PowerLite® 92/93/95/96W/905/915W/1835 User's Guide



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Contents

Introduction to Your Projector	(
Projector Features	9
Product Box Contents	. 10
Additional Components	. 1
Optional Equipment and Replacement Parts	12
Registration and Warranty Information	. 1
Notations Used in the Documentation	. 1
Where to Go for Additional Information	. 1
Projector Parts Locations	. 14
Projector Parts - Front/Top	. 1
Projector Parts - Rear	. 1
Projector Parts - Base	. 1
Projector Parts - Control Panel	. 1
Projector Parts - Remote Control	. 19
Setting Up the Projector	. 2
Projector Placement	. 2
Projector Setup and Installation Options	. 2
Projection Distance	. 2
Projector Connections	. 2
Connecting to Computer Sources	. 2
Connecting to a Computer for USB Video and Audio	. 2
Connecting to a Computer for VGA Video	. 2
Connecting to a Computer for HDMI Video and Audio	. 2
Connecting to a Computer for USB Mouse Control	. 2
Connecting to a Computer for Sound	
Connecting to Video Sources	
Connecting to an HDMI Video Source	. 3
Connecting to a Component-to-VGA Video Source	
Connecting to a Composite Video Source	
Connecting to an S-Video Video Source	. 3

	Connecting to a Video Source for Sound	33
	Connecting to an External Computer Monitor	34
	Connecting to External Speakers	34
	Connecting a Microphone	35
	Connecting to External USB Devices	36
	USB Device Projection	36
	Connecting a USB Device or Camera to the Projector	36
	Selecting the Connected USB Source	37
	Disconnecting a USB Device or Camera From the Projector	37
	Connecting to a Document Camera	38
	Installing Batteries in the Remote Control	38
	Opening the Lens Cover	40
Using	the Projector on a Network	42
	Wired Network Projection	42
	Connecting to a Wired Network	42
	Selecting Wired Network Settings	43
	Wireless Network Projection	45
	Installing the Wireless LAN Module	46
	Using Quick Wireless Connection (Windows Only)	49
	Selecting Wireless Network Settings Manually	49
	Wireless LAN Menu Settings	52
	Selecting Wireless Network Settings in Windows	53
	Selecting Wireless Network Settings in Mac OS	53
	Setting Up Wireless Network Security	54
	Wireless Security Menu Settings	55
	Setting Up Projector Network E-Mail Alerts	56
	Network Projector E-mail Alert Messages	58
	Setting Up Monitoring Using SNMP	58
	Controlling a Networked Projector Using a Web Browser	60
	Crestron RoomView Support	61
	Setting Up Crestron RoomView Support	62
	Controlling a Networked Projector Using Crestron RoomView	63

Using Basic Projector Features	65
Turning On the Projector	65
Turning Off the Projector	67
Selecting the Language for the Projector Menus	69
Adjusting the Image Height	71
Image Shape	72
Correcting Image Shape With Quick Corner	72
Correcting Image Shape With the Keystone Buttons	74
Resizing the Image With the Zoom Ring	75
Focusing the Image Using the Focus Ring	75
Remote Control Operation	76
Using the Remote Control as a Wireless Mouse	77
Using the Remote Control as a Presentation Pointer	78
Selecting an Image Source	79
Projection Modes	80
Changing the Projection Mode Using the Remote Control	81
Changing the Projection Mode Using the Menus	81
Image Aspect Ratio	
Changing the Image Aspect Ratio	83
Available Image Aspect Ratios	84
Color Mode	85
Changing the Color Mode	85
Available Color Modes	86
Turning On Auto Iris	86
Controlling the Volume With the Volume Buttons	87
Projecting a Slide Show	88
Slideshow Presentations	
Supported Slideshow File Types	89
Starting a Slide Show or Presentation	89
Slideshow Display Options	91
Adjusting Projector Features	93
Shutting Off the Picture and Sound Temporarily	93
Stopping Video Action Temporarily	94

	Zooming Into and Out of Images	94
	Projector Security Features	95
	Password Security Types	96
	Setting a Password	96
	Selecting Password Security Types	98
	Entering a Password to Use the Projector	99
	Saving a User's Logo Image to Display	100
	Locking the Projector's Buttons	103
	Unlocking the Projector's Buttons	104
	Installing a Security Cable	104
	Creating a User Pattern to Display	105
Adj	usting the Menu Settings	108
•	Using the Projector's Menus	
	Image Quality Settings - Image Menu	110
	Input Signal Settings - Signal Menu	111
	Projector Feature Settings - Settings Menu	114
	Projector Setup Settings - Extended Menu	117
	Projector Network Settings - Network Menu	121
	Projector Information Display - Info Menu	123
	Event ID Code List	125
	Projector Reset Options - Reset Menu	126
Mai	ntaining and Transporting the Projector	128
	Projector Maintenance	
	Cleaning the Lens	128
	Cleaning the Projector Case	129
	Air Filter and Vent Maintenance	129
	Cleaning the Air Filter and Vents	129
	Replacing the Air Filter	130
	Projector Lamp Maintenance	132
	Replacing the Lamp	133
	Resetting the Lamp Timer	138
	Replacing the Remote Control Batteries	139
	Transporting the Projector	141

Solving Problems	142
Projection Problem Tips	142
Projector Light Status	142
Using the Projector Help Displays	145
Solving Image or Sound Problems	145
Solutions When No Image Appears	146
Solutions When Image is Incorrect Using the USB Display Function	147
Solutions When "No Signal" Message Appears	
Displaying From a PC Laptop	147
Displaying From a Mac Laptop	148
Solutions When "Not Supported" Message Appears	148
Solutions When Only a Partial Image Appears	148
Solutions When the Image is Not Rectangular	149
Solutions When the Image Contains Noise or Static	149
Solutions When the Image is Fuzzy or Blurry	150
Solutions When the Image Brightness or Colors are Incorrect	151
Solutions When There is No Sound or Low Volume	152
Solutions to Microphone Problems	152
Solving Projector or Remote Control Operation Problems	153
Solutions to Projector Power or Shut-Off Problems	153
Solutions to Problems With the Remote Control	153
Solutions to Password Problems	154
Solutions When Network Alert E-Mails are Not Received	154
Where to Get Help	155
Technical Specifications	157
General Projector Specifications	
Projector Lamp Specifications	
Remote Control Specifications	
Projector Dimension Specifications	
Projector Electrical Specifications	
Projector Environmental Specifications	
Projector Safety and Approvals Specifications	
Supported Video Display Formats	

Noti	ces	168
	Important Safety Information	168
	Important Safety Instructions	
	FCC Compliance Statement	
	Trademarks	172
	Software Copyright	172
	Copyright Notice	199
	Copyright Attribution	

Introduction to Your Projector

Refer to these sections to learn more about your projector and this manual.

Projector Features
Notations Used in the Documentation
Where to Go for Additional Information
Projector Parts Locations

Projector Features

The PowerLite 92/93/95/96W/905/915W/1835 projectors include these special features:

Bright, high-resolution projection system

- PowerLite 92/93: Up to 2400 lumens of brightness (white light output and color light output)
 PowerLite 95: Up to 2600 lumens of brightness (white light output and color light output)
 PowerLite 96W: Up to 2700 lumens of brightness (white light output and color light output)
 PowerLite 905: Up to 3000 lumens of brightness (white light output and color light output)
 PowerLite 915W: Up to 3200 lumens of brightness (white light output and color light output)
 PowerLite 1835: Up to 3500 lumens of brightness (white light output and color light output)
- PowerLite 92/93/95/905/1835: Native resolution of 1024 x 768 pixels (XGA)
 PowerLite 96W/915W: Native resolution of 1280 x 800 pixels (WXGA)

Flexible connectivity

- Plug-and-play USB projection, including video and audio
- HDMI port for computer or video device connection
- Wired network support (not available on PowerLite 92)
- Projector monitoring and control via remote network computer (not available on PowerLite 92)
- Optional wireless network support, including video and audio transfer (PowerLite 95/96W/905/915W/1835)
- PC Free presentations via connected USB memory devices or Epson document camera
- Dual VGA ports for connections by multiple presenters
- Port for connecting an external monitor or second projector

Port for connecting a microphone (PowerLite 95/96W/905/915W/1835)

Innovative display and operation features

- Low total cost of ownership with long-life projector lamp and high-efficiency air filter
- High optical zoom ratio for larger images in shorter projection distances
- 2000:1 contrast ratio and Auto Iris control for crisply detailed images
- Tall projector foot for increased positioning flexibility
- Powerful 16 W speaker system with audio out port for connecting external speakers
- Epson Instant Off and Direct Power On features for guick setup and shut down
- Support for Crestron RoomView network monitoring systems (PowerLite 93/95/96W/905/915W/1835)
- Network message broadcast system to project timely messages to all networked projectors (PowerLite 95/96W/905/915W/1835)

Product Box Contents

Additional Components

Optional Equipment and Replacement Parts

Registration and Warranty Information

Parent topic: Introduction to Your Projector

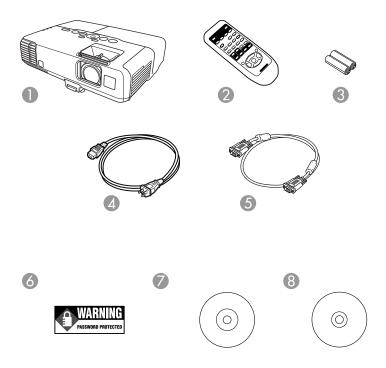
Related concepts

Projector Parts Locations

Product Box Contents

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

Make sure your projector box included all of these parts:



- 1 Projector
- 2 Remote control
- 3 Remote control batteries (two AA alkaline)
- 4 Power cord
- 5 VGA computer cable
- 6 Password Protected sticker
- 7 Projector documentation CD-ROM
- 8 Projector software CD-ROM

Parent topic: Projector Features

Additional Components

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

- To receive an S-Video signal, you need an S-Video cable. This may be provided with your video device, or you can purchase one from Epson or an authorized Epson reseller.
- To receive a component video signal, you need a D-sub, 15-pin, component-to-VGA video cable. You can purchase one from Epson or an authorized Epson reseller.
- To receive an HDMI signal, you need a compatible HDMI cable.
- To project with audio from certain ports, you may need a commercially available audio cable compatible with your device. See your local computer or electronics dealer for purchase information.

Parent topic: Projector Features

Optional Equipment and Replacement Parts

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

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

Option or part	Part number
Genuine Epson replacement lamp	V13H010L60
(PowerLite 92/93/95/96W/905)	
Genuine Epson replacement lamp	V13H010L61
(PowerLite 915W/1835)	
Air filter replacement set (2 filters)	V13H134A29
Wireless LAN module (ELPAP07)	V12H418P12
(PowerLite 95/96W/905/915W/1835)	
Quick Wireless Connection USB key (ELPAP08)	V12H005M08
(PowerLite 95/96W/905/915W/1835)	
Epson DC-11 document camera	V12H377020
Epson DC-10s document camera	ELPDC10S

Option or part	Part number
Epson DC-06 document camera	V12H321005
BrightLink Solo interactive module	V12H415020
BrightLink Solo interactive module with RM Easiteach	V12H415020RM
AP-60 Projector Sound Solution	V12H329020
Universal projector ceiling mount	ELPMBPJF
Adjustable suspended ceiling channel kit	ELPMBP01
False ceiling plate kit	ELPMBP02
Structural round ceiling plate	ELPMBP03
Adjustable extension column (pipe) 8" - 11" (20 to 28 cm)	ELPMBC01
Kensington security lock	ELPSL01
Accolade Duet portable projector screen	ELPSC80
ES-3000 Ultra portable projector screen	V12H002S3Y
50-inch portable screen	ELPSC06
Component-to-VGA video cable (ELPKC19)	V12H005C19
Soft shoulder case for projector and laptop	ELPKS61
1-Year Extended Depot Repair Service Plan	EPPFTPA1
1-Year Extended Exchange Warranty	EPPEXPA1
2-Year Extended Depot Repair Service Plan	EPPFTPA2

Parent topic: Projector Features

Registration and Warranty Information

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

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

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

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

Parent topic: Projector Features

Notations Used in the Documentation

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

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

Parent topic: Introduction to Your Projector

Where to Go for Additional Information

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

• Built-in help system

Press the **Help** button on the remote control or projector to get quick solutions to common problems.

