EPSON
EXCEED YOUR VISION

User's Guide

Multimedia Projector

EB-1735W
EB-1730W
EB-1725
EB-1723
EB-1720

Notations Used in This Guide

Safety indications

So that you can use the product safely and correctly, symbols are applied in the User's Guide and on the product to indicate possible harm to the user or to others and the risk of damage to property.
The indications and their meaning are as follows. Make sure you understand them properly before reading the guide.

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

General information indications

Attention	Indicates procedures which may result in damage or injury if sufficient care is not taken.
	Indicates additional information and points which may be useful to know regarding a topic.
☛	Indicates a page where detailed information regarding a topic can be found.
▶▶	Indicates that an explanation of the underlined word or words in front of this symbol appears in the glossary of terms. See the "Glossary" section of the "Appendices". ☛ p.112
Procedure	Indicates operating methods and the order of operations. The procedure indicated should be carried out in the order of the numbered steps.
[(Name)]	Indicates the name of the buttons on the remote control or the control panel. Example: [Esc] button
"(Menu Name)"	Indicates configuration menu items. Example: "Image" - "Brightness"

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Features Common to Each Model

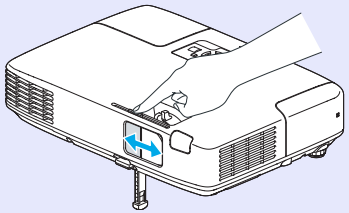
Ease of use

■ Compact and lightweight

Easy to carry with its compact B5 file size body (202 mm (D) x 284 (W) x 65 mm (H)) and lightweight body (1.7 kg ~ 1.8 kg).
*EB-1735W/1725/1723:Approx. 1.8kg
EB-1730W/1720:Approx. 1.7kg

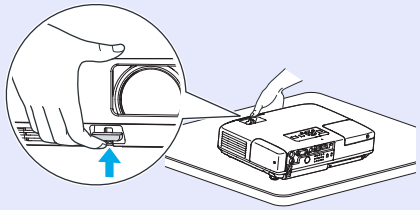
■ The A/V mute slide makes it easy to project and store

You can stop and resume projection easily by opening and closing the A/V mute slide which makes giving clear presentations easier.



■ A single foot design means you do not have to make any difficult leveling adjustments

You can easily make height adjustments with one hand.
☛ *Quick Start Guide*



Enhanced security functions

■ Password Protect to restrict and manage users

By setting a password you can restrict who can use the projector.
☛ p.33

■ Control Panel Lock restricts button operation on the control panel

You can use this to prevent people changing projector settings without permission at events, in schools, and so on. ☛ p.35

Easy to handle

■ Short distance projection

The recommended shortest projection distance with the WXGA is 62 cm (24 in.)* and 65 cm (26 in.) with the XGA, so projector can be placed close to the screen. Therefore, even in a small meeting room, you can easily setup the projector.
*The projection screen size at this distance, for example, with a 16:10 screen size, is approximately 66 x 41 cm (26 x 16 in.).

■ No cool down delay

After turning the projector's power off, you can disconnect the projector's power cable without having to wait for the projector to cool down first.

■ Projection screen for WXGA (EB-1735W/1730W only)

With a computer that has a 16:10 wide LCD display, the image can be projected in the same aspect, whiteboards and other landscape format screens can be used.

EB-1735W/1725/1723 Features

You can make effective use of your network by using the supplied "EPSON Projector Software for Meeting & Presentation" to perform efficient and varied presentations and meetings.

Multi-connection

■ Connect a computer to the projector via a network

By connecting the projector to an already constructed network system via a specific wireless LAN unit, you can have efficient meetings and so on as follows.

- From a conference room, you can open and project a file stored on a computer or file server in another room.
- You can use the Internet.
- You can monitor and control projectors on a network from the computer.

When you install the optional wired LAN unit in the projector, you can connect that to a computer via a network cable. ☛ *EasyMP Operation Guide*

■ Projecting with network connection

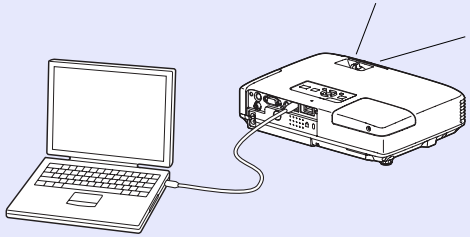
The projector can be used in the following three ways.

- Quick Wireless Connection
  Using the specific USB key for Quick Wireless Connection, you can quickly connect one computer to one projector for projection.
  ☛ *EasyMP Operation Guide* ☛ *Quick Start Guide*
- Quick Connection Mode/Advanced Connection Mode
  With EMP NS Connection, the computer and projector are connected via a network. ☛ *EasyMP Operation Guide*

■ Connection with Windows Vista's "Network Projector"

By connecting the projector to a network and using the "Network Projector" function in Windows Vista, multiple users on the network can share the projector.

■ Connect using a USB cable (USB display)



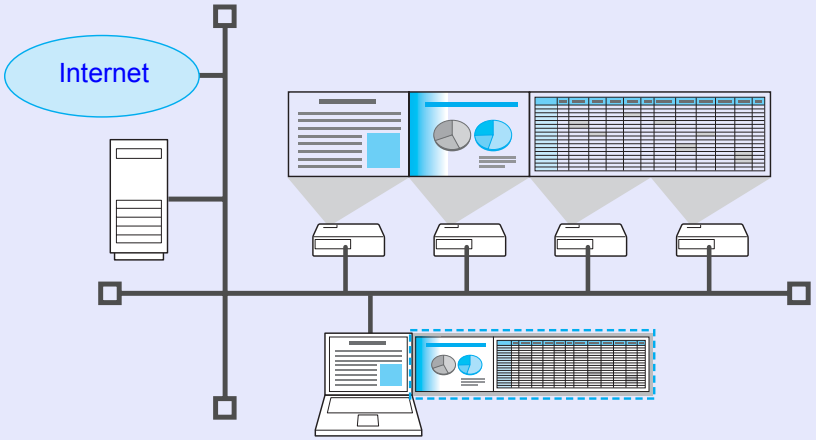
Simply by connecting a commercially available USB cable to a Windows computer you can project images from the computer's screen. You can also get audio output without connecting an audio cable. ☛ *Quick Start Guide* ☛ p.95

Presentations without a computer

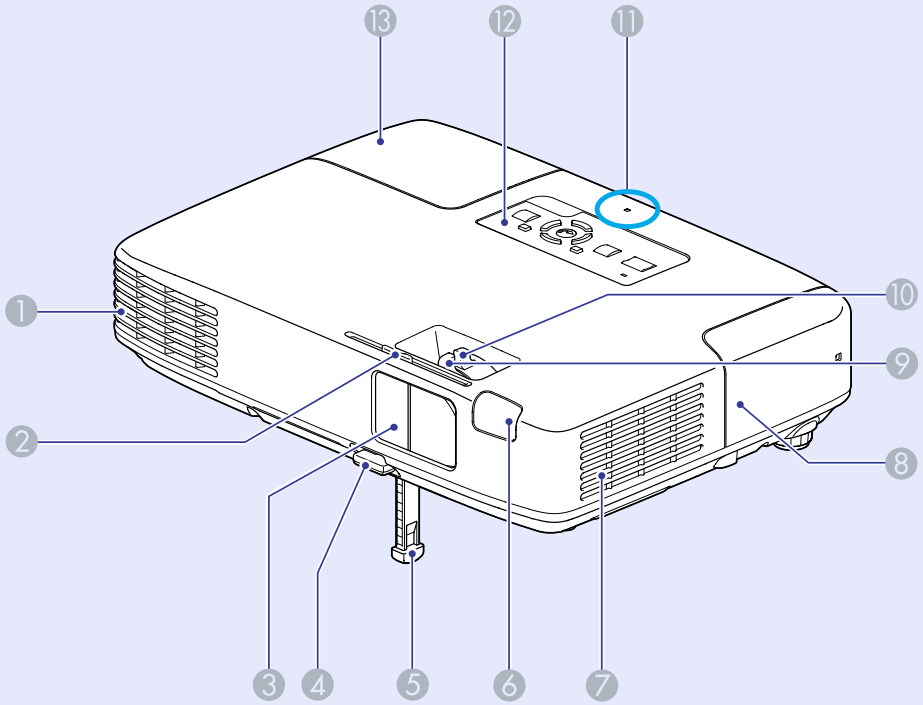
Without computers, you can make presentations using JPEG images, movies, and scenarios stored on USB devices, such as digital cameras or hard disks. ☛ *EasyMP Operation Guide*

Second and third screen projection (Multi-screen display)

You can project a different image from up to four projectors from one computer. This allows you to project a report and so on as a landscape screen. ☛ *EasyMP Operation Guide*



Front/Top

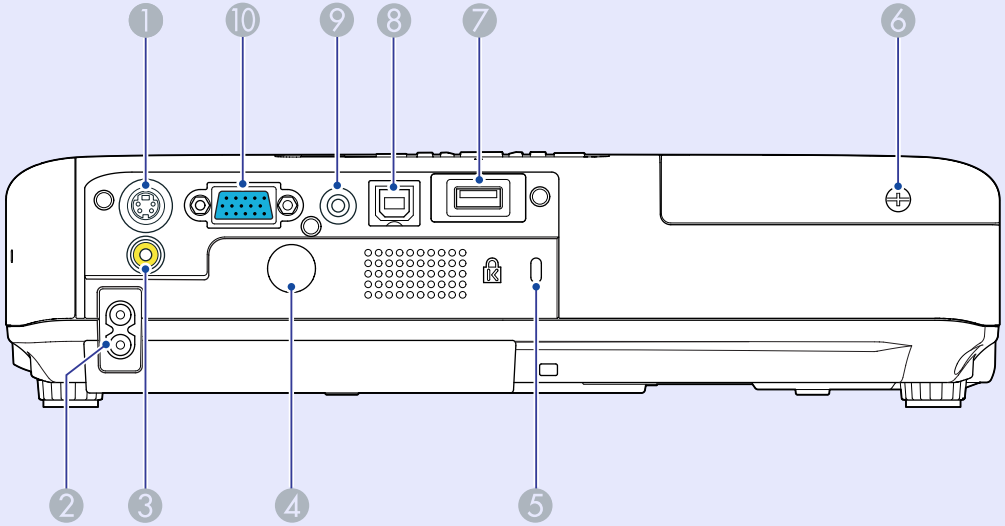


Name	Function
1 **Air exhaust vent**	⚠ **Caution** Do not place objects that may become warped or otherwise affected by heat near the air exhaust vent and do not put your face or hands near the air exhaust vent while projection is in progress.
2 **A/V mute slide knob**	Slide the knob to open and close the A/V mute slide.

Name	Function
3 **A/V mute slide**	Close when not using the projector to protect the lens. By closing during projection you can hide the image and the sound (A/V Mute). ☛ ***Quick Start Guide,*** ☛ p.18
4 **Foot adjust lever**	Pull out the foot lever to extend and retract the front foot. ☛ ***Quick Start Guide***
5 **Front adjustable foot**	Extend and adjust the position of the projected image when the projector is placed on a surface such as a desk. ☛ ***Quick Start Guide***
6 **Remote receiver**	Receives signals from the remote control. ☛ ***Quick Start Guide***
7 **Air intake vent (Air filter)**	Air is taken in through this opening to cool the inside of the projector. If dust collects here it can cause the internal temperature of the projector to rise, and this can lead to problems with operation and shorten the optical engine's service life. Clean the air filter regularly. ☛ p.78, p.84
8 **Wireless LAN unit cover (EB-1735W/1725/1723 only)**	When making a wireless connection between the projector and computer, remove this cover to install the specific wireless LAN unit. ☛ ***Quick Start Guide***
9 **Focus ring**	Adjusts the image focus. ☛ ***Quick Start Guide***
10 **Zoom ring**	Adjusts the image size. ☛ ***Quick Start Guide***
11 **USB indicator (EB-1735W/1725/1723 only)**	Indicates USB Type A access status. OFF: USB device is not connected Orange Light ON: USB device is connected Green Light ON: PC Free is in operation Red Light ON: Error

Name	Function
⑫ **Control panel**	☛ p.11
⑬ **Lamp cover**	Open this cover when replacing the projector's lamp. ☛ p.80

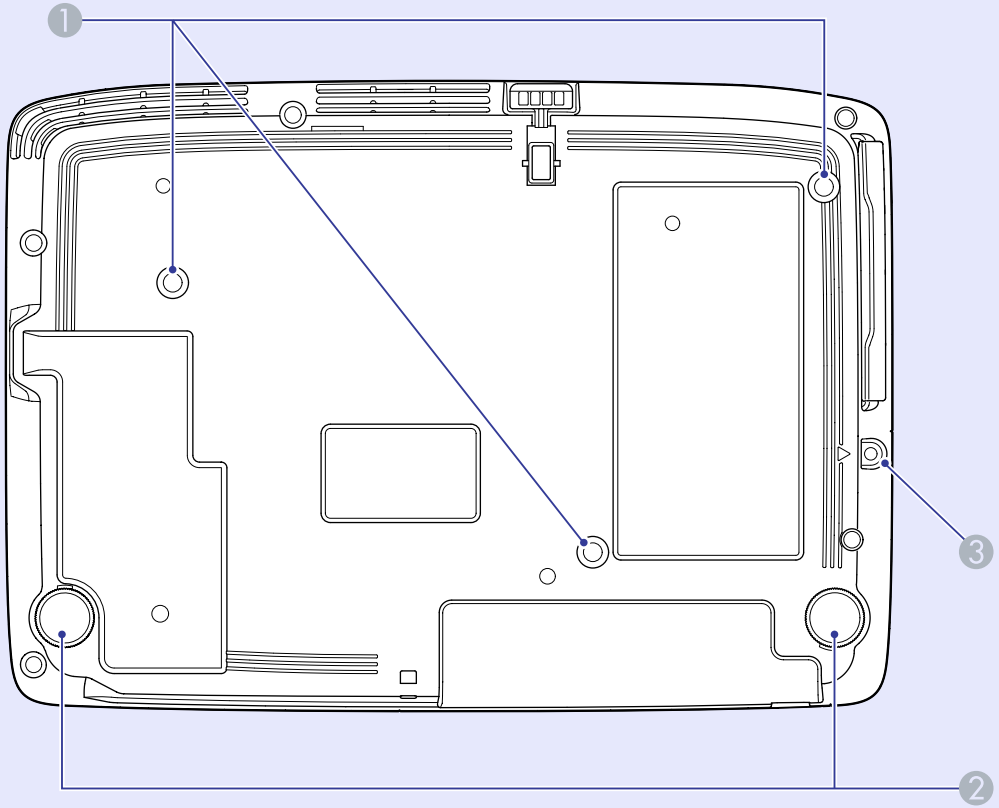
Rear



Name	Function
① **S-video input port**	For S-video signals from video sources.
② **Power inlet**	Connects to the power cable. ☛ ***Quick Start Guide***
③ **Video input port**	For composite video signals from video sources.
④ **Remote receiver**	Receives signals from the remote control. ☛ ***Quick Start Guide***
⑤ **Security slot**	The security slot is compatible with the Microsaver Security System manufactured by Kensington. You can find details about the Microsaver Security System on the Kensington homepage http://www.kensington. com/.
⑥ **Screw hole for the lamp cover**	Screw hole to fix the lamp cover in place. ☛ p.80

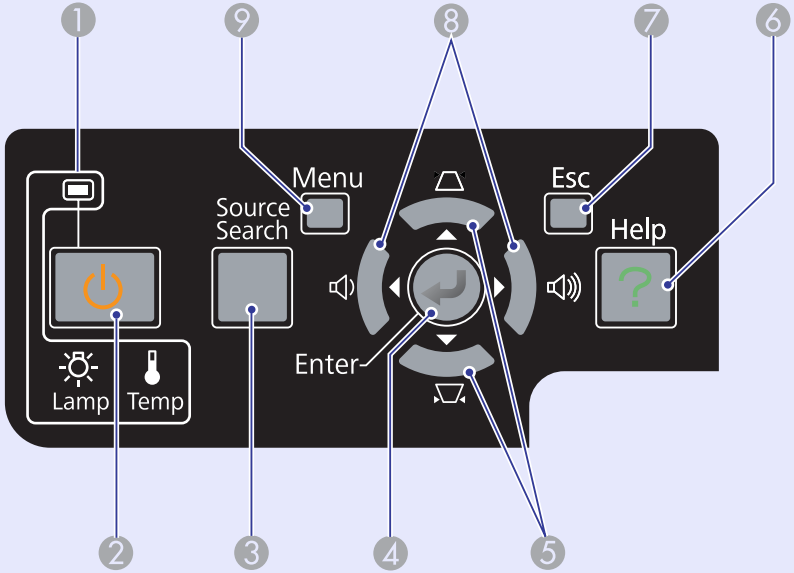
Name	Function
⑦ **USB port (Type A) (EB-1735W/1725/ 1723 only)**	Connects the memory for compatible digital cameras and USBs, and projects image/movie files and scenarios with the PC Free of EasyMP. ☛ p.94
⑧ **USB port (Type B)**	Connects the projector to a computer by a USB cable, and the image on the computer is projected. (EB-1735W/1725/1723 only) ☛ ***Quick Start Guide*** Use this port also to connect with a computer to use the wireless mouse function. ☛ p.27
⑨ **Audio-L/R input port**	For the audio signal of connected equipment. When projecting with the PC Free function of EasyMP, you can output the audio to an external speaker by setting "EasyMP Audio Out" from the configuration menu. (EB-1735W/ 1725/1723 only)
⑩ **Computer (Component Video) input port**	For video signals from a computer and component video signals from other video sources.

Base



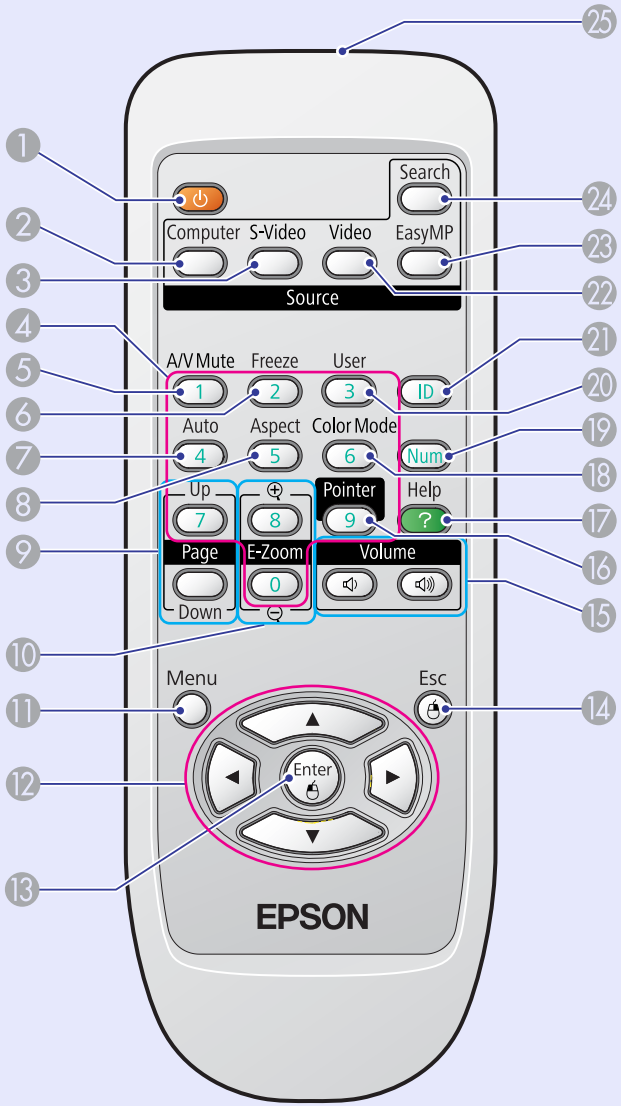
Name	Function
1 **Ceiling mount fixing points (3 points)**	Attach the optional ceiling mount here when suspending the projector from a ceiling. ☛ p.77, 85
2 **Rear foot**	When setup on a desk, turn to extend and retract to adjust the horizontal tilt. ☛ ***Quick Start Guide***
3 **Screw hole for the wireless LAN unit cover**	Screw hole to fix the wireless LAN unit cover. ☛ ***Quick Start Guide***

Control Panel



Name	Function
1 **Status indicators**	The color of the indicators and whether they are flashing or lit indicate the status of the projector. ☛ p.64
2 **[⏻] button**	Turns the projector power on or off. ☛ ***Quick Start Guide***
3 **[Source Search] button**	Changes to the next input source that is connected to the projector and is sending an image. ☛ p.15
4 **[Enter] button**	If pressed during projection of computer signal images, it automatically adjusts the tracking, synchronization, and position to project the optimum image. When a configuration menu or a help screen is displayed, it accepts and enters the current selection and moves to the next level. ☛ p.38
5 **[▱/▲] [▱/▼] buttons**	Corrects keystone distortion. In the following cases, however, these buttons only have the [▲] and [▼] functions. • When the projected image is being sent through a network connection • When the PC Free function is being used for projection If pressed when a configuration menu or a help screen is displayed, these buttons select menu items and setting values. ☛ ***Quick Start Guide,*** p.38
6 **[Help] button**	Displays and closes the help screen which shows you how to deal with problems if they occur. ☛ p.63
7 **[Esc] button**	Stops the current function. If pressed when a configuration menu is displayed, it moves to the previous menu level. ☛ p.38
8 **[🔈/◀] [🔊/▶] buttons**	Adjusts the volume. If pressed while a configuration menu or a help screen is displayed, these buttons only have the [◀] and [▶] functions which select menu items and setting values. ☛ ***Quick Start Guide***, p.38
9 **[Menu] button**	Displays and closes the configuration menu.☛ p.38

Remote Control



Name	Function
1 **[⏻] button**	Turns the projector power on or off. ☛ ***Quick Start Guide***
2 **[Computer] button**	Changes to images from the computer input port. ☛ p.16
3 **[S-Video] button**	Changes to images from the S-video input port. ☛ p.16
4 **Numeric buttons**	Use when specifying password entry or remote control ID. ☛ p.33, p.30
5 **[A/V Mute] button**	Turns the video and audio on or off. ☛ p.18
6 **[Freeze] button**	Images are paused or unpaused. ☛ p.19
7 **[Auto] button**	If pressed during projection of computer signal images, it automatically adjusts the tracking, synchronization, and position to project the optimum image.
8 **[Aspect] button**	The aspect ratio changes each time the button is pressed. ☛ p.20
9 **[Page] buttons (🔼) (🔽)**	Moves to the next/previous slide when using the wireless mouse function, or projecting a PowerPoint file or a scenario from EasyMP as input source. (EB-1735W/1725/1723 only) ☛ ***EasyMP Operation Guide***
10 **[E-zoom] buttons [⊕] [⊖]**	(⊕) Enlarges the image without changing the projection size. (⊖) Reduces parts of images that have been enlarged using the [⊕] button.
11 **[Menu] button**	Displays and closes the configuration menu. ☛ p.38

Name	Function
⑫ **[ ] button**	When a configuration menu or help screen is displayed, it selects menu items and setting values. ☛ p.38, p.63
⑬ **[Enter] button**	When a configuration menu or a help screen is displayed, it accepts and enters the current selection and moves to the next level. ☛ p.38, p.63 Acts as a mouse's left button when using the wireless mouse function.
⑭ **[Esc] button**	Stops the current function. If pressed when a configuration menu is displayed, it moves to the previous level. ☛ p.38, p.63 Acts as a mouse's right button when using the wireless mouse function.
⑮ **[Volume] buttons [ ] [ ]**	( ) Decreases the volume. ( ) Increases the volume. ☛ ***Quick Start Guide***
⑯ **[Pointer] button**	Press to activate the on screen pointer. ☛ p.24
⑰ **[Help] button**	Displays and closes the help screen which shows you how to deal with problems if they occur. ☛ p.63
⑱ **[Color Mode] button**	Each time the button is pressed, the color mode changes. ☛ p.17
⑲ **[Num] button**	Use when entering a password. ☛ p.33

Name	Function
⑳ **[User] button**	Press to assign a frequently used item from the six available Configuration menu items. By pressing the button the assigned menu item selection/adjustment screen is displayed, allowing you to make one-touch settings/ adjustments. ☛ p.43 "Brightness Control" is assigned as the default setting.
㉑ **[ID] button**	Press to set the remote control ID. ☛ p.30
㉒ **[Video] button**	Changes to images from the video input port. ☛ p.16
㉓ **[EasyMP] button**	Changes to the EasyMP image. (EB-1735W/ 1725/1723 only) ☛ p.16 When using EB-1730W/1720, this does not function even if the button is pressed.
㉔ **[Search] button**	Changes to the next input source that is connected to the projector and is sending an image. ☛ p.15
㉕ **Remote control light-emitting area**	Outputs remote control signals.

Useful Functions

This chapter explains useful functions for giving presentations and so on, and the security functions.

