic Menu" p.130

Solutions When Network Alert E-Mails are not Received

If you do not receive an e-mail alerting you to problems with a projector over the network, try the following solutions:

- Make sure the projector is turned on and connected to the network correctly. (If an error shuts down the projector, the email may not be delivered.)
- Make sure you set up the projector e-mail alert settings correctly in the projector's network **Notifications** menu or in the network software.
- Set the **Standby Mode** setting to **Communication On** so that the network software can monitor the projector in standby mode.
  ☛ **Extended** > **Standby Mode** > **Standby Mode**

- Connect to a wired LAN, or to a wireless LAN with the **Connection Mode** setting set to **Advanced**.
  ☛ **Network** > **Network Configuration** > **Wireless LAN** > **Connection Mode**
- Change the **Port** setting according to your network environment.
  ☛ **Extended** > **Standby Mode** > **Port**

Related Links
- "Network Menu - Notifications Menu" p.134
- "Projector Setup Settings - Extended Menu" p.126

Solutions When the Image Contains Static During Network Projection

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

- Check for any obstacles between the access point, the computer, the mobile device, and the projector, and change their positions to improve communication.
- Make sure that the access point, the computer, the mobile device and the projector are not too far apart. Move them closer together and try to connect again.
- Check for interference from other equipment, such as a Bluetooth device or microwave. Move the interfering device farther away or expand your wireless bandwidth.
- Reduce the number of connected devices if the connection speed declines.

If you cannot play back a playlist correctly, try the following solutions:

- Make sure the SD card contains a playlist.
- Make sure the SD card is directly inserted to the projector.
- If the SD card is partitioned, you may not be able to play back playlists. Delete all of the partitions before saving the playlists on the SD card.
- If the SD card is write protected, release the write protection from the SD card.
- Do not share a playlist between projectors that are different in resolution. Color and shape effects added by using **Overlay Effect** may not be reproduced correctly.
  ☛ **Settings** > **Content Playback** > **Overlay Effect**

Related Links

- "Projector Feature Settings - Settings Menu" p.124
- "Projecting Your Playlists" p.59

If the external sensor device connected to the projector does not work, try the following solutions:

- Check the **DC Out (2.0A)/GPI In Settings** setting in the projector's **Extended** menu.
- Check that the connection with the external sensor device and the signal from the device is correct. See the *EV-115/EV-110 External Sensors Setup Guide* for details.
- Check that the cable or lead connecting the external sensor device is not damaged.
- Check if you are using the external sensor device as instructed in the manual supplied with the device.

Appendix

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

Related Links

- "Optional Accessories and Replacement Parts" p.162
- "Screen Size and Projection Distance" p.163
- "Supported Monitor Display Resolutions" p.165
- "Projector Specifications" p.166
- "External Dimensions" p.167
- "Supported Features for Epson Projector Content Manager" p.168
- "List of Safety Symbols and Instructions" p.169
- "Laser Safety Information" p.171
- "Glossary" p.173
- "Notices" p.175

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

The following list of optional accessories and replacement parts is current as of: September 2020.

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

Related Links
- "Lighting Track Mounts" p.162
- "Floor Stands" p.162
- "External Devices" p.162

Lighting Track Mounts

Lighting Track Mount (White) ELPMB66W
Lighting Track Mount (Black) ELPMB66B
Use when installing the projector on a lighting track.

Special expertise is required to install the projector on a ceiling. Contact Epson for help.

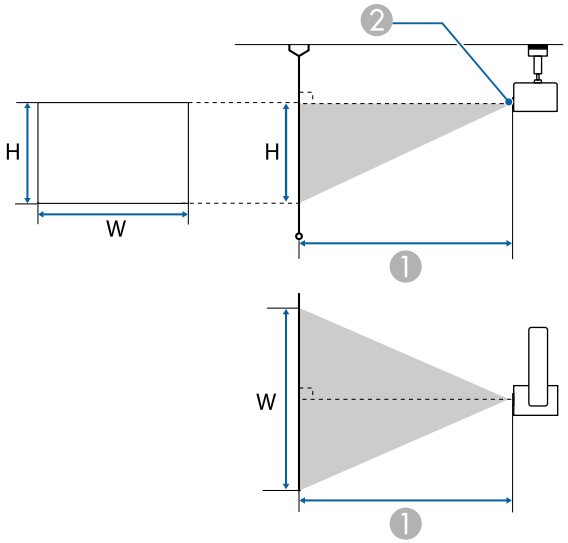
Floor Stands

Floor Stand (White) ELPMB55W
Floor Stand (Black) ELPMB55B
Use when installing the projector on the floor.