- www.epson.com/support (U.S) or www.epson.ca/support (Canada)
 - View FAQs (frequently asked questions) and e-mail your questions to Epson technical support 24 hours a day.
- For detailed instructions on using your projector in a network environment (PowerLite 95/96W/905/915W/1835), see the EasyMP Network Projection Operation Guide installed with this manual from your projector CD.
- If you still need help after checking this manual and the sources listed above, you can use the Epson PrivateLine Support service to get help fast. For details, see "Where to Get Help".

Parent topic: Introduction to Your Projector

Related references Where to Get Help

Projector Parts Locations

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

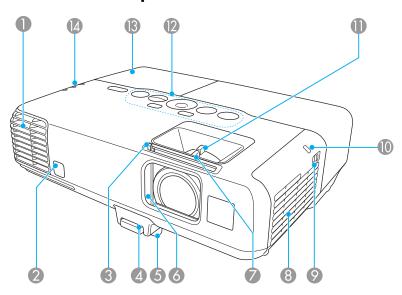
Projector Parts - Front/Top Projector Parts - Rear Projector Parts - Base

Projector Parts - Control Panel

Projector Parts - Remote Control

Parent topic: Introduction to Your Projector

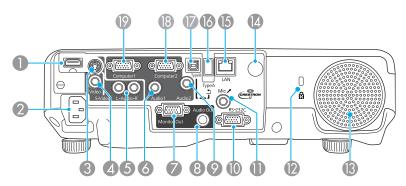
Projector Parts - Front/Top



- 1 Exhaust vent
- 2 Remote receiver
- 3 **A/V Mute** slide lever
- 4 Foot release lever
- 5 Front adjustable foot
- 6 **A/V Mute** slide (lens cover)
- 7 Focus ring
- 8 Air intake vent (air filter)
- 9 Air filter cover latch

- 10 Wireless LAN module indicator light (PowerLite 95/96W/905/915W/1835)
- 11 Zoom ring
- 12 Control panel
- 13 Lamp cover
- 14 Projector status lights

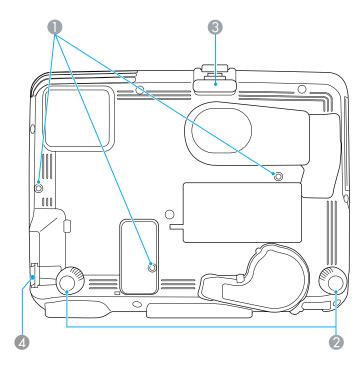
Projector Parts - Rear



- 1 **HDMI** port
- 2 A/C input port
- 3 **S-Video** port
- 4 Video port
- 5 **L-Audio-R** audio ports
- 6 Audio1 port
- 7 **Monitor Out** port
- 8 Audio Out port
- 9 **Audio2** port
- 10 **RS-232C** port
- 11 **Mic** (microphone) port (PowerLite 95/96W/905/915W/1835)

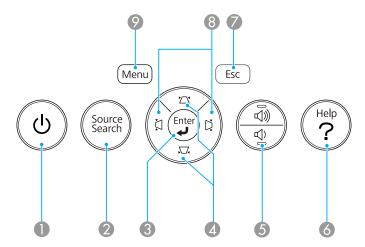
- 12 Security lock port
- 13 Speaker
- 14 Remote receiver
- 15 Network (**LAN**) port (PowerLite 93/95/96W/905/915W/1835)
- 16 USB **TypeA** port
- 17 USB **TypeB** port
- 18 Computer2 port
- 19 **Computer1** port

Projector Parts - Base



- 1 Mounting bracket holes
- 2 Rear feet
- 3 Front adjustable foot
- 4 Security lock slot

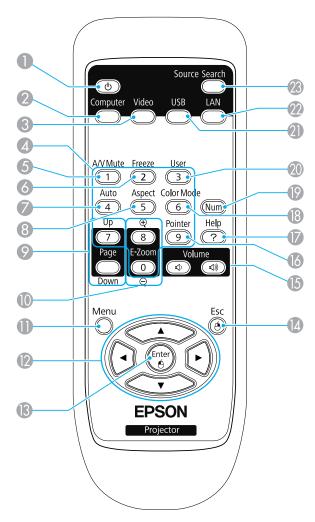
Projector Parts - Control Panel



- 1 Power button
- 2 **Source Search** button (searches for connected video sources)
- 3 Enter button (selects options)
- 4 Vertical keystone adjustment buttons (adjust screen shape) and arrow buttons
- 5 Volume adjustment buttons (adjust speaker volume)
- 6 **Help** button (accesses projector help information)
- 7 **Esc** button (cancels/exits functions)
- 8 Horizontal keystone adjustment buttons (adjust screen shape) and arrow buttons
- 9 **Menu** button (accesses projector menu system)

Related references
Projector Light Status

Projector Parts - Remote Control



- 1 Power button
- **Computer** button (cycles through connected computer sources)
- **Video** button (cycles through connected video sources)
- 4 Numeric buttons (enter numbers)
- **A/V Mute** button (turns off picture and sound)
- **Freeze** button (stops video action)
- **Auto** button (automatically adjusts position, tracking, and sync settings)
- **Aspect** button (selects the image aspect ratio)
- **Page Up/Down** buttons (control presentation slides)
- **E-Zoom +/-**buttons (zoom into and out of the image)
- **Menu** button (accesses projector menu system)
- 12 Arrow buttons (move through on-screen options and control wireless mouse functions)
- 13 Enter button (selects options and controls wireless mouse functions)
- **Esc** button (cancels/exits functions and controls wireless mouse functions)
- **Volume** up and down buttons (adjust speaker volume)
- **Pointer** button (activates on-screen pointer)
- **Help** button (accesses projector help information)
- **Color Mode** button (selects display modes)
- **Num** button (switches buttons to number function for entering numbers)
- **User** button (customizable for different functions)
- **USB** button (cycles through connected USB sources)
- **LAN** button (switches to available network sources; does not function on PowerLite 92)
- **Source Search** button (searches for connected sources)

Setting Up the Projector

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

Projector Placement
Projector Connections
Installing Batteries in the Remote Control
Opening the Lens Cover

Projector Placement

You can place the projector on almost any flat surface to project your presentation.

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

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

- Place the projector on a sturdy, level surface or install it using a compatible mount.
- Leave plenty of space around and under the projector for ventilation, and do not place it on top of or next to anything that could block the vents.
- Position the projector within 6 feet (2 m) of a grounded electrical outlet or extension cord.

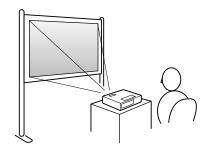
Projector Setup and Installation Options
Projection Distance

Parent topic: Setting Up the Projector

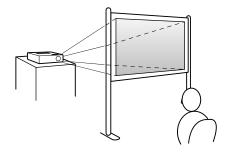
Projector Setup and Installation Options

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

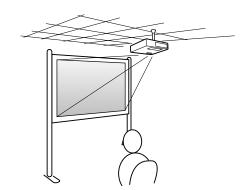
Front



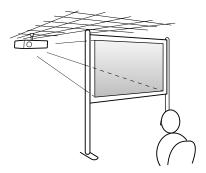
Rear



Ceiling



Rear Ceiling



Wherever you set up the projector, make sure to position it squarely in front of the center of the screen, not at an angle, if possible.

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

Parent topic: Projector Placement

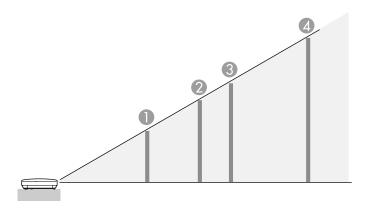
Related references

Projector Setup Settings - Extended Menu

Projection Distance

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

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



PowerLite 92/93/95

4:3 Aspect Ratio Image or Screen

	Screen or image size	Projection distance
		Wide to Tele
1	50 inches	59 to 71 inches (150 to 180 cm)
2	80 inches	95 to 114 inches (241 to 290 cm)
3	100 inches	119 to 143 inches (302 to 363 cm)
4	150 inches	179 to 215 inches (454 to 546 cm)

PowerLite 96W

16:10 Aspect Ratio Image or Screen

	Screen or image size	Projection distance
		Wide to Tele
1	50 inches	55 to 66 inches (139 to 168 cm)
2	80 inches	89 to 106 inches (225 to 270 cm)
3	100 inches	111 to 133 inches (281 to 338 cm)
4	150 inches	167 to 200 inches (424 to 509 cm)

PowerLite 905/1835

4:3 Aspect Ratio Image or Screen

	Screen or	Projection distance
	image size	Wide to Tele
1	50 inches	55 to 90 inches (140 to 229 cm)
2	80 inches	89 to 145 inches (226 to 368 cm)
3	100 inches	111 to 181 inches (283 to 460 cm)
4	150 inches	168 to 272 inches (426 to 692 cm)

PowerLite 915W

16:10 Aspect Ratio Image or Screen

	Screen or image size	Projection distance
		Wide to Tele
1	50 inches	59 to 96 inches (149 to 243 cm)
2	80 inches	94 to 154 inches (239 to 390 cm)
3	100 inches	118 to 192 inches (300 to 488 cm)
4	150 inches	178 to 289 inches (451 to 733 cm)

Parent topic: Projector Placement

Projector Connections

You can connect the projector to a variety of computer, video, and audio sources to display presentations, movies, or other images, with or without sound.

- Connect any type of computer that has a USB port, standard video output (monitor) port, or HDMI port.
- For video projection, connect devices such as DVD players, gaming consoles, digital cameras, and camera phones with compatible video output ports.
- If your presentation or video includes sound, you can connect audio input cables, if necessary.
- For presentations or slide shows without a computer, you can connect USB devices (such as a flash drive or camera) or an optional Epson document camera.

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

Connecting to Computer Sources

Connecting to Video Sources

Connecting to an External Computer Monitor

Connecting to External Speakers

Connecting a Microphone

Connecting to External USB Devices

Connecting to a Document Camera

Parent topic: Setting Up the Projector

Related references

Projector Setup Settings - Extended Menu

Product Box Contents

Connecting to Computer Sources

Follow the instructions in these sections to connect a computer to the projector.

Connecting to a Computer for USB Video and Audio

Connecting to a Computer for VGA Video

Connecting to a Computer for HDMI Video and Audio

Connecting to a Computer for USB Mouse Control

Connecting to a Computer for Sound

Parent topic: Projector Connections

Connecting to a Computer for USB Video and Audio

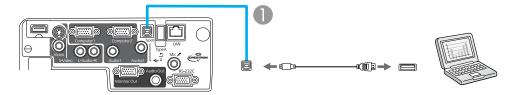
If your computer is using one of the following operating systems, you can send video and audio output to the projector through the computer's USB port (preferably USB 2.0):

- Windows 7
- Windows Vista (32-bit)
- Windows XP (32-bit)
- Windows 2000 Service Pack 4
- Mac OS X 10.5.1 or later
- Mac OS X 10.6.x

Connect the projector to your computer using a USB cable.

Note: The computer display resolution must be between 640×480 and 1600×1200 (Windows) or 1680×1200 (Macintosh) to project using USB. You cannot use the remote control's wireless mouse function when you use your projector's USB Type B port for presentation display. However, you can use the **Page Up** and **Page Down** buttons to move through a presentation.