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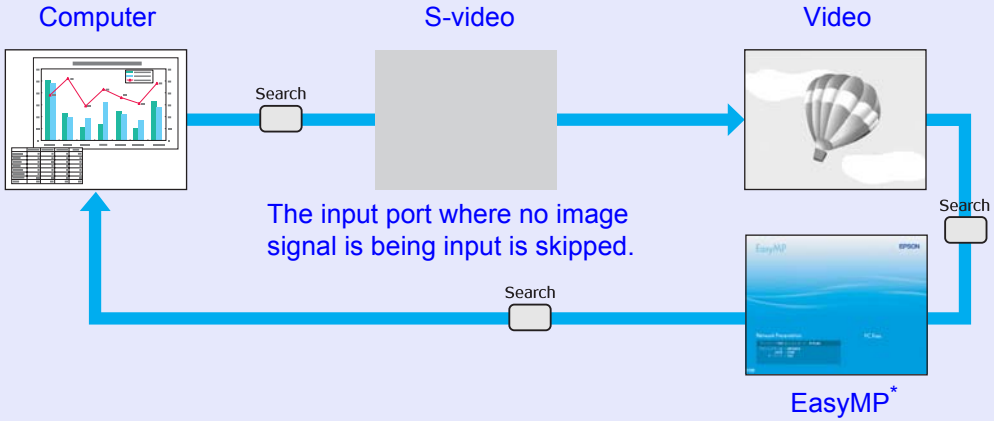
Changing the Projected Image

You can change the projected image in the following two ways.

- Changing by Source Search
  The projector automatically detects signals being input from connected equipment, and the image being input from the equipment is projected.
- Changing directly
  You can use the remote control buttons to change to the target input port.

Automatically Detect Incoming Signals and Change the Projected Image (Source Search)

You can project the target image quickly as input ports with no image signal being input are ignored when you change by pressing the [Source Search] button.

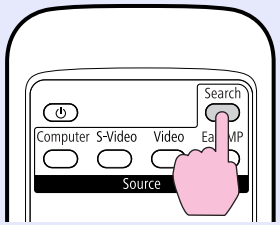


*Only EB-1735W/1725/1723 changes to EasyMP.

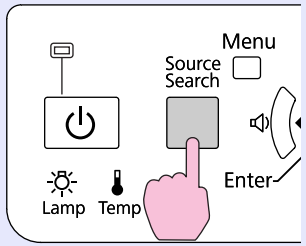
Procedure

When your video equipment is connected, start playback before beginning this operation.

Using the remote control

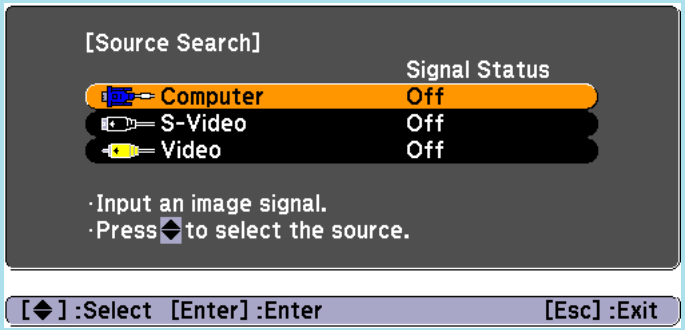


Using the control panel



When two or more pieces of equipment are connected, press the [Source Search] button until the target image is projected.

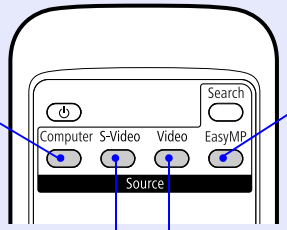
The following screen showing the status of image signals is displayed when only the image that the projector is currently displaying is available, or when no image signal can be found. You can select the input port where the connected equipment you want to use is projecting. If no operation is performed after about 10 seconds, the screen closes.



Changing Directly from the Remote Control

You can change directly to the target image by pressing the following buttons on the remote control.

Remote control



Changes to images from the computer input port.

Changes to the EasyMP image. (EB-1735W/1725/1723 only)
When using EB-1730W/1720, this does not function even if the button is pressed.

Changes to images from the S-video input port.

Changes to images from the video input port.

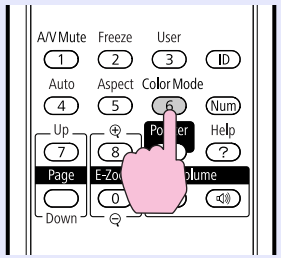
Selecting the Projection Quality (Selecting Color Mode)

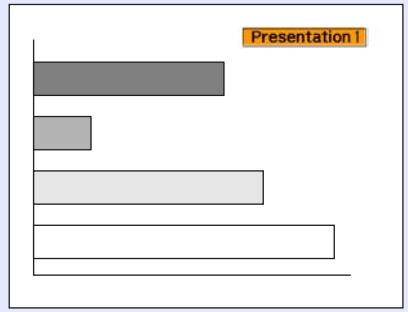
You can easily obtain the optimum image quality simply by selecting the setting that best corresponds to your surroundings when projecting. The brightness of the image varies depending on the mode selected.

Mode	Application
Game	Ideal for use in a bright room. This is the brightest mode, and reproduces shadow tones well. If you are worried about image delays during projection for games involving speed, try turning setting "Progressive" from the configuration menu to "Off". ☛ p.41
Presentation	Ideal for making presentations using color materials in a bright room.
Text	Ideal for making presentations using black-and-white materials in a bright room.
Theatre	Ideal for watching films in a dark room. Gives images a natural tone.
Photo	(When computer images are input) Ideal for projecting still pictures, such as photos, in a bright room. The images are vivid and brought into contrast.
Sports	(When component video, S-video, or composite video images are input) Ideal for watching TV programmes in a bright room. The images are vivid and brought to life.
sRGB	Ideal for images that conform to the sRGB color standard.
Blackboard	Even if you are projecting onto a blackboard (greenboard), this setting gives your images a natural tint, just like when projecting onto a screen.
Customized	Select "Customized" to adjust "R,G,B,C,M,Y" from "Color Adjustment" in the configuration menu. ☛ p.39

Procedure

Remote control





Each time you press the button, the color mode name is displayed on the screen and the color mode changes.

If you press the button while the color mode name is displayed on the screen, it changes to the next color mode.

The color mode can also be set using "Color Mode" in the "Image" menu from the configuration menu. ☛ *p.39*

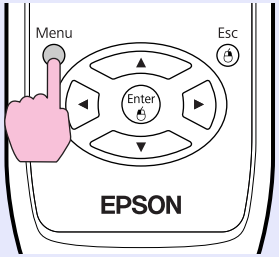
Setting the Auto Iris

By automatically setting the luminance according to the brightness of the displayed image, it lets you enjoy deep and rich images.

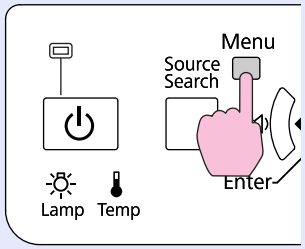
Procedure

1. **Press the [Menu] button and select "Image" - "Auto Iris" from the configuration menu. ☛ "Using the Configuration Menu" p.38**

Using the remote control



Using the control panel



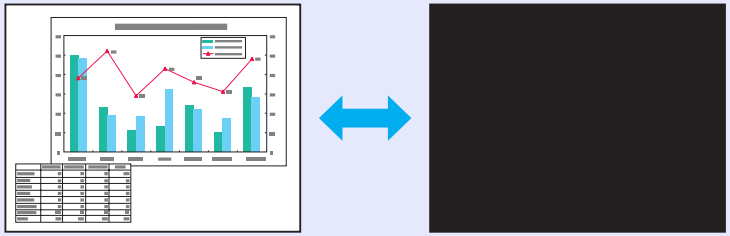
2. **Select "On".**
   The setting is stored for each color mode.

3. **Press the [Menu] button to close the configuration menu.**

> ***Auto Iris can be set only when the color mode is Game, Theatre or Customized.***

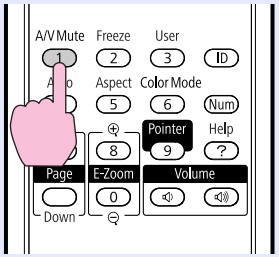
Hiding the Image and Sound Temporarily (A/V Mute)

You can use this when you want to focus the audience's attention on what you are saying, or if you do not want to show details such as when you are changing between files during presentations from a computer.



Procedure

Remote control



Each time you press the button, A/V Mute turns on or off.

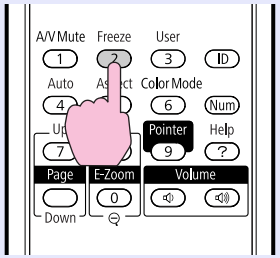
- *If you use this function when projecting moving images, the images and sound continue to be played back by the source, and you cannot return to the point where A/V Mute was activated.*
- *You can choose to display black, blue, or logo as the A/V mute display using the "Extended"-"Display"-"A/V Mute" setting from the configuration menu.* ☛ *p.45*
- *You can set so that the projector automatically turns off about 30 minutes after the A/V mute slide is closed and A/V mute begins. To make the setting, use "Extended" - "Sleep Mode" of the configuration menu.* ☛ *p.46*

Freezing the Image (Freeze)

When the moving image on the screen is frozen, the image continues to project, so you can project a moving image one frame at a time like a still photo. Also, you can perform operations such as changing between files during presentations from a computer without projecting any images if the freeze function is activated beforehand.

Procedure

Remote control



Each time you press the button, Freeze turns on or off.

- *Audio does not stop.*
- *The image source continues to playback the moving images even while the screen is frozen, and so it is not possible to resume projection from the point where it was paused.*
- *If the [Freeze] button is pressed while the configuration menu or a help screen is displayed, the menu or help screen being displayed is cleared.*
- *Freeze still works while E-Zoom is being used.*

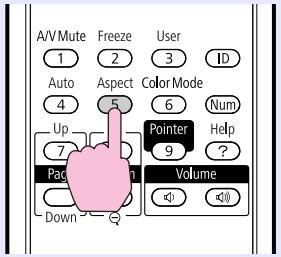
Changing the Aspect Ratio

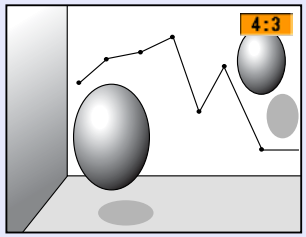
Change the aspect ratio when video equipment is connected so that images that have been recorded in digital video or onto DVDs can be viewed in 16:9 wide-screen format. Change the aspect ration when projecting computer images at full size.
The changing methods and the types of aspect ratio are as follows.

Changing methods

Procedure

Remote control





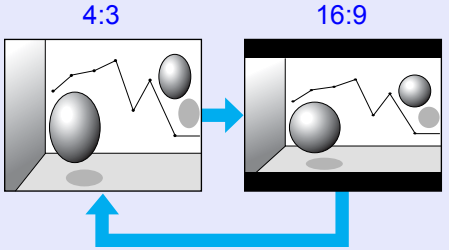
Each time you press the button, the aspect name is displayed on the screen and the aspect changes.

If you press the button while the aspect name is displayed on the screen, it changes to the next aspect mode.

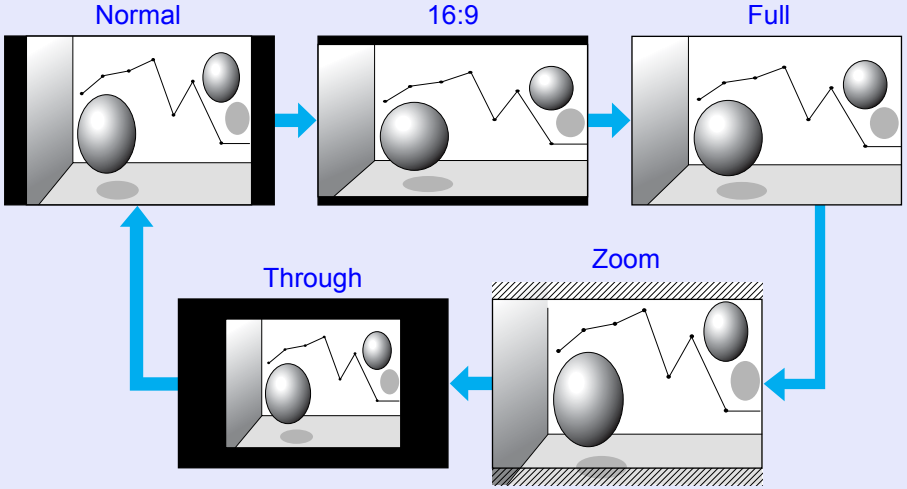
> ***The aspect ratio can also be set using "Aspect" in the "Signal" menu from the configuration menu.*** ☛ *p.41*

Changing the aspect for video equipment images

For EB-1725/1723/1720



For EB-1735W/1730W



Changing the aspect for computer images (For EB-1725/1723/1720)

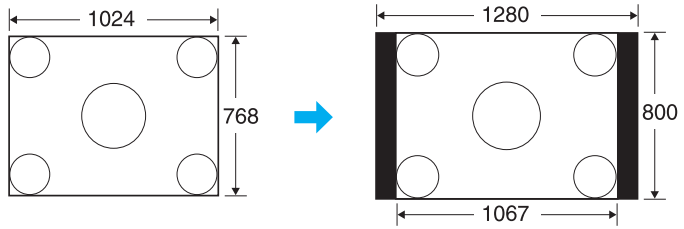
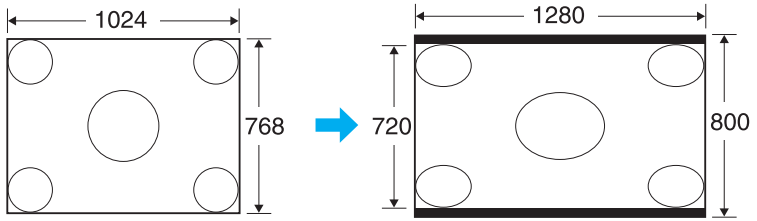
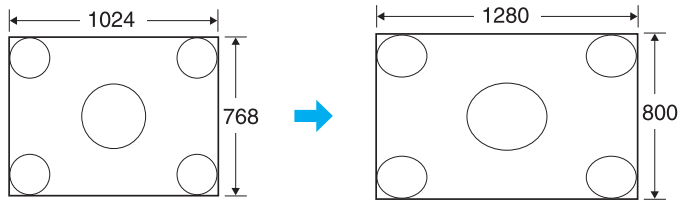
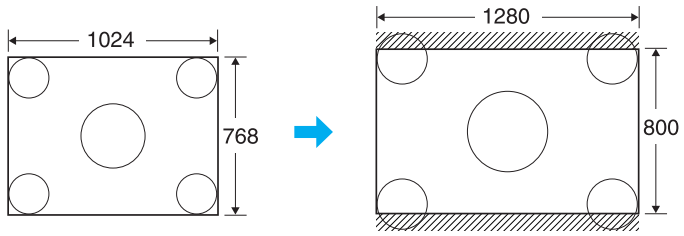
When projecting images input from a computer image input port, you can change the aspect as follows.

Set Values		Operation	Projection example
Normal	**When images are input from the computer input port**	Projects to the full projection size retaining the aspect of the input image.	
4:3		Projects to the full projection size at an aspect of 4:3. This is ideal for when you want to project images at an aspect of 5:4 (1280 × 1024) to the full projection size.	When a 1280 × 1024 signal is input
16:9		Projects at a 16:9 aspect. This is ideal for projecting at full screen size when using a 16:9 screen.	When a 1280 × 1024 signal is input

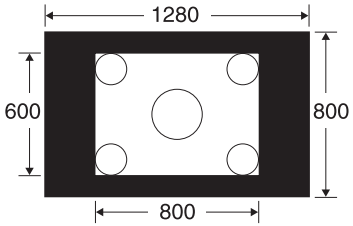
When projecting computer images, if parts of the image are missing or it cannot project everything, set "Wide" or "Normal" in "Resolution" from the configuration menu depending on the size of the computer panel. ☛*p.41*

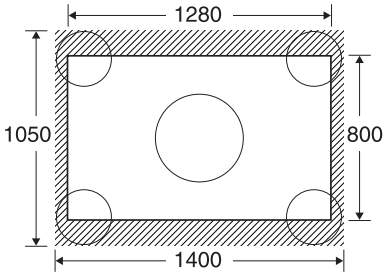
Changing the aspect for computer images (For EB-1735W/1730W)

When projecting images input from a computer image input port, you can change the aspect as follows. EB-1735W/1730W offer WXGA 1280 x 800 resolution (aspect ratio 16:10). When projecting onto 16:9 screens, set the aspect to "16:9".

Set Values		Operation	Projection example
Normal	**When images are input from the computer input port**	Projects to the full projection size retaining the aspect of the input image.	When a 1024 × 768 signal is input 
16:9		Projects to the full projection size at an aspect of 16:9.	When a 1024 × 768 signal is input 
Full		Project at full size.	When a 1024 × 768 signal is input 
Zoom		Projects the input image at the lateral direction aspect size as it is. Parts that extend beyond the projection size are not projected.	When a 1024 × 768 signal is input 

Set Values	Operation	Projection example	
Through	Projects at the resolution of the input image size to the center of the screen. This is ideal for projecting clear images. If the image resolution exceeds 1280 × 800, the edges of the image are not projected.	When an 800 × 600 signal is input	When a 1400 × 1050 signal is input

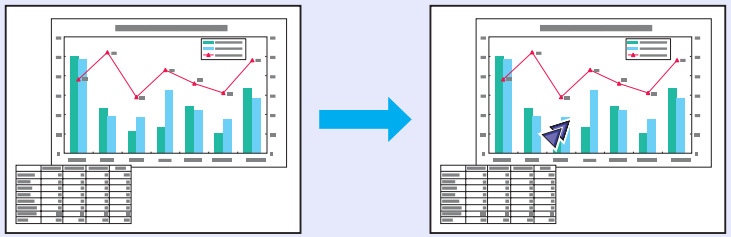




When projecting computer images, if parts of the image are missing or it cannot project everything, set "Wide" or "Normal" in "Resolution" from the configuration menu depending on the size of the computer panel. ☛ *p.41*

Pointer Function (Pointer)

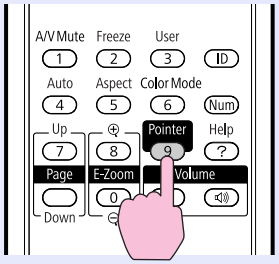
This allows you to move a pointer icon on the projected image, and helps you draw attention to the area you are talking about.



Procedure

1 Display the pointer.

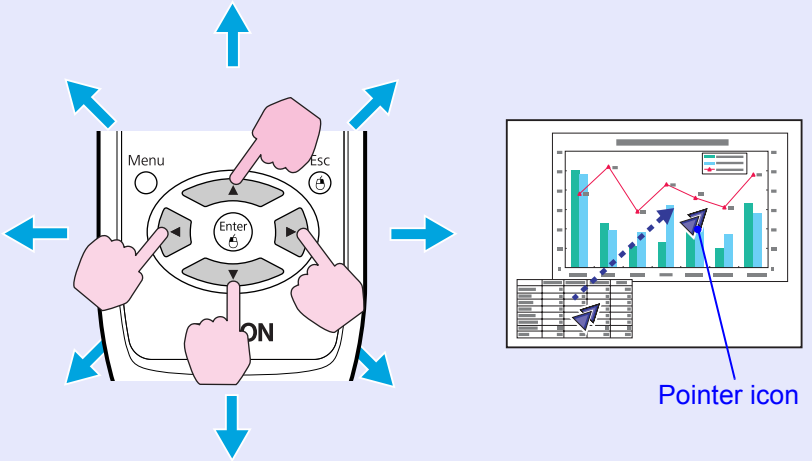
Remote control



Each time you press the button, the pointer appears or disappears.

2 Move the pointer icon.

Remote control

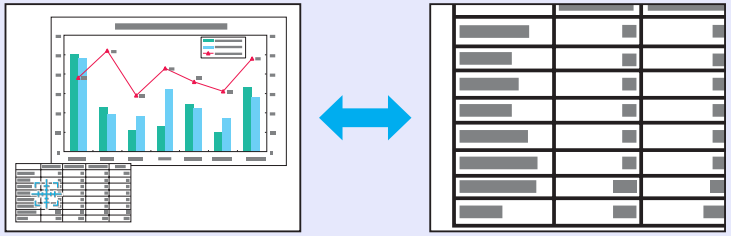


When pressed in conjunction with the adjacent [ ] button, the pointer can be moved diagonally in addition to up/down and left/right.

> ***You can choose from three different kinds of pointer icon (· ·) in "Settings" - "Pointer Shape" from the configuration menu.*** *p.43*

Enlarging Part of the Image (E-Zoom)

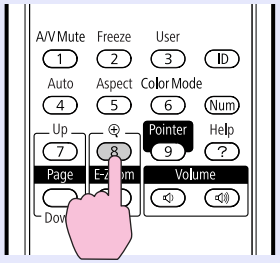
This is useful when you want to expand images to see them in greater detail, such as graphs and tables.



Procedure

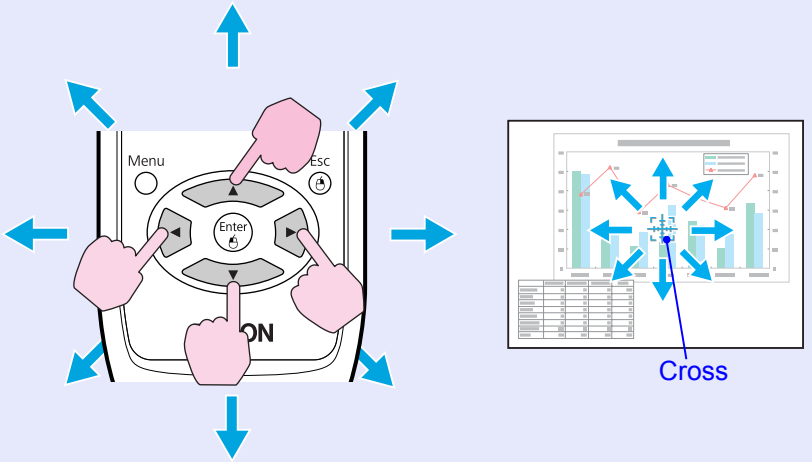
1 Start E-Zoom.

Remote control



2 Move the cross to the area of the image that you want to enlarge.

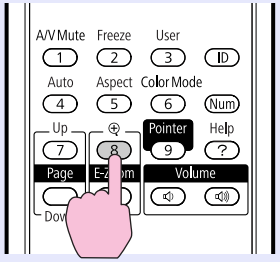
Remote control



When pressed in conjunction with the adjacent [ ] button, the pointer can be moved diagonally in addition to up/down and left/right.

3 Enlarge.

Remote control



Each time the button is pressed, the area is expanded. You can expand quickly by holding the button down.
You can reduce the enlarged image by pressing the [⊖] button.
Press the [Esc] button to cancel.

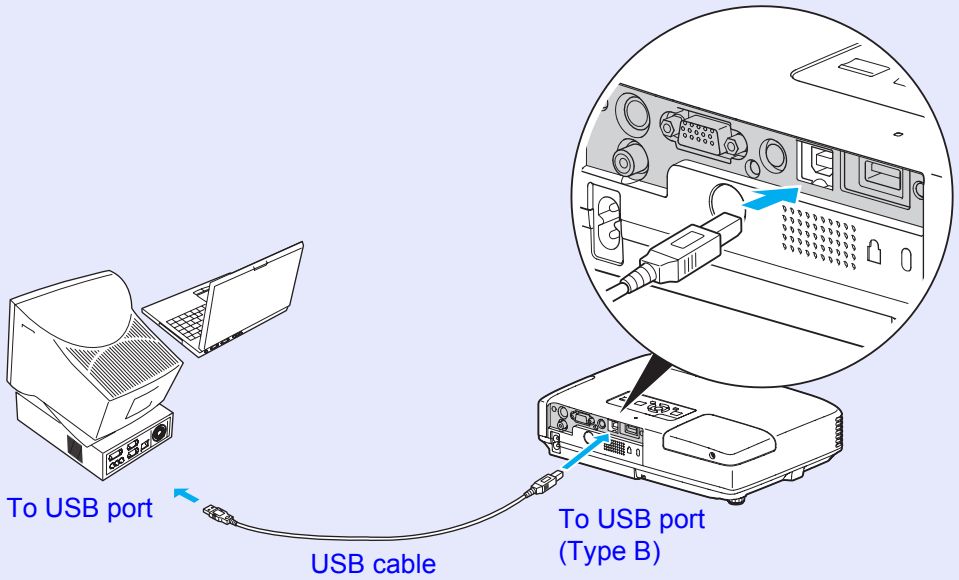
- ***The enlargement ratio appears on the screen. The selected area can be enlarged to between 1 to 4 times in 25 incremental steps.***
- ***Press the [ ] button to scroll the image.***
- ***If E-Zoom is selected when Progressive is being performed, the function currently being performed is temporarily cancelled.***

Using the Remote Control to Operate the Mouse Pointer (Wireless Mouse)

Connect the USB port of a computer and the USB port (TypeB) on the rear of the projector with a commercially available USB cable*. If the "Extended" - "USB TypeB" setting in the configuration menu is set to "Wireless Mouse", you can use the projector's remote control like a wireless mouse to control the computer's mouse pointer. ☛ p.46

Computer
Windows:98/98SE/2000/Me/XP Home Edition/ XP Professional/Vista Home Basic/Vista Home Premium/ Vista Business/Vista Enterprise/Vista Ultimate
Macintosh:OS8.6-9.2/10.0-10.5

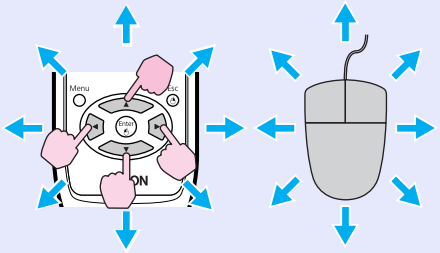
* Supplied with the EB-1735W/1725/1723.



