

# EPSON®

## EMP-835/830

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Be sure to read the **User's Guide** carefully before using the projector.

### **WARNING**

Do not look directly into the projector's lens.

# Quick Reference Guide



# Setup

Set up the projector so that the distance from the screen to the projector's lens is 86–1473 cm (2.8–48.3 ft.). The shorter the distance between the two, the smaller the image will be, and the greater the distance, the larger the image will be. Adjust the distance in accordance with the size of the screen.

User's Guide  
"Screen Size and  
Projection Distance"

# Connections

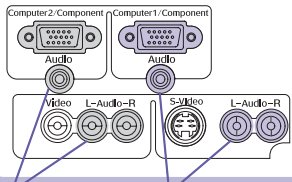
Be sure to turn the power off for all components before making any of the following connections.

User's Guide "Connecting to a Computer"  
"Connecting to a Video Source"

## When connecting to a computer or video source

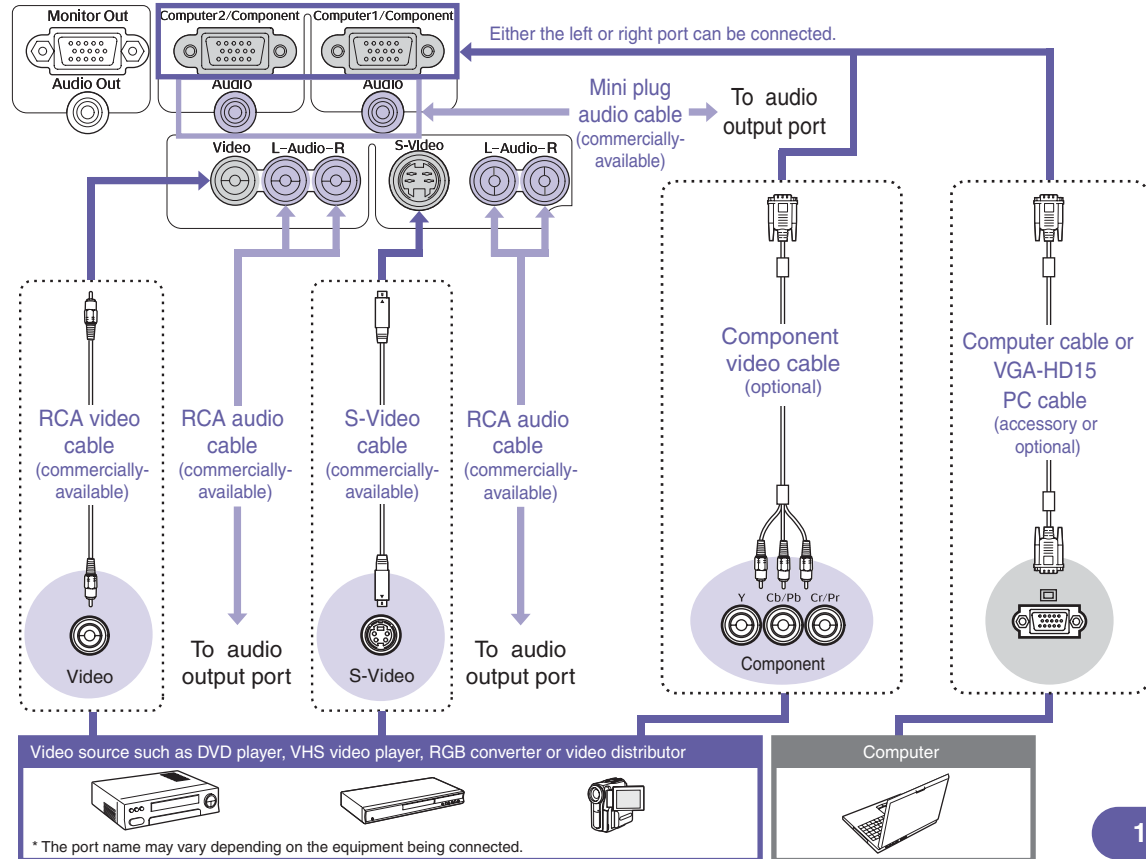
The [Audio] port to use is the port that is in the same box as the port being used to input the image signals.

However, if component video signals are being input from a DVD player or some other equipment to the [Computer1 (or2)/Component] port, you can use either of the two types of audio input ports shown below depending on the audio cable type you use.