- 1. In the projector's Extended menu, set the USB Type B setting to USB Display.
- 2. Turn on your computer.
- 3. Connect the cable to your projector's USB **TypeB** port.
- 4. Connect the other end to any available USB port on your computer.



- 1 USB TypeB port
- 5. Do one of the following:
 - **Windows**: Wait as messages appear on your computer screen and the projector installs the Epson USB Display software on your computer. Follow any on-screen instructions.

Note: For Windows 2000, select **My Computer**, **EPSON_PJ_UD**, and **EMP_UDSE.EXE** to install the Epson USB Display software.

• **Macintosh**: The USB Display setup folder appears on your screen. Select **USB Display Installer** and follow the on-screen instructions to install the Epson USB Display software.

You need to install this software only the first time you connect the projector to the computer.

The projector displays the image from your computer's desktop and outputs sound, if your presentation contains audio.

Parent topic: Connecting to Computer Sources

Related references

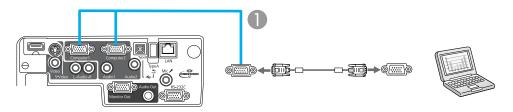
Projector Setup Settings - Extended Menu

Connecting to a Computer for VGA Video

You can connect the projector to your computer using a VGA computer cable.

Note: To connect a Macintosh that includes only a Mini DisplayPort or Mini-DVI port for video output, you need to obtain an adapter that allows you to connect to the projector's VGA video port. Contact Apple for compatible adapter options.

- 1. If necessary, disconnect your computer's monitor cable.
- 2. Connect the VGA computer cable to your computer's monitor port.
- 3. Connect the other end to a **Computer** port on the projector.



1 Computer1 or Computer2 port

4. Tighten the screws on the VGA connectors.

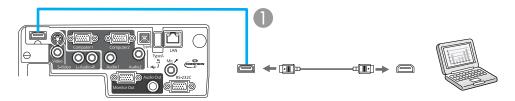
Parent topic: Connecting to Computer Sources

Connecting to a Computer for HDMI Video and Audio

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

- 1. Make sure the projector and your computer are turned off.
- 2. Connect the HDMI cable to your computer's HDMI output port.

3. Connect the other end to the projector's **HDMI** port.



1 **HDMI** port

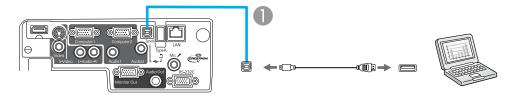
Parent topic: Connecting to Computer Sources

Connecting to a Computer for USB Mouse Control

If you connected your computer to a **Computer** or **HDMI** port on the projector, you can set up the remote control to act as a wireless mouse. This lets you control computer presentations at a distance from your computer. To do this, connect the projector to your computer using a USB cable.

Note: You cannot use the remote control's wireless mouse function when you use your projector's USB Type B port to project from a computer. However, you can use the **Page Up** and **Page Down** buttons to move through a presentation.

- 1. In the projector's **Extended** menu, set the **USB Type B** setting to **Wireless Mouse**.
- 2. Connect the USB cable to your projector's USB **TypeB** port.



- 1 USB **TypeB** port
- 3. Connect the other end to any available USB port on your computer.

4. If necessary, configure your computer to work with an external USB mouse. See your computer documentation for details.

Parent topic: Connecting to Computer Sources

Related references

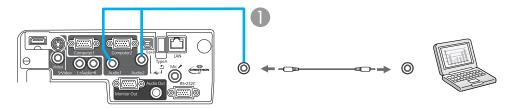
Projector Setup Settings - Extended Menu

Projector Parts - Remote Control

Connecting to a Computer for Sound

If your computer presentation includes sound and you did not connect it using the projector's USB **TypeB** or **HDMI** port, you can still play sound through the projector's speaker system. Just connect an optional 3.5 mm stereo mini-jack audio cable as described here.

- 1. Connect the audio cable to your laptop's headphone or audio-out jack, or your desktop's speaker or audio-out port.
- 2. Connect the other end to the **Audio** port that corresponds to the **Computer** port you are using.



1 Audio1 or Audio2 port

Parent topic: Connecting to Computer Sources

Connecting to Video Sources

Follow the instructions in these sections to connect video devices to the projector.

Connecting to an HDMI Video Source

Connecting to a Component-to-VGA Video Source

Connecting to a Composite Video Source

Connecting to an S-Video Video Source

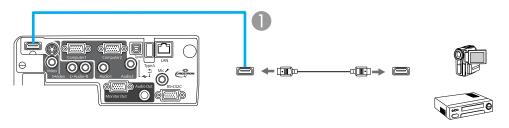
Connecting to a Video Source for Sound

Parent topic: Projector Connections

Connecting to an HDMI Video Source

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

- 1. Make sure the projector and your video source are turned off.
- 2. Connect the HDMI cable to your video source's HDMI output port.
- 3. Connect the other end to the projector's **HDMI** port.



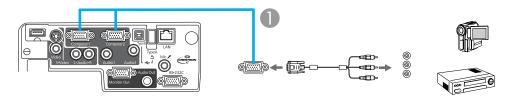
1 **HDMI** port

Parent topic: Connecting to Video Sources

Connecting to a Component-to-VGA Video Source

If your video source has component video ports, you can connect it to the projector using a component-to-VGA video cable. Depending on your component ports, you may need to use an adapter cable along with a component video cable.

- 1. Make sure the projector and your video source are turned off.
- 2. Connect the component connectors to your video source's color-coded component video output ports, usually labelled Y, Pb, Pr or Y, Cb, Cr. If you are using an adapter, connect these connectors to your component video cable.
- 3. Connect the VGA connector to the projector's **Computer** port.



1 Computer1 or Computer2 port

If your image colors appear incorrect, you may need to change the **Input Signal** setting in the projector's **Signal** menu.

Parent topic: Connecting to Video Sources

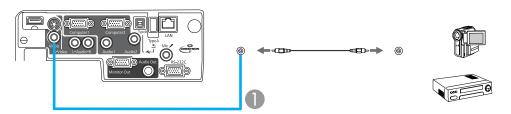
Related references

Input Signal Settings - Signal Menu

Connecting to a Composite Video Source

If your video source has a composite video port, you can connect it to the projector using an optional RCA-style video or A/V cable.

- 1. Make sure the projector and your video source are turned off.
- 2. Connect the cable with the yellow connector to your video source's yellow video output port.
- 3. Connect the other end to the projector's Video port.



1 Video port

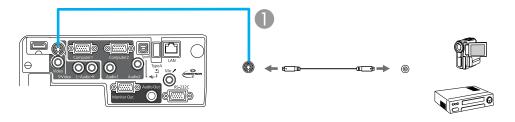
Parent topic: Connecting to Video Sources

Connecting to an S-Video Video Source

If your video source has an S-Video port, you can connect it to the projector using an optional S-Video cable.

- 1. Make sure the projector and your video source are turned off.
- 2. Connect the S-Video cable to your video source's S-Video output port.

3. Connect the other end to the projector's **S-Video** port.



1 S-Video port

Parent topic: Connecting to Video Sources

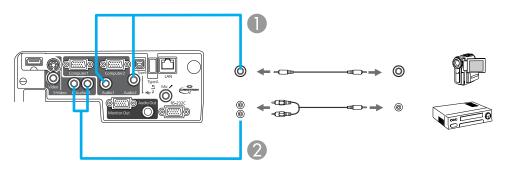
Connecting to a Video Source for Sound

You can play sound through the projector's speaker system if your video source has audio output ports.

If you are projecting video using a **Computer** port, connect the projector to the video source using an optional stereo mini-jack audio cable.

If you are projecting video using the **Video** or **S-Video** port, connect the projector to the video source using an optional stereo mini-jack adapter cable (with one 3.5 mm mini-plug and two RCA plugs).

- 1. Connect the audio cable to your video source's audio-out ports.
- 2. Do one of the following:
 - Connect the other end of the cable to the projector's **Audio** port that corresponds to the **Computer** port you are using for video.
 - Connect the red and white plugs on the other end of the cable to the projector's **L-Audio-R** ports.



- 1 Audio1 or Audio2 port
- 2 **L-Audio-R** ports

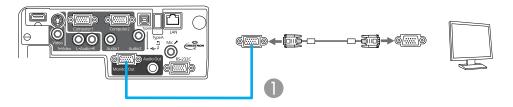
Parent topic: Connecting to Video Sources

Connecting to an External Computer Monitor

If you connected the projector to a computer using a **Computer** port, you can also connect an external monitor to the projector. This lets you see your presentation on the external monitor even when the projected image is not visible.

Note: Monitors that use a refresh rate less than 60 MHz may not be able to display images correctly.

- 1. Make sure your computer or video source is connected to the projector's **Computer** port. If there are two computer ports, make sure you use the **Computer1** port.
- 2. Connect the external monitor's cable to your projector's **Monitor Out** port.



1 Monitor Out port

Parent topic: Projector Connections

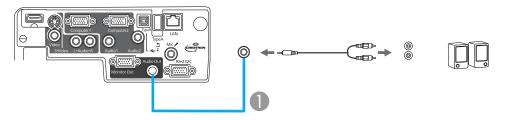
Connecting to External Speakers

To enhance the sound from your presentation, you can connect the projector to external speakers with built-in amplifiers. You can control the volume using the projector's remote control.

Note: The projector's built-in speaker system is disabled when you connect external speakers.

1. Make sure your computer or video source is connected to the projector with both audio and video cables as necessary.

- 2. Locate the appropriate cable to connect your external speakers, such as a stereo mini-jack-to-pin-jack cable, or another type of cable or adapter.
- 3. Connect one end of the cable to your external speakers as necessary.
- 4. Connect the stereo mini-jack end of the cable to your projector's Audio Out port.



1 Audio Out port

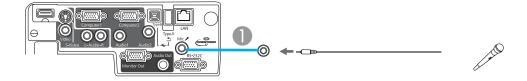
Parent topic: Projector Connections

Connecting a Microphone

You can connect a microphone to the projector's **Mic** port to provide audio support during presentations (PowerLite 95/96W/905/915W/1835).

Note: If you connect a condenser microphone with plug-in power support, turn on the **Plug-in Power** setting in the Extended menu.

1. Connect the microphone cable to the projector's **Mic** port.



2. Turn on the microphone, if necessary.

Parent topic: Projector Connections

Related references

Projector Setup Settings - Extended Menu

Connecting to External USB Devices

Follow the instructions in these sections to connect external USB devices to the projector.

USB Device Projection

Connecting a USB Device or Camera to the Projector

Selecting the Connected USB Source

Disconnecting a USB Device or Camera From the Projector

Parent topic: Projector Connections

USB Device Projection

You can project images and other content without using a computer or video device by connecting any of these devices to your projector:

- USB flash drive
- Digital camera or camera phone
- USB hard drive
- Multimedia storage viewer
- USB memory card reader

Note: Digital cameras or camera phones must be USB-mounted devices, not TWAIN-compliant devices.

You can project slide shows from image files on a connected USB device or memory card reader.

Parent topic: Connecting to External USB Devices

Related topics

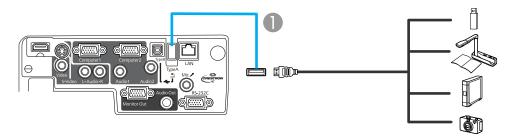
Projecting a Slide Show

Connecting a USB Device or Camera to the Projector

You can connect your USB device or camera to the projector's USB Type A port and use it to project a slide show or presentation.

1. If your USB device came with a power adapter, plug the device into an electrical outlet.

2. Connect the USB cable (or USB flash drive or USB memory card reader) into the projector's USB **TypeA** port shown below.



1 USB TypeA port

Note: Do not connect a USB hub or a USB cable longer than 10 feet (3 m), or the device may not operate correctly.