- *It may not be possible to use the mouse function under some versions of both the Windows and Macintosh operating systems.*
- *Some computer settings may have to be changed in order for the mouse function to be used. Consult the documentation for the computer for further details.*

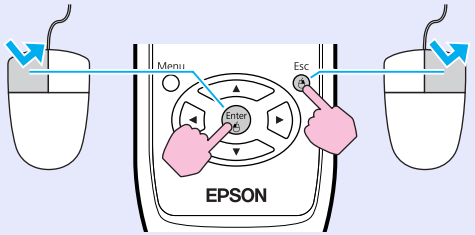
Once the connection has been made, the mouse pointer can be operated as follows.

Moving the mouse pointer



When pressed in conjunction with the adjacent [ ] button, the pointer can be moved diagonally in addition to up/down and left/right.

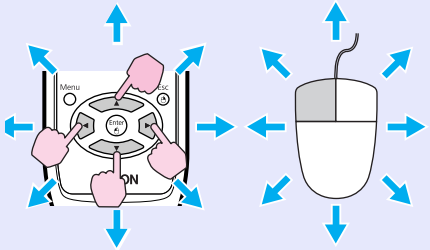
Mouse clicks



Left click Right click

Double-click: Press twice in rapid succession.

Drag and drop

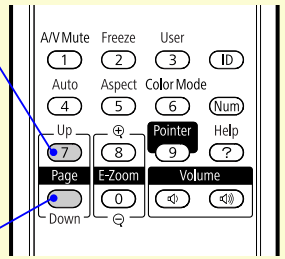


When pressed in conjunction with the adjacent [ ] button, the pointer can be moved diagonally in addition to up/down and left/right.

1. While holding down the [Enter] button, press the [ ] button.
2. Release the [Enter] button to drop at the desired location.

This is useful for displaying the previous or next slide in a PowerPoint slideshow.

To previous slide

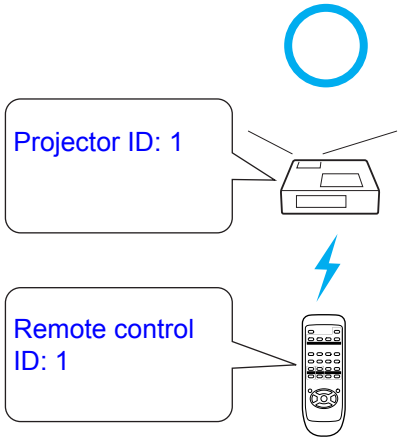
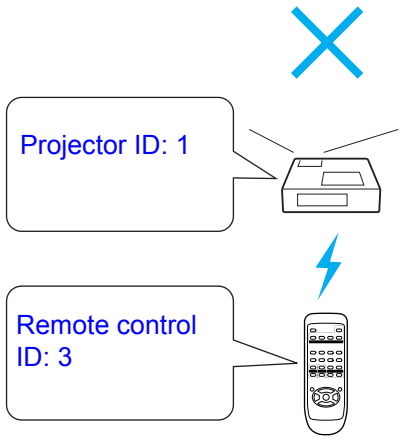
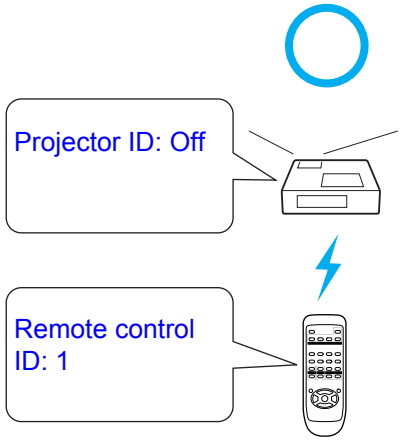
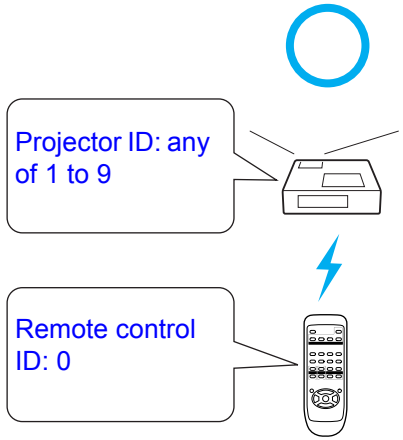


To next slide

- *If the mouse button settings are set to reverse on the computer, the operation of the remote control buttons will also be reversed.*
- *The wireless mouse function cannot be used while the following functions are being used.*
  - *While a configuration menu is being displayed*
  - *While a help menu is being displayed*
  - *While the E-Zoom function is being used*
  - *While a user's logo is being captured*
  - *While a pointer function is being used*
  - *While adjusting sound volume*

Restrictions in the Target Projector when Using Multiple Projectors

When an ID is set for the projector and the remote control, you can use the remote control to operate only the projector with a matching ID. This is very useful when managing multiple projectors.
You can set an ID for the projector within a range of "1" to "9". While the projector's ID setting is "OFF" (default setting), the remote control can be used regardless of the ID setting on the remote control. You can set a projector ID on the remote control within a range of "0" to "9". While the ID setting is "0" (default setting), the remote control can be used regardless of the projector's ID setting. The ID setting on the remote control is reset to "0" each time you switch off the projector.

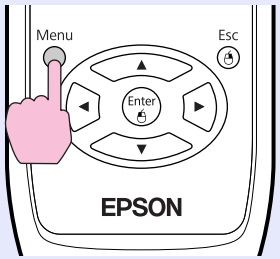
Remote Control: On (enabled)	Remote Control: Off (disabled)	Remote Control: On (enabled)	Remote Control: On (enabled)
			
The ID is matched between the projector and remote control	The ID is mismatched between the projector and remote control	When the projector ID is Off	When the ID setting on the remote control is "0"

Setting the Projector ID

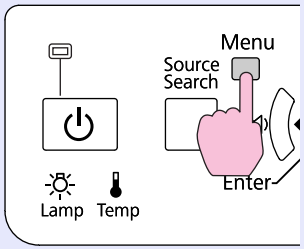
Procedure

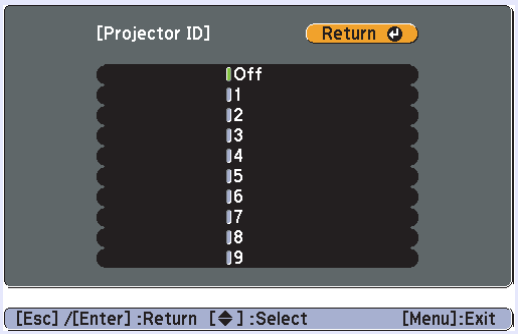
1. **During projection, press the [Menu] button on the projector and select "Extended" - "Projector ID" from the configuration menu. ☛ "Using the Configuration Menu" p.38**

Using the remote control



Using the control panel





2. **Choose the ID you want to set and press the [Enter] button.**

3. **Press the [Menu] button to close the configuration menu.**

Setting the Projector ID on the Remote Control

Set the ID on the remote control each time you switch the projector power on.

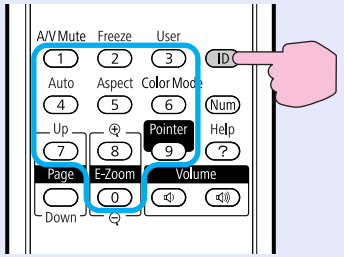
Procedure

During projection, point the remote control at the remote receiver of the target projector. When you press the [ID] button on the remote control, the projector ID and remote control operation On/Off display is shown at the top right of the projection screen.

When remote control operations are enabled:

When the display reads Off

While holding the [ID] button, press a number button to select a number to match the ID of the projector you want to operate.



Keep pressed

Once this setting has been made, the projector that can be operated by the remote control is limited.

Correcting Color for Multiple Projectors (Multi-Screen Color Adjustment)

When multiple projectors are lined up and projecting images, you can correct the brightness and color tone of each projector's image with multi-screen color adjustment so that the colors of images from each projector match closely.
In some cases the brightness and color tone may not match completely even after correction.

Summary of Correction Procedure

When multiple projectors are setup and you need to make corrections, use the following procedure to correct one projector at a time.

1. **Set the projector ID and the remote control ID**
   To limit operation to one target projector, set a Projector ID for the target projector, and set the same ID for the remote control. ☛ p.29
2. **Correct the color difference**
   You can carry out color correction when projecting from multiple projectors. You can adjust from black to white in five stages called levels 1 to 5, and in each of these 5 levels you can adjust the following two points.
   - Correcting brightness
     You can correct the image brightness to make them all equal.
   - Correcting color
     You can adjust the image color to make them match more closely by using "Color Correct. (G/R)" and "Color Correct. (B/Y)".

Correction Method

After setting up the projectors, correct the brightness and tone for each projector to reduce the differences.

Procedure

1. **Press the [Menu] button and select "Extended" - "Multi-screen" from the configuration menu.**
   ☛ **"Using the Configuration Menu" p.38**

2. **Select the level to be corrected in "Adjustment Level".**
   - Each time a level is selected, the pattern of the level selected is displayed.
   - You can start correcting from any level, usually you can make it darker or lighter by correcting 1 to 5 or 5 to 1.

3. **Correct the brightness with "Brightness Correct.".**
   - When you select level 5, it adjusts to the darkest image from multiple projectors.
   - When you select level 1, it adjusts to the brightest image from multiple projectors.
   - When you select level 2 to 4, it adjusts to the mid-range brightness image from multiple projectors.
   - Each time the [Enter] button is pressed the image displayed changes between the pattern display and the actual image, and you can check the correction results and make corrections in the actual image.

4 Correcting "Color Correct. (G/R)" and "Color Correct. (B/Y)".

Each time the [Enter] button is pressed the image displayed changes between the pattern display and the actual image, and you can check the correction results and make corrections in the actual image.

5 Repeat procedures 2 to 4 until corrections are finished.

6 When all corrections are finished, press the [Menu] button to close the configuration menu.

The projector has the following enhanced security functions.

- Password protect
  You can limit who can use the projector.
- Control Panel Lock
  You can prevent people changing the settings on the projector without permission.
- Anti-Theft Lock
  The projector is equipped with various types of anti-theft security devices. ☛ p.8

Managing Users (Password Protect)

When Password Protect is activated, people who do not know the password cannot use the projector to project images even if the projector power is on. Furthermore, the user's logo that is displayed when you turn on the projector cannot be changed. This acts as an anti-theft device as the projector cannot be used even if it is stolen. At the time of purchase, Password Protect is not activated.

Type of Password Protect

The following three kinds of password protect settings can be made according to how the projector is being used.

1. **Power on protect**
   When "Power On Protect" is "On", the password must be entered whenever the projector is turned on after it has been disconnected from the power supply it was connected to the last time the password was entered. If the correct password is not entered, projection does not start.
2. **User's logo protect**
   Even if someone tries to change the user's logo set by the owner of the projector, it cannot be changed. When "User's Logo Protect" is set to "On", the following setting changes for the user's logo are prohibited.
   - Capturing a user's logo
   - Settings for "Display Background", "Startup Screen", and "A/V Mute" from "Display" in the configuration menu.
3. **Network Protect (EB-1735W/1725/1723 only)**
   When "Network Protect" is set to "On" setting changes for "Network" in the configuration menu are prohibited.

Setting Password Protect

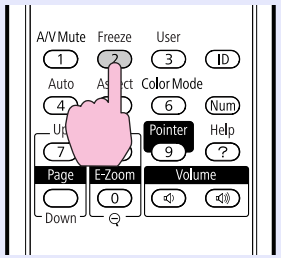
Use the following procedure to set Password Protect.

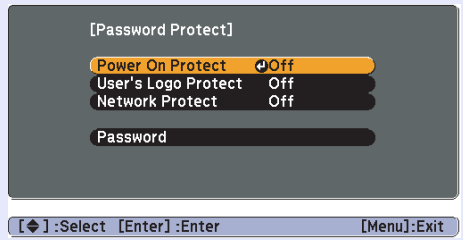
Procedure

1 During projection, hold down the [Freeze] button for about five seconds.

The password protect setting menu is displayed.

Remote control





- ***If Password Protect is already activated, you must enter the password.***
  If the password is entered correctly, the password protect setting menu is displayed. ☛ ***"Entering the Password" p.35***
- ***When the password is set, stick the password protect sticker in a visible position on the projector as a further theft deterrent.***

2 Turn on "Power On Protect".

(1) Select "Power On Protect", and then press the [Enter] button.
(2) Select "On", and then press the [Enter] button.
(3) Press the [Esc] button.

3 Turn on "User's Logo Protect".

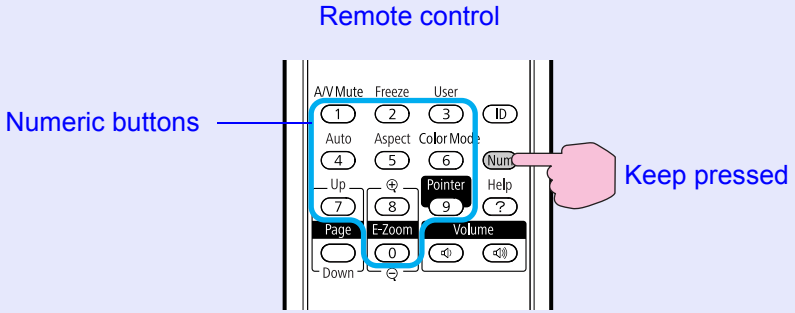
(1) Select "User's Logo Protect", and then press the [Enter] button.
(2) Select "On", and then press the [Enter] button.
(3) Press the [Esc] button.

4 Turn on "Network Protect". (EB-1735W/1725/1723 only)

(1) Select "Network Protect", and then press the [Enter] button.
(2) Select "On", and then press the [Enter] button.
(3) Press the [Esc] button.

5 Set the password.

(1) Select "Password", and then press the [Enter] button.
(2) The message "Change the password?" is displayed, select "Yes" and then press the [Enter] button. The default setting for the password is "0000". Change this to your own desired password. If you select "No", the screen shown in step 1 is displayed again.
(3) While holding down the [Num] button, enter a four digit number using the numeric buttons. The number entered is displayed as "* * * *". When you enter the fourth digit, the confirmation screen is displayed.



(4) Re-enter the password.
The message " Password accepted." is displayed.
If you enter the password incorrectly, a message is displayed prompting you to re-enter the password.

Entering the Password

When the password entry screen is displayed, enter the password using the numeric buttons on the remote control.

Procedure

While holding down the [Num] button, enter the password by pressing the numeric buttons.

When you enter the correct password, projection begins.

Attention

- *If an incorrect password is entered three times in succession, the message "The projector's operation will be locked." is displayed for about five minutes, and then the projector switches to standby mode. If this happens, disconnect the power plug from the electrical outlet and then reinsert it and turn the projector's power 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 the nearest address provided in the Support and Service Guide.* ☛ *Epson Projector Contact List*
- *If you continue to repeat the above operation and input the wrong password thirty times in succession, the following message is displayed and the projector does not accept any more password entries. The projector's operation will be locked. Contact Epson as described in your documentation.* ☛ *Epson Projector Contact List*

Restricting Operation (Control Panel Lock)

Do one of the following to lock the operation buttons on the control panel.

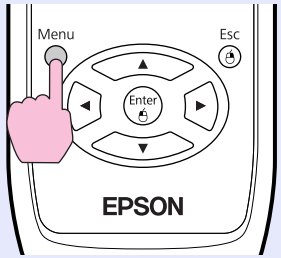
- Full lock
  All of the buttons on the control panel are locked. You cannot perform any operations from the control panel, including turning the power on or off.
- Partial lock
  All of the buttons on the control panel, except for the [⏻] button, are locked.

This is useful at events or shows when you want to deactivate all buttons and only project, or at schools when you want to limit button operation. The projector can still be operated using the remote control.

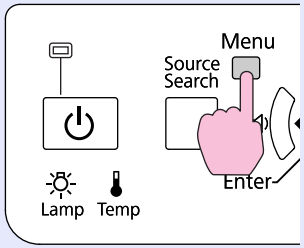
Procedure

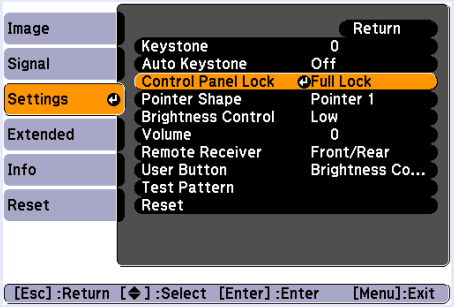
1. **During projection, press the [Menu] button and select "Settings" - "Control Panel Lock" from the configuration menu.** ☛ **"Using the Configuration Menu"** **p.38**

Using the remote control

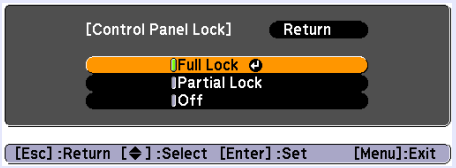


Using the control panel





2 Select either "Full Lock" or "Partial Lock".



3 Select "Yes" when the confirmation message is displayed.

The control panel buttons are locked according to the setting you chose.

You can release the control panel lock by one of the following two methods.

- *From the remote control, select "Off" in "Settings" - "Control Panel Lock" from the configuration menu.*
- *Press and hold down the [Enter] button on the control panel for about seven seconds, a message is displayed and the lock is released.*

Configuration Menu

This chapter explains how to use the configuration menu and its functions.

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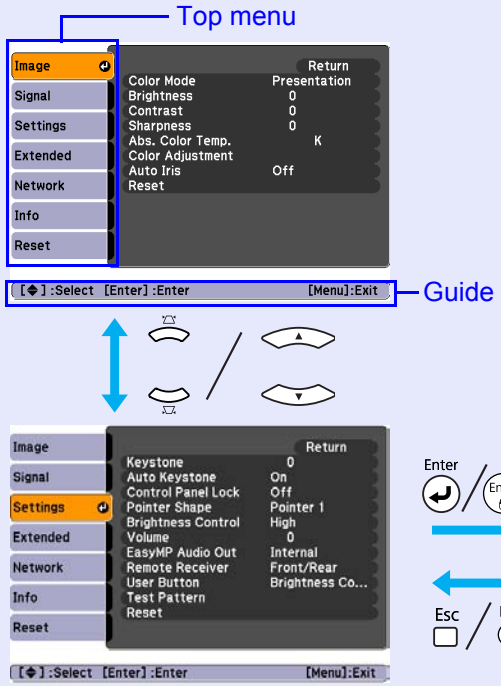
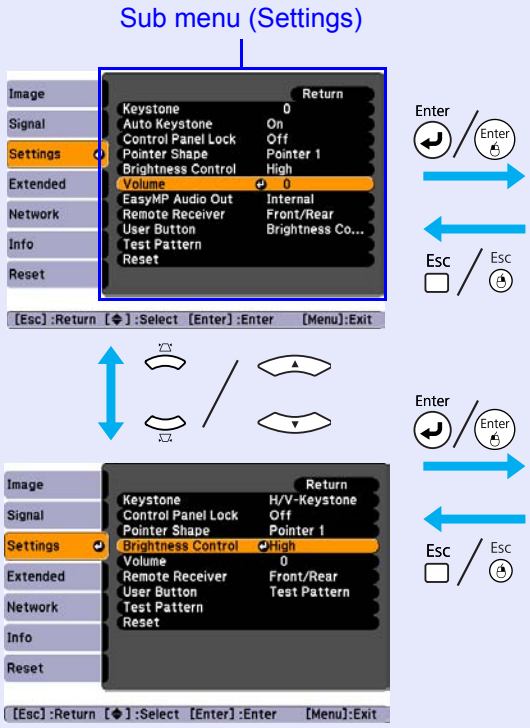
Using the Configuration Menu

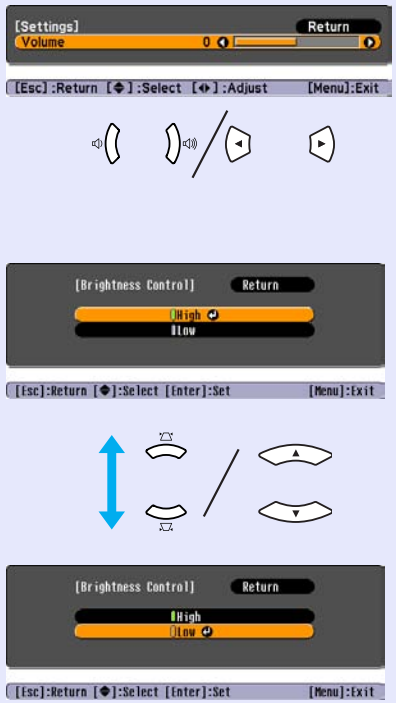
1 Selecting from the top menu



2 Selecting from the sub menu



3 Changing the selected item

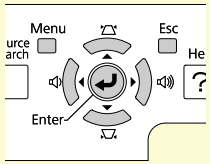


4 Exit

Select the setting to change

Buttons used

Using the control panel



Using the remote control

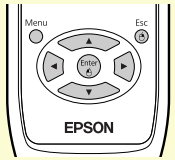
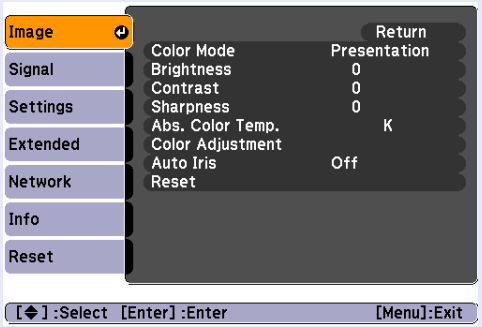


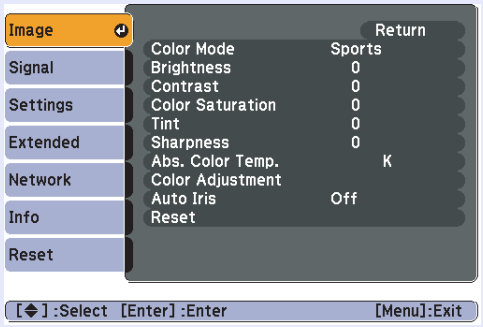
Image Menu

Items that can be set vary depending on the image signal currently being projected as shown in the following screen shots. Setting details are saved for each image signal.