External Devices

Android TV™ device ELPAP12
Use this to watch online content.

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 (cm)

2 Center of lens

16:10 screen size		1
		Minimum (Wide) to Maximum (Tele)
29"	62 × 39	85 - 136
30"	65 × 40	88 - 141
40"	86 × 54	118 - 189
50"	108 × 67	149 - 237
60"	129 × 81	179 - 285
80"	172 × 108	239 - 381
100"	215 × 135	300 - 476

16:10 screen size		1
		Minimum (Wide) to Maximum (Tele)
120"	258 × 162	360 - 572
130"	280 × 175	391 - 620
150"	323 × 202	451 - 716

4:3 screen size		1
		Minimum (Wide) to Maximum (Tele)
26"	53 × 40	86 - 138
30"	61 × 46	100 - 160
40"	81 × 61	134 - 214
50"	102 × 76	169 - 268
60"	122 × 91	203 - 323
80"	163 × 122	271 - 431
100"	203 × 152	340 - 540
120"	244 × 183	408 - 648
130"	264 × 198	443 - 702

16:9 screen size		1
		Minimum (Wide) to Maximum (Tele)
29"	64 × 36	87 - 140
30"	66 × 37	91 - 145
40"	89 × 50	122 - 194
50"	111 × 62	153 - 243
60"	133 × 75	184 - 293
80"	177 × 100	246 - 391

16:9 screen size		❶
		Minimum (Wide) to Maximum (Tele)
100"	221 × 125	308 - 490
120"	266 × 149	371 - 588
145"	321 × 181	448 - 711

The tables here list the compatible refresh rate and resolution for each compatible video display format. See the *Specifications* for more information on supported signals.

You can download the information from the following Web site.

epson.sn

Signal	Refresh rate (Hz)	Resolution (dots)
VGA	60	640 × 480
SVGA	60	800 × 600
XGA	60	1024 × 768
WXGA	60	1280 × 800
	60	1366 × 768
WXGA+	60	1440 × 900
WXGA++	60	1600 × 900
SXGA	60	1280 × 960
	60	1280 × 1024
SXGA+	60	1400 × 1050
WSXGA+	60	1680 × 1050
UXGA	60	1600 × 1200
1920×1080	50/60	1920 × 1080
WUXGA (Reduced Blanking) *	60	1920 × 1200
SDTV (480i/480p)	59.94	720 × 480
SDTV (576i/576p)	50	720 × 576
HDTV (720p)	50/59.94/60	1280 × 720
HDTV (1080i)	50/59.94/60	1920 × 1080
HDTV (1080p)	23.98/24/29.97/30/50/59.94/60	1920 × 1080

* Compatible only with VESA CVT-RB (Reduced Blanking) input signal.

Even when signals other than those mentioned above are input, it is likely that the image can be projected. However, not all functions may be supported.