When connecting to the [Computer2/Component] port

When connecting to the [Computer1/Component] port



# When connecting to a computer via a network (EMP-835 only)

When connecting in easy connect mode



Built-in wireless LAN function or wireless LAN card



Wireless LAN card (accessory)



When connecting in access point mode



Built-in wireless LAN function or wireless LAN card



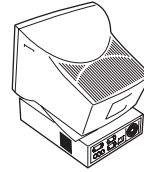
Access point



Wireless LAN card (accessory)



When connecting using a wired LAN

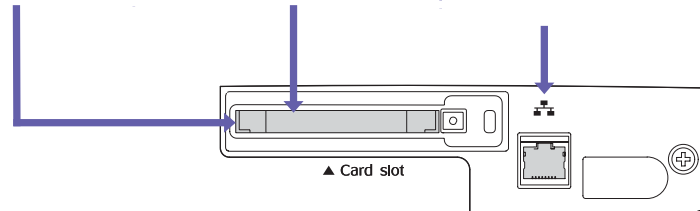


Network cable (100baseTX or 10baseT)



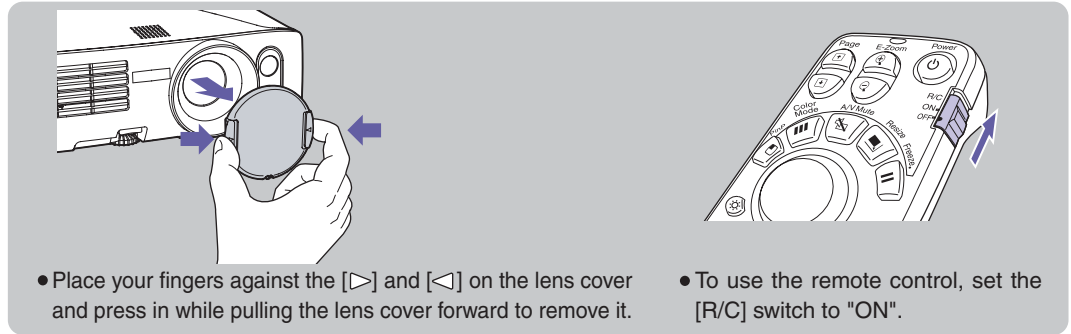
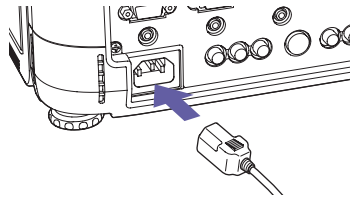
Network cable (100baseTX or 10baseT)

**!** To prevent the possibility of incorrect operation, you should use a Category 5 shielded network cable.



# Projector Preparation and Adjustments


- 1 **Connect the power cable to the projector and to an electrical outlet.**



- Place your fingers against the [▷] and [◁] on the lens cover and press in while pulling the lens cover forward to remove it.
- To use the remote control, set the [R/C] switch to "ON".

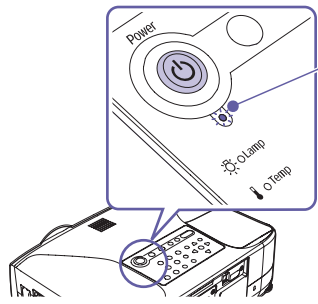
- 2 **Press** 

## Simple!


When "Direct Power ON" is set to "ON", the power will turn on when the power cable is connected, without the need to press .

👉 User's Guide "List of Configuration Menu Commands"

A beep will sound and the Power indicator will switch to flashing green.



Power indicator  
Flashing green (warm-up in progress/approx. 30 seconds)  
→ Lit green

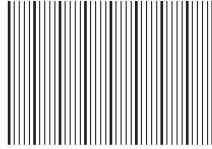
-  will not work while warm-up is in progress.
  - If Password Protect has been enabled, the password entry screen will be displayed. Enter the password.
- 👉 User's Guide "Preventing Theft (Password Protect)"

### 3 Turn on the power for the input source.

#### Simple!

Automatic focus will operate when projection starts. You can also switch the projector so that Quick Setup is run.

 **User's Guide**  
"List of Configuration Menu Commands"



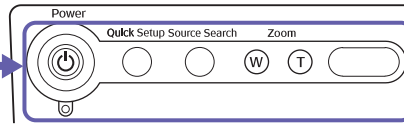
(While automatic focus is running)


For video equipment, press the [Play] button.

When projection starts, the automatic focus function will operate to automatically adjust the focus of the projected images. A screen such as the one shown left will appear while adjustment is in progress, but this is normal.

#### Simple!

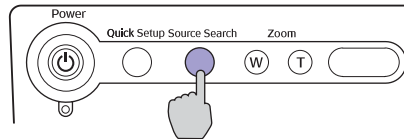
The projected images can be easily adjusted to the optimum images using only these buttons on the control panel.




If necessary, press **W** and **T** zoom buttons to make fine adjustments to the image size. When Quick Setup is run, the images are adjusted at a single touch so that they fit the screen area exactly.  p.7

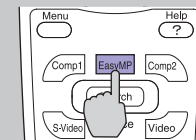
Source Search

### 4 Press .



If the desired images are not projected, press  once more.

If using the EMP-835 and the projector does not switch to EasyMP, press **EasyMP**.

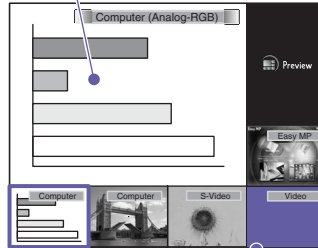


To switch using the remote control...

Press  .

To select images to be projected while viewing all images being input... (Preview Function)

Active window



Move the cursor to the desired image.