Computer image/EasyMP (EB-1735W/1725/1723 only)



Component video/Composite video/S-video



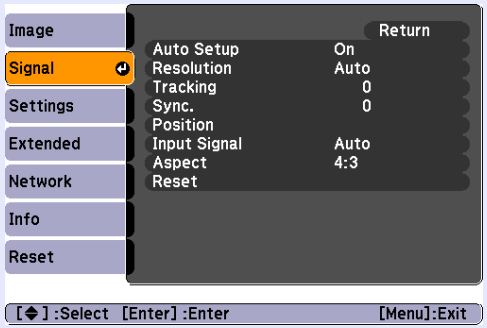
Sub Menu	Function
Color Mode	You can select the quality of the image to suit your surroundings. ☛ p.17
Brightness	You can adjust the image brightness.
Contrast	You can adjust the difference between light and shade in the images.
Color Saturation	You can adjust the color saturation for the images.
Tint	(Adjustment is only possible when NTSC signals are being input if you use composite video/S-video.) You can adjust the image tint.
Sharpness	You can adjust the image sharpness.
Abs. Color Temp.	(This item cannot be selected if "sRGB" is selected as the "Color Mode" setting from the "Image" menu.) You can adjust the overall tint of the image. You can adjust tints in 10 stages from 5000 K to 10000 K. When a high value is selected the image becomes tinged with blue, when a low value is selected the image becomes tinged with red.
Color Adjustment	You can make adjustments by choosing one of the following(This item cannot be selected if "sRGB" is selected as the "Color Mode" setting from the "Image" menu.) Red, Green, Blue: You can adjust the saturation of each color individually. (This item cannot be displayed if "Customized" is selected as the "Color Mode" setting from the "Image" menu.) R, G, B, C, M, Y: You can adjust the hue and saturation of each color R (red), G (green), B (blue), C (cyan), M (magenta), Y (yellow) individually. (This item is only displayed if "Customized" is selected as the "Color Mode" setting from the "Image" menu.)
Auto Iris	(This item is only displayed if "Game", "Theatre" or "Customized" is selected as the "Color Mode" setting from the "Image" menu.) To optimally adjust luminance to match the image, set to On; otherwise set to Off. ☛ p.18

Sub Menu	Function
Reset	You can reset all adjustment values for the "Image" menu functions to their default settings. To return all menu items to their default settings, see ☛ p.61

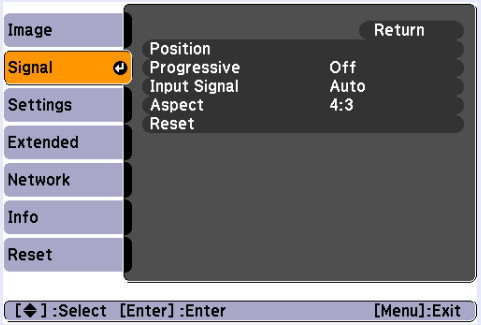
Signal Menu

Items that can be set vary depending on the image signal currently being projected as shown in the following screen shots. Setting details are saved for each image signal.
You cannot make settings on the "Signal" menu when the source is EasyMP. (EB-1735W/1725/1723 only)

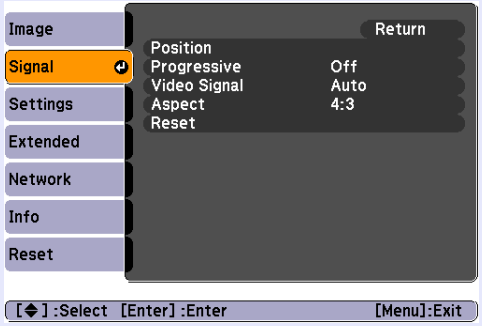
Computer image



Component video



Composite video/S-video

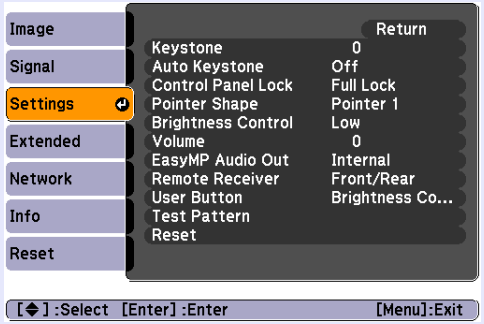


Sub Menu	Function
Auto Setup	You can select whether or not (On/Off) the image is automatically adjusted to the optimum state when the input signal changes. ☛ p.70
Resolution	When set to "Auto", the resolution of the input signal is automatically identified. If the projected images cannot be projected correctly when set to "Auto", such as when some of the image is missing, adjust to "Wide" depending on the connected computer for wide screens, or set to "Normal" for 4:3 or 5:4 screens.
Tracking	You can adjust computer images when vertical stripes appear in the images. ☛ p.70
Sync.	You can adjust computer images when flickering, fuzziness, or interference appear in the images. ☛ p.70
Position	You can adjust the display position up, down, left, and right when a part of the image is missing so that all of the image is projected.
Progressive	(With component video, only 480i/576i signal input can set this.) Off: IP conversion is carried out for each field in the screen. This is ideal for viewing images with a large amount of movement. On: Interlace (i) signal is converted to Progressive (p). Applies to still images.
Input Signal	You can select input signal from computer input port. If set to "Auto" the input signal is set automatically according to the connected equipment. If colors do not appear correctly when set to "Auto", select the appropriate signal according to the connected equipment.
Video signal	You can select input signal from video input port. If set to "Auto", video signals are recognized automatically. If interference appears in the image or a problem occurs such as no image is being projected when set to "Auto", select the appropriate signal according to the connected equipment.
Aspect	You can set the aspect ratio for projected images. ☛ p.20

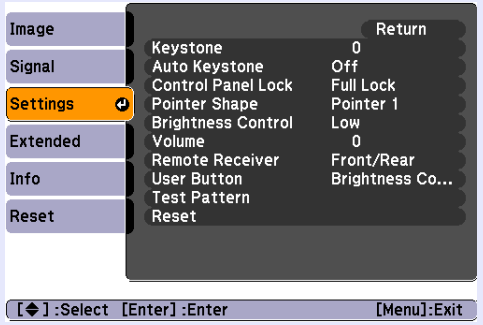
Sub Menu	Function
Reset	You can reset all adjustment values on the "Signal" menu to their default settings, except for "Input Signal". To return all menu items to their default settings, see ☛ p.61

Settings Menu

EB-1735W/1725/1723



EB-1730W/1720

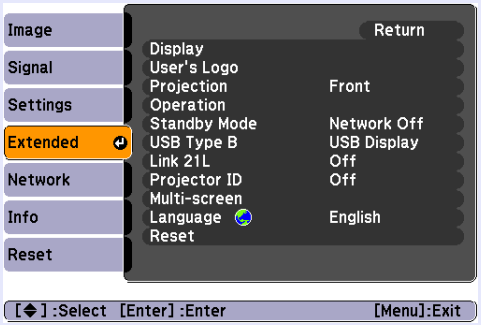


Sub Menu	Function
Keystone	You can correct keystone distortion in the vertical directions. ☛ *Quick Start Guide*
Auto Keystone	Turn "On" to perform Auto Keystone. (Executed only when "Front" is selected from the "Extended" - "Projection" menu.)
Control Panel Lock	You can use this to restrict operation of the projector's control panel. ☛ p.35
Pointer shape	You can select the shape of the pointer. ☛ p.24 Pointer 1: Pointer 2: Pointer 3:
Brightness Control	You can set the lamp brightness to one of two settings. Select "Low" if the images being projected are too bright such as when projecting images in a dark room or onto a small screen. When "Low" is selected, the amount of electricity consumed and the lamp's operating life are changed as follows, and fan rotation noise during projection is reduced. Electrical consumption: about a 25% decrease, lamp life: about 1.3 times longer
Volume	You can adjust the volume. Setting details are saved for each image signal.
EasyMP Audio Out (EB-1735W/1725/1723 only)	When the input source is EasyMP, you can change audio input port to audio output port. Internal: Audio input External: Audio output
Remote Receiver	You can limit the reception of the operation signal from the remote control. When you want to prohibit operation by remote control, or if the remote receiver has a fluorescent light too close to it, you can make settings to deactivate the remote receiver you do not want to use or that is experiencing interference.

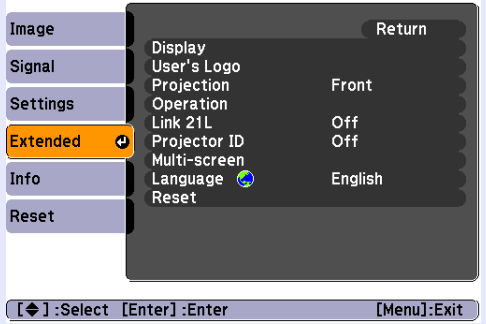
Sub Menu	Function
User Button	You can select the item assigned from the configuration menu with the remote control's [User] button. By pressing the button the assigned menu item selection/adjustment screen is displayed, allowing you to make one-touch settings/adjustments. You can assign one of the following six items to the [User] button. Brightness Control, Info, Progressive, Test Pattern, Multi-screen, or Resolution
Test Pattern	When the projector is setup, a test pattern is displayed so that you can adjust the projection without connecting other equipment. While the test pattern is displayed, zoom, focus adjustments, and keystone correction can be performed. To cancel the test pattern, press the [Esc] button on the remote control or the control panel.
Reset	You can reset all adjustment values on the "Settings" menu to their default settings, except for "User Button". To return all menu items to their default settings, see ☛ p.61

Extended Menu

EB-1735W/1725/1723



EB-1730W/1720



Sub Menu	Function
Display	You can make settings related to the projector's display. Messages: You can set whether or not (On/Off) to display the source name when you change the input source, the color mode name when you change the color mode, a message when no image signal is input, and so on. Display Background*: You can set the screen status for when no image signal is available to "Black", "Blue", or "Logo". Startup Screen*: You can set whether or not (On/Off) the startup screen (the image projected when starting the projector) is displayed. A/V Mute*: You can set the screen displayed during A/V Mute as "Black", "Blue", or "Logo".
User's Logo*	You can change the user's logo that is displayed as a background and displayed during A/V Mute. ☛ p.86
Projection	You can set from the following according to the way the projector is setup. ☛ p.77 Front" "Front/Ceiling" "Rear" "Rear/Ceiling" You can change the setting as follows by pressing down the [A/V Mute] button on the remote control for about five seconds. Front"↔"Front/Ceiling" Rear"↔"Rear/Ceiling"

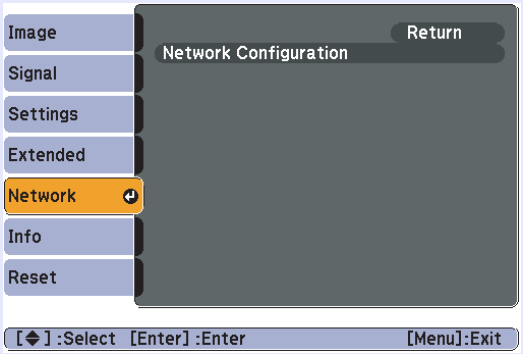
* When "User's Logo Protect" is set to "On" in "Password Protect", settings relating to user's logo cannot be changed. You can make changes after setting "User's Logo Protect" to "Off". ☛ p.33

Sub Menu	Function
Operation	Direct Power On: You can set whether or not (On/Off) to enable Direct Power On. When it is set to "On" and the projector power cable is connected to an electrical outlet, be aware that sudden surges of electricity when power comes back on after a power outage may cause the projector to turn on automatically. Sleep Mode: When set to "On", this automatically stops projection when no image signal is being input and no operations are carried out. Sleep Mode Timer: When Sleep Mode is set to "On", you can set the time before the projector automatically turns off within a range of 1 to 30 minutes. Lens Cover Timer: When set to "On", this turns off the power automatically 30 minutes after the lens cover is closed. Lens Cover Timer is set to "On" at the time of purchase. High Altitude Mode: Set to "On" when using the projector above an altitude of 1500 m.
Standby mode (EB-1735W/1725/1723 only)	You can use network monitoring and control functions while the projector is in standby mode when this is set to "Network On". You can use SNMP to monitor and control the status of the projector over the network, or by using the "EMP Monitor" software supplied with this product.
USB Type B (EB-1735W/1725/1723 only)	Set to "USB Display" when the projector and a computer are connected by a USB cable and computer images are projected. ☛ *Quick Start Guide* Set to "Link 21L" when the mouse pointer is to be operated by the remote control. ☛ p.27
Link 21L	Set "USB Type B" to "Link 21L". When set to "On", you can use the Link 21L utility software.
Projector ID	Set the ID within a range of "1" to "9". "Off" indicates that no ID is set. ☛ p.30
Multi-screen	You can adjust the hue and brightness of each projected image when multiple projectors are lined up and projecting. ☛ p.31 Adjustment Level: You can adjust from black to white in five stages called levels 1 to 5, and in each of these 5 levels you can adjust "Brightness Correct." and "Color Correct". Brightness Correct.: Corrects the difference in the brightness of each product. Color Correct. (G/R) / Color Correct. (B/Y): You can correct the difference in the color of each product.
Language	You can set the language for message displays.
Reset	You can reset "Display*1" and "Operation*2" from the "Extended" menu to their default settings. To return all menu items to their default settings, see ☛ p.61

*1 When "User's Logo Protect" is set to "On" in "Password Protect", settings relating to user's logo cannot be changed. You can make changes after setting "User's Logo Protect" to "Off". ☛ p.33
*2 Except for "High Altitude Mode".

Network Menu (EB-1735W/1725/1723 only)

When "Network Protect" is set to "On" in "Password Protect", a message is displayed and the settings cannot be changed. You can make changes after setting "Network Protect" to "Off". ☛ p.33



Sub Menu	Function
Network Configuration	The following menus are available for setting network items. "Basic", "Wireless LAN", "Security", "Wired LAN", "Mail", "Others", "Reset" and "Setup complete".

By using the Web browser of a computer connected to the projector on a network, you can set the projector's functions and control the projector. This function is called "Web control". You can easily enter text using a keyboard to make settings for Web control such as security settings. ☛EasyMP Operation Guide "Changing Settings Using a Web Browser (Web Control)"

Notes on operating the network menu

Selecting from the top menu and sub menus, and changing of selected items are the same as operations in the configuration menu.
When done, make sure you go to the "Complete menu", and select one of "Yes", "No", or "Cancel". When you select "Yes" or "No", you return to the configuration menu.

Yes: Saves the settings and exits the network menu.

No: Exits to the network menu without saving the settings.

Cancel: Continues displaying the network menu.

Soft keyboard operations

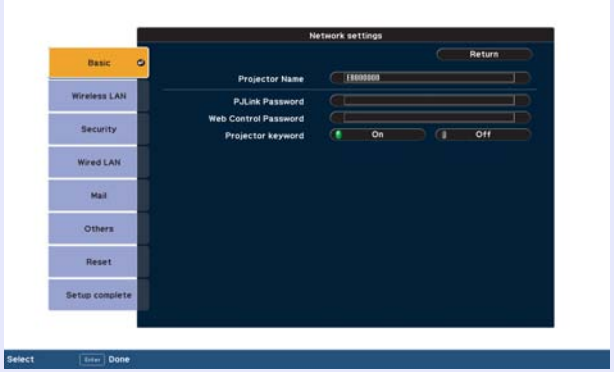
The network menu contains items that require input of alphanumerics during setup. In this case, the following software keyboard is displayed.

Use the [ ] button on the remote control or [/], [/], [/], and [/] on the projector to move the cursor to the desired key, and then press the [Enter] button to enter the alphanumeric. Enter figures by holding down the [Num] button on the remote control, and pressing the numeric buttons. After inputting, press [Finish] on the keyboard to confirm your input. Press [Cancel] on the keyboard to cancel your input.

Each time this key is selected, it sets and changes between upper case and lower case letters.

Each time this key is selected, it sets and changes the symbol keys for the section enclosed by the frame.

Basic Menu



Sub Menu	Function
Projector name	Displays the projector name used to identify the projector when connected to a network. When editing, you can enter up to 16 single-byte alphanumeric characters.
PJLink Password	Set a password to use when you access the projector using compatible PJLink software. ☛ p.102 You can enter up to 32 single-byte alphanumeric characters.
Web Control Password	Set a password to use when making settings and controlling the projector using Web control.*You can enter up to 8 single-byte alphanumeric characters. Web control is a computer function that allows you to set up and control the projector by using the Web browser on a computer connected on a network. ☛ *EasyMP Operation Guide* "Changing Settings Using a Web Browser (Web Control)"
Projector Keyword	When set to "On", you have to enter the keyword when you try to connect the projector to a computer on a network. As a result, you can prevent presentations from being interrupted by unscheduled connections from the computer. Normally this should be set to "ON". ☛ *EasyMP Operation Guide* "Connecting to a Projector on a Network and Projecting"

Wireless LAN menu

Sub Menu	Function
Connection mode	Use EMP NS Connection to set the mode, how the computer connect to the projector. Set to "Quick Connection Mode" when you want make a quick wireless connection. Set to "Advanced Connection Mode" when you want to connect to a network system via an access point.
Setup by WPS	When using a WPS (Wi-Fi Protected Setup) compatible access point via a wireless LAN, you can easily connect the projector to the access point and make security settings. ☛ p.88
Antenna level	Displays the wireless LAN wave strength.
Wireless LAN system	Sets the wireless LAN system.
SSID▸▸	Enter an SSID. When an SSID is provided for the wireless LAN system in which the projector participates, enter the SSID. You can enter up to 32 single-byte alphanumeric characters.
DHCP▸▸	You can set whether or not (On/Off) to use DHCP. If this is set to "On" you cannot set any more addresses.
IP Address▸▸	You can input the IP address assigned to the projector. You can input a number from 0 to 255 in each field of the address. However, the following IP addresses cannot be used. 0.0.0.0, 127.x.x.x, 224.0.0.0 to 255.255.255.255 (where x is a number from 0 to 255)
Subnet Mask▸▸	You can input the subnet mask for the projector. You can input a number from 0 to 255 in each field of the address. However, the following subnet masks cannot be used. 0.0.0.0, 255.255.255.255
Gateway Address▸▸	You can input the IP address for the gateway for the projector. You can input a number from 0 to 255 in each field of the address. However, the following gateway addresses cannot be used. 0.0.0.0, 127.x.x.x, 224.0.0.0 to 255.255.255.255 (where x is a number from 0 to 255)

Sub Menu	Function
MAC Address	Displays the MAC address.
SSID Display	To prevent the SSID from being displayed on the EasyMP Standby screen, set this to Off.
IP Address Display	To prevent the IP address from being displayed on the EasyMP Standby screen, set this to Off.

Security menu

Sub Menu	Function
Security	Select the security type from the items that are displayed. When setting up security, follow the instructions from the administrator of the network system you are about to access.

Type of security

When the specific wireless LAN unit is installed and being used in Manual Mode, it is strongly recommended that you set security. Select one of the following security methods.

- WEP
  Data is encrypted with a code key (WEP key)
  This mechanism prevents communication unless the encrypted keys for the access point and the projector match.
- WPA/WPA2
  This is an encryption standard that improves security which is a weak point of WEP. Although there are multiple kinds of WPA encryption methods, this projector uses "TKIP▸▸". TKIP uses PSK (Pre-Shared Key) to automatically update the encryption key at regular fixed intervals, which makes it harder to break compared to WEP which uses a constant encryption key.
  WPA also includes user authentication functions. WPA authentication provides two methods: using an authentication server, or authenticating between a computer and an access point without a server. This projector supports the latter method, without a server.
- EAP
  EAP is a protocol used for communication between clients and authentication severs. These are multiple protocols, such as EAP-TLS which uses electronic certification for user authentication, LEAP which uses user ID and password, and EAP-TTLS.

System	Authentication
EAP-TLS	Electronic certification, CA certification
EAP-TTLS	User ID, Password
PEAP/MS-CHAPv2	User ID, Password
PEAP/EAP-GTC	User ID, Password
LEAP	User ID, Password
EAP-Fast	User ID, Password

- ***For setting details, follow the directions from the network administrator of your network.***
- ***If using EAP, you need to make settings at the projector that match the authentication server settings. Check with your network administrator for details on RADIUS settings.***
- ***Register an electronic certificate and a CA certificate to the projector. Only one set of an electronic certificate and a CA certificate can be registered to the projector. These certificates are used with EAP-TLS.***

■ When WEP is selected

Sub Menu	Function
WEP encryption	You can set the encryption for WEP encoding. 128 bit: Uses 128 (104) bit encoding 64 bit: Uses 64 (40) bit encoding
Format	You can set the input method for the WEP encrypted key. ASCII: Input text. The method of inputting the encrypted WEP with text differs depending on the access point. Check with the network administrator for the network in which the projector participates, and then set to "ASCII". HEX: Input in hexadecimal.
Key ID	Selects the WEP encryption ID key.
Encrypted key 1/ Encrypted key 2/ Encrypted key 3/ Encrypted key 4	You can enter the key used for WEP encryption. Enter the key in single-byte characters following instructions from the network administrator for the network in which the projector participates. The type of character and the number that can be entered differ according to the "WEP Encryption" and "Format" settings. If the number of characters you enter is shorter than the required character length, no character is encrypted. If the number of characters you enter is longer than the required character length, characters that exceed the permitted number are not encrypted. "128 bit" - "ASCII": Single-byte alphanumerics, 13 characters. "64 bit" - "ASCII": Single-byte alphanumerics, 5 characters. "128 bit" - "HEX": 0 to 9 and A to F, 26 characters "64 bit" - "HEX": 0 to 9 and A to F, 10 characters

■ When WPA-PSK (TKIP) or WPA2-PSK (AES) are selected

Sub Menu	Function
PSK (Encryption key)	You can enter a Pre-Shared Key (encrypted key) in single-byte alphanumeric characters. Enter at least 8 and up to 63 characters. When the Pre-Shared Key is entered and the [Enter] button is pressed, the value is set and displayed as an asterisk (*). You cannot enter more than 32 characters on the configuration menu. When setting from Web Control, you can enter more than 32 characters. ☛ *EasyMP Operation Guide* "Changing Settings Using a Web Browser (Web Control)"

■ When EAP-TLS is selected

Sub Menu	Function
Issued to/Issued by/ Validity period	Information in the certificate is displayed. You cannot enter.

■ When EAP-TTLS/MD5, EAP-TTLS/MS-CHAPv2, PEAP/MS-CHAPv2, PEAP/GTC, LEAP, EAP-Fast/MS-CHAPv2 or EAP-FAST/GTC are selected

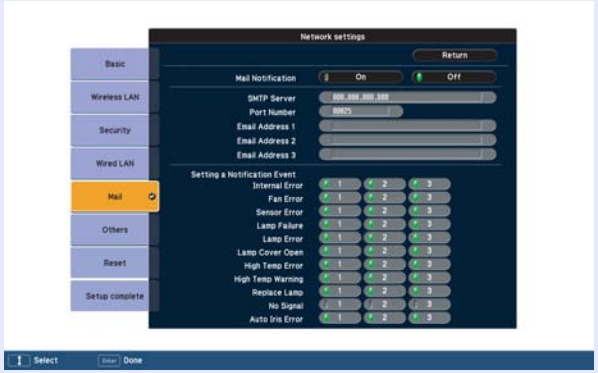
Sub Menu	Function
User name	You can enter a user name to be used for authentication in single-byte alphanumeric characters (no spaces). You can enter up to 64 characters. You cannot enter more than 32 characters on the configuration menu. When setting from Web Control, you can enter more than 32 characters. ☛ *EasyMP Operation Guide* "Changing Settings Using a Web Browser (Web Control)"
Password	You can enter an authentication password in single-byte alphanumeric characters. You can enter up to 64 characters. When the password is entered and the [Enter] button is pressed, the value is set and displayed as an asterisk (*). You cannot enter more than 32 characters on the configuration menu. When setting from Web Control, you can enter more than 32 characters. ☛ *EasyMP Operation Guide* "Changing Settings Using a Web Browser (Web Control)"

Wired LAN Menu

Sub Menu	Function
DHCP▸▸	You can set whether or not (On/Off) to use DHCP. If this is set to "On" you cannot set any more addresses.
IP Address▸▸	You can input the IP address assigned to the projector. You can input a number from 0 to 255 in each field of the address. However, the following IP addresses cannot be used. 0.0.0.0, 127.x.x.x, 224.0.0.0 to 255.255.255.255 (where x is a number from 0 to 255)
Subnet Mask▸▸	You can input the subnet mask for the projector. You can input a number from 0 to 255 in each field of the address. However, the following subnet masks cannot be used. 0.0.0.0, 255.255.255.255
Gateway Address▸▸	You can input the IP address for the gateway for the projector. You can input a number from 0 to 255 in each field of the address. However, the following gateway addresses cannot be used. 0.0.0.0, 127.x.x.x, 224.0.0.0 to 255.255.255.255 (where x is a number from 0 to 255)
MAC Address	Displays the MAC address.
IP Address Display	To prevent the IP address from being displayed on the EasyMP Standby screen, set this to Off.

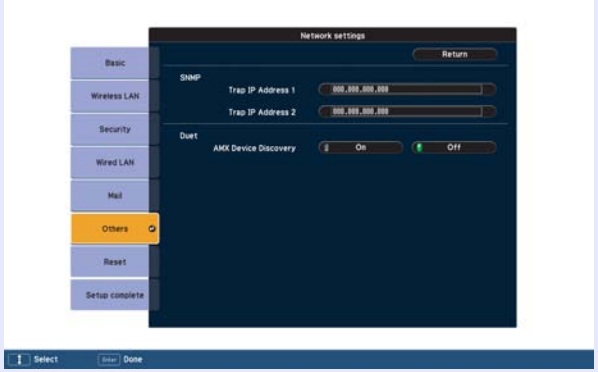
Mail menu

When this is set, you receive an e-mail notification if a problem or warning occurs in the projector. For information on the contents of the sent e-mail,
☛ "Reading Problem Mail Notification Function (EB-1735W/1725/1723 only)" p.98



Sub Menu	Function
Mail Notification function	You can set whether or not (On/Off) to be notified by e-mail.
SMTP server	You can input the IP address for the SMTP server for the projector. You can input a number from 0 to 255 in each field of the address. However, the following IP addresses cannot be used. 127.x.x.x, 224.0.0.0 to 255.255.255.255 (where x is a number from 0 to 255)
Port Number	You can input the port number for the SMTP server. The default value is 25 You can input numbers between 1 to 65535.
Email Address 1/ Email Address 2/ Email Address 3	You can input the e-mail address of the destination to send the notification e-mail to. You can register up to three destinations. You can enter up to 32 single-byte alphanumeric characters for the e-mail addresses.
Setting a Notification Event	You can select the problems or warnings to be notified about by e-mail. When the selected problem or warning occurs in the projector, an e-mail is sent to the specified "Destination address" notifying that a problem or warning has occurred. You can select multiple items from the displayed items.

Others menu



Sub Menu	Function
SNMP trap IP address 1/ SNMP trap IP address 2	You can register up to two for the SNMP trap notification destination. You can input a number from 0 to 255 in each field of the address. However, the following IP addresses cannot be used. 127.x.x.x, 224.0.0.0 to 255.255.255.255 (where x is a number from 0 to 255) To use SNMP to monitor the projector, you need to install the SNMP manager program on your computer. SNMP should be managed by a network administrator.
AMX Device Discovery	When the projector is connected to a network, set this to "On" to allow the projector to be detected by AMX Device Discovery. Set this to "Off" if you are not connected to an environment controlled with a controller from AMX or AMX Device Discovery.

Reset Menu

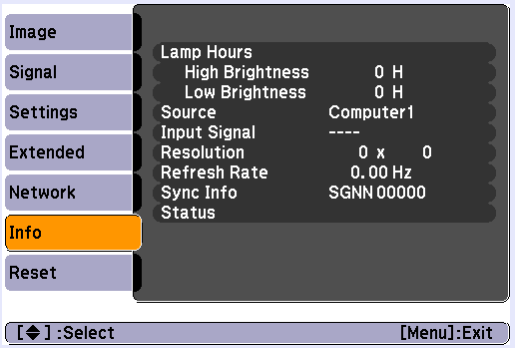
Resets all of the network settings.

Sub Menu	Function
Reset all network settings.	To reset all of the network settings, select Yes. After you reset all the settings, the Basic menu appears.