3. Connect the other end of the cable (if applicable) to your device.

Parent topic: Connecting to External USB Devices

Related topics

Projecting a Slide Show

Selecting the Connected USB Source

You can switch the projector's display to the source you connected to a USB Type A port.

- 1. Make sure the connected USB source is turned on, if necessary.
- 2. Press the **USB** button on the remote control.
- 3. Press the button again to cycle through other USB sources, if available.

Parent topic: Connecting to External USB Devices

Disconnecting a USB Device or Camera From the Projector

When you finish presenting with a connected USB device or camera, you must prepare to disconnect the device from the projector.

- 1. Select **Exit** from any software running your slide show or presentation from the device.
- 2. Disconnect the USB device or camera from the projector.

3. If the device has a power button, be sure to turn off and unplug the device.

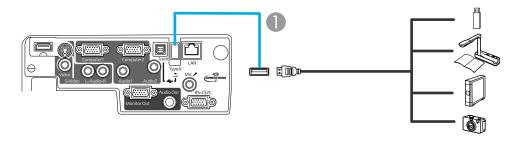
Parent topic: Connecting to External USB Devices

Connecting to a Document Camera

You can connect a compatible Epson document camera to your projector's USB Type A port to project images viewed by the camera.

Note: You may be able to connect different Epson document camera models to your projector's **Computer** ports.

- 1. Locate the USB cable that came with the document camera.
- 2. Connect the USB cable to the projector's USB **TypeA** port.
- 3. Connect the other end of the cable to the document camera's USB Type B port.



1 USB TypeA port

Parent topic: Projector Connections

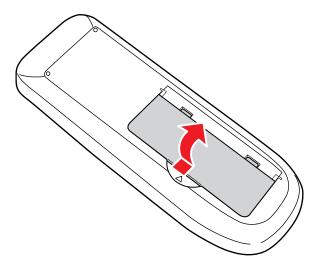
Related references

Optional Equipment and Replacement Parts

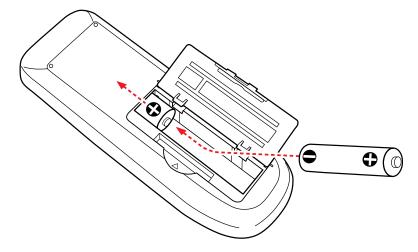
Installing Batteries in the Remote Control

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

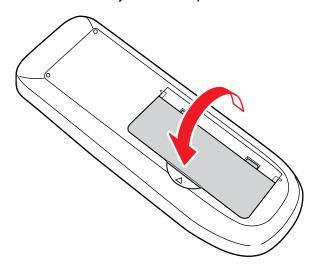
1. Open the battery cover as shown.



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



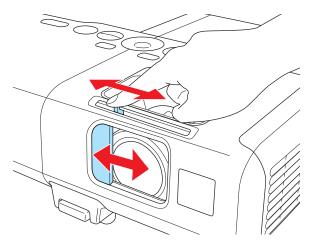
3. Close the battery cover and press it down until it clicks into place.



Parent topic: Setting Up the Projector

Opening the Lens Cover

1. To open the projector's lens cover, slide the **A/V Mute** slide lever.



2. To cover the lens or temporarily turn off the projected picture and sound, slide the **A/V Mute** slide cover closed.

Parent topic: Setting Up the Projector

Using the Projector on a Network

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

Wired Network Projection

Wireless Network Projection

Setting Up Projector Network E-Mail Alerts

Setting Up Monitoring Using SNMP

Controlling a Networked Projector Using a Web Browser

Crestron RoomView Support

Wired Network Projection

You can send images to your projector through a wired network (PowerLite 95/96W/905/915W/1835). To do this, you connect the projector to your network, and then set up your projector and computer for network projection.

Note: With the PowerLite 93, you can monitor projector operations over a wired network, but not project images over the network.

After connecting and setting up the projector as described here, install the network software from the *Epson Projector Software for Meeting & Presentation* CD-ROM on your computer. Use the following software and documentation to set up, control, and monitor network projection:

- EasyMP Network Projection software sets up your computer for network projection (PowerLite 95/96W/905/915W/1835). See the EasyMP Network Projection Operation Guide installed from your projector CD for instructions.
- EasyMP Monitor software (Windows only) lets you monitor and control your projector through the network. You can download the latest software and documentation from the Epson web site. Go to www.epson.com/support (U.S.) or www.epson.ca/support (Canada) and select your projector.

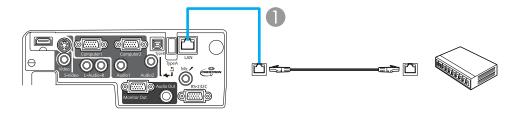
Connecting to a Wired Network Selecting Wired Network Settings

Parent topic: Using the Projector on a Network

Connecting to a Wired Network

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

- 1. Connect one end of the network cable to your network router.
- 2. Connect the other end of the cable to the projector's **LAN** port.



1 LAN port

Parent topic: Wired Network Projection

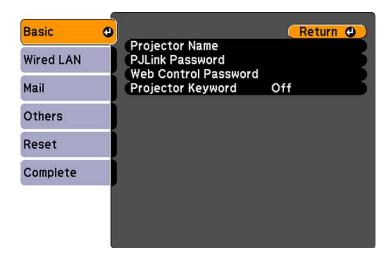
Selecting Wired Network Settings

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

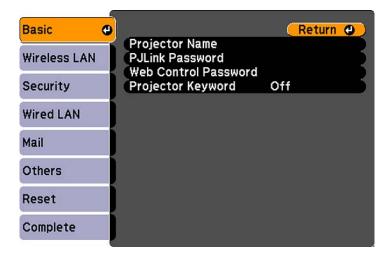
Note: Make sure you already connected the projector to your wired network using the **LAN** port.

- 1. Turn on the projector.
- 2. Press the **Menu** button on the remote control.
- 3. Select the **Network** menu and press **Enter**.
- 4. Select **Network Configuration** and press **Enter**.
- 5. Select the **Basic** menu and press **Enter**.

PowerLite 93



PowerLite 95/96W/905/915W/1835



- 6. Select the following basic options as necessary:
 - **Projector Name** lets you enter a name up to 16 alphanumeric characters long to identify the projector over the network.

- **PJLink Password** lets you enter a password up to 32 alphanumeric characters long for using the PJLink protocol for projector control.
- **Web Control Password** lets you enter a password up to 8 alphanumeric characters long for accessing the projector over the web.
- Projector Keyword lets you turn on a security password to prevent access to the projector by
 anyone not in the room with it. You must enter a displayed, randomized keyword from a computer
 using the EasyMP Network Projection software to access the projector.

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

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

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

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

Parent topic: Wired Network Projection

Wireless Network Projection

You can send images to your projector through a wireless network (PowerLite 95/96W/905/915W/1835). To do this, you must install the optional Epson 802.11g/b/n wireless LAN module, and then set up your projector and computer for wireless projection.

There are two ways to connect the projector to your wireless network:

- Using the optional Epson Quick Wireless Connection USB key (Windows only)
- Configuring the connection manually using the projector's Network menus

After installing the module and setting up the projector, install the network software from the *Epson Projector Software for Meeting & Presentation* CD on your computer. Use the following software and documentation to set up, control, and monitor wireless projection:

- EasyMP Network Projection software sets up your computer for wireless network projection. See the EasyMP Network Projection Operation Guide installed from your projector CD for instructions.
- **EasyMP Monitor** software (Windows only) lets you monitor and control your projector through the network. You can download the latest software and documentation from the Epson web site. Go to www.epson.com/support (U.S.) or www.epson.ca/support (Canada) and select your projector.

Installing the Wireless LAN Module

Using Quick Wireless Connection (Windows Only)

Selecting Wireless Network Settings Manually

Selecting Wireless Network Settings in Windows

Selecting Wireless Network Settings in Mac OS

Setting Up Wireless Network Security

Parent topic: Using the Projector on a Network

Related references

Optional Equipment and Replacement Parts

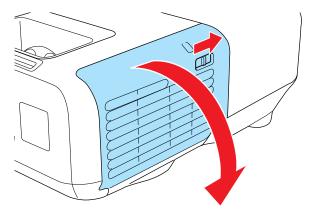
Installing the Wireless LAN Module

To use the projector over a wireless network, install the optional Epson 802.11g/b/n wireless LAN module (PowerLite 95/96W/905/915W/1835). Do not install any other type of wireless LAN module.

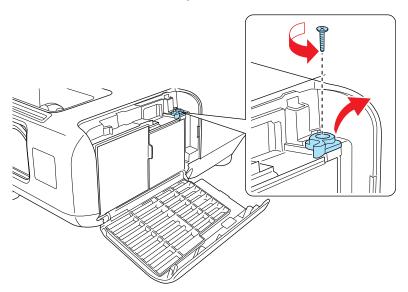
Caution: Never remove the module while its indicator light is green or flashing, or while you are projecting wirelessly. You may damage the module or lose data.

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

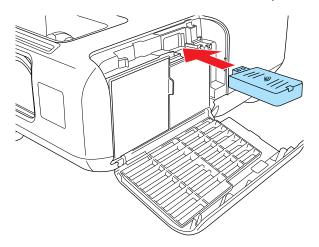
2. Slide the air filter cover latch and open the air filter cover.



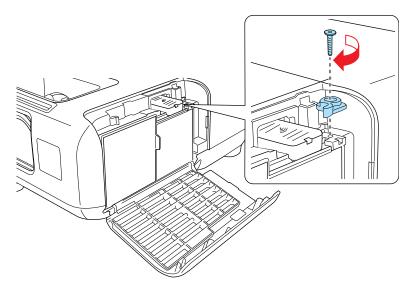
3. Remove the screw securing the wireless LAN module stopper, then remove the stopper.



4. Insert the wireless LAN module into the port.



5. Replace the wireless LAN module stopper and secure it using the screw you removed.



- 6. Close the air filter cover.
- 7. Plug in and turn on the projector.

Parent topic: Wireless Network Projection

Related references

Optional Equipment and Replacement Parts

Using Quick Wireless Connection (Windows Only)

You can use the optional Epson Quick Wireless Connection USB key to quickly connect the projector to a Windows computer wirelessly (PowerLite 95/96W/905/915W/1835). Then you can project your presentation and remove the key when you are done.

- 1. Turn on the projector.
- 2. Remove the USB key.
- 3. Now connect the USB key to a USB port on your computer or notebook.

Note: In Windows Vista, if you see the AutoPlay window, select **Run LaunchU3.exe**, then select **Allow** on the next screen.

4. Follow the on-screen instructions to install the Quick Wireless Connection driver.

Note: If you see a Windows Firewall message, click Yes to disable the firewall.

After a few minutes, your computer image is displayed by the projector. If it does not appear, press the **LAN** button on your projector remote control or restart your computer.

- 5. Run your presentation as necessary.
- 6. When you finish projecting wirelessly, remove the USB key from your computer.

Note: You may need to restart your computer to reactivate your wireless interface.

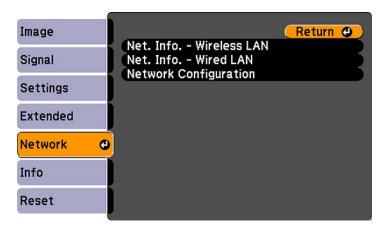
Parent topic: Wireless Network Projection

Selecting Wireless Network Settings Manually

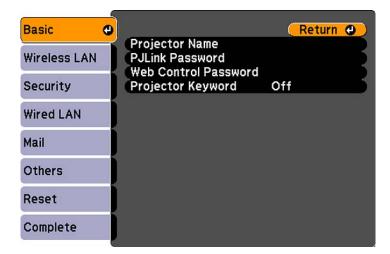
Before you can project from your wireless network, you must select the network settings for the projector using its menu system.

- 1. Turn on the projector.
- 2. Press the **Menu** button on the remote control.