If no signal is input, the window will appear blue.

EasyMP is only displayed when using the EMP-835.

1. Press  .


If you use any buttons to switch the input source, the preview window will close and the selected images will be projected.

2. To view details of the image, switch to the active window.

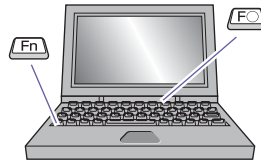
Tilt  to select an image and then press  .

3. Project the images in the active window.













Press  .

 User's Guide "Selecting an Image Source While Viewing Projected Images (Preview Function)"





If the source does not change to the laptop PC connected by a computer cable...




Examples of changing output

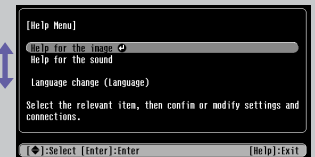
NEC	 + 
Panasonic	 + 
TOSHIBA	 + 
IBM	 + 
SONY	 + 
FUJITSU	 + 
Macintosh	Set mirror setting or display detection.

You may need to switch the output source on the computer.

Hold down the  key and press the  key (with a symbol such as  or  on it).

Once the setting is changed, projection will start after a short period.

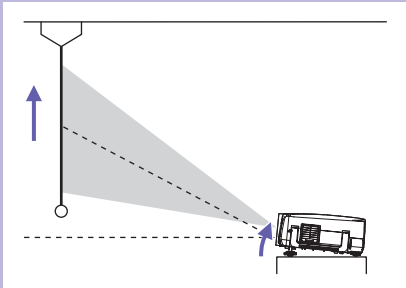
If images are not projected even after carrying out the above, press  on the remote control. Interactive help will be displayed. You can then answer the questions to obtain the optimum settings.



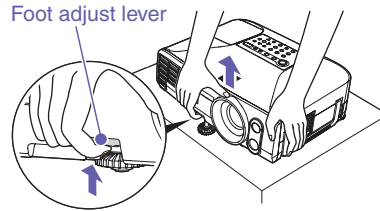
 Computer documentation

# Adjusting projected images

(If setting up the projector for the first time or after moving it)



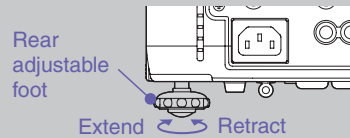
## Adjusting the projection angle



While pulling the foot adjust lever, lift up the front of the projector so that the front adjustable foot can extend. The Auto "V-Keystone" function will operate when the projector is tilted. To retract the front adjustable foot, gently push down on the projector while pulling the foot adjust lever.

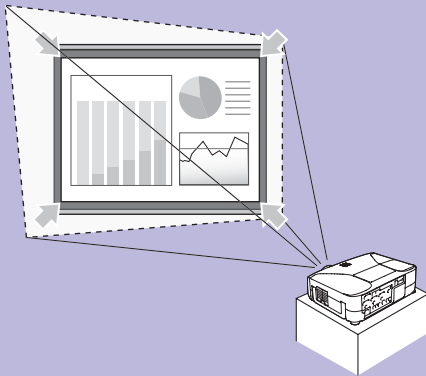
👉 User's Guide  
"Adjusting the Position and Size of the Projection Area"

- If tilted horizontally, adjust using the left and right rear adjustable feet.



- If the height of the images is reduced after vertical keystone correction, run Quick Setup as described on the next page, or adjust the height manually using the following procedure. For adjustment using the configuration menus: "Setting" - "Keystone" - "H/V-Keystone" - "Horz./Vert./Height" - "Height"

👉 User's Guide  
"Manually Correcting Projection Area Distortion"



## Attractive images easily, at a single touch

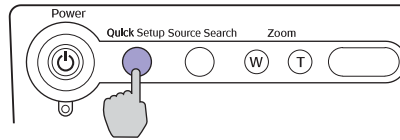
The following adjustments are carried out automatically at a single touch.

- Focus adjustment (Automatic Focus)
- Keystone correction (Auto Quick Corner)

This automatically corrects distortion of the projection area that occurs when the projector is tilted, so that images are projected at an aspect ratio of 4:3. If using a screen (4:3) for projection, this function can be used so that the projection area exactly fits the size of the screen.

Quick Setup

1. Press .



"The Quick Setup is in preparation." will be displayed.



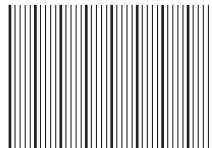
Borders

Projection area

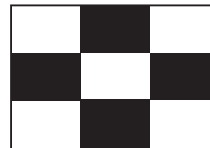
If projecting onto a screen, whiteboard or blackboard, adjust the projection area so that it fits within the edges of the screen or board. Be sure to adjust so that the top edge of the screen is inside the projection area. If projecting onto a wall or other surface, adjust the projection area to the desired position and size.

Quick Setup

2. Press  once more.



(While automatic focus is running)



(While Auto Quick Corner is running)

Adjustment of the projection area will start. While the adjustment is in progress, the screens left will be displayed to measure conditions of the projection surface.