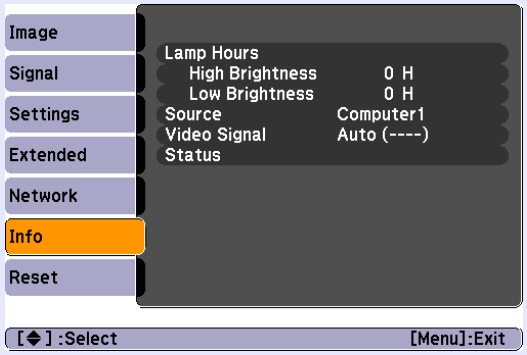
Info Menu (Display Only)

Lets you check the status of the image signals being projected and the status of the projector. Items displayed vary depending on the image signal currently being projected as shown in the following screen shots.

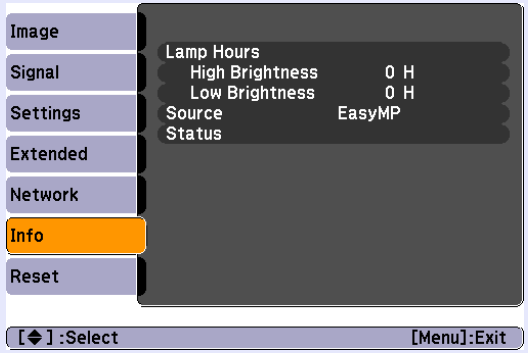
Computer image/Component video



Composite video/S-video



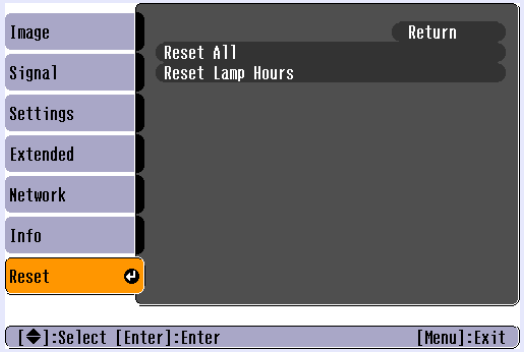
EasyMP(EB-1735W/1725/1723 only)



Sub Menu	Function
Lamp hours	You can display the cumulative lamp operating time*. When it reaches the lamp warning time, the characters are displayed in yellow.
Source	You can display the input port name for the connected equipment currently being projected.
Input signal	You can display the content of "Input Signal" set in the "Signal" menu according to the "Source".
Resolution	You can display the input resolution.
Video signal	You can display the content of "Video Signal" set in the "Signal" menu.
Refresh Rate	You can display the refresh rate.
Sync Info	You can display the image signal information. This information may be needed if service is required.
Status	This is information about errors that have occurred on the projector. This information may be needed if service is required.

* The cumulative use time is displayed as "0H" for the first 10 hours. 10 hours and above is displayed as "10H", "11H", and so on.

Reset Menu



Sub Menu	Function
Reset all	You can reset all items in all menus to their default settings. The following items are not reset to their defaults: "Input Signal", "User's Logo", "Multi-screen", all items for "Network" menus, "Lamp Hours", and "Language".
Reset Lamp Hours	You can clear the cumulative lamp hours use time, and return it to "0H". Reset when you replace the lamp.

Troubleshooting

This chapter describes how to identify problems and what to do if a problem is found.

Using the Help 63

Problem Solving 64

- **Reading the Indicators 64**
  - [⏻] Power indicator lights red 65
  - ☼ 🌡 Indicator is lit or flashing orange 66
- **When the Indicators Provide No Help 67**
  - Problems relating to images 68
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  - Other problems 73

Using the Help

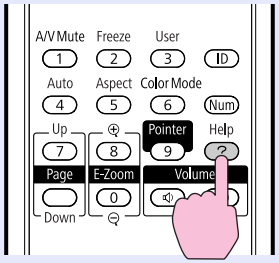
If a problem occurs with the projector, Help uses on-screen displays to assist you in solving the problem. You can solve problems by answering the questions.

Procedure

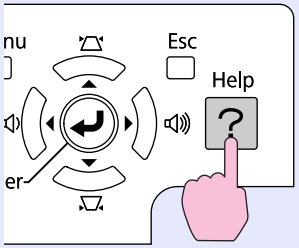
1 Press the [Help] button.

The help screen is displayed.

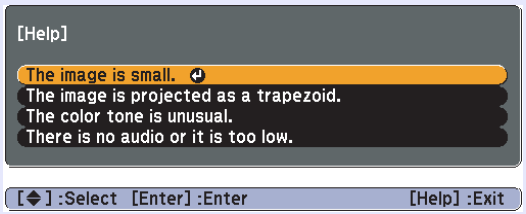
Using the remote control



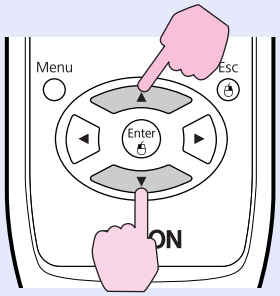
Using the control panel



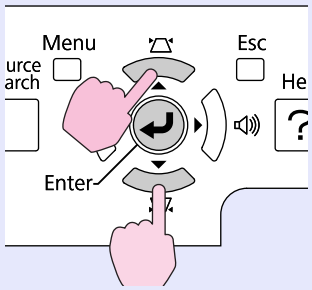
2 Select a menu item.



Using the remote control

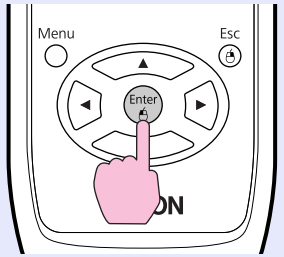


Using the control panel

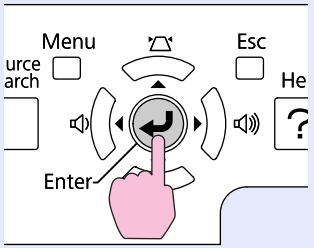


3 Confirm the selection.

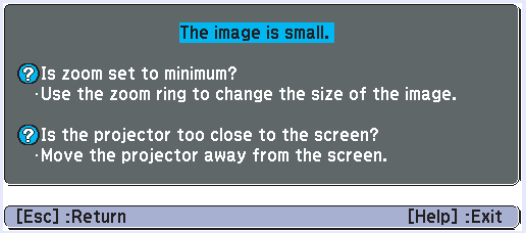
Using the remote control



Using the control panel



Questions and solutions are displayed as shown on the screen below.
Press the [Help] button to exit Help.

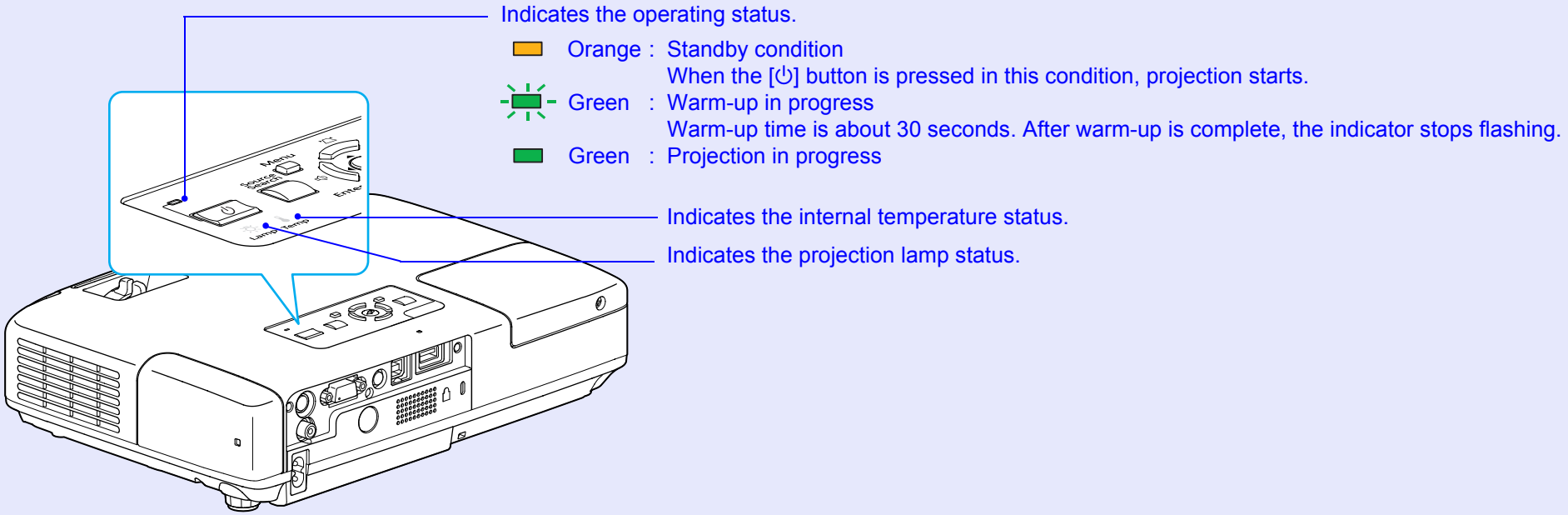


If Help does not provide a solution to the problem, refer to "Problem Solving". *p.64*

If you are having a problem with the projector, first check the projector's indicators and refer to "Reading the Indicators" below.
If the indicators do not show clearly what the problem might be, refer to "When the Indicators Provide No Help". ☛ p.67

Reading the Indicators

The projector is provided with the following three indicators that indicate the operating status of the projector.



Refer to the following table to see what the indicators mean and how to remedy problems that they indicate.
If all indicators are off, check that the power cable is connected correctly and that the power is being supplied normally.
Sometimes, when the power cable is unplugged, the [⏻] indicator remains lit for a short period, this is not a fault.

[⏻] Power indicator lights red **Abnormal**

■ : Lit ■ : Flashing: □ : Off

Status	Cause	Remedy or Status
Red Red Red	Internal Error	Stop using the projector, disconnect the power cable from the electrical outlet, and contact your local dealer or the nearest address provided in the Support and Service Guide. ☛ *Epson Projector Contact List*
Red Red	Fan Error Sensor Error	Stop using the projector, disconnect the power cable from the electrical outlet, and contact your local dealer or the nearest address provided in the Support and Service Guide. ☛ *Epson Projector Contact List*
Red Red	High Temp Error (overheating)	The lamp turns off automatically and projection stops. Wait for about five minutes. After about five minutes the projector switches to standby mode, so check the following two points. • Check that the air filter and air exhaust vent are clear, and that the projector is not positioned against a wall. • If the air filter is clogged, clean or replace it. ☛ p.78, 84 If the error continues after checking the points above, stop using the projector, disconnect the power cable from the electrical outlet, and contact your local dealer or the nearest address provided in the Support and Service Guide. ☛ *Epson Projector Contact List*
		When using at an altitude of 1500 m or more, set "High Altitude Mode" to "On". ☛ p.46
Red Red	Lamp Error Lamp Failure	Check the following two points. • Take out the lamp and check if it is cracked. ☛ p.81 • Clean the air filter. ☛ p.78
		If it is not cracked → Re-fit the lamp and turn on the power. If the error continues → Replace the lamp with a new lamp and turn on the power. If the error continues → Stop using the projector, disconnect the power cable from the electrical outlet, and contact your local dealer or the nearest address provided in the Support and Service Guide. ☛ *Epson Projector Contact List*
		If it is cracked → Replace it with a new lamp, or contact your local dealer for further advice. If replacing the lamp yourself, be careful to avoid pieces of broken glass (you cannot continue projecting until the lamp is replaced). ☛ *Epson Projector Contact List*
		When using at an altitude of 1500 m or more, set "High Altitude Mode" to "On". ☛ p.46

: Lit : Flashing: : Off

Status	Cause	Remedy or Status
Red Red Red	Auto Iris Error	Stop using the projector, disconnect the power cable from the electrical outlet, and contact your local dealer or the nearest address provided in the Support and Service Guide. ☛ *Epson Projector Contact List*

■ Indicator is lit or flashing orange **Warning**

: Lit : Flashing : Off : Varies according to the projector status

Status	Cause	Remedy or Status
Red Orange	High Temp Warning	(This is not an abnormality. However, if the temperature rises too high again, projection stops automatically.) • Check that the air filter and air exhaust vent are clear, and that the projector is not positioned against a wall. • If the air filter is clogged, clean or replace it. ☛ p.78, 84
Orange	Replace Lamp	Replace it with a new lamp. ☛ p.81 If you continue to use the lamp after the replacement period has passed, the possibility that the lamp may explode increases. Replace it with a new lamp as soon as possible.

- ***If the projector is not operating properly, even though the indicators are all showing normal, refer to "When the Indicators Provide No Help". ☛ p.67***
- ***If the error is not indicated in this table, stop using the projector, disconnect the power cable from the electrical outlet, and contact your local dealer or the nearest address provided in the Support and Service Guide. ☛ Epson Projector Contact List***

When the Indicators Provide No Help

If any of the following problems occur and the indicators do not offer a solution, refer to the pages given for each problem.

Problems relating to images

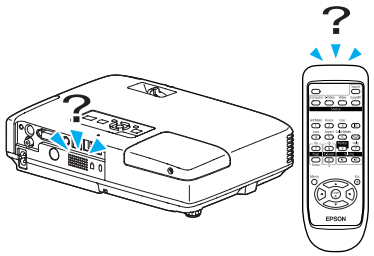
- **No images appear** ☛ p.68
  Projection does not start, the projection area is completely black, the projection area is completely blue, and so on.
- **Moving images are not displayed** ☛ p.68
  Moving images being projected from a computer appear black and nothing is projected.
- **Projection stops automatically** ☛ p.68
- **The message "Not supported." is displayed.** ☛ p.69
- **The message "No Signal."is displayed.** ☛ p.69
- **Images are fuzzy or out of focus** ☛ p.69
- **Interference or distortion appear in images** ☛ p.70
  Problems such as interference, distortion, or black & white checked patterns appear.
- **The image is truncated (large) or small, or the aspect is not suitable** ☛ p.70
  Only part of the image is displayed, or the height and width ratios of the image are not correct, and so on.
- **Image colors are not right** ☛ p.71
  The whole image appears purplish or greenish, images are black & white, colors appear dull, and so on.
  (Computer monitors and LCD screens have different color reproduction performance, so that the colors projected by the projector and the colors appearing on the monitor may not necessarily match, but this is not a sign of a problem.)
- **Images appear dark** ☛ p.71

Problems when projection starts

- **Power does not turn on** ☛ p.72

Other problems

- **No sound can be heard or the sound is faint** ☛ p.73
- **The remote control does not work** ☛ p.73
- **I want to change the language for messages and menus** ☛ p.73
- **E-mail is not received even if a problem occurs in the projector (EB-1735W/1725/1723 only)** ☛ p.74



Problems relating to images

No images appear

Check	Remedy
Did you press the [⏻] button?	Press the [⏻] button to turn the power on.
Are the indicators switched off?	The power cable is not connected correctly or power is not being supplied normally. Connect the projector's power cable correctly. ☛ *Quick Start Guide* Check that your electrical outlet or power source is functioning correctly.
Is A/V Mute active?	Press the [A/V Mute] button on the remote control to cancel A/V Mute. ☛ p.18
Is the A/V mute slide closed?	Open the A/V mute slide. ☛ p.7
Are the configuration menu settings correct?	Reset all of the settings. ☛ "Reset" - "Reset All" p.61
Is the projected image completely black? **Only when projecting computer images**	Some input images, such as screen savers, may be completely black.
Is the image signal format setting correct? **Only when projecting images from a video source**	Change the setting according to the signal for the connected equipment. ☛ "Signal" - "Video Signal" p.41

Moving images are not displayed

Check	Remedy
Is the computer's image signal being output to the LCD and the monitor? **Only when projecting images from a laptop computer or a computer with a built-in LCD screen**	Change the image signal to external output only. ☛ Check your computer's documentation.

Projection stops automatically

Check	Remedy
Is "Sleep Mode" set to "On"?	[Press the [⏻] button to turn the power on. If you do not want to use "Sleep Mode", change the setting to "Off". ☛ "Extended" - "Operation" - "Sleep Mode" p.46

■ The message "Not supported." is displayed.

Check	Remedy
Is the image signal format setting correct? **Only when projecting images from a video source**	Change the setting according to the signal for the connected equipment. ☛ "Signal" - "Video Signal" p.41
Do the image signal resolution and the refresh rate correspond to the mode? **Only when projecting computer images**	Refer to the computer's documentation for how to change the image signal resolution and the refresh rate output from the computer. ☛ "List of Supported Monitor Displays" p.103

■ The message "No Signal."is displayed.

Check	Remedy
Are the cables connected correctly?	Check that all the cables required for projection are securely connected. ☛ *Quick Start Guide*
Is the correct input port selected?	Change the image by pressing the [Source Search] button on the remote control or the control panel. ☛ p.15
Is the power for the computer or video source turned on?	Turn the power on for the equipment.
Are the image signals being output to the projector? **Only when projecting images from a laptop computer or a computer with a built-in LCD screen**	If the image signals are only being output to the computer's LCD monitor or to the accessory monitor, you need to change the output to an external destination as well as the computer's own monitor. For some computer models, when the image signals are output externally, they no longer appear on the LCD monitor or accessory monitor. ☛ Computer's documentation, under a title such as "External output" or "Connecting an external monitor". If the connection is made while the power of the projector or computer is already turned on, the function [Fn] key that changes the computer's image signal to external output may not work. Turn the power for the computer and the projector off and then back on again.

■ Images are fuzzy or out of focus

Check	Remedy
Is the focus adjusted correctly?	Turn the focus ring to adjust the focus. ☛ *Quick Start Guide*
Is the projector at the correct distance?	Is it projecting outside of the recommended projection distance range? Setup within the recommended range. ☛ p.92
Is the Keystone adjustment value too large?	Lower the projection angle to reduce the amount of keystone correction. ☛ *Quick Start Guide*

Check	Remedy
Has condensation formed on the lens?	If the projector is suddenly taken from a cold environment to a warm environment, or if sudden ambient temperature changes occur, condensation may form on the surface of the lens, and this may cause the images to appear fuzzy. Set the projector up in the room about one hour before it is used. If condensation forms on the lens, turn the projector off and wait for the condensation to disappear.

■ Interference or distortion appear in images

Check	Remedy
Is the image signal format setting correct? **Only when projecting images from a video source**	Change the setting according to the signal for the connected equipment. ☛ "Signal" - "Video Signal" p.41
Are the cables connected correctly?	Check that all the cables required for projection are securely connected. ☛ *Quick Start Guide*
Is an extension cable being used?	If an extension cable is used, electrical interference may affect the signals. Use the cables supplied with the projector to check if the cables you are using may be causing the problem.
Is the correct resolution selected? **Only when projecting computer images**	Set the computer so that the signals being output are compatible with the projector. ☛ "List of Supported Monitor Displays" p.103 ☛ Computer documentation
Are the "Sync." ▸▸ and "Tracking" ▸▸ settings adjusted correctly? **Only when projecting computer images**	Press the [Auto] button on the remote control or the [Enter] button on the control panel to perform automatic adjustment. If the images are not adjusted correctly after using automatic adjustment, you can make the adjustments using "Sync." and "Tracking" from the configuration menu. ☛ "Signal" - "Tracking", "Sync." p.41

■ The image is truncated (large) or small, or the aspect is not suitable

Check	Remedy
Is a wide panel computer image being projected? **Only when projecting computer images**	Change the setting according to the signal for the connected equipment. ☛ "Signal" - "Resolution" p.41
Is the image still being enlarged by E-Zoom?	Press the [Esc] button on the remote control to cancel E-Zoom. ☛ p.25
Is "Position" adjusted correctly?	Press the [Auto] button on the remote control or the [Enter] button on the control panel to perform automatic adjustment of the computer image being projected. If the images are not adjusted correctly after using automatic adjustment, you can make the adjustments using "Position" from the configuration menu. Apart from computer image signals, you can adjust other signals while projecting by adjusting "Position" from the configuration menu. ☛ "Signal" - "Position" p.41

Check	Remedy
Is the computer set for dual display? **Only when projecting computer images**	If dual display is activated in the "Display Properties" of the computer's control panel, only about half of the image on the computer screen is projected. To display the entire image on the computer screen, turn off the dual display setting. ☛ Computer video driver documentation
Is the correct resolution selected? **Only when projecting computer images**	Set the computer so that the signals being output are compatible with the projector. ☛ "List of Supported Monitor Displays" p.103 ☛ Computer documentation

■ Image colors are not right

Check	Remedy
Do the input signal settings match the signals from the connected device?	Change the following settings according to the signal for the connected equipment. When image is from a device connected to the computer input port ☛ "Signal" - "Input Signal" p.41 When image is from a device connected to Video or S-Video input port ☛ "Signal" - "Video Signal" p.41
Is the image brightness adjusted correctly?	Adjust the "Brightness" setting from the configuration menu. ☛ "Image" - "Brightness" p.39
Are the cables connected correctly?	Check that all the cables required for projection are securely connected. ☛ *Quick Start Guide*
Is the "contrast▶▶" setting adjusted correctly?	Adjust the "Contrast" setting from the configuration menu. ☛ "Image" - "Contrast" p.39
Is the color adjusted correctly?	Adjust the "Color Adjustment" setting from the configuration menu. ☛ "Image" - "Color Adjustment" p.39
Are the color saturation and tint adjusted correctly? **Only when projecting images from a video source**	Adjust the "Color Saturation" and "Tint" settings from the configuration menu. ☛ "Image" - "Color Saturation", "Tint" p.39

■ Images appear dark

Check	Remedy
Are the image brightness and luminance adjusted correctly?	Adjust the "Brightness" and "Brightness Control" settings from the configuration menu. ☛ "Image" - "Brightness" p.39 ☛ "Settings" - "Brightness Control" p.43
Is the "contrast▶▶" setting adjusted correctly?	Adjust the "Contrast" setting from the configuration menu. ☛ "Image" - "Contrast" p.39
Is the lamp due for replacement?	When the lamp is nearly ready for replacement, the images become darker and the color quality becomes poorer. When this happens, replace the lamp with a new lamp. ☛ p.80

Problems when projection starts

Power does not turn on

Check	Remedy
Did you press the [⏻] button?	Press the ⏻ button to turn the power on.
Are the indicators switched off?	The power cable is not connected correctly or power is not being supplied normally. Disconnect and then reconnect the power cable. ☛ *Quick Start Guide* Check that your electrical outlet or power source is functioning correctly. Check that the lamp cover is securely installed.
Do the indicators turn on and off when the power cable is touched?	There is probably a poor contact in the power cable, or the power cable may be defective. Reinsert the power cable. If this does not solve the problem, stop using the projector, disconnect the power cable from the electrical outlet, and contact your local dealer or the nearest address provided in the Support and Service Guide. ☛ *Epson Projector Contact List*
Is the Control Panel Lock set to "Full Lock"?	Press the [⏻] button on the remote control. If you do not want to use "Control Panel Lock", change the setting to "Off". ☛ "Settings" - "Control Panel Lock" p.35
Is the correct setting for the remote receiver selected?	Check the "Remote Receiver" from the configuration menu. ☛ "Settings" - "Remote receiver" p.43

Other problems

No sound can be heard or the sound is faint

Check	Remedy
Is the audio source connected correctly?	Disconnect the cable from the audio input port, and then reconnect the cable.
Is the volume adjusted to the minimum setting?	Adjust the volume so that sound can be heard. ☛ p.43, ☛ *Quick Start Guide*
Is A/V Mute active?	Press the [A/V Mute] button on the remote control to cancel A/V Mute. ☛ p.18
Is the audio cable's specification "No resistance"?	When using a commercially available audio cable, make sure it is labeled "No resistance".
Have you set the "EasyMP Audio Out" to "External"? (EB-1735W/1725/1723 only)	When using EB-1735W/1725/1723, if "EasyMP Audio Out" on the configuration menu is set to "External", audio is not emitted from the projector's internal speaker. Change the setting to "Internal". ☛ p.43

The remote control does not work

Check	Remedy
Is the remote control light-emitting area pointing towards the remote receiver on the projector when it is operated?	Point the remote control towards the remote receiver. Operating range ☛ *Quick Start Guide*
Is the remote control too far from the projector?	The operating range for the remote control is about 6 m. ☛ *Quick Start Guide*
Is direct sunlight or strong light from fluorescent lamps shining onto the remote receiver?	Set the projector up in a location where strong light does not shine onto the remote receiver. Or set the remote receiver to "Off" from "Remote Receiver" in the configuration menu. ☛ "Settings" - "Remote receiver" p.43
Is the correct setting for the remote receiver selected?	Check the "Remote Receiver" from the configuration menu. ☛ "Settings" - "Remote receiver" p.43
Are the remote control ID and the projector ID matched?	Point the remote control at the remote receiver of the projector you want to operate, and press the [ID] button on the remote control. If the remote control operation does not take effect, switch the projector power off and then power on again. ☛ p.29
Are the batteries dead or have the batteries been inserted correctly?	Make sure the batteries are inserted correctly or replace the batteries with new ones if necessary. ☛ p.79

I want to change the language for messages and menus

Check	Remedy
Change the "Language" setting.	Adjust the "Language" setting from the configuration menu. ☛ p.46

■ E-mail is not received even if a problem occurs in the projector (EB-1735W/1725/1723 only)

Check	Remedy
Is "Standby Mode" set to "Network On"?	To use the Mail Notification function when the projector is in standby, set "Network On" in "Standby Mode" from the configuration menu. ☛ "Extended" - "Standby Mode" p.46
Did a fatal abnormality occur and the projector come to a sudden stop?	When the projector comes to a sudden stop, e-mail cannot be sent. If the abnormal state continues, contact your local dealer or the nearest address provided in the Support and Service Guide. ☛ *Epson Projector Contact List*
Is power being supplied to the projector?	Check that your electrical outlet or power source is functioning correctly.
Is Mail Notification function set correctly in the configuration menu?	Mail Notification function of problems is sent according to the "Mail" settings in the configuration menu. Check if it is set correctly. ☛ "Network Menu" - "Mail Menu" p.57

Appendices

This chapter provides information on maintenance procedures to ensure the best level of performance from the projector for a long time to come.