Product name	EV-115/EV-110
Dimensions	Projection unit: Diameter 175 × Depth 260 mm (excluding feet) Power supply unit: 361 (W) × 65 (H) × 110 (D) mm (without cable cover) Power supply unit: 459 (W) × 65 (H) × 110 (D) mm (with cable cover)
LCD panel size	0.59"
Display method	Poly-silicon TFT active matrix
Resolution	1,024,000 dots WXGA (1,280 (W) × 800 (H) dots) × 3
Focus adjustment	Powered
Zoom adjustment	Powered (1 to 2.21) (Optical 1 to 1.58, Digital 1 to 1.4)
Light source	Laser diode
Light source output power	Up to 44 W
Wavelength	449 to 461 nm
Light source life *	Light Source Mode: Normal, Quiet: Up to about 20,000 hours Light Source Mode: Extended: Up to about 30,000 hours
Power supply	100-240V AC±10% 50/60Hz 1.6 - 0.8 A
Operating power consumption (100 to 120 V area)	Light Source Mode: Normal, Custom: 150 W Light Source Mode: Quiet, Extended: 111 W
Operating power consumption (220 to 240 V area)	Light Source Mode: Normal, Custom: 149 W Light Source Mode: Quiet, Extended: 112 W
Standby power consumption	Communication On: 2.0 W Communication Off: 0.4 W
Operating altitude	Altitude 0 to 3,048 m
Operating temperature **	Altitude of 0 to 2,286 m: +5 to +40°C (No condensation) Altitude of 2,287 to 3,048 m: +5 to +35°C (Humidity of 20 to 80%, No condensation)
Storage temperature	-10 to +60°C (Humidity of 10 to 90%, No condensation)
Mass	Approx. 6.9kg (Main projector section approx. 5.0 kg/Direct Mount approx. 1.9 kg)

* 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.)

** Light source brightness automatically dims if the surrounding temperature gets too high. (Approximately 35°C at an altitude of 0 to 2,286 m, and approximately 30°C at an altitude of 2,287 to 3,048 m; however, this may vary depending on the surrounding environment.)

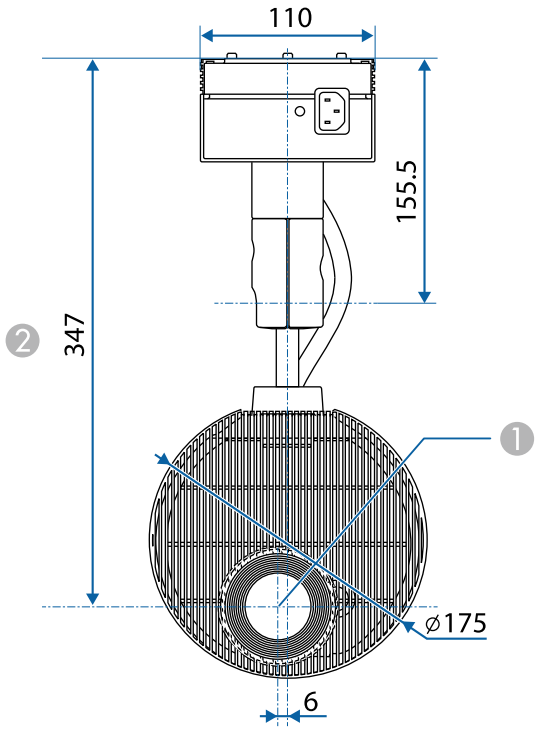
This product is also designed for IT power distribution system with phase-to-phase voltage 230V.