### Simple!

Focusing and keystone correction will be complete after

Quick Setup

 is pressed.

You can also use this function together with the Wall Shot function.

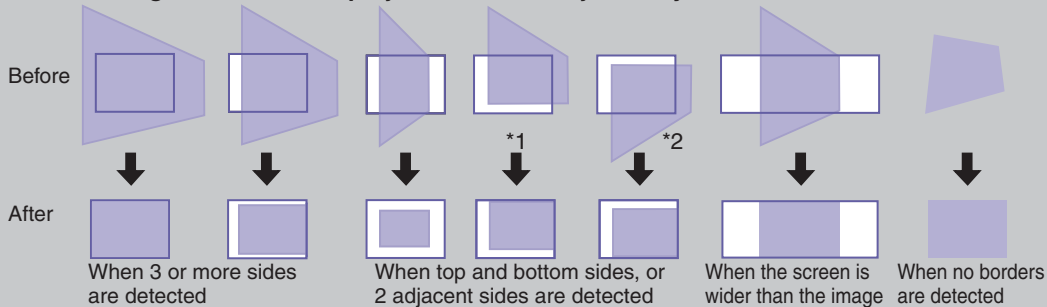


User's Guide

"List of Configuration Menu Commands"



The followings show how the projection area is adjusted by the Auto Quick Corner.



The Auto Quick Corner works properly by doing the following beforehand.

\*1 When the "Projection" menu is set to "Front", adjust the projection area so that the top edge of the screen frame is inside the area.

\*2 When the "Projection" menu is set to "Front/Ceiling", adjust the projection area so that the bottom edge of the screen frame is inside the area.

## Turning the Projector Off

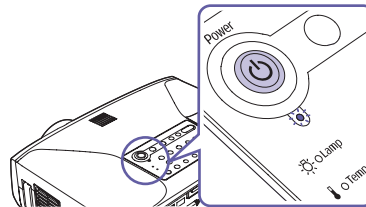
User's Guide "Turning the Projector Off"

**1** Turn off the equipment that is connected to the projector.

**2** Press twice to turn the projector's power off.

**Simple!**

"Direct Power OFF" function lets you turn the power off by a circuit breaker or by disconnecting the power cable without pressing .



- If the message "The projector is overheating. Clean or replace the air filter and lower the room temperature." appears during projection of images, press to turn the power off and then clean or replace the air filters.

- User's Guide "Cleaning the Air Filters and Air Intake Vent" "Replacing the Air Filters"

- Set the remote control [R/C] switch to "OFF" after use. The battery life will be reduced if it is left "ON" unnecessarily.

After using the projector, you can disconnect the power cable and move the projector straight away.

# Useful Functions

## Projecting onto Black Board or Wall

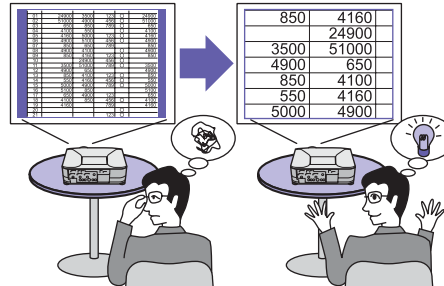
- Wall Shot 🖱️ p.10



- Adjusts images to their natural colours

## Enlarging a Portion of Image

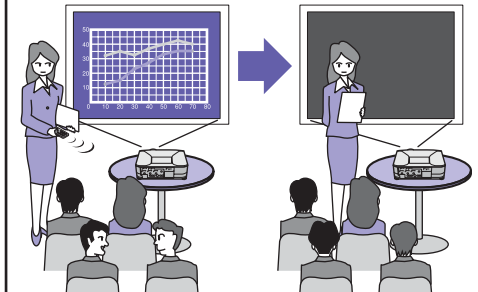
- E-Zoom 🖱️ p.11



- Detailed diagrams, or small print are easily viewable by enlarging them

## Pausing Images and Sound Momentarily

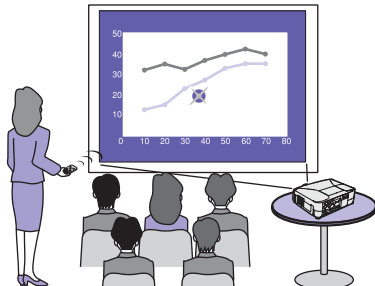
- A/V Mute 🖱️ p.10



- Let attendances concentrate on your conversation by stopping projection momentarily
- Pause projection while switching files

## Indicating a Part of Image to Explain

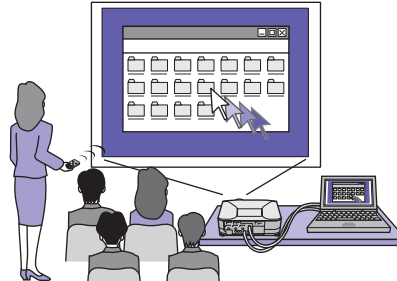
- Pointer 🖱️ p.11



- Make clear which part of the image is explained, or bring a part to everyone's attention

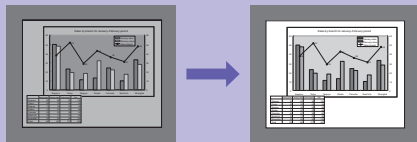
## Giving a Presentation without a Mouse

- Wireless Mouse 🖱️ p.12



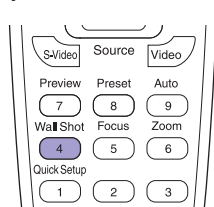
- Control a mouse pointer from a place away from the computer using the remote control

## If projecting onto a blackboard or wall



### ■ Wall Shot function

This automatically adjusts the image colours so that natural colours can be obtained even when the projection area is not white in colour or if the screen is near a bright place such as a window.