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Installation Methods

The projector supports the following four different projection methods. Install according to the conditions of the installation location.

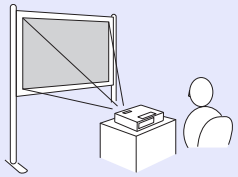
⚠ Caution

- *A special method of installation is required when suspending the projector from a ceiling (ceiling mount). If it is not installed correctly, it could fall causing an accident and injury.*
- *If you use adhesives on the ceiling mount to prevent the screws from loosening, or if you use things such as lubricants or oils on the projector, the projector case may crack causing it to fall from its ceiling mount. This could cause serious injury to anyone under the ceiling mount and could damage the projector.*
  When installing or adjusting the ceiling mount, do not use adhesives to prevent the screws from loosening and do not use oils or lubricants and so on.

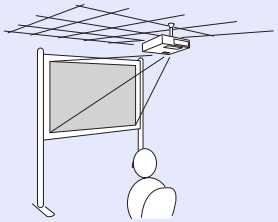
Attention

Do not use the projector on its side. This may cause malfunctions to occur.

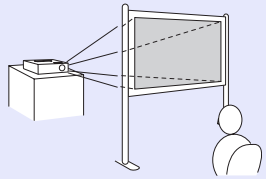
- *Project images from in front of the screen. (Front projection)*



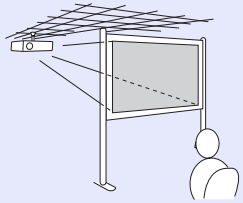
- *Suspend the projector from the ceiling and project images from in front of the screen. (Front/Ceiling projection)*



- *Project images from behind a translucent screen. (Rear projection)*



- *Suspend the projector from the ceiling and project images from behind a translucent screen. (Rear/Ceiling projection)*



- *An optional ceiling mount is required when suspending the projector from a ceiling.* ☛ *p.85*
- *You can change the setting as follows by pressing down the [A/V Mute] button on the remote control for about five seconds.*
  "Front" ↔ "Front/Ceiling"
  Set "Rear" or "Rear/Ceiling" from the configuration menu. ☛ *p.45*

Cleaning

You should clean the projector if it becomes dirty or if the quality of projected images starts to deteriorate.

Cleaning the Projector's Surface

Clean the projector's surface by wiping it gently with a soft cloth.
If the projector is particularly dirty, moisten the cloth with water containing a small amount of neutral detergent, and then firmly wring the cloth dry before using it to wipe the projector's surface.

Attention

Do not use volatile substances such as wax, alcohol, or thinner to clean the projector's surface. The quality of the case may change or become discolored.

Cleaning the Lens

Use a commercially available cloth for cleaning glasses to gently wipe the lens.

Attention

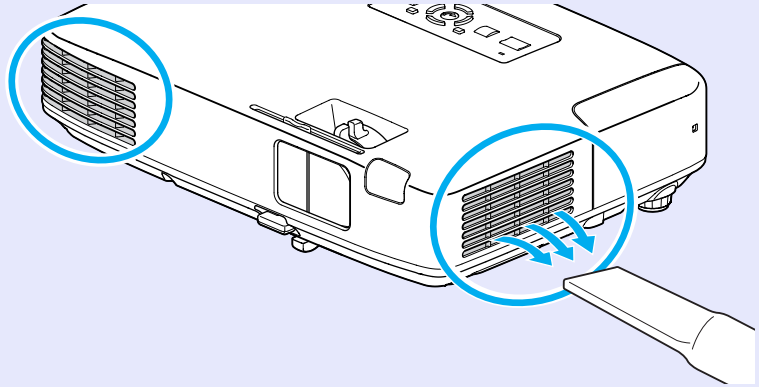
Do not rub the lens with harsh materials or subject the lens to shocks, as it can easily become damaged.

Cleaning the Air Filter

Clean the air filter and the air intake vent when the following message is displayed.
"The projector is overheating. Make sure nothing is blocking the air vent, and clean or replace the air filter."

Attention

- ***If dust collects on the air filter it can cause the internal temperature of the projector to rise, and this can lead to problems with operation and shorten the optical engine's service life. Clean the air filter immediately when the message is displayed.***
- ***Do not rinse the air filter in water. Do not use detergents or solvents.***



- ***If a message is frequently displayed, even after cleaning, it is time to replace the air filter. Replace it with a new air filter.*** ☛ *p.84*
- ***It is recommended that you clean these parts at least once every three months. Clean them more often than this if using the projector in a particularly dusty environment.***

This section explains how to replace the remote control batteries, the lamp, and the air filter.

Replacing the Remote Control Batteries

If delays in the responsiveness of the remote control occur or if it does not operate after it has been used for some time, it probably means that the batteries are becoming flat. When this happens, replace them with new batteries. Have two AA-size manganese or alkaline batteries ready. You cannot use other batteries except for the AA size manganese or alkaline.

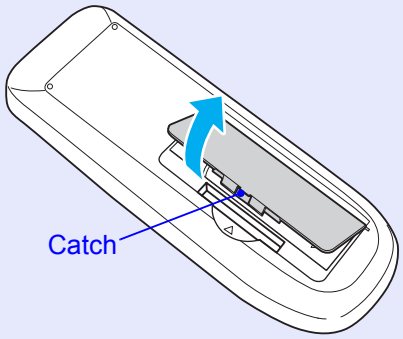
Attention

Make sure you read the Safety Instructions/Support and Service Guide before handling the batteries. ☛ *Safety Instructions*

Procedure

1 Remove the battery cover.

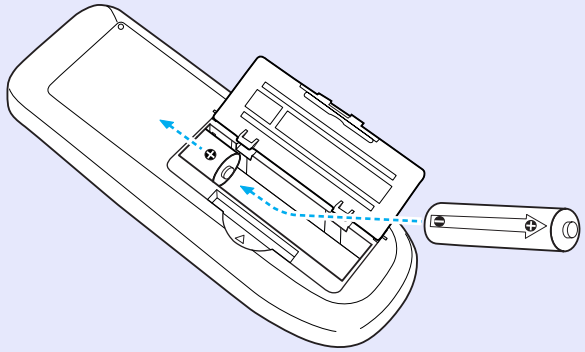
While pushing the battery compartment cover catch, lift the cover up.



2 Replace the old batteries with new batteries.

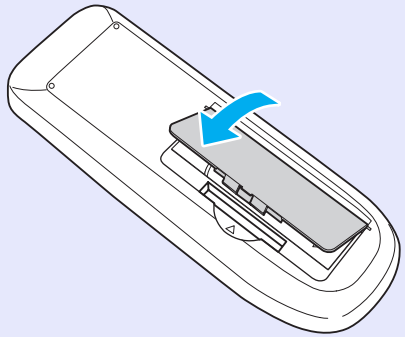
Caution

Check the positions of the (+) and (-) marks inside the battery holder to ensure the batteries are inserted the correct way.



3 Replace the battery cover.

Press the battery compartment cover until it clicks into place.

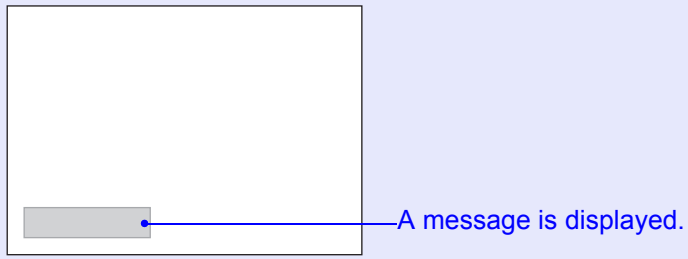


Replacing the Lamp

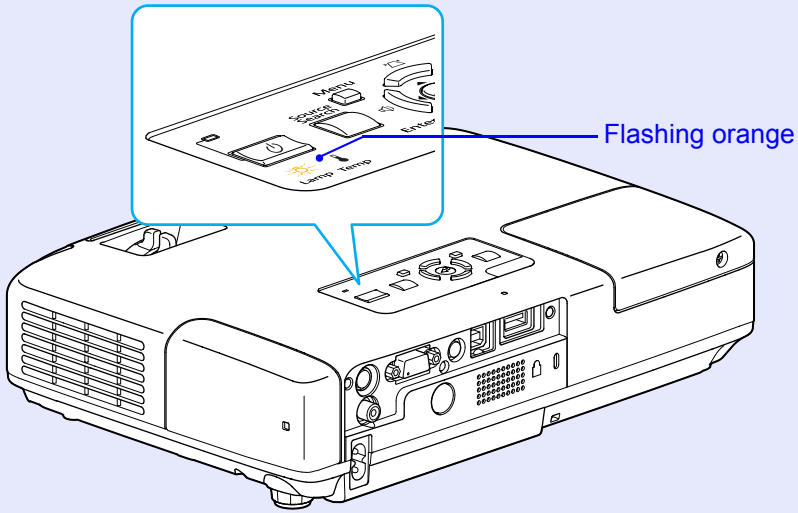
Lamp replacement period

It is time to replace the lamp when:

- The message "Replace the lamp. Replace the lamp. "is displayed when you start projecting.



- The lamp indicator flashes orange.



- The projected image gets darker or starts to deteriorate.

Attention

- *The lamp replacement message is set to appear after the following time periods in order to maintain the initial brightness and quality of the projected images. ☛"Brightness Control" p.43*
  When used continually at high brightness: About 2900 hours
  When used continually at low brightness: About 3900 hours
- *If you continue to use the lamp after the replacement period has passed, the possibility that the lamp may explode increases. When the lamp replacement message appears, replace the lamp with a new one as soon as possible, even if it is still working.*
- *Depending on the characteristics of the lamp and the way it has been used, the lamp may become darker or stop working before the lamp warning message appears. You should always have a spare lamp ready incase it is needed.*

How to replace the lamp

The lamp can be replaced even when the projector is suspended from a ceiling.

⚠ Warning

When replacing the lamp because it has stopped illuminating, there is a possibility that the lamp may be broken.
If replacing the lamp of a projector which has been installed on the ceiling, you should always assume that the lamp is broken, and you should stand to the side of the lamp cover, not underneath it.
Remove the lamp cover gently.

⚠ Caution

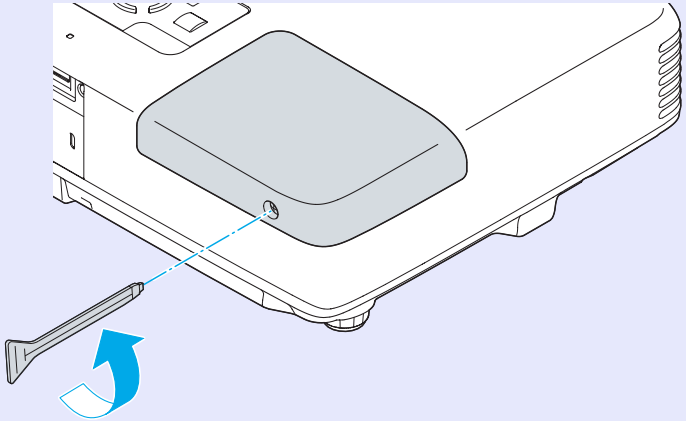
Wait until the lamp has cooled down sufficiently before removing the lamp cover. If the lamp is still hot, burns or other injuries may result. It takes about one hour after the power has been turned off for the lamp to be cool enough.

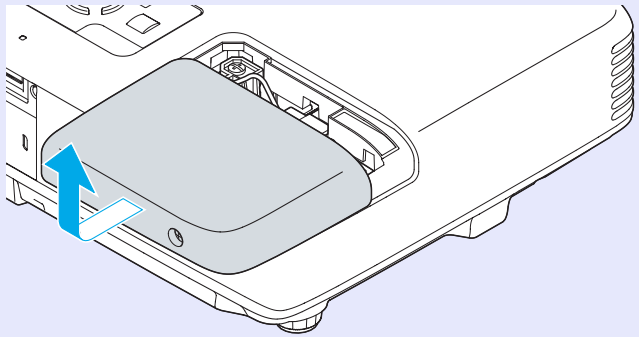
Procedure

1 After you turn off the projector's power and the confirmation buzzer beeps twice, disconnect the power cable.

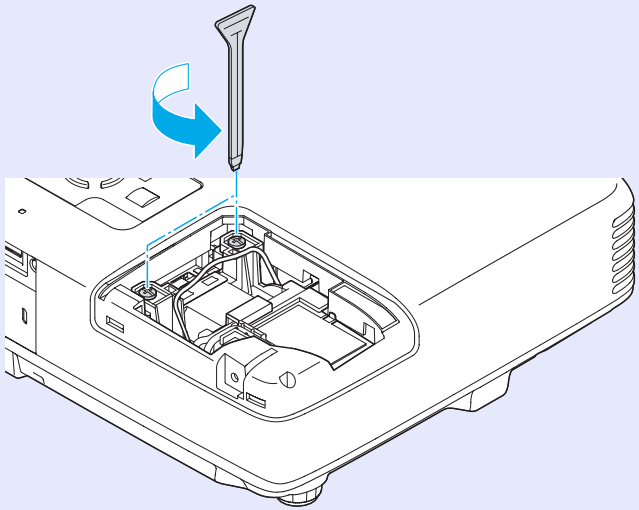
2 Wait until the lamp has cooled down, then remove the lamp cover.

Loosen the lamp cover fixing screw with the screwdriver supplied with the new lamp or a + head screwdriver. Then slide the lamp cover straight forward and lift it to remove.



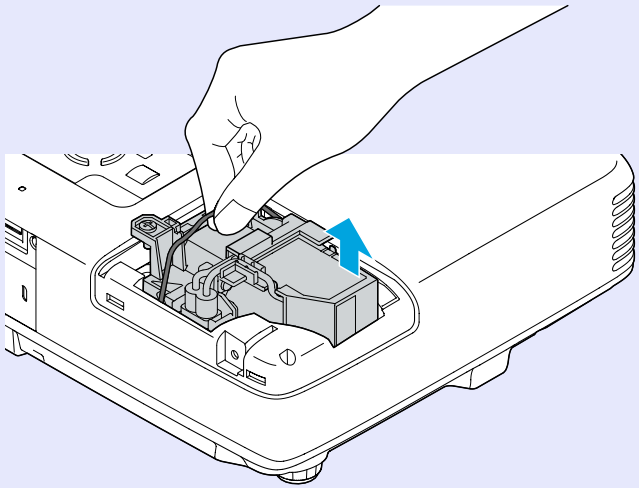


3 Loosen the two lamp fixing screws.



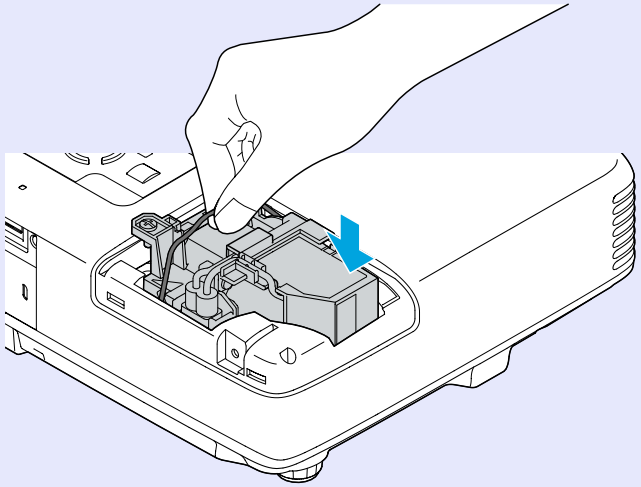
4 Take out the old lamp by pulling the handle.

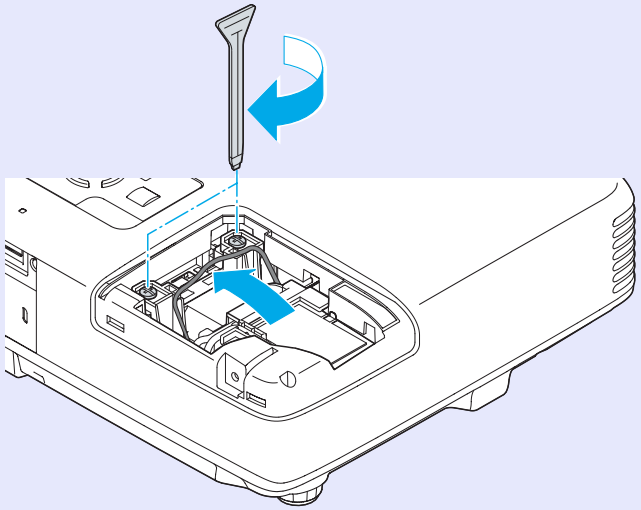
If the lamp is cracked, replace it with a new lamp, or contact your local dealer for further advice. ☛ *Epson Projector Contact List*



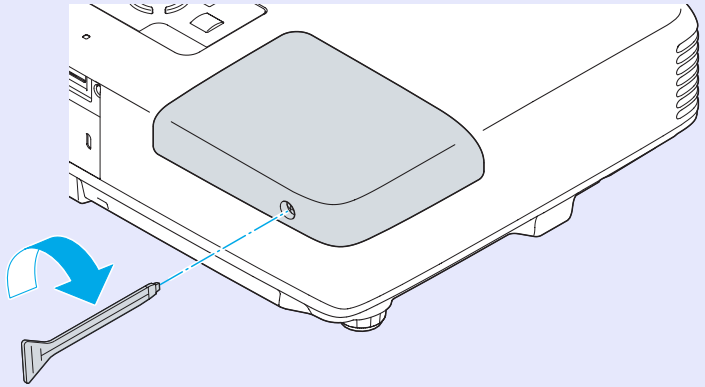
5 Install the new lamp.

Insert the new lamp along the guide rail in the correct direction so that it fits in place, push down firmly at the location marked "PUSH", and once it is fully inserted tighten the two screws. Press the replacement lamp in by the handle until it clicks into place.





6 Replace the lamp cover.



Attention

- ***Make sure you install the lamp securely. If the lamp cover is removed, the lamp turns off automatically as a safety precaution. If the lamp or the lamp cover is not installed correctly, the lamp does not turn on.***
- ***This product includes a lamp component that contains mercury (Hg). Please consult your local regulations regarding disposal or recycling. Do not dispose of it with normal waste.***

Resetting the lamp operating time

The projector records how long the lamp is turned on and a message and indicator notify you when it is time to replace the lamp. After replacing the lamp, make sure you reset the lamp hours from the configuration menu. ☛ p.61

Only reset the lamp operating time after the lamp has been replaced. Otherwise the lamp replacement period is not indicated correctly.

Replacing the Air Filter

Air filter replacement period

It is time to replace the air filter when:

- The air filter has been turned brown.
- The message is displayed even though the air filter has been cleaned.

How to replace the air filter

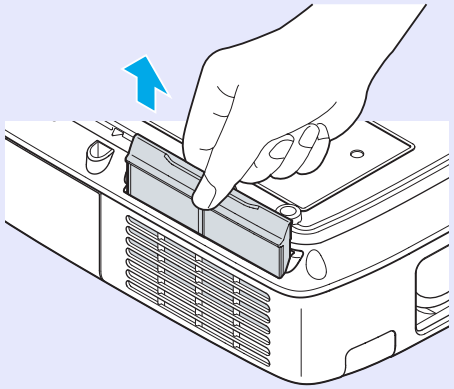
The air filter can be replaced even when the projector is suspended from a ceiling.

Procedure

1 After you turn off the projector's power and the confirmation buzzer beeps twice, disconnect the power cable.

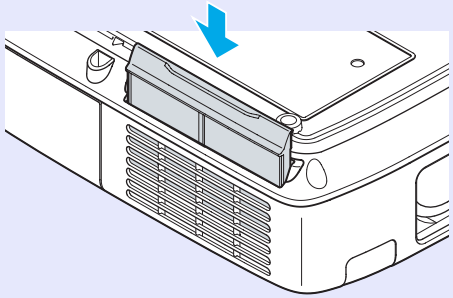
2 Remove the air filter.

Grip the air filter cover tab and pull it straight to outside.



3 Install the new air filter.

Slide the air filter from the outside and press in until it firmly clicks into place.



Dispose of used air filters properly in accordance with your local regulations.
Material of the frame part: Polyphenylene ether, Polystyrene
Material of the filter part: Polyurethane foam

Optional Accessories and Consumables

The following optional accessories and consumables are available. Please purchase these products as and when needed. The following list of optional accessories and consumables is current as of: 2009.10. Details of accessories are subject to change without notice and availability may vary depending on the country of purchase.

Optional accessories

Soft carrying case ELPKS16B Use this case if you need to travel with the projector.
60" portable screen ELPSC07 80" portable screen ELPSC08 100" screen ELPSC10 Portable roll-type screens (Aspect ratio 4:3)
50" portable screen ELPSC06 A compact screen that can be carried easily. (Aspect ratio 4:3)
HD-15 cable ELPKC02 (1.8 m - for mini D-Sub15-pin/mini D-Sub 15pin) This is the same as the computer cable supplied with the projector.
HD-15 cable ELPKC09 (3 m - for mini D-Sub15-pin/mini D-Sub 15pin) HD-15 PC cable ELPKC10 (20 m - for mini D-Sub15-pin/mini D-Sub 15pin) Use one of these longer cables if the computer cable supplied with the projector is too short.
Component video cable ELPKC19 (3 m - for mini D-Sub 15-pin/RCA male×3) Use to connect a component video source
Ethernet unit ELPAP02B Use this when connecting to a network by using a LAN cable.
Ceiling pipe (450 mm (18 in.))* ELPFP13 Ceiling pipe (700 mm (28 in.))* ELPFP14 Use when installing the projector on a high ceiling.
Ceiling mount* ELPMB23 Use when installing the projector on a ceiling.
Wireless LAN unit ELPAP03 Use when connecting the projector to a computer wirelessly and projecting.
Quick Wireless Connection USB key ELPAP04 Use this key to connect to a Windows computer and project images from the computer. However, the projector needs to be connected to a network before it can be used.

* A special method of installation is required to suspend the projector from a ceiling. Contact your dealer or the nearest address provided in the *Support and Service Guide* if you want to use this installation method. ☛ *Epson Projector Contact List*

Consumables

Lamp unit ELPLP48 Use as a replacement for used lamps.
Air filter (by 2) ELPAF19 Use as a replacement for used air filters.

Saving a User's Logo

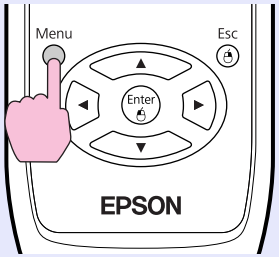
You can save the image that is currently being projected as a user's logo.

> ***When a user's logo is saved, the previous user's logo is erased.***

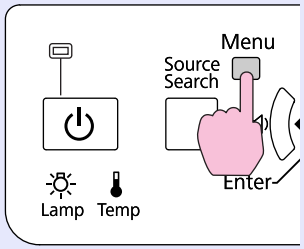
Procedure

1 Project the image you want to use as the user's logo, and then press the [Menu] button.

Using the remote control

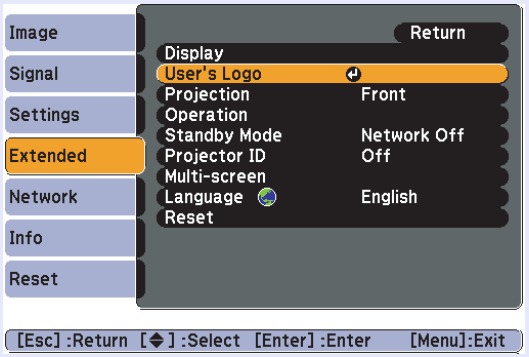


Using the control panel



2 Select "Extended" - "User's Logo" from the configuration menu. ☛ "Using the Configuration Menu" p.38

Check the buttons you can use and the operations they perform in the guide under the menu.