Related Links

- "Connector Specifications" p.166

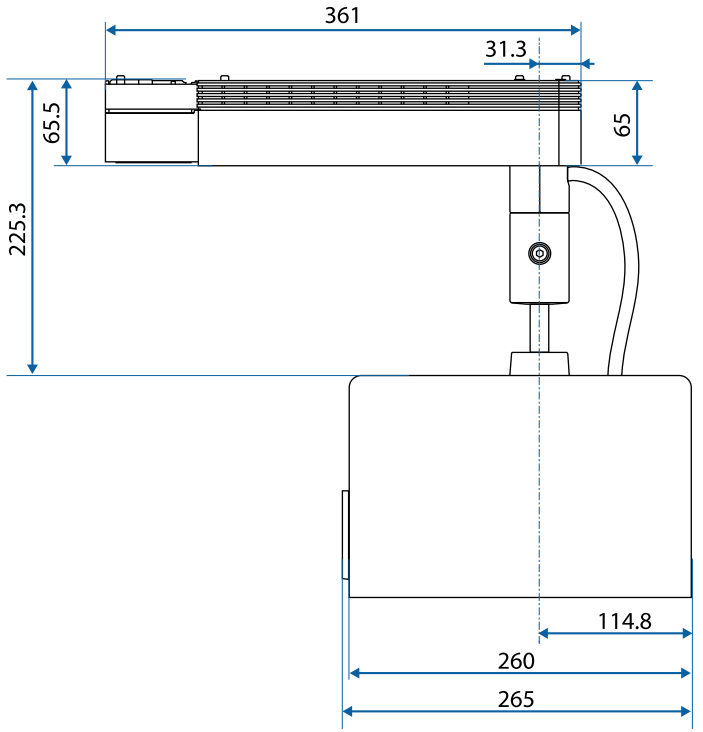
Connector Specifications

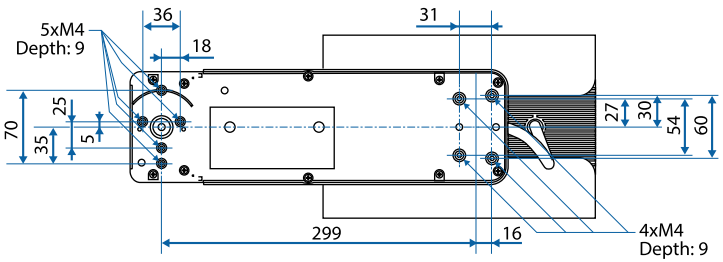
LAN port	1	RJ-45
HDMI port	1	HDMI (Audio is only supported by PCM)
SD card slot	1	SDHC/microSDHC, Class10 or higher, Maximum of 32 GB, FAT16/FAT32 supported
Audio Out port	1	Stereo mini pin jack
DC Out (2.0A) / GPI In port	1	USB connector (Type A)



1 Center of lens

2 Distance from center of lens to mount fixing points



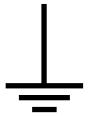


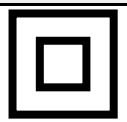
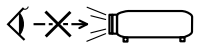
The unit in these illustrations is mm.

Features/Options		EV-115/EV-110
Simultaneous playback		✓
Save the playlist to the projector via a network		✓
Settings > **Video Format**	Auto Select	✓
	AVI Format	✓
	MP4 Format	-

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

No.	Symbol mark	Approved standards	Description
❶		IEC60417 No. 5007	"ON" (power) To indicate connection to the mains.
❷		IEC60417 No. 5008	"OFF" (power) To indicate disconnection from the mains.
❸		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.
❹		ISO7000 No. 0434B, IEC3864-B3.1	Caution To identify general caution when using the product.
❺		IEC60417 No. 5041	Caution, hot surface To indicate that the marked item can be hot and should not be touched without taking care.
❻		IEC60417 No. 6042 ISO3864-B3.6	Caution, risk of electric shock To identify equipment that has risk of electric shock.
❼		IEC60417 No. 5957	For indoor use only To identify electrical equipment designed primarily for indoor use.
❽		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.

No.	Symbol mark	Approved standards	Description
❾		—	The same as No. 8.
❿		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.
⓫		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.
⓬		—	The same as No. 11.
⓭		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.
⓮		IEC60417 No. 5017	Earth To identify an earth (ground) terminal in cases where neither the symbol No. 13 is explicitly required.
⓯		IEC60417 No. 5032	Alternating current To indicate on the rating plate that the equipment is suitable for alternating current only; to identify relevant terminals.
⓰		IEC60417 No. 5031	Direct current To indicate on the rating plate that the equipment is suitable for direct current only; to identify relevant terminals.

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

No.	Symbol mark	Approved standards	Description
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 projector is a Class 1 laser product that complies with the IEC/EN60825-1:2014 international standard for lasers.

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.