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



- 4. Select **Network Configuration** and press **Enter**.
- 5. Select the **Basic** menu and press **Enter**.

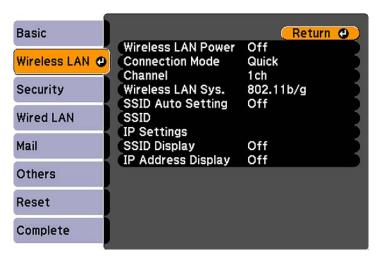


- 6. Select the following basic options as necessary:
 - **Projector Name** lets you enter a name up to 16 alphanumeric characters long to identify the projector over the network.

- **PJLink Password** lets you enter a password up to 32 alphanumeric characters long for using the PJLink protocol for projector control.
- **Web Control Password** lets you enter a password up to 8 alphanumeric characters long for accessing the projector over the web.
- **Projector Keyword** lets you turn on a security password to prevent access to the projector by anyone not in the room with it. You must enter a displayed, randomized keyword from a computer using the EasyMP Network Projection software to access the projector.

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

7. Select the Wireless LAN menu and press Enter.



- 8. Select the settings on the Wireless LAN menu as necessary for your network.
- 9. When you finish selecting settings, select **Complete** and follow the on-screen instructions to save your settings and exit the menus.

After you complete the wireless settings for your projector, you need to select the wireless network on your computer.

Wireless LAN Menu Settings

Parent topic: Wireless Network Projection

Wireless LAN Menu Settings

Note: See your projector's *EasyMP Network Projection Operation Guide* for details on selecting these settings.

Setting	Options	Description
Wireless LAN Power	On	Turns on wireless LAN support
	Off	
Connection Mode	Quick Advanced	Selects the type of wireless connection:
		Quick: lets you quickly connect to one computer or use the optional Epson Quick Wireless Connection USB key to connect
		Advanced : lets you connect to multiple computers via a wireless network access point
Channel	1ch 6ch	In Quick connection mode, selects the frequency band
	11ch	(channel) used by the wireless LAN
Wireless LAN Sys.	802.11b/g 802.11b/g/n	Sets the type of wireless LAN system the projector is connecting to
SSID Auto Setting	On Off	Turns on automatic SSID searching in Quick connection mode; set to Off when connecting to multiple projectors at the same time
SSID	Up 32 alphanumeric characters	Sets the SSID (network name) of the wireless LAN system the projector is connecting to

Setting	Options	Description
IP Settings	DHCP (On or Off)	Selects DHCP if your network
	IP Address	assigns addresses automatically, or turns off DHCP so you can
	Subnet Mask	enter the network's IP address,
	Gateway Address	subnet mask, and gateway address as needed
SSID Display	On	Selects whether to display the
	Off	SSID on the network standby screen
IP Address Display	On	Selects whether to display the IP
	Off	address on the network standby screen

Parent topic: Selecting Wireless Network Settings Manually

Selecting Wireless Network Settings in Windows

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

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

Parent topic: Wireless Network Projection

Selecting Wireless Network Settings in Mac OS

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

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

Parent topic: Wireless Network Projection

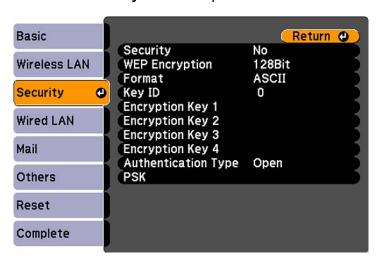
Setting Up Wireless Network Security

You can set up security for your projector to use on the wireless network (PowerLite 95/96W/905/915W/1835). Set up one of the following security options to match the settings used on your network:

- WEP encryption
- WPA security

Note: Check with your network administrator for guidance on entering the correct information.

- 1. Press the **Menu** button on the remote control.
- 2. Select the **Network** menu and press **Enter**.
- 3. Select **Network Configuration** and press **Enter**.
- 4. Select the **Security** menu and press **Enter**.



- 5. Select the security settings as necessary to match your network settings.
- 6. When you finish selecting settings, select **Complete** and follow the on-screen instructions to save your settings and exit the menus.

Wireless Security Menu Settings

Parent topic: Wireless Network Projection

Wireless Security Menu Settings

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

Setting	Options	Description
Security	WEP and WPA types available	Selects the type of security used on the wireless network
WEP Encryption	128Bit 64Bit	For WEP security, selects the type of encryption coding
Format	ASCII HEX	For WEP security, selects the encryption input method:
		ASCII: enables text input
		HEX: enables hexadecimal input
Key ID	1 to 4	For WEP security, selects the WEP encryption key ID
Encryption Key 1 to Encryption Key 4	Various characters depending on selected WEP Encryption and Format settings	For the selected WEP Key ID setting, enter the key used for WEP encryption:
		128 bit ASCII: 13 alphanumeric characters
		128 bit HEX: 26 characters (0 to 9 and A to F)
		64 bit ASCII: 5 alphanumeric characters
		64 bit HEX: 10 characters (0 to 9 and A to F)
Authentication Type	Open	For WEP security, selects the
	Shared	type of WEP authentication used
PSK	Various keys from 8 to 32 characters	For WPA-PSK or WPA-2-PSK security, selects the pre-shared key used on the network

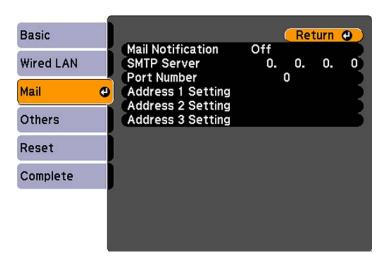
Parent topic: Setting Up Wireless Network Security

Setting Up Projector Network E-Mail Alerts

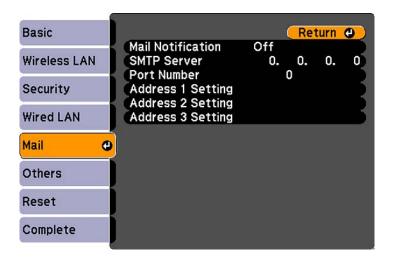
You can set up the projector to send you an e-mail alert over the network if there is a problem with the projector.

- Press the Menu button on the remote control.
- 2. Select the Network menu and press Enter.
- 3. Select Network Configuration and press Enter.
- 4. Select the **Mail** menu and press **Enter**.

PowerLite 93



PowerLite 95/96W/905/915W/1835



- 5. Turn on **Mail Notification**.
- 6. Enter the IP address for the **SMTP Server** option.

Note: Do not use these addresses: 127.x.x.x or 224.0.0.0 through 255.255.255.255 (where x is a number from 0 to 255).

- 7. Select a number for the SMTP server **Port Number**, from 1 to 65535 (default is 25).
- 8. Choose an **Address** field, enter the e-mail address, and select the alerts you want to receive there. Repeat for up to three addresses.

Note: Your e-mail address can be up to 32 alphanumeric characters long.

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

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

Network Projector E-mail Alert Messages

Parent topic: Using the Projector on a Network

Network Projector E-mail Alert Messages

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

- EPSON Projector on the subject line
- The name of the projector experiencing a problem
- The IP address of the affected projector
- Detailed information about the problem

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

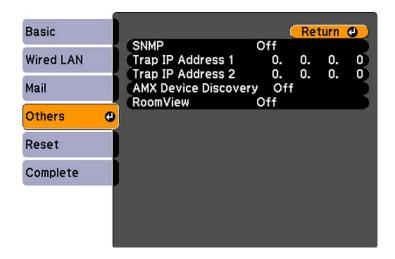
Parent topic: Setting Up Projector Network E-Mail Alerts

Setting Up Monitoring Using SNMP

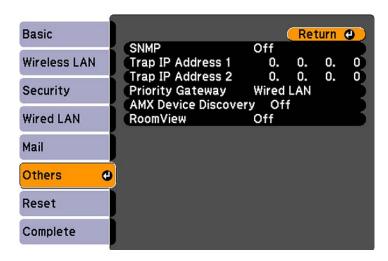
Network administrators can install SNMP (Simple Network Management Protocol) software on network computers so they can monitor projectors. If your network uses this software, you can set up the projector for SNMP monitoring.

- 1. Press the **Menu** button on the remote control.
- 2. Select the **Network** menu and press **Enter**.
- 3. Select **Network Configuration** and press **Enter**.
- 4. Select the **Others** menu and press **Enter**.

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5. Enter up to two IP addresses to receive SNMP notifications, using 0 to 255 for each address field.

Note: Do not use these addresses: 127.x.x.x or 224.0.0.0 through 255.255.255.255 (where x is a number from 0 to 255).

- 6. If your network environment uses an AMX controller, turn on the **AMX Device Discovery** setting to allow the projector to be detected.
- 7. If your network environment uses a Crestron RoomView controller, turn on the **RoomView** setting to allow the projector to be detected.
- 8. When you finish selecting settings, select **Complete** and follow the on-screen instructions to save your settings and exit the menus.

Parent topic: Using the Projector on a Network

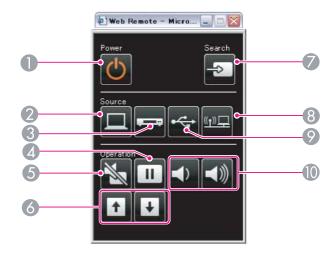
Controlling a Networked Projector Using a Web Browser

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

Note: The web setup and control features support Microsoft Internet Explorer 6.0 or later, and Safari on networks that do not use a proxy server for connection. You cannot select all of the projector menu settings or control all projector functions using a web browser.

- 1. Make sure the projector is turned on.
- 2. Start your web browser on a computer connected to the network.
- 3. Type the projector's IP address into the browser's address box and press the computer's **Enter** key. You see the Web Control screen.
- 4. To select projector menu settings, select the name of the menu and follow the on-screen instructions to select settings.
- 5. To control the projection remotely, select the **Web Remote** option.

You see this screen:



- 1 Power button control
- 2 Selects Computer port source
- 3 Selects Video and HDMI port sources
- 4 Freeze button control
- 5 **A/V Mute** button control
- 6 Page Up and Page Down button controls
- 7 Searches for sources
- 8 Selects the network source
- 9 Selects the USB Display or USB device source
- 10 Volume button controls
- 6. Select the icon corresponding to the projector function you want to control.

Parent topic: Using the Projector on a Network

Crestron RoomView Support

If you are using the Crestron RoomView network monitoring and control system, you can set up your projector for use on the system (PowerLite 93/95/96W/905/915W/1835). Crestron RoomView lets you control and monitor your projector using a web browser.

Note: You cannot use the Epson Web Control feature or the Message Broadcasting plug-in for EasyMP Monitor when you use Crestron RoomView.

For additional information on Crestron RoomView, contact Crestron.

Setting Up Crestron RoomView Support
Controlling a Networked Projector Using Crestron RoomView

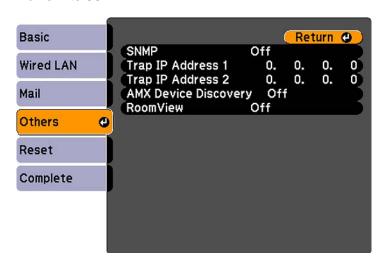
Parent topic: Using the Projector on a Network

Setting Up Crestron RoomView Support

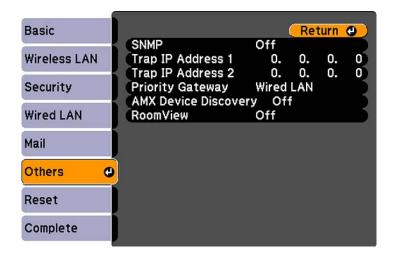
To set up your projector for monitoring and control using a Crestron RoomView system, make sure your computer and projector are connected to the network. If you are connecting wirelessly, set up the projector using the **Advanced** network connection mode.