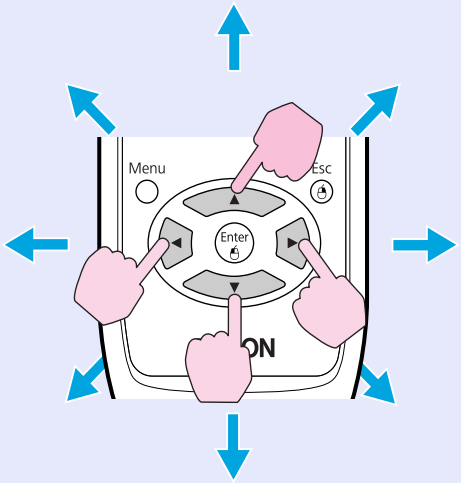
> - ***If "User's Logo Protect" from "Password Protect" is set to "On", a message is displayed and the user's logo cannot be changed. You can make changes after setting "User's Logo Protect" to "Off". ☛p.33***
> - ***If "User's Logo" is selected when Keystone, E-Zoom, Aspect, or Progressive are being performed, the function currently being performed is cancelled.***

3 When "Choose this image as the User's Logo?" is displayed, select "Yes".

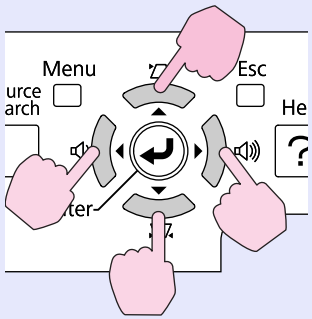
> ***When you press the [Enter] button on the remote control or the control panel, the screen size may change according to the signal as it changes to the resolution of the image signal. The image is recorded and a selection marquee box is displayed.***

4 Move the box to select the part of the image to use as the user's logo.

Using the remote control



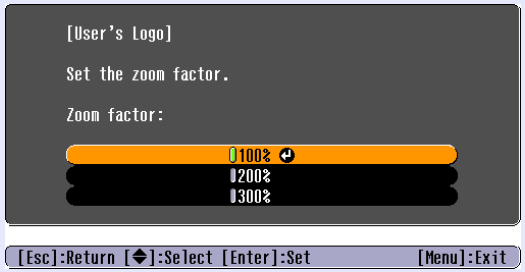
Using the control panel



You can save at up to 400 × 300 dots in size.

5 When "Select this image?" is displayed, select "Yes".

6 Select the zoom factor from the zoom setting screen.



7 When the message "Save this image as the User's Logo?" is displayed, select "Yes".

The image is saved. After the image has been saved, the message "Completed." is displayed.

- *Once a user's logo has been saved, the logo cannot be returned to the factory default.*
- *Saving the user's logo may take approximately 15 seconds. Do not use the projector or any connected equipment while it is saving, otherwise malfunctions may occur.*

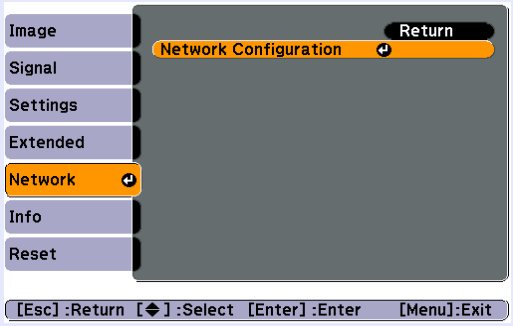
There are two methods for setting WPS.

- •Push Button Method
  SSID and security are set automatically when the [Enter] button is pressed on the projector's control panel and the dedicated button on the access point equipment. This method is recommended when the projector and access point are close together.
- •PIN Code Method
  SSID and security are set automatically by inputting an 8-digit code that was assigned to the projector from the computer to the access point in advance. Make connection settings between the computer and the access point in advance. For details on how to make this connection, refer to the manual provided with the access point. This method is recommended when the projector is mounted on the ceiling.

Connection Setup Method

Procedure

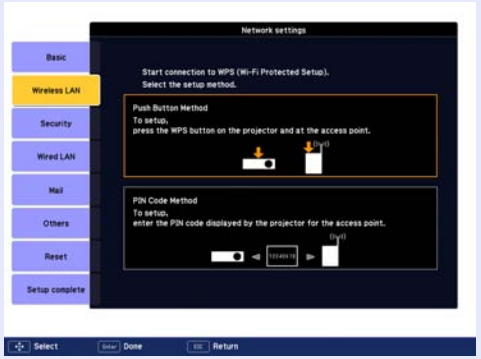
1 Press the [Menu] button on the projector, and then select "Network" - "Network Configuration" from the configuration menu.



The Network Configuration screen is displayed.

2 From "Wireless LAN" select "Setup Wizard".

The following screen is displayed.

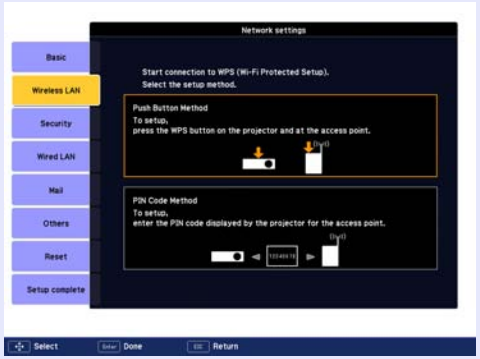


When connecting using the Push Button Method, follow the steps given below.
Go to "Making a connection using the PIN Code Method" when connecting using the "PIN Code Method". ☛ p.90

Making a Connection Using the Push Button Method

Procedure

1 Select "Push Button Method".

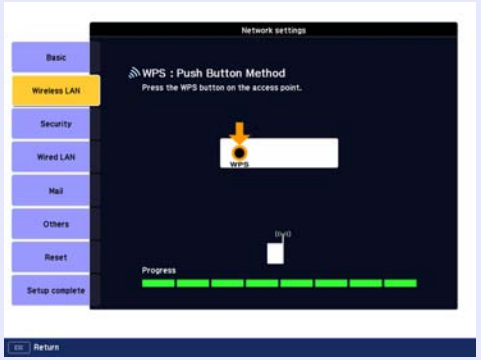


The Push Button Method screen is displayed.

2 Press the [Enter] button on the projector's control panel when prompted by the screen.

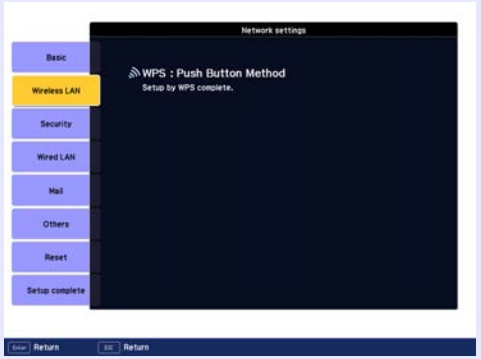
Then, the Push Button Method screen is displayed.

3 Press the button on the access point when prompted by the screen.



This completes the setup.

4 Press the [Enter] button or the [Esc] button.



It returns to the Wireless LAN menu screen.

5 Select "Yes" from "Setup complete".

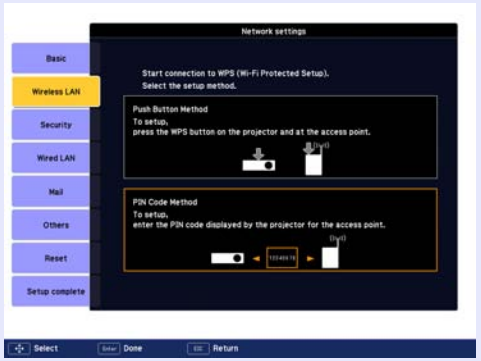
This completes the setup of the connection between the projector and the access point. Press the [Menu] button to close the configuration menu.

Making a connection using the PIN Code Method

Before you can make a connection using the "PIN Code Method", a connection must have already been setup between the computer and the access point.

Procedure

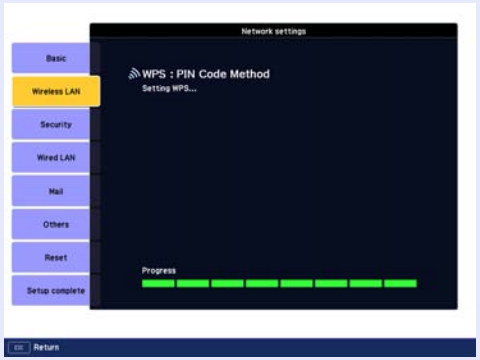
1 Select "PIN Code Method".



The PIN Code Method screen is displayed.

2 Enter the PIN code displayed on the "PIN Code Method" screen from the computer to the access point, and then select "Start Setup".

The progress is displayed.



3 The message "Setup by WPS complete. " is displayed. Press the [Enter] button or the [Esc] button.

It returns to the Wireless LAN menu screen.

4 Select "Yes" from "Setup complete".

This completes the setup of the connection between the projector and the access point. Press the [Menu] button to close the configuration menu.

Screen Size and Distance

To find the appropriate screen size, see the following table to setup the projector. Values are just reference.

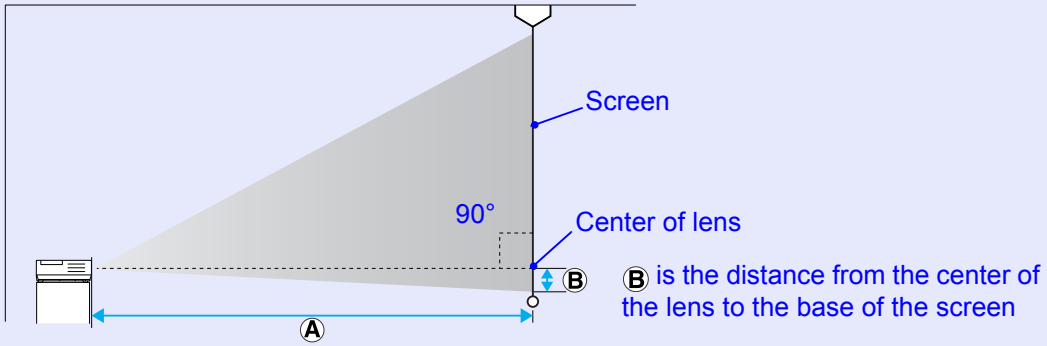
Projection Distance for EB-1725/1723/1720

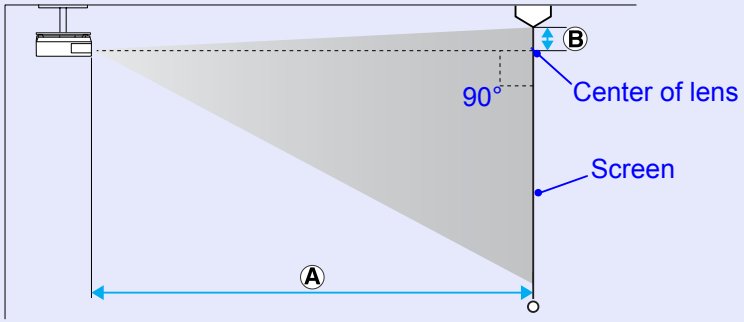
Units:cm(in.)

4:3 Screen Size		Projection distance Ⓐ	Ⓑ
		Minimum Maximum (Wide) to (Tele)	Minimum Maximum (Wide) to (Tele)
30"	61×46 (24×18)	65 to 80 (26 to 32)	7 (2.6)
40"	81×61 (32×24)	88 to 108 (35 to 42)	9 (3.4)
50"	100×76 (39×30)	111 to 136 (44 to 53)	11 (4.3)
60"	120×90 (47×35)	133 to 163 (53 to 64)	13 (5.1)
80"	160×120 (63×47)	179 to 218 (70 to 86)	17 (6.9)
100"	200×150 (79×59)	224 to 274 (88 to 108)	22 (8.6)
120"	240×180 (94×71)	270 to 329 (106 to 129)	26 (10.3)
150"	300×230 (118×91)	338 to 412 (133 to 162)	33 (12.9)
200"	410×300 (161×118)	451 to 550 (178 to 216)	44 (17.1)
300"	610×460 (240×181)	678 to 826 (267 to 325)	65 (25.7)

Units:cm(in.)

16:9 Screen size		Projection distance Ⓐ	Ⓑ
		Minimum Maximum (Wide) to (Tele)	Minimum Maximum (Wide) to (Tele)
30"	66×37 (26×15)	71 to 88 (28 to 35)	1 (0.4)
40"	89×50 (35×20)	96 to 118 (38 to 46)	1 (0.5)
50"	110×62 (43×24)	121 to 148 (48 to 58)	1 (0.6)
60"	130×75 (51×25)	146 to 178 (57 to 70)	2 (0.7)
80"	180×100 (71×39)	195 to 238 (77 to 94)	2 (0.9)
100"	220×120 (87×47)	245 to 298 (96 to 117)	3 (1.2)
120"	270×150 (106×59)	294 to 358 (116 to 141)	4 (1.4)
150"	330×190 (130×75)	368 to 449 (145 to 177)	4 (1.8)
200"	440×250 (173×98)	492 to 599 (194 to 236)	6 (2.3)
275"	610×340(240×134)	678 to 826 (267 to 325)	8 (3.2)





Projection Distance for EB-1735W/1730W

Units:cm(in.)

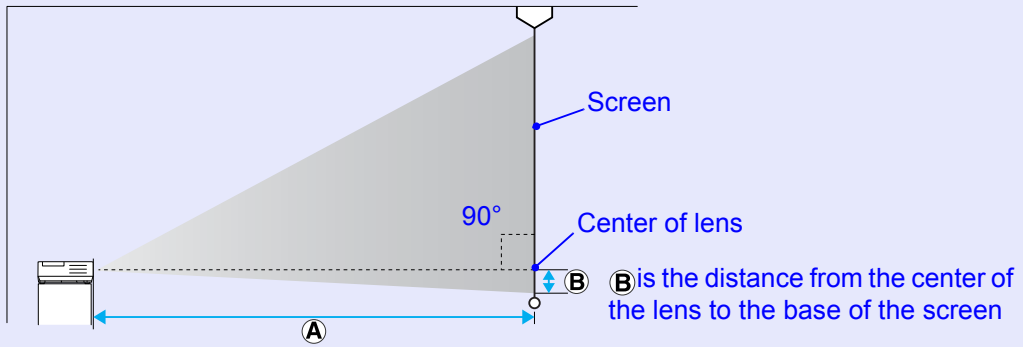
4:3 Screen Size		Projection distance Ⓐ	Ⓑ
		Minimum (Wide) to Maximum (Tele)	Minimum (Wide) to Maximum (Tele)
30"	61×46 (24×18)	70 to 86 (28 to 34)	5 (2.1)
40"	81×61 (32×24)	95 to 116 (37 to 46)	7 (2.8)
50"	100×76 (39×30)	119 to 146 (47 to 57)	9 (3.5)
60"	120×90 (47×35)	143 to 175 (56 to 69)	11 (4.2)
80"	160×120 (63×47)	192 to 235 (76 to 92)	14 (5.6)
100"	200×150 (79×59)	241 to 294 (95 to 116)	18 (7.0)
120"	240×180 (94×71)	289 to 353 (114 to 139)	21 (8.4)
150"	300×230 (118×91)	362 to 442 (143 to 174)	27 (10.4)
200"	410×300 (161×118)	484 to 591 (191 to 233)	35 (13.9)
265"	540×400 (213×157)	642 to 783 (253 to 308)	47 (18.4)

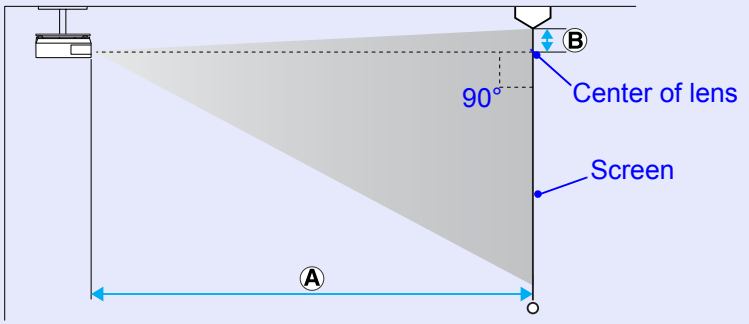
Units:cm(in.)

16:9 Screen size		Projection distance Ⓐ	Ⓑ
		Minimum (Wide) to Maximum (Tele)	Minimum (Wide) to Maximum (Tele)
30"	66×37 (26×15)	63 to 78 (25 to 31)	3 (1.1)
40"	89×50 (35×20)	86 to 105 (34 to 41)	4 (1.4)
50"	110×62 (43×24)	108 to 132 (42 to 52)	5 (1.8)
60"	130×75 (51×25)	130 to 159 (51 to 63)	5 (2.2)
80"	180×100 (71×39)	174 to 213 (68 to 84)	7 (2.9)
100"	220×120 (87×47)	218 to 267 (86 to 105)	9 (3.6)
120"	270×150 (106×59)	262 to 321 (103 to 126)	11 (4.3)
150"	330×190 (130×75)	329 to 401 (129 to 158)	14 (5.4)
200"	440×250 (173×98)	439 to 536 (173 to 211)	18 (7.2)
290"	640×360 (252×142)	638 to 778 (251 to 306)	26 (10.4)

Units:cm(in.)

16:10 Screen size		Projection distance Ⓐ	Ⓑ
		Minimum (Wide) to Maximum (Tele)	Minimum (Wide) to Maximum (Tele)
30"	66×41 (26×16)	62 to 76 (24 to 30)	5 (1.8)
40"	89×56 (35×22)	83 to 102 (33 to 40)	6 (2.5)
50"	110×67 (43×26)	105 to 128 (41 to 51)	8 (3.1)
60"	130×81 (51×32)	126 to 155 (50 to 61)	9 (3.7)
80"	180×110 (71×43)	169 to 207 (67 to 82)	12 (4.9)
100"	220×130 (87×51)	212 to 259 (84 to 102)	16 (6.1)
120"	270×169 (106×67)	255 to 312 (100 to 123)	19 (7.4)
150"	330×206 (130×81)	320 to 390 (126 to 154)	23 (9.2)
200"	440×275 (173×108)	427 to 521 (168 to 205)	31 (12.3)
300"	550×344 (267×135)	642 to 783 (253 to 308)	47 (18.4)





Connecting and Removing USB Devices (EB-1735W/1725/1723 only)

TOP

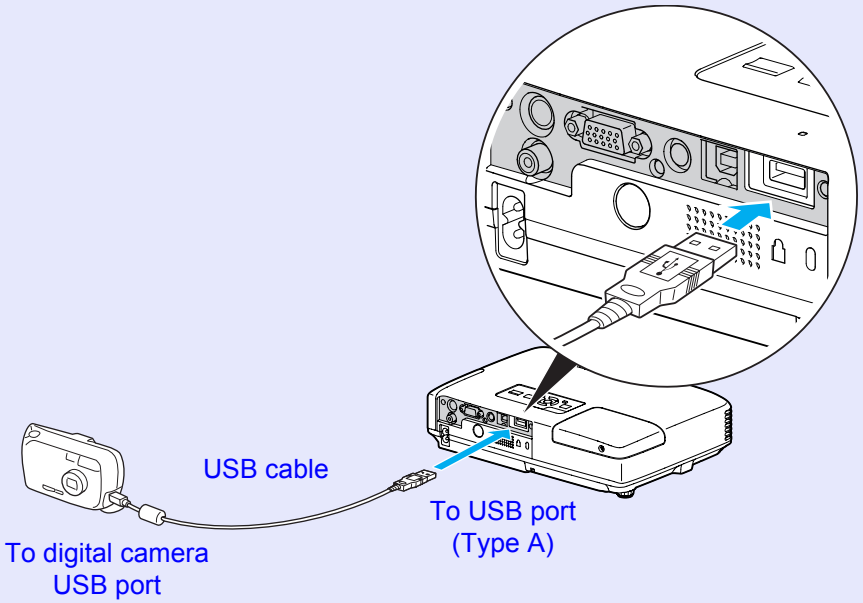
USB 2.0/1.1-compatible digital cameras, hard disk drives and USB storage devices can be connected to the projector. Image files that are stored inside the digital camera and scenarios, images and movies that are stored inside USB storage devices can be played back by EasyMP PC Free.

☛ *EasyMP Operation Guide* "PC Free Basic Operations"

Connecting USB Devices

The following procedure describes how to connect USB devices, using a digital camera as an example.
Connect a digital camera to the projector using a USB cable provided with, or specified for use with your digital camera.

Use a USB cable less than 3m in length. If the cable exceeds 3m, PC Free may not function correctly.



Attention

- ***If you use a USB hub, the connection may not operate correctly. Devices such as digital cameras and USB storage devices should be connected to the projector directly.***
- ***When connecting and using a USB-compatible hard disk, make sure you connect the AC adaptor supplied with the hard disk.***

Removing USB Devices

After finishing projecting, use the following procedure to remove USB devices from the projector.

Procedure

1. **Turn off power for the digital camera or USB storage device.**
2. **Remove from the projector's USB port (Type A).**

Connecting with a USB Cable and Projecting (USB Display EB-1735W/1725/1723 only)

TOP

By using a commercially available USB cable to connect the projector to a Windows computer you can project images from the computer. This function is called USB Display. Simply by connecting via a USB cable, images from the computer can be displayed.

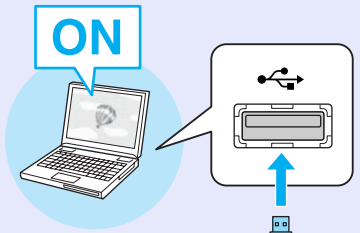
Attention

Connect the projector directly to the computer and not via a USB hub.

Connecting

Procedure

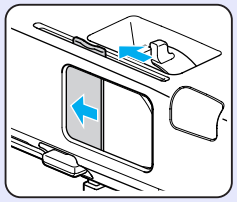
1 **Turn the computer on.**

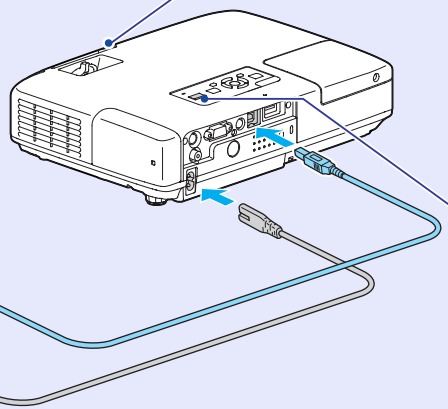


5 **Connects to the USB cable.**

☛ "Connecting for the first time" p.96
☛ "From the second time" p.97

4 **Open the A/V mute slide.**



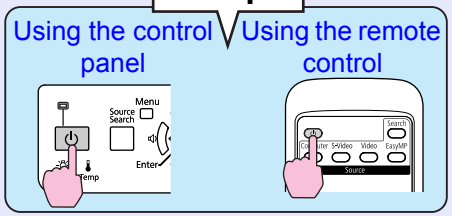


3 **Turn the projector on.**

2 **Connects to the power cable (supplied).**

Beep

Using the control panel / Using the remote control

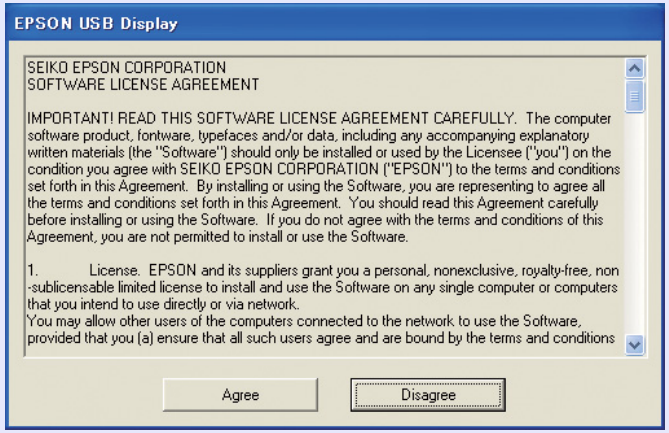


- ***Audio is output even when an audio cable is not connected. If you don't want to output audio from the projector, on the computer click "EPSON Projector" - "EPSON USB Display" - "EPSON USB Display Vx.x Setting", and uncheck "Output audio from the projector".***
- ***If you are running the application software such as Windows Media Player before you connect a USB cable, audio may not be output from the projector. To output audio from the projector, close the application software, and then restart it.***

Connecting for the first time

When you are using Windows 2000, double-click "My Computer" - "EPSON_PJ_UD" - "EMP_UDSE.EXE", on your computer.

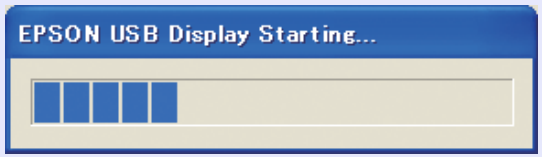
1 Driver installation starts automatically.



When using a computer running Windows 2000 under user authority, a Windows error message is displayed during installation and you may not be able to install the software. In this case, try updating Windows to the latest status, restart, and then try to connect again. For more details, contact the nearest address provided in the *Support and Service Guide*. ☛ *Epson Projector Contact List*

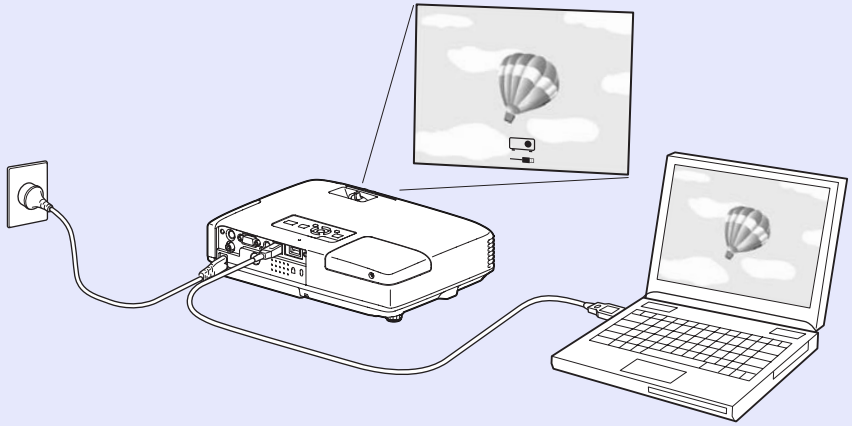
2 Click "Agree".

If the driver is not installed, you cannot start USB Display. Select "Agree". If you want to cancel installation, click "Disagree".



3 Computer images are projected.

It may take a while before computer images are projected. Until computer images are projected, leave the equipment as it is and do not disconnect the USB cable or turn off the power to the projector.