1. Press <sup>WallShot</sup> 4 .

The current status is displayed on the screen.

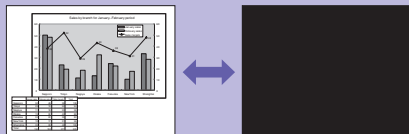
2. Press <sup>WallShot</sup> 4 while the status is displayed to change it to "Wall Shot ON".

Colours in the order red → green → blue → black will be projected for approximately five seconds, and then the corrected images will be displayed.

👉 User's Guide "Projecting Easy-to-see Images Without a Screen (Wall Shot)"

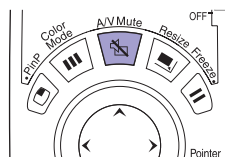
When the projector's power is turned off, images will be projected next time with the status set to "Wall Shot OFF". If projecting in the same location as before, press <sup>WallShot</sup> 4 twice, you can project images using the previous adjustment values without needing to repeat the measurements. The status will change in the order "Wall Shot OFF" → "Wall Shot ON" → "Wall Shot Memory Call" each time <sup>WallShot</sup> 4 is pressed.

## Temporarily turning off images and sound



### ■ A/V Mute function

Use this function when you would like to momentarily stop viewing the images being projected, such as if you would like to talk briefly or to switch the file being projected.



Press <sup>A/V Mute</sup> A/V Mute .

The images and sound are turned off (A/V mute active).

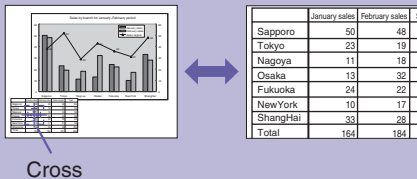
Press <sup>A/V Mute</sup> A/V Mute once more.

The A/V mute is cancelled.

👉 User's Guide "A/V Mute Function"

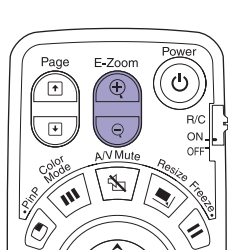
- If you use this function when projecting moving images, the images and sound will still continue to be played back by the source, and you cannot return to the point where the A/V mute function was activated.
- The screen that is displayed while the A/V mute function is active can be set to a black or blue screen or a user's logo using "Extended" - "Display" - "A/V Mute" in the configuration menu.

## Enlarging part of a projected image



## E-Zoom function

Use when you would like to enlarge part of a graph or table to view it.




1. Press .

A cursor (cross) will appear on the screen.

2. Move the cross to the area of the image that is to be enlarged.

Tilt .

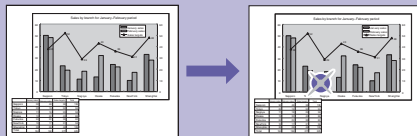
3. To enlarge: Press .

To reduce the enlarged area size: Press .

Press  to cancel.

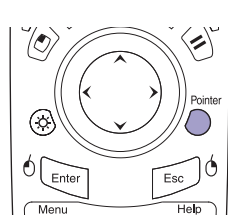
 User's Guide "E-Zoom Function"

## Indicating part of an image



## Pointer function

You can use a pointer to indicate important parts of an image, or bring a part to everyone's attention.




1. Press .

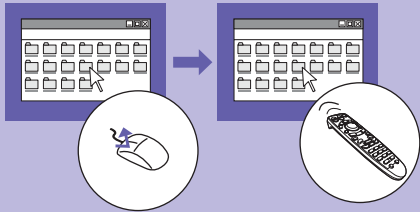
A Pointer will be displayed.

2. Tilt  to move the pointer.

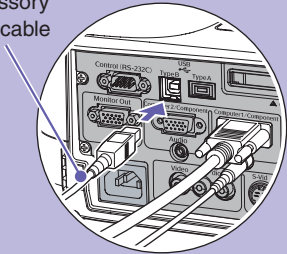
Press  to cancel. The pointer will disappear.

You can use the "Setting" - "Pointer" setting in the configuration menu to set the type and size and the movement speed for the pointer.  User's Guide "Pointer Function"

# Operating the mouse pointer using the remote control



Accessory USB cable



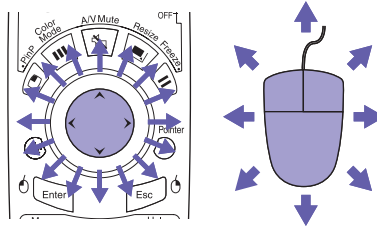
To use the wireless mouse function, you need to connect the computer using a USB cable in addition to the computer cable.