- 1. Press the **Menu** button on the remote control.
- 2. Select the **Network** menu and press **Enter**.
- 3. Select Network Configuration and press Enter.
- 4. Select the **Others** menu and press **Enter**.

PowerLite 93



PowerLite 95/96W/905/915W/1835



- 5. Set the **RoomView** setting to **On** to allow the projector to be detected.
- 6. When you finish selecting settings, select **Complete** and follow the on-screen instructions to save your settings and exit the menus.
- 7. Turn off the projector, then turn it on again to enable the **RoomView** setting.

Parent topic: Crestron RoomView Support

Controlling a Networked Projector Using Crestron RoomView

Once you have set up your projector to use Crestron RoomView, you can control and monitor projection using a compatible web browser.

- 1. Start your web browser on a computer connected to the network.
- 2. Type the projector's IP address into the browser's address box and press the computer's **Enter** key. You see this screen:



- 3. Select the input source that you want to control in the **Sources List** box. You can scroll through available sources using the up and down arrows in the box.
- 4. To control projection remotely, click the on-screen buttons that correspond to the projector's remote control buttons. You can scroll through button options at the bottom of the screen.

Note: These on-screen buttons do not directly correspond to the projector's remote control buttons:

- OK acts as the Enter button
- Menu displays the Configuration menu
- 5. To view information about the projector, click the **Info** tab.
- 6. To change projector, Crestron, and password settings, click the **Tools** tab, select settings on the displayed screen, and click **Send**.
- 7. When you finish selecting settings, click **Exit** to exit the program.

Parent topic: Crestron RoomView Support

Using Basic Projector Features

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

Turning On the Projector

Turning Off the Projector

Selecting the Language for the Projector Menus

Adjusting the Image Height

Image Shape

Resizing the Image With the Zoom Ring

Focusing the Image Using the Focus Ring

Remote Control Operation

Selecting an Image Source

Projection Modes

Image Aspect Ratio

Color Mode

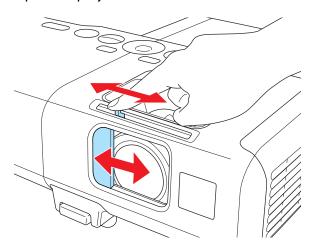
Controlling the Volume With the Volume Buttons

Projecting a Slide Show

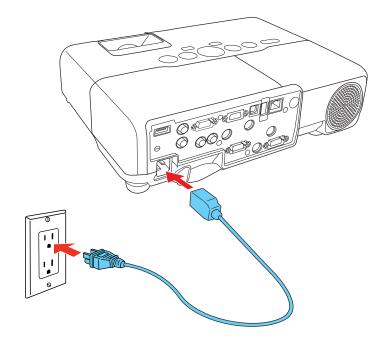
Turning On the Projector

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

1. Open the projector's lens cover.



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



3. Plug the power cord into an electrical outlet.

The projector's power light turns orange. This indicates that the projector is receiving power, but is not yet turned on.

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

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

The projector beeps and the power light flashes green as the projector warms up. After about five seconds, the power light stops flashing and turns green.

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

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

- Turn on the connected computer or video device.
- Insert a DVD or other video media, and press the **Play** button (if necessary).
- Press the **Source Search** button on the projector or remote control to detect the video source.

Parent topic: Using Basic Projector Features

Related references

Projector Setup Settings - Extended Menu

Turning Off the Projector

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

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

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

The projector displays a shutdown confirmation screen.

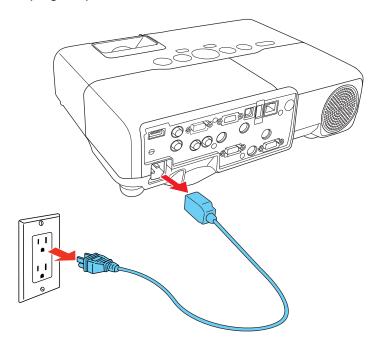
Power Off? Yes: Press button No : Press any other button

2. Press the power button again. (To leave it on, press any other button.)

The projector beeps twice, the lamp turns off, and the power light turns orange.

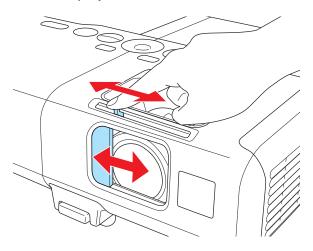
Note: With Epson's Instant Off technology, there is no cool-down period so you can pack up the projector for transport right away.

3. To transport or store the projector, make sure the power light is orange (but not flashing), then unplug the power cord.



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

4. Close the projector's lens cover.



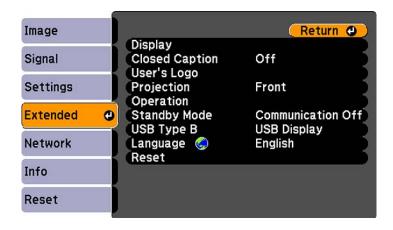
Parent topic: Using Basic Projector Features

Selecting the Language for the Projector Menus

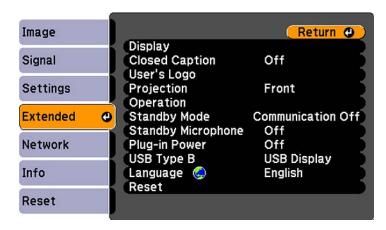
If you want to view the projector's menus and messages in another language, you can change the **Language** setting.

- 1. Turn on the projector.
- 2. Press the **Menu** button.
- 3. Press the down arrow button to select the **Extended** menu and press **Enter**.

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PowerLite 95/96W/905/915W/1835



Note: The Network menu does not appear on non-network projector models.

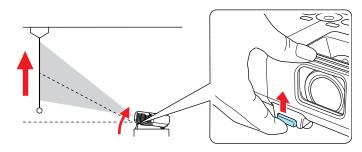
- 4. Press the down arrow button to select the **Language** setting and press **Enter**.
- 5. Select the language you want to use and press **Enter**.
- 6. Press Menu or Esc to exit the menus.

Parent topic: Using Basic Projector Features

Adjusting the Image Height

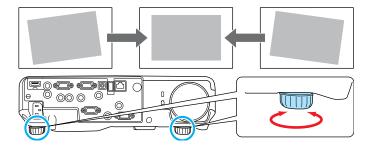
If you are projecting from a table or other flat surface, and the image is too high or low, you can adjust the image height using the projector's adjustable feet.

- 1. Turn on the projector and display an image.
- 2. To adjust the front foot, pull up on the foot release lever and lift the front of the projector.



The foot extends from the projector.

- 3. Release the lever to lock the foot.
- 4. If the image is tilted, rotate the rear feet to adjust their height.



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

Parent topic: Using Basic Projector Features

Related concepts
Image Shape

Related references

Projector Feature Settings - Settings Menu

Image Shape

You can project an evenly rectangular image by placing the projector directly in front of the center of the screen and keeping it level. If you place the projector at an angle to the screen, or tilted up or down, or off to the side, you may need to correct the image shape for the best display quality.

When you turn on automatic keystone correction in your projector's Settings menu, your projector automatically corrects keystone effects when you reposition the projector.

Correcting Image Shape With Quick Corner Correcting Image Shape With the Keystone Buttons

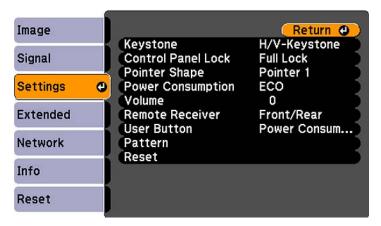
Parent topic: Using Basic Projector Features

Correcting Image Shape With Quick Corner

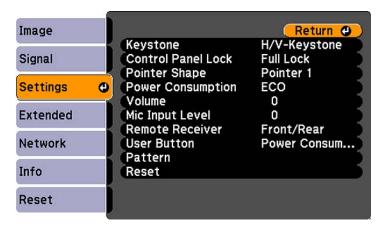
You can use the projector's Quick Corner setting to correct the shape and size of an image that is unevenly rectangular on all sides.

- 1. Turn on the projector and display an image.
- 2. Press the **Menu** button.
- 3. Select the **Settings** menu and press **Enter**.

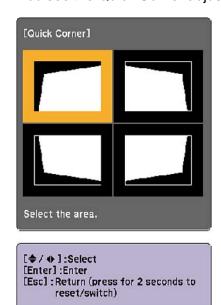
PowerLite 92/93



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- 4. Select the **Keystone** setting and press **Enter**.
- 5. Select the **Quick Corner** setting and press **Enter**. You see the Quick Corner adjustment screen.



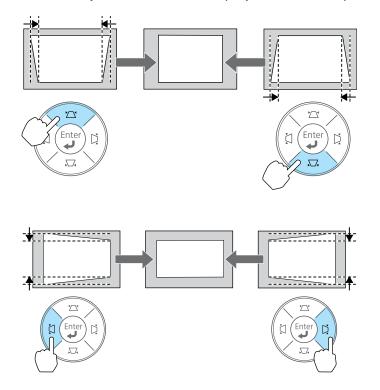
- 6. Use the arrow buttons on the projector or the remote control to select the corner of the image you want to adjust. Then press **Enter**.
- 7. Press the arrow buttons to adjust the image shape as necessary.
- 8. When you are finished, press Esc.

Parent topic: Image Shape

Correcting Image Shape With the Keystone Buttons

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

- 1. Turn on the projector and display an image.
- 2. Press a keystone button on the projector's control panel.



After correction, your image is slightly smaller.

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

Parent topic: Image Shape

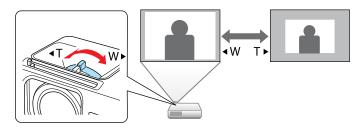
Related references

Projector Feature Settings - Settings Menu

Resizing the Image With the Zoom Ring

1. Turn on the projector and display an image.

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

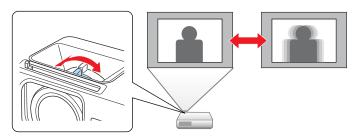


Parent topic: Using Basic Projector Features

Focusing the Image Using the Focus Ring

1. Turn on the projector and display an image.

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

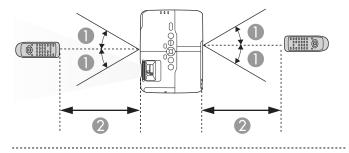


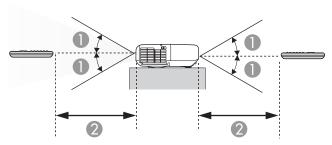
Parent topic: Using Basic Projector Features

Remote Control Operation

The remote control lets you control the projector from almost anywhere in the room, up to 19.7 feet (6 m) away. You can point it at the screen, or the front or back of the projector.

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





- 1 30°
- 2 19.7 feet (6 m)

Note: Avoid using the remote control in conditions with bright fluorescent lights or in direct sunlight, or the projector may not respond to commands. If you will not use the remote control for a long time, remove the batteries.

Using the Remote Control as a Wireless Mouse
Using the Remote Control as a Presentation Pointer

Parent topic: Using Basic Projector Features

Related tasks

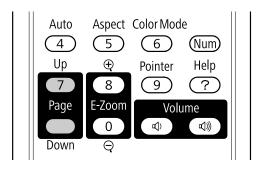
Replacing the Remote Control Batteries

Using the Remote Control as a Wireless Mouse

You can use the projector's remote control as a wireless mouse so you can control your computer presentation from a distance.

Note: You cannot use the remote control's wireless mouse function when you use your projector's USB Type B port to project video. However, you can use the **Up** and **Down Page** buttons to move through a presentation.

- 1. Connect the projector to a computer using the projector's **Computer** or **HDMI** port.
- 2. Using a USB cable, connect the projector's USB **TypeB** port to a USB port on your computer (for wireless mouse support).
- 3. Press the **Menu** button, select the **Extended** menu, and select **Wireless Mouse** as the **USB Type B** setting.
- 4. Start your presentation.
- 5. Use the following buttons on the remote control to control your presentation:
 - To move through PowerPoint slides, press the **Up** and **Down Page** buttons.