- ***Applications that use part of DirectX functions may not be displayed correctly.***
- ***If for some reason nothing is projected, click "All Programs" - "EPSON Projector" - "EPSON USB Display" - "EPSON USB Display Vx.x", on your computer.***
- ***If it is not installed automatically, double-click "My Computer" - "EPSON_PJ_UD" - "EMP_UDSE.EXE", on your computer.***
- ***To uninstall the driver, open "Control Panel" - "Add/ Remove Programs" - and uninstall "EPSON USB Display Vx.x".***
- ***Disconnecting***
  The projector can be disconnected simply by disconnecting the USB cable. There is no need to use the "Safely Remove Hardware" feature in Windows.

From the second time

Computer images are projected.

It may take a while before computer images are projected. Please wait.

Reading Problem Mail Notification Function (EB-1735W/1725/1723 only)

When the Mail Notification function is set to "On" and a problem/warning occurs in the projector, the following e-mail is sent.
Subject: EPSON Projector
Line 1: The name of the projector where the problem has occurred
Line 2: The IP address set for the projector where the problem has occurred.
Line 3 and on: Details of the problem

The details of the problem are listed line by line. The following table shows the details that are given in the message for each item.
To deal with problems/warnings, see "Reading the Indicators" (☛ p.64).

Message	Cause
Internal error	Internal Error
Fan related error	Fan Error
Sensor error	Sensor Error
Lamp timer failure	Lamp Failure
Lamp out	Lamp Error
Internal temperature error	High Temp Error (Overheating)
High-speed cooling in progress	High Temp Warning
Lamp replacement notification	Replace Lamp
No-signal	No Signal No Signal is input to the projector. Check the connection status or check that the power for the signal source is turned on.
Auto Iris Error	Auto Iris Error

A (+) or (-) appears at the start of the message.
(+): A projector problem has occurred
(-): A projector problem has been dealt with

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.

Item		Command	
Power ON/OFF	ON	PWR ON	
	OFF	PWR OFF	
Signal selection	Computer	Auto	SOURCE 1F
		RGB	SOURCE 11
		Component	SOURCE 14
	Video	SOURCE 41	
	S-video	SOURCE 42	
	EasyMP (EB-1735W/1725/1723 only)	SOURCE 50	
A/V Mute ON/OFF	ON	MUTE ON	
	OFF	MUTE OFF	
A/V Mute selection	Black	MSEL 00	
	Blue	MSEL 01	
	Logo	MSEL 02	

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

Cable Layouts

USB connection

Connector shape: USB (Type B)

<At the projector> <At the computer>

(Type B)

* You cannot use the USB Type A port (EB-1735W/1725/1723 only) as a USB hub.

USB Connection Setup

To control the projector using ESC/VP21 commands via a USB connection, the following preparations must be carried out.

Procedure

1. **Download the USB driver (USB-COM Driver) from the Epson Web site to your computer.**
   Go to http://www.epson.com and select the support section of your local Epson Web site.

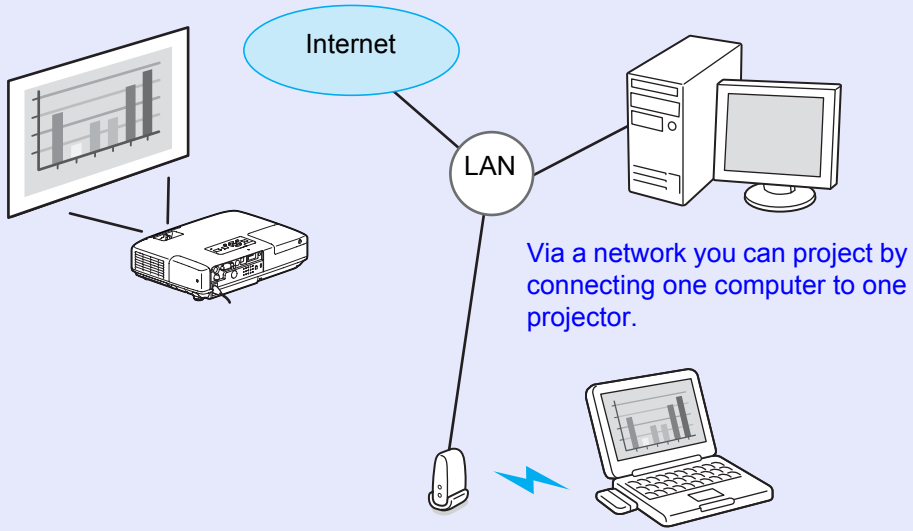
2. **Install the downloaded USB driver onto your computer.**
   Read the instructions displayed on the download screen.

3. **Set "Extended" - "Link 21L" to "On" from the projector's configuration menu.**
   For the EB-1735W/1725/1723
   Set "Link 21L" to "On" after setting "Extended" - "USB Type B" to "Link 21L" from the projector's configuration menu.

Regarding Network Projector (EB-1735W/1725/1723 only)

There are two methods connecting the projector to a computer via a network and project images from the computer screen.

- By "EMP NS Connection"
  The EMP NS Connection application on the supplied EPSON Projector Software for Meeting&Presentation provides a wide range of features for use in meetings and presentations, such as a distribution function, multi-screen display, movie sending mode, and a presentation mode. By using "EMP NS Connection", you can not only project, but also hold successful meetings and make presentations simply by connecting the projector to a computer. ☛ *EasyMP Operation Guide*
- By "Network Projector"
  "Network projector" is a standard function in Windows Vista. Therefore, you can project images from the computer by detecting the projector on the network only by using a function of the OS without having to install any special software.



Compatible OS
Windows:Vista Home Premium/Vista Business/Vista Enterprise/Vista Ultimate

This section provides an easy explanation of "Network Projector". Check that the projector and computer are connected to the network, and carry out the following operations.

Procedure

1. **Turn the projector on, and then press the [EasyMP] button on the remote control.**

2. **On the computer, start Windows, and then click "Start" - "All programs" - "Accessories" - "Network projector".**
   The connection setting screen is displayed.
   The projector is identified by inputting its IP address, or by allowing the OS to automatically identify all of the connected projectors.

3. **Once the OS has identified all of the connected projectors, select the one that you want to use and click "Connect".**
   When the projector password screen is displayed, enter the Projector keyword shown at the bottom of the EasyMP standby screen.

When using "Network Projector" from "Options" in Windows Meeting Space, set the colors for the computer screen you are using to the highest level (32bit). If it is not capable of a 32bit display, a message is displayed and you cannot connect.

About PJLink

PJLink Class 1 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 Class 1 standard established by the JBMIA.
It complies with all commands except for the following commands defined by PJLink Class 1, and agreement was confirmed by the PJLink standard adaptability verification.
URLhttp://pjlink.jbmia.or.jp/english/

■ **Non-compatible commands**

Function		PJLink Command
Mute settings	Image muting set	AVMT 11
	Image muting cancel	AVMT 10
	Audio muting set	AVMT 21
	Audio muting cancel	AVMT 20

■ **Input names defined by PJLink and corresponding projector connectors**

Input Connector	PJLink Command
Computer input	INPT 11
Video input	INPT 21
S-Video input	INPT 22
EasyMP	INPT 51

■ **Manufacturer name displayed for "Manufacture name information query"**

EPSON

■ **Model name displayed for "Product name information query"**

EB-1735W
EB-1730W
EB-1725
EB-1723
EB-1720

Supported Monitor Displays for EB-1725/1723/1720

Computer signals (analog RGB)

Units: dots

Signal	Refresh rate (Hz)	Resolution	Aspect mode		
			Normal	4:3	16:9
VGAEGA	70	640×350	1024×560	1024×768	1024×576
VGA	60/72/75/85/iMac*1	640×480/640×360*2	1024×768	1024×768	1024×576
SVGA	56/60/72/75/85/iMac*1	800×600/800×450*2	1024×768	1024×768	1024×576
XGA	60/70/75/85/iMac*1	1024×768/1024×576*2	1024×768	1024×768	1024×576
WXGA	60	1280×768	1024×614	1024×768	1024×576
	60	1360×768	1024×578	1024×768	1024×576
	60/75/85	1280×800	1024×640	1024×768	1024×576
WXGA+	60/75/85	1440×900	1024×640	1024×768	1024×576
SXGA	70/75/85	1152×864	1024×768	1024×768	1024×576
	60/75/85	1280×1024	960×768	1024×768	1024×576
	60/75/85	1280×960	1024×768	1024×768	1024×576
SXGA+	60/75/85	1400×1050	1024×768	1024×768	1024×576
UXGA	60	1600×1200	1024×768	1024×768	1024×576
MAC13"	67	640×480	1024×768	1024×768	1024×576
MAC16"	75	832×624	1024×768	1024×768	1024×576
MAC19"	75	1024×768	1024×768	1024×768	1024×576
	60	1024×768	1024×768	1024×768	1024×576
MAC21"	75	1152×870	1016×768	1024×768	1024×576

*1 Connection is disabled if the equipment does not have a VGA output port.
*2 Letterbox 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.

Component Video

Units: dots

Signal	Refresh rate (Hz)	Resolution	Aspect mode	
			4:3	16:9
SDTV(480i)	60	720×480/720×360*	1024×768	1024×576
SDTV(576i)	50	720×576/720×432*	1024×768	1024×576
SDTV(480p)	60	720×480/720×360*	1024×768	1024×576
SDTV(576p)	50	720×576/720×432*	1024×768	1024×576
HDTV(720p)	50/60	1280×720	1024×768	1024×576
HDTV(1080i)	50/60	1920×1080	1024×768	1024×576
HDTV(1080p)	50/60	1920×1080	1024×768	1024×576

* Letterbox signal

Composite video/S-video

Units: dots

Signal	Refresh rate (Hz)	Resolution	Aspect mode	
			4:3	16:9
TV(NTSC)	60	720×480/720×360*	1024×768	1024×576
TV(PAL,SECAM)	50	720×576/720×432*	1024×768	1024×576

* Letterbox signal

Supported Monitor Displays for EB-1735W/1730W

Computer signals (analog RGB)

Units: dots

Signal	Refresh rate (Hz)	Resolution	Aspect mode				
			Normal	16:9	Full	Zoom	Through
VGAEGA	70	640×350	1280×700	1280×720	1280×800	1280×700	640×350
VGA	60/72/75/85/iMac*1	640×480/640×360*2	1066×800	1280×720	1280×800	1280×800	640×480
SVGA	56/60/72/75/85/iMac*1	800×600/800×450*2	1066×800	1280×720	1280×800	1280×800	800×600
XGA	60/70/75/85/iMac*1	1024×768/1024×576*2	1066×800	1280×720	1280×800	1280×800	1024×768
WXGA	60	1280×768	1280×768	1280×720	1280×800	1280×768	1280×768
	60	1360×768	1280×722	1280×720	1280×800	1280×722	1280×768
	60/75/85	1280×800	1280×800	1280×720	1280×800	1280×800	1280×800
WXGA+	60/75/85	1440×900	1280×800	1280×720	1280×800	1280×800	1280×800
WSXGA+*3	60	1680×1050	1280×800	1280×720	1280×800	1280×800	1280×800
SXGA	70/75/85	1152×864	1066×800	1280×720	1280×800	1280×800	1280×800
	60/75/85	1280×1024	1000×800	1280×720	1280×800	1280×800	1280×800
	60/75/85	1280×960	1066×800	1280×720	1280×800	1280×800	1280×800
SXGA+	60/75/85	1400×1050	1066×800	1280×720	1280×800	1280×800	1280×800
UXGA	60	1600×1200	1066×800	1280×720	1280×800	1280×800	1280×800
MAC13"	67	640×480	1066×800	1280×720	1280×800	1280×800	640×480
MAC16"	75	832×624	1066×800	1280×720	1280×800	1280×800	832×624
MAC19"	75	1024×768	1066×800	1280×720	1280×800	1280×800	1024×768
	60	1024×768	1066×800	1280×720	1280×800	1280×800	1024×768
MAC21"	75	1152×870	1059×800	1280×720	1280×800	1280×800	1152×800

*1 Connection is disabled if the equipment does not have a VGA output port.
*2 Letterbox signal
*3 Only compatible when "Wide" is selected as the "Resolution" from the configuration menu. ☛ p.41
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.

Component Video

Units: dots

Signal	Refresh rate (Hz)	Resolution	Aspect mode				
			Normal	16:9	Full	Zoom	Through
SDTV(480i)	60	720×480/720×360*	1066×800	1280×720	1280×800	1280×800	640×480
SDTV(576i)	50	720×576/720×432*	1066×800	1280×720	1280×800	1280×800	768×576
SDTV(480p)	60	720×480/720×360*	1066×800	1280×720	1280×800	1280×800	640×480
SDTV(576p)	50	720×576/720×432*	1066×800	1280×720	1280×800	1280×800	768×576
HDTV(720p)	50/60	1280×720	1280×720	1280×720	1280×800	1280×720	1280×720
HDTV(1080i)	50/60	1920×1080	1280×720	1280×720	1280×800	1280×720	1280×800
HDTV(1080p)	50/60	1920×1080	1280×720	1280×720	1280×800	1280×720	1280×800

* Letterbox signal

Composite video/S-video

Units: dots

Signal	Refresh rate (Hz)	Resolution	Aspect mode				
			Normal	16:9	Full	Zoom	Through
TV(NTSC)	60	720×480/720×360*	1066×800	1280×720	1280×800	1280×800	640×480
TV(PAL,SECAM)	50	720×576/720×432*	1066×800	1280×720	1280×800	1280×800	768×576

* Letterbox signal

Projector General Specifications

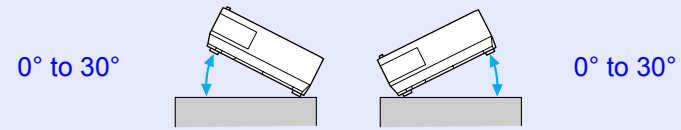
Product name		EB-1735W	EB-1730W	EB-1725/1723	EB-1720
Dimensions		284 (W) × 65 (H) × 202 (D) mm (not including protruding parts)			
Panel size		0.74"		0.7"	
Display method		Polysilicon TFT active matrix			
Resolution		1,024,000 pixels WXGA (1280 (W) × 800 (H) dots) × 3		786,432 pixels XGA (1024 (W) × 768 (H) dots) × 3	
Focus adjustment		Manual			
Zoom adjustment		Manual (1 to 1.2)			
Lamp		UHE lamp, 170 W Model No.: ELPLP48			
Max. audio output		1 W monaural			
Speaker		1			
Power supply		100 to 240 V AC ±10%, 50/60 Hz 2.7 to 1.2 A			
Power consumption	100 to 120 V area	Operating: 243 W Standby power consumption (network invalid): 4.0 W Standby power consumption (network valid): 9 W	Operating: 243 W Standby power consumption: 4.0 W	Operating: 243 W Standby power consumption (network invalid): 4.0 W Standby power consumption (network valid): 9 W	Operating: 243 W Standby power consumption: 4.0 W
	200 to 240 V area	Operating: 230 W Standby power consumption (network invalid): 5.5 W Standby power consumption (network valid): 10 W	Operating: 230 W Standby power consumption: 5.5 W	Operating: 230 W Standby power consumption (network invalid): 5.5 W Standby power consumption (network valid): 10 W	Operating: 230 W Standby power consumption: 5.5 W
Operating altitude		Altitude 0 to 2,286 m (0 to 7,500 ft)			
Operating temperature		5+35 (No condensation)			
Storage temperature		-10 to +60 (No condensation)			
Mass		Approx. 1.8kg	Approx. 1.7kg	Approx. 1.8kg	Approx. 1.7kg

Product name			EB-1735W	EB-1730W	EB-1725/1723	EB-1720
Connectors	Computer (Component Video) input port	1	Mini D-Sub15-pin (female) blue			
	Audio-L/R input port	1	Stereo mini jack			
	Video input port	1	RCA pin jack			
	S-Video input port	1	Mini DIN 4-pin			
	USB port*1	1	USB connector (Type A) USB connector (Type B)	USB connector (Type B)	USB connector (Type A) USB connector (Type B)	USB connector (Type B)
	USB port (wireless/wired LAN unit dedicated*2)	1	USB connector (Type A)	-	USB connector (Type A)	-

*1 This supports USB2.0.USB ports are not guaranteed to operate all devices that support USB.
*2 Dedicated to the specific wireless LAN unit or optional wired LAN unit.

Pixelworks DNX™ ICs are used in this projector.

Angle of tilt



If you use the projector tilted at an angle of more than 30° it could be damaged and cause an accident.

Software Requirement

The software supplied with the projector or the optional accessories runs on computers that meet the following requirements. EMP NS Connection, EMP SlideMaker2, USB Display, and Quick Wireless Connection are only supplied with EB-1735W/1725/1723.

	EMP NS Connection	EMP SlideMaker2*	EMP Monitor	USB Display/ Quick Wireless Connection
OS	Windows 2000 SP4/XP/ XP SP1/XP SP2/XP SP3/Vista/ Vista SP1 Mac OS X 10.3 or later Recommended: Mac OS 10.5.1 or later, 10.4.11/10.3.9	Windows 98/98 SE/Me/2000 SP4/ XP/XP SP1/XP SP2/Vista	Windows 98 SE SP1/Me/NT4.0 SP6/2000 SP4/ XP 32Bit edition (Home Edition/ Professional) SP1 or later/ Vista/Vista SP1 Internet Explorer Ver.5 or later	Windows 2000 SP4/XP/ XP SP1/XP SP2/XP SP3/Vista/ Vista SP1
CPU	Mobile Pentium III 1.2 GHz or faster Power PC G3 900 MHz or faster Recommended: Pentium M 1.6 GHz or faster Core Duo 1.5GHz or faster	Celeron 300 MHz or faster Recommended: Celeron 400 MHz or faster	Pentium MMX 166 MHz or faster Recommended: Pentium II 233 MHz or faster	Mobile Pentium III 1.2 GHz or faster Recommended: Pentium M 1.6 GHz or faster
Amount of Memory	256 MB or more Recommended: 512 MB or more	64 MB or more Recommended: 128 MB or more	64 MB or more	256 MB or more Recommended: 512 MB or more
Hard Disk Free space	20 MB or more	12 MB or more	50 MB or more	20 MB or more
Display	Resolution greater than XGA (1024 × 768) Display color of approx. 32000 colors more than 16 bit colors		Resolution greater than SVGA (800 × 600) Display color in 32 bit full-color or greater	Resolution greater than XGA (1024 × 768) Display color of approx. 32000 colors more than 16 bit colors

* When using a PowerPoint file, you need either Office 2000/XP/2003/2007 or PowerPoint 2000/2002/2003/2007.

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:	3840 Kilroy Airport Way
	MS: 3-13
	Long Beach, CA 90806
Tel:	562-290-5254

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 2.909. 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:	Projector
Model	:H268C/H269C/H270C/H271C

FCC Compliance Statement
For United States Users

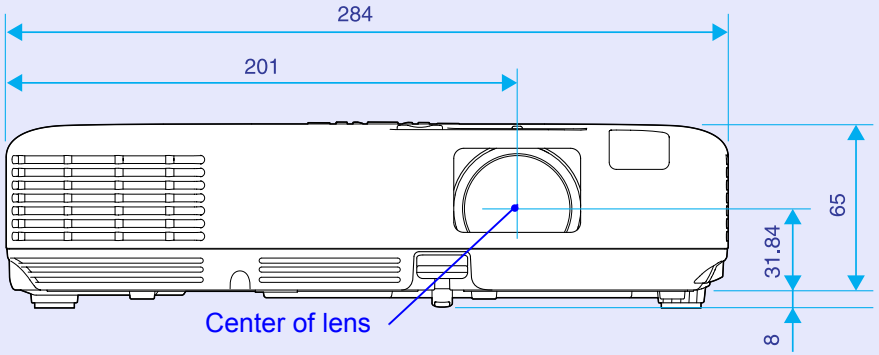
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio or television reception. 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.

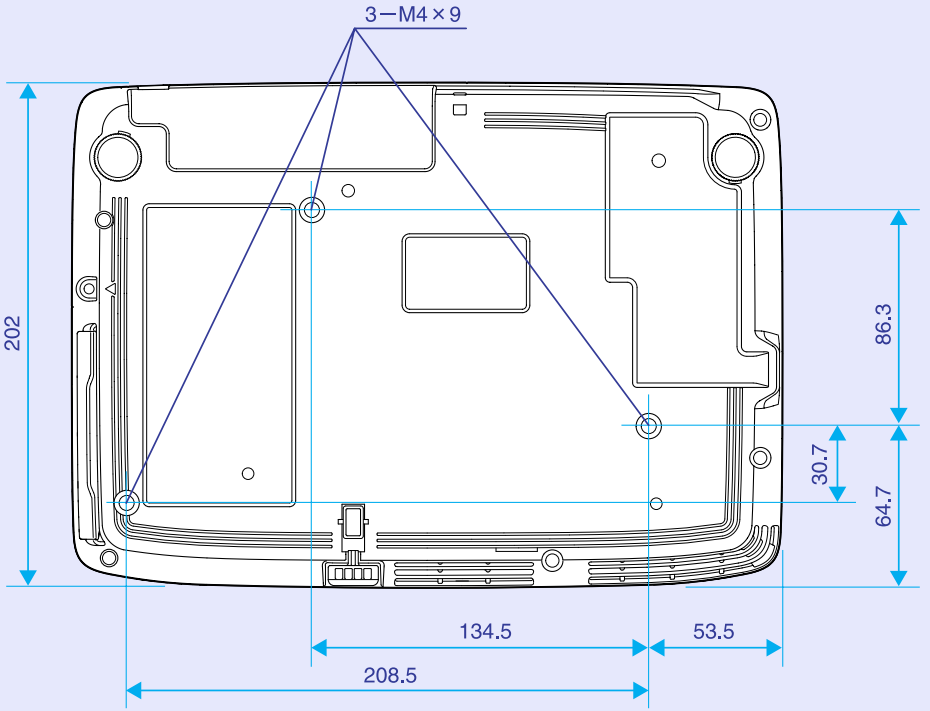
WARNING

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.

Appearance



* Distance from center of lens to suspension bracket fixing point



Units: mm

Glossary

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

AMX Device Discovery	AMX Device Discovery is a technology developed by AMX to facilitate AMX control systems for easy operation of the target equipment. Epson have implemented this protocol technology, and have provided a setting to enable the protocol function (ON). See the AMX Web site for more details. URL http://www.amx.com/
DHCP	An abbreviation of Dynamic Host Configuration Protocol, this protocol automatically assigns an IP address to equipment connected to a network.
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 • Dolby Digital audio reception and playback (or output)
IP address	A number to identify a computer connected to a network.
S-Video	A video signal which has the luminance component and color component separated to provide better image quality. Refers to images that consist of two independent signals: Y (luminance signal) and C (color signal).
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.
SNMP Trap IP address	This is the IP address for the destination computer used for error notification in SNMP.
sRGB	An international standard for color intervals that was formulated so that colors that are reproduced by video equipment can be handled easily by computer operating systems (OS) and the Internet. If the connected source has an sRGB mode, set both the projector and the connected signal source to sRGB.
SSID	SSID is an identification number for connecting with a counterpart on a wireless LAN. Wireless communication is possible between devices that correspond to SSID.
SVGA	A type of video signal with a resolution of 800 (horizontal) × 600 (vertical) dots that is used by IBM PC/AT-compatible computers.
SXGA	A type of video signal with a resolution of 1,280 (horizontal) × 1,024 (vertical) dots that is used by IBM PC/AT-compatible computers.
VGA	A type of video signal with a resolution of 640 (horizontal) × 480 (vertical) dots that is used by IBM PC/AT-compatible computers.
WPS	WPS is an abbreviation of Wi-Fi Protected Setup. Wi-Fi Protected Setup has been devised by the Wi-Fi Alliance as a means of easily setting up and securing a wireless LAN.

XGA	A type of video signal with a resolution of 1,024 (horizontal) × 768 (vertical) dots that is used by IBM PC/AT-compatible computers.
Aspect ratio	The ratio between an image's length and its height. HDTV images have an aspect ratio of 16:9 and appear elongated. The aspect ratio for standard images is 4:3.
Interlace	A method of image scanning whereby the image data is divided into fine horizontal lines that are displayed in sequence starting from left to right and then from top to bottom. The even-numbered lines and odd-numbered lines are displayed alternately.
Gateway address	This is a server (router) for communicating across a network (subnet) divided according to subnet masks.
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".
Component Video	A video signal which has the luminance component and color component separated to provide better image quality. Refers to images that consist of three independent signals: Y (luminance signal), Pb and Pr (color difference signals).
Composite video	Video signals that have the video brightness signals and color signals mixed together. The type of signals commonly used by household video equipment (NTSC, PAL, and SECAM formats). The carrier signal Y (luminance signal) and chroma (color) signal that are contained in the color bar are overlapped to form a single signal.
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.
Synchronization	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.
Tracking	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 frequency of these signals (the number of crests in the signal) is called Tracking. If tracking is not carried out correctly, wide vertical stripes appear in the signal.
Dolby Digital	A sound format developed by Dolby Laboratories. Normal stereo is a 2-channel format that uses two speakers. Dolby Digital is a 6-channel (5.1-channel) system which adds to this a center speaker, two rear speakers, and a sub-woofer.
Progressive	A method of image scanning whereby the image data from a single image is scanned sequentially from top to bottom to create a single image.
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).

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