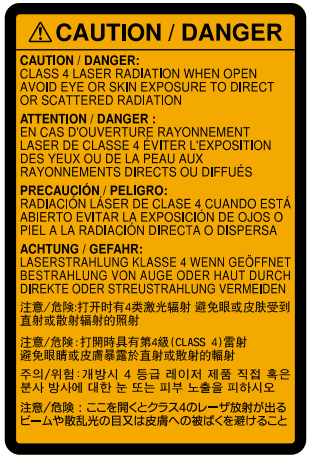
Related Links

- "Laser Warning Labels" p.171

Laser Warning Labels

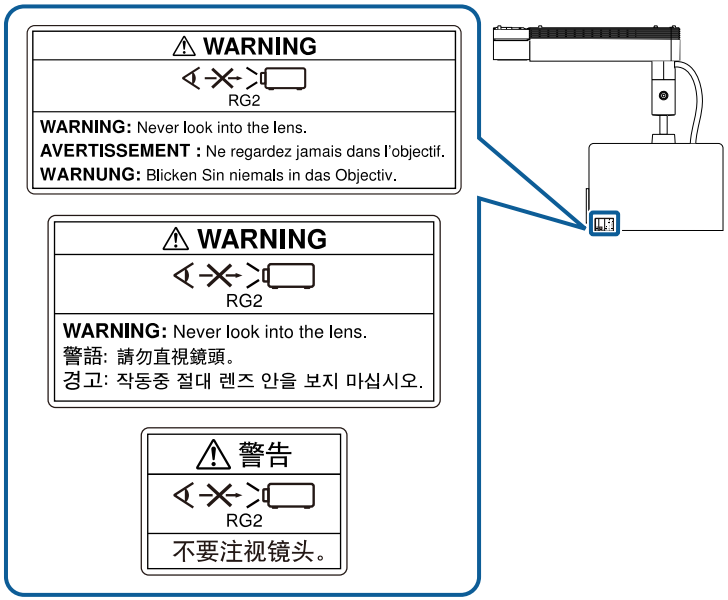
Laser warning labels are attached on the projector.

Inside



Side

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 no one is 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.

For North/South America

Complies with FDA performance standards for laser products 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.
DHCP	An abbreviation of Dynamic Host Configuration Protocol, this protocol automatically assigns an IP address to equipment connected to a network.
Gateway Address	This is a server (router) for communicating across a network (subnet) divided according to subnet mask.
GPI	An abbreviation for General Purpose Interface, which is a versatile interface for controlling single functions such as switching operations.
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
Interlace	Transmits information needed to create one screen by sending every other line, starting from the top of the image and working down to the bottom. Images are more likely to flicker because one frame is displayed every other line.
IP Address	A number to identify a computer connected to a network.
Progressive	Projects information to create one screen at a time, displaying the image for one frame. Even though the number of scan lines is the same, the amount of flicker in images decreases because the volume of information has doubled compared with an interlace system.
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.
SNMP	An abbreviation for Simple Network Management Protocol, which is the protocol for monitoring and controlling devices such as routers and computers connected to a TCP/IP network.
SSID	SSID is identification data for connecting to another device on a wireless LAN. Wireless communication is possible between devices with the same SSID.
Subnet Mask	This is a numerical value that defines the number of bits used for the network address on a divided network (subnet) from the IP address.
SVGA	A screen size standard with a resolution of 800 (horizontal) × 600 (vertical) dots.

SXGA	A screen size standard with a resolution of 1,280 (horizontal) × 1,024 (vertical) dots.
Sync.	The signals output from computers have a specific frequency. If the projector frequency does not match this frequency, the resulting images are not of a good quality. The process of matching the phases of these signals (the relative position of the crests and the troughs in the signal) is called Synchronization. If the signals are not synchronized, flickering, blurriness, and horizontal interference occur.
VGA	A screen size standard with a resolution of 640 (horizontal) × 480 (vertical) dots.
XGA	A screen size standard with a resolution of 1,024 (horizontal) × 768 (vertical) dots.
WXGA	A screen size standard with a resolution of 1,280 (horizontal) × 800 (vertical) dots.

Check these sections for important notices about your projector.

Related Links

- "FCC Compliance Statement" p.175
- "Indication of the manufacturer and the importer in accordance with requirements of EU directive" p.176
- "Restriction of Use" p.176
- "Trademarks" p.176
- "Copyright Notice" p.177
- "Copyright Attribution" p.177

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: HA22A

Other destination model: HA22C

Options:

Product name	Model
Remote controller	2207804xx (x=0-9)

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.

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
Telephone: 81-266-52-3131
http://www.epson.com/

Importer: EPSON EUROPE B.V.
Address: Atlas Arena, Asia Building, Hoogoorddreef 5,1101 BA Amsterdam Zuidoost
The Netherlands
Telephone: 31-20-314-5000
http://www.epson.eu/

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.

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SD and SDHC Logo is a trademark of SD-3C, LLC.

"QR Code" is a registered trademark of DENSO WAVE INCORPORATED.

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