Use the accessory USB cable to connect the USB port of a computer to the projector's [USB TypeB] port.

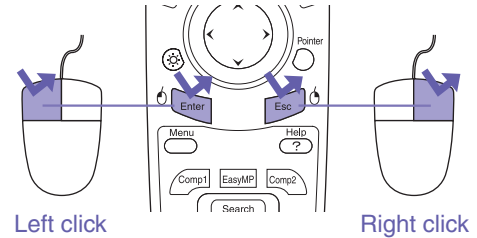
## ■ Wireless mouse function

When computer images are being projected, you can use the accessory remote control to operate the computer's mouse pointer.

### Moving the mouse pointer



### Mouse clicks



Double-click: Press twice in rapid succession.

### Drag and drop

1. Hold down for approx. 1.5 seconds. lights and drag and drop mode is enabled.
2. Tilt to drag an item.
3. Press to drop the item.

You can also drag and drop in the same way using .

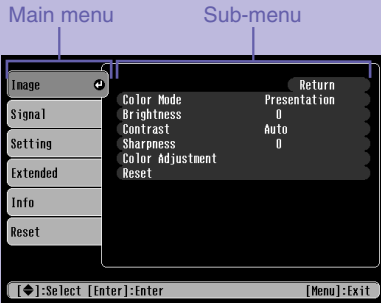
This is useful for displaying the previous or next slide in a PowerPoint slideshow.


The wireless mouse function may not work on some operating system versions or with some functions.

User's Guide

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

# List of Configuration Menu Commands



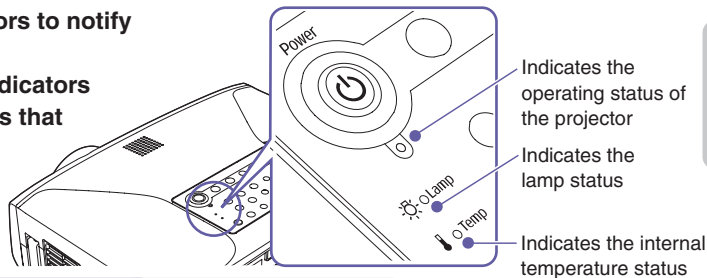
Press  to display the configuration menu. The configuration menu lets you make settings such as startup operations and brightness and tint adjustments.

<b>Image</b>	<b>During computer input or EasyMP (EMP-835 only)</b>	<b>During component video input</b> During S-Video or composite video input		<b>Setting</b>	Quick Setup
	Color Mode	Color Mode	Brightness		Keystone
<b>Signal</b>	<b>During computer input</b>	<b>During component video input</b>	<b>During S-Video or composite video input</b>	<b>Extended</b>	Operation Lock
	Auto Setup	Position	Position		Pointer
<b>Info</b>	<b>During computer or component video input</b>	<b>During S-Video or composite video input</b>	<b>EasyMP (EMP-835 only)</b>	<b>Reset</b>	Brightness Control
	Lamp Hours (High Brightness) (Low Brightness)	Lamp Hours (High Brightness) (Low Brightness)	Lamp Hours (High Brightness) (Low Brightness)		PinP Options
	Source	Source	Source	Audio	
	Input Signal	Video Signal		Reset	
	Resolution				
	Refresh Rate				
	Sync Info				

\*EMP-830 only

# Reading the Indicators

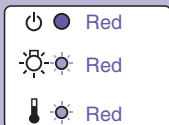
The projector is provided with indicators to notify you of the projector operating status. The following tables show what the indicators mean and how to remedy the problems that they indicate.



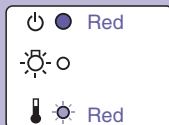
If all indicators are switched off, check that the power cable is connected correctly and that power is being supplied normally.

## When the Power indicator is lit/flashing red Problem/Warning

● lit ☀ flashing ○ off



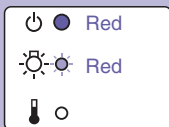
Internal error



Fan related error/  
Sensor error



**Disconnect the power cable from the electrical outlet. Then contact your dealer or the nearest address provided in the "International Warranty Conditions" section of the *Safety Instructions/World-Wide Warranty Terms* booklet.**



Lamp open error  
Lamp timer failure  
Lamp out  
Lamp cover is open



**Check if the lamp is broken. Disconnect the power plug from the electrical outlet and wait for the lamp to cool down sufficiently (takes about one hour) before checking.** 🖱 p.16

**If the lamp is not broken**

Replace the lamp and then turn the power on.

If the lamp still does not turn on, replace it with a new lamp.

If the problem is still not solved after the lamp is replaced, stop using the projector and disconnect the power cable from the electrical outlet. Then contact your dealer or the nearest address provided in the "International Warranty Conditions" section of the *Safety Instructions/World-Wide Warranty Terms* booklet.