- To move the cursor on the screen, use the arrow buttons.
- To left-click, press the **Enter** button once (press it twice to double-click).
- To right-click, press the **Esc** button.
- To drag-and-drop, hold the **Enter** button as you move the cursor with the arrow buttons, then release **Enter** at the destination.

Parent topic: Remote Control Operation

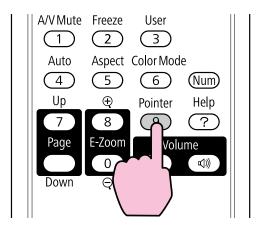
Related references

Projector Setup Settings - Extended Menu

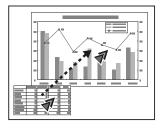
Using the Remote Control as a Presentation Pointer

You can use the projector's remote control as a pointer to help you call out important information during a presentation. The default pointer shape is an arrow, but you can select an alternative shape using the **Settings** menu.

1. Press the **Pointer** button on the remote control.



2. Use the arrow buttons on the remote control to move the pointer on the screen.



3. Press **Esc** to clear the pointer from the screen.

Parent topic: Remote Control Operation

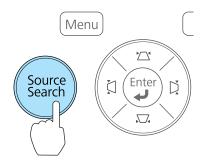
Related references

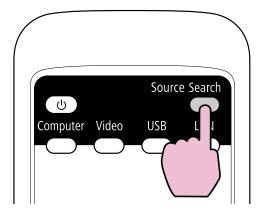
Projector Feature Settings - Settings Menu

Selecting an Image Source

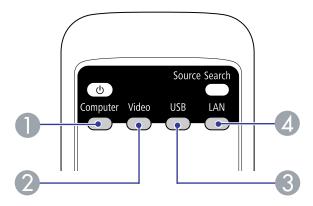
If you connected multiple image sources to the projector, such as a computer and DVD player, you may want to switch from one image source to the other.

- 1. Make sure the connected image source you want to use is turned on.
- 2. For video image sources, insert a DVD or other video media and press **Play** (if necessary).
- 3. Do one of the following:
 - Press the **Source Search** button on the projector or remote control until you see the image from the source you want.





• Press the button for the source you want on the remote control. If there is more than one port for that source, press the button again to select the other source.



- 1 Computer port sources
- 2 Video and HDMI sources
- 3 USB port sources (computer display and external devices)
- 4 Network source (PowerLite 93/95/96W/905/915W/1835)
- 4. If you see a blank screen or a "No Signal" message, try the following:
 - Check that the device cables are securely connected to the projector and the device.
 - Make sure the projector is turned on and its lens cover is open.
 - For laptop computers, make sure you have set up your laptop to output its display properly.

Parent topic: Using Basic Projector Features

Projection Modes

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

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

• **Rear/Ceiling** flips the image over top-to-bottom and horizontally to project from the ceiling and the rear.

You can change the projection mode using the remote control or by changing a menu setting.

Changing the Projection Mode Using the Remote Control

Changing the Projection Mode Using the Menus

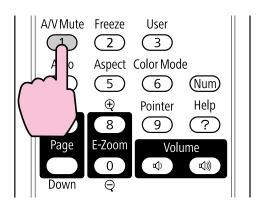
Parent topic: Using Basic Projector Features

Changing the Projection Mode Using the Remote Control

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

- 1. Turn on the projector and display an image.
- 2. Hold down the **A/V Mute** button on the remote control for five seconds.

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



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

Parent topic: Projection Modes

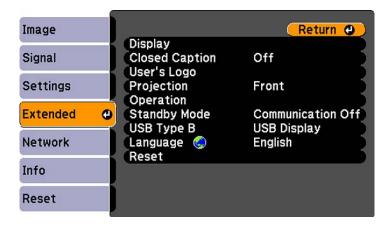
Changing the Projection Mode Using the Menus

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

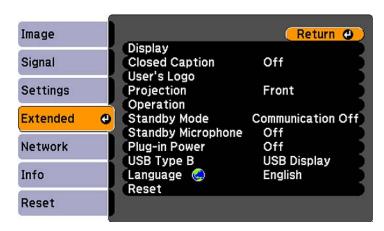
1. Turn on the projector and display an image.

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

PowerLite 92/93



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- 4. Select the **Projection** setting and press **Enter**.
- 5. Select a projection mode and press **Enter**.
- 6. Press **Menu** or **Esc** to exit the menus.

Parent topic: Projection Modes

Image Aspect Ratio

The projector can display images in different width-to-height ratios called aspect ratios. Normally the input signal from your video source determines the image's aspect ratio. However, for certain images you can change the aspect ratio to fit your screen by pressing a button on the remote control.

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

Changing the Image Aspect Ratio Available Image Aspect Ratios

Parent topic: Using Basic Projector Features

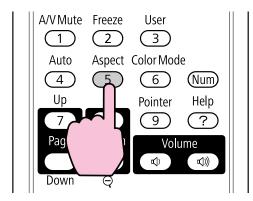
Related references

Image Quality Settings - Image Menu

Changing the Image Aspect Ratio

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

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



The shape and size of the displayed image changes, and the name of the aspect ratio appears briefly on the screen.

3. To cycle through the available aspect ratios for your input signal, press the **Aspect** button repeatedly.

Parent topic: Image Aspect Ratio

Available Image Aspect Ratios

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

Note: Black bands and cropped images may project in certain aspect ratios, depending on the aspect ratio and resolution of your input signal.

PowerLite 92/93/95/905/1835

Aspect ratio setting	Description	
Auto	Automatically sets the aspect ratio according to the input signal.	
Normal	Displays images using the full projection area and maintains the aspect ratio of the image.	
4:3	Displays images using the full projection area at 4:3 aspect ratio.	
16:9	Converts the aspect ratio of the image to 16:9.	

PowerLite 96W/915W

Aspect ratio setting	Description	
Auto	Automatically sets the aspect ratio according to the input signal.	
Normal	Displays images using the full projection area and maintains the aspect ratio of the image.	
16:9	Converts the aspect ratio of the image to 16:9.	
Full	Displays images using the full width of the projection area, but does not maintain the aspect ratio.	
Zoom	Displays images using the full width of the projection area and maintains the aspect ratio of the image.	
Native	Displays images as is (aspect ratio and resolution are maintained).	

Note: The Auto aspect ratio setting is available only for HDMI image sources.

Parent topic: Image Aspect Ratio

Color Mode

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

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

Changing the Color Mode Available Color Modes Turning On Auto Iris

Parent topic: Using Basic Projector Features

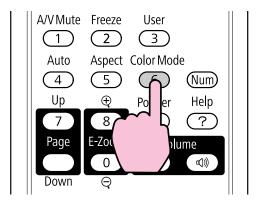
Related references

Image Quality Settings - Image Menu

Changing the Color Mode

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

- 1. Turn on the projector and switch to the image source you want to use.
- 2. If you are projecting from a DVD player or other video source, insert a disc or other video media and press the **Play** button, if necessary.
- 3. Press the **Color Mode** button on the remote control to change the Color Mode.



The image quality changes and the name of the Color Mode appears briefly on the screen.

4. To cycle through all the available Color Modes for your input signal, press the **Color Mode** button repeatedly.

Parent topic: Color Mode

Available Color Modes

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

Color Mode	Description	
Presentation	Best for color presentations in a bright room	
Dynamic	Best for projecting in a bright room	
Theatre	Best for movies projected in a dark room	
Sports	Best for television images in a bright room	
sRGB	Best for standard sRGB computer displays	
Blackboard	Best for presentations onto a green chalkboard (adjusts the colors accordingly)	
Whiteboard	Best for presentations onto a whiteboard (adjusts the colors accordingly)	
Photo	Best for still images projected in a bright room	

Parent topic: Color Mode

Related references

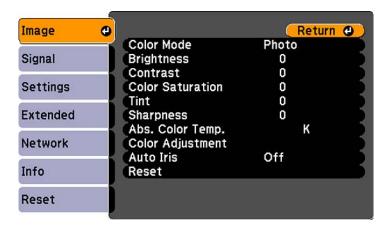
Image Quality Settings - Image Menu

Turning On Auto Iris

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

- 1. Turn on the projector and switch to the image source you want to use.
- 2. Press the **Menu** button.

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



- 4. Select the Auto Iris setting and select On.
- 5. Press **Menu** or **Esc** to exit the menus.

Parent topic: Color Mode

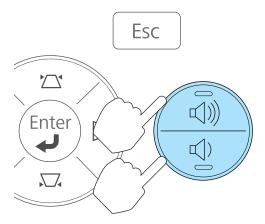
Controlling the Volume With the Volume Buttons

You can use the **Volume** buttons on the projector or the remote control to adjust the volume as you project a presentation with audio. The volume buttons control the projector's internal speaker system or any external speakers you connected to the projector.

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

1. Turn on the projector and start a presentation that includes audio.

2. To lower or raise the volume, press the **Volume** buttons on the remote control or these buttons on the control panel.



A volume gauge appears on the screen.

3. To set the volume to a specific level for an input source, you can set the volume using a projector menu.

Parent topic: Using Basic Projector Features

Related references

Projector Feature Settings - Settings Menu

Projecting a Slide Show

You can use your projector's **Slideshow** feature whenever you connect a USB device that contains compatible image files. This lets you quickly and easily display a slide show or presentation, and control it using the projector's remote control.

Slideshow Presentations

Supported Slideshow File Types

Starting a Slide Show or Presentation

Parent topic: Using Basic Projector Features

Related concepts
USB Device Projection

Related tasks

Connecting a USB Device or Camera to the Projector

Slideshow Presentations

Your projector's **Slideshow** feature lets you do the following:

• Display individual images

• Present a slide show of all images in a folder

Parent topic: Projecting a Slide Show

Supported Slideshow File Types

You can project these types of files using the projector's **Slideshow** feature.

Note: For best results, place your files on media that is formatted in FAT16/32.

File contents	File type (extension)	Details
Image .jpg		Make sure the file is not:
		CMYK format
		Progressive format
		Highly compressed
		Above 8192 × 8192 resolution
.bmp Make sure the f		Make sure the file resolution is not above 1280 x 800
	.gif	Make sure the file is not:
		Above 1280 × 800 resolution
		Animated
	.png	Make sure the file resolution is not above 1280 x 800

Parent topic: Projecting a Slide Show

Starting a Slide Show or Presentation

After connecting a USB device to the projector, you can switch to the USB input source and start your slide show or presentation.

Note: You can change the **Slideshow** operation options or add special effects by highlighting **Option** at the bottom of the screen and pressing **Enter**.

1. Press the **USB** button on the projector remote control.

The **Slideshow** screen appears.



- 2. If you need to display files in a subfolder on your device, press the arrow buttons to highlight the folder and press the **Enter** button.
- 3. Do one of the following to start your slide show or presentation:
 - To display an individual image, press the arrow buttons to highlight the image and press **Enter**. (Press the **Esc** button to return to the file list screen.)
 - To display a slide show of all the images in a folder, press the arrow buttons to highlight the **Slideshow** option at the bottom of the screen and press **Enter**.
- 4. While projecting, use the following commands to control the display as necessary:
 - To rotate a displayed image, press the up or down arrow button on the remote control.
 - To move back up a folder level on your device, highlight **Back to Top** and press **Enter**.
 - To view additional images in a folder, highlight **Next page** or **Previous page** and press **Enter**.
- 5. To stop the display, follow the on-screen instructions or press the **Esc** button.

Slideshow Display Options

Parent topic: Projecting a Slide Show

Related tasks

Disconnecting a USB Device or Camera From the Projector

Slideshow Display Options

You can select these display options when using the projector's **Slideshow** feature.