**If the lamp is broken**

Contact your local dealer for further advice.



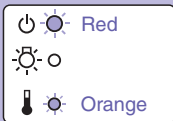
**Internal temperature error (overheating)**



The lamp will switch off automatically and projection will stop. Wait for approximately 5 minutes. Then disconnect the power cable and check the points to the right.

- If the projector is close to a wall, move it away from the wall.

If the problem is not fixed, stop using the projector and disconnect the power plug from the electrical outlet. Then contact your dealer or the nearest address provided in the "International Warranty Conditions" section of the *Safety Instructions/World-Wide Warranty Terms* booklet.



**High-speed cooling in progress**



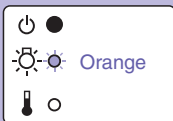
If you continue using the projector and the temperature rises again, the lamp will switch off automatically. Check the points to the right.

- Clean the air filters if they are blocked.

**If the Lamp indicator is flashing orange**

**Warning**

● lit ☀ flashing ○ off



**Lamp replacement notification**

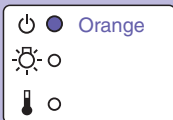


The lamp is near the end of its operating life. Replace the lamp with a new one as soon as possible. If you continue to use the old lamp, the possibility that the lamp may break will increase. p.16

**Power Indicator is lit or flashing green or orange**

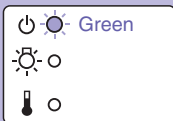
**Normal**

● lit ☀ flashing ○ off



**Standby condition**

Press , and projection will soon start.



**Warm-up in progress**

The warm-up time is approximately 30 seconds. Do not unplug the power cable or turn off the breaker (direct power off) while warm-up is in progress. Doing so may cause an early deterioration of the lamp. For the same reason, will not work while warm-up is in progress.



**Projection in progress**

Normal operation is in progress.

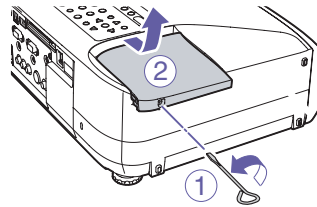


# Replacing the Lamp

## How to replace the lamp

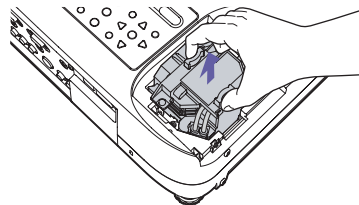
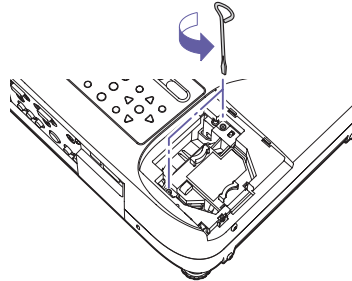
- 1** Disconnect the power cable.
- 2** Remove the lamp cover at the side of the projector.
- 3** Loosen the two lamp fixing screws.
- 4** Hold the knob and pull out the old lamp.

Use the screwdriver that is supplied with the spare lamp or your own cross head screwdriver.

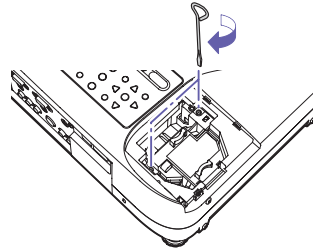


Remove the cover when the projector has sufficiently cooled down. It takes about one hour after the power is turned off for the lamp to become sufficiently cool.

- 1** Loosen the lamp cover fixing screw.
- 2** Slide the lamp cover straight out, and then lift it up to remove it.

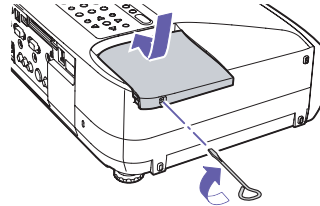


## 5 Install the new lamp.



Holding the lamp facing the correct way, insert the lamp until it clicks into place then tighten the two fixing screws.

## 6 Install the lamp cover.



Slide the cover back to its original position and then tighten the lamp cover fixing screw at the side of the projector.

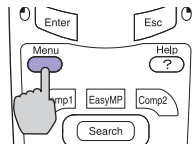
- Install the lamp securely. If the lamp cover is removed, the lamp turns off automatically as a safety precaution. Moreover, the lamp will not turn on if the lamp or the lamp cover is not installed correctly.
- This product includes a lamp component that contains mercury (Hg). Please consult your state and local regulations regarding disposal or recycling. Do not put in the trash.

Reset the lamp operating time as described in the following section.

## Resetting the lamp operating time


After replacing the lamp, be sure to reset the lamp operating time from the configuration menu.


Do not reset the lamp operating time except after the lamp has been replaced. If you do, the lamp operating time will no longer be displayed correctly.



1. Press  .

The configuration menu is displayed.

2. Select "Reset" - "Lamp-Hours Reset" and press  .

3. Select "Yes" then press  .

The lamp operating time is reset.



# Contents of the Manuals on the Document CD-ROM

The manuals on the Document CD-ROM have the following contents.