Option	Available settings	Description
Display order	Name order	Displays files in name order
	Date order	Displays files in date order
Sort Order	In Ascending	Sorts files in first-to-last order
	In Descending	Sorts files in last-to-first order
Continuous Play	On	Displays a slide show continuously
	Off	Displays a slide show one time through
Screen switching time	No	Does not display the next file automatically
	1Sec. to 60Sec.	Displays files for the selected time (in seconds) and switches to the next file automatically

Option	Available settings	Description
Effect	Wipe	Transitions between images with a wipe effect
	Dissolve	Transitions between images with a dissolve effect
	Random	Transitions between images using a random variety of effects

Parent topic: Starting a Slide Show or Presentation

Adjusting Projector Features

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

Shutting Off the Picture and Sound Temporarily

Stopping Video Action Temporarily

Zooming Into and Out of Images

Projector Security Features

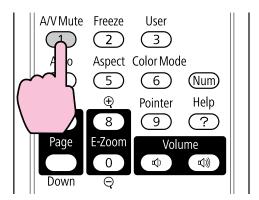
Creating a User Pattern to Display

Shutting Off the Picture and Sound Temporarily

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

If you want to display an image such as a company logo or picture when the presentation is stopped, you can set up this feature using the projector's menus.

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



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

Note: You can also stop projection using the A/V Mute slide lever on the projector.

Parent topic: Adjusting Projector Features

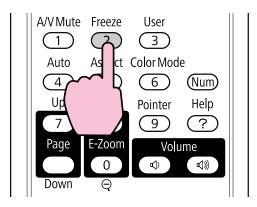
Related references

Projector Setup Settings - Extended Menu

Stopping Video Action Temporarily

You can temporarily stop the action in a video or computer presentation and keep the current image on the screen. Any sound or video action continues to run, however, so you cannot resume projection at the point that you stopped it.

1. Press the **Freeze** button on the remote control to stop the video action.



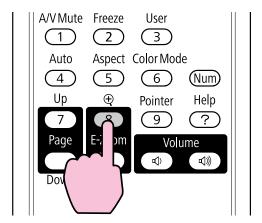
2. To restart the video action in progress, press **Freeze** again.

Parent topic: Adjusting Projector Features

Zooming Into and Out of Images

You can draw attention to parts of a presentation by zooming into a portion of the image and enlarging it on the screen.

1. Press the **E-Zoom** + button on the remote control.



You see a crosshair on the screen indicating the center of the zoom area.

- 2. Use the following buttons on the remote control to adjust the zoomed image:
 - Use the arrow buttons to position the crosshair in the image area you want to zoom into.
 - Press the **E-Zoom** + button repeatedly to zoom into the image area, enlarging it up to four times.
 - To pan around the zoomed image area, use the arrow buttons.
 - To zoom out of the image, press the **E-Zoom** button as necessary.
 - To return to the original image size, press Esc.

Parent topic: Adjusting Projector Features

Projector Security Features

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

- Password security to prevent the projector from being turned on, and prevent changes to the startup screen and other settings.
- Button lock security to block operation of the projector using the buttons on the control panel.
- Security cabling to physically cable the projector in place.

Password Security Types
Locking the Projector's Buttons

Installing a Security Cable

Parent topic: Adjusting Projector Features

Password Security Types

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

- **Power On Protect** password prevents anyone from using the projector without first entering a password.
- **User's Logo Protect** password prevents anyone from changing the custom screen the projector can display when it turns on or when you use the A/V Mute feature. The presence of the custom screen discourages theft by identifying the projector's owner.
- Network Protect password prevents anyone from changing the network settings in the projector menus (PowerLite 93/95/96W/905/915W/1835).

Setting a Password

Selecting Password Security Types

Entering a Password to Use the Projector

Saving a User's Logo Image to Display

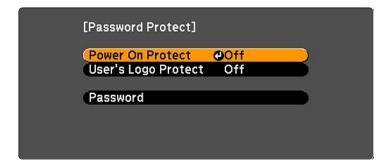
Parent topic: Projector Security Features

Setting a Password

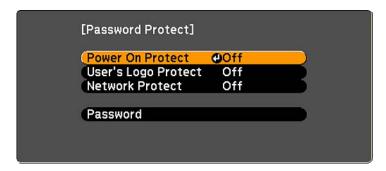
To use password security, you must set a password.

1. Hold down the **Freeze** button on the remote control until you see the Password Protect menu. This takes about five seconds.

PowerLite 92



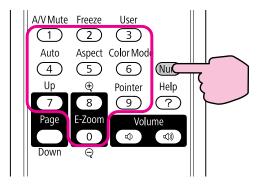
PowerLite 93/95/96W/905/915W/1835



2. Press the down arrow to select **Password** and press **Enter**.

You see the prompt "Change the password?".

- 3. Select **Yes** and press **Enter**.
- 4. Hold down the **Num** button on the remote control and use the numeric buttons to set a four-digit password.



The password displays as **** as you enter it. Then you see the confirmation prompt.

5. Enter the password again.

You see the message "Password accepted."

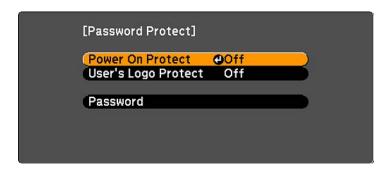
- 6. Press **Esc** to return to the Password Protect menu.
- 7. Make a note of the password and keep it in a safe place in case you forget it.

Parent topic: Password Security Types

Selecting Password Security Types

After setting a password, you see the Password Protect menu. Select the password security types you want to use.

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PowerLite 93/95/96W/905/915W/1835



If you do not see this menu, hold down the **Freeze** button on the remote control for five seconds until the menu appears.

- 1. To prevent unauthorized use of the projector, select **Power On Protect**, press **Enter**, select **On**, and press **Esc**.
- 2. To prevent changes to the User's Logo screen or related display settings, select **User's Logo Protect**, press **Enter**, select **On**, and press **Esc**.

3. To prevent changes to network settings, select **Network Protect**, press **Enter**, select **On**, and press **Esc** (PowerLite 93/95/96W/905/915W/1835).

You can attach the Password Protect sticker to the projector as an additional theft deterrent.

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

Parent topic: Password Security Types

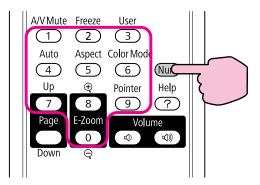
Entering a Password to Use the Projector

If a password is set up and a **Power On Protect** password is enabled, you see a prompt to enter a password whenever you turn on the projector.



You must enter the correct password to use the projector.

1. Hold down the **Num** button on the remote control while you enter the password using the numeric buttons.



The password screen closes.

- 2. If the password is incorrect, the following may happen:
 - You see a "wrong password" message and a prompt to try again. Enter the correct password to proceed.
 - If the password is incorrect three times, you see a message that the projector is locked and a request code. Write down the code, then disconnect the power cord from the projector, reconnect it, turn the projector back on, and enter the password again.
 - If the password is incorrect 30 times in a row, the projector remains locked. You must contact Epson for service and provide the request code displayed with the locking message.

Parent topic: Password Security Types

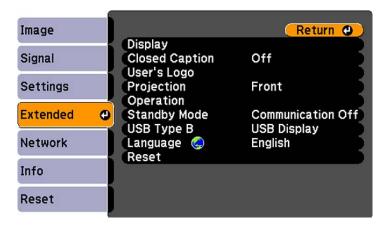
Saving a User's Logo Image to Display

You can transfer an image to the projector and then display it whenever the projector turns on. You can also display the image when the projector is not receiving an input signal or when you temporarily stop projection (using the A/V Mute feature). This transferred image is called the User's Logo screen.

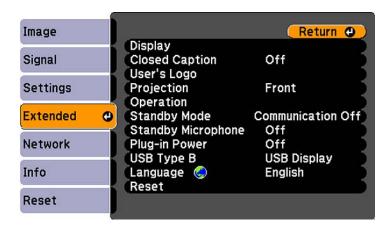
The image you select as the User's Logo can be a photo, graphic, or company logo, which is useful in identifying the projector's owner to help deter theft. You can prevent changes to the User's Logo by setting up password protection for it.

 Display the image you want to project as the User's Logo from a connected computer or video source. 2. Press the **Menu** button, select the **Extended** menu, and press **Enter**.

PowerLite 92/93



PowerLite 95/96W/905/915W/1835



3. Select the **User's Logo** setting and press **Enter**.

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

4. Select **Yes** and press **Enter**.

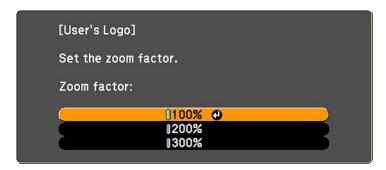
You see a selection box overlaying your image.

5. Use the arrow buttons on the remote control to surround the image area you want to use as the User's Logo and press **Enter**.

You see a prompt asking if you want to select this image area.

6. Select **Yes** and press **Enter**. (If you want to change the selected area, select **No**, press **Enter**, and repeat the last step.)

You see the User's Logo zoom factor menu.



7. Select a zoom percentage and press **Enter**.

You see a prompt asking if you want to save the image as the User's Logo.

8. Select **Yes** and press **Enter**.

Note: It takes a few moments for the projector to save the image; do not use the projector, its remote control, or any connected equipment until it is finished.

You see a completion message.

- 9. Press **Esc** to exit the message screen.
- 10. Select the **Extended** menu and press **Enter**.
- 11. Select **Display** and press **Enter**.
- 12. Select when you want to display the User's Logo screen:
 - To display it whenever there is no input signal, select **Display Background** and set it to **Logo**.
 - To display it whenever you turn the projector on, select **Startup Screen** and set it to **On**.
 - To display it whenever you press the **A/V Mute** button, select **A/V Mute** and set it to **Logo**.

To prevent anyone from changing the User's Logo settings without first entering a password, set a password and enable User's Logo security.

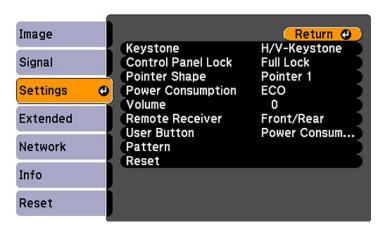
Parent topic: Password Security Types

Locking the Projector's Buttons

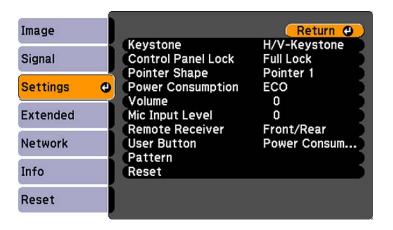
You can lock the buttons on the projector's control panel to prevent anyone from using the projector. You can lock all the buttons or all the buttons except the power button.

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

PowerLite 92/93



PowerLite 95/96W/905/915W/1835



- 3. Select the Control Panel Lock setting and press Enter.
- 4. Select one of these lock types and press **Enter**:
 - To lock all of the projector's buttons, select **Full Lock**.
 - To lock all buttons except the power button, select **Partial Lock**.

You see a confirmation prompt.

5. Select **Yes** and press **Enter**.

Unlocking the Projector's Buttons

Parent topic: Projector Security Features

Unlocking the Projector's Buttons

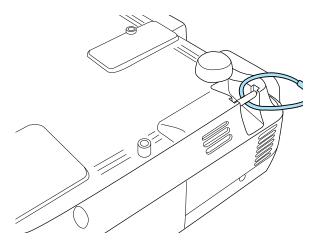
If the projector's buttons have been locked, hold the **Enter** button on the projector's control panel for seven seconds to unlock them.

Parent topic: Locking the Projector's Buttons

Installing a Security Cable

You can install two types of security cables on the projector to prevent theft.

- Use the security slot on the back of the projector to attach a Kensington Microsaver Security system, available from Epson.
- Use the security cable attachment point on the projector to attach a wire cable and secure it to