## User's Guide

Features of the Projector

### Before Using the Projector

Part Names and Functions  
Before Using the Remote Control  
Installation

Inserting and Removing Cards  
(EMP-835 only)

Connecting to a Computer  
Connecting an External Monitor  
Network Cable Connections

Connecting to a Video Source  
Playing Sound from Connected Equipment  
Playing Sound from External Speakers  
Connecting USB Devices (Digital Camera, Hard  
Disk Drive or Memory Devices) (EMP-835 Only)

### Basic Operations

Turning the Projector On  
Turning the Projector Off  
Adjusting the Volume  
Preventing Theft (Password Protect)

### Advanced Operations

Functions for Enhancing Projection  
Adjusting Projected Images Manually  
Configuration Menus  
List of Configuration Menu Commands  
Monitoring and Controlling Projectors  
via a Network (for the EMP-830)

### Troubleshooting

Using the Help  
Problem Solving

### Appendices

Maintenance  
Saving a User's Logo  
Optional Accessories and Consumables  
Glossary  
List of ESC/VP21 Commands  
PJLink (EMP-835 only)  
List of Supported Monitor Displays  
Specifications  
Appearance

## EasyMP Operation Guide (EMP-835 Only)

### Projecting Computer Images via a Network (Network Screen)

Using the Toolbar  
If No Connected Projectors Appear  
Security Countermeasures for Wireless LAN

### Preparing a Presentation (Using EMP SlideMaker2)

Procedures for Making a Presentation without a Computer  
Files that Can be Included in Scenarios  
Creating a Scenario  
Sending a Scenario  
What Do You Do When

### Showing the Presentation (Using the CardPlayer)

Files that Can be Projected by the CardPlayer  
Using CardPlayer  
Projecting Scenarios  
Projecting Image and Movie Files  
Setting Image and Movie Files Display Conditions and Operation Mode

### Using a Computer to Set Up, Monitor and Control Projectors

Changing Settings Using a Web Browser (EasyWeb)  
Using the Mail Notification Function to Report Problems  
Management Using SNMP

## EMP Monitor Operation Guide

### What You Can Do With EMP Monitor

Operating Environment  
Before Starting Operations

### Registering Projectors for Monitoring

Registration Using Automatic Detection  
Registration Using IP Address (Manual Registration)  
Editing the Manually-Registered Projector List  
Deleting a Projector from the Projector List

### Main EMP Monitor Window

Button Functions  
Understanding the Projector List  
Displaying Detailed Information

### If a Projector Cannot be Monitored or Controlled Using EMP Monitor

## EMP NetworkManager Operation Guide (EMP-830 Only)

### What You Can Do With EMP

#### NetworkManager

Operating Environment  
Installation and Uninstallation  
Before Operations

#### Starting the EMP NetworkManager

Projector Icons

#### Connecting to the Projector

### Setting Network Parameters

Basic Network Settings  
Setting the Mail Notification Function  
Setting the SNMP

### If the Required Projector is Not Displayed

Connection by Specifying an IP Address  
Importing the List Registered by EMP Monitor

### If a Problem Notification E-mail Message has been Sent

# Names and Functions of the Main Remote Control Buttons

## [E-Zoom] buttons

[+] : Enlarges the image without changing the projection area size.  
[-] : Reduces images that have been enlarged using [+].

## [Page] buttons

[<][>] : Let you switch to the previous or next slide in a PowerPoint slideshow while using the wireless mouse function or while running Network Screen (EMP-835 only).

## [Enter(↵)] button

Accepts an item selection and displays the next level of menu. When using the wireless mouse function, it works in the same way as a left mouse click.

## [Menu] button

Displays or hides the configuration menu.

## [Search] button

Automatically searches for and projector input source.

## [Preview] button

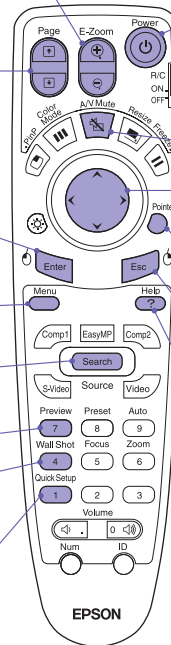
Turns the preview function on or off.

## [Wall Shot] button

Automatically corrects the image colour when projecting onto a blackboard or wall.

## [Quick Setup] button

Adjusts focus and corrects keystone distortion at a single touch.



## [Power] button

Turns the projector's power on or off.

## [R/C] switch

Turns the remote control's power on or off. The remote control cannot be used unless it is set to "ON".

## [A/V Mute] button

Temporarily turns the image and sound off, or back on if they are already off.

## [●] button

Selects items and setting values while a configuration menu or help is displayed. Moves the pointer when using the wireless mouse function.

## [Pointer] button

Displays or hides the pointer.

## [Esc(⏏)] button

Cancels the current function. Returns to a previous level while a configuration menu or help is displayed. When using the wireless mouse function, it works in the same way as a right mouse click.

## [Help] button

Displays or hides the help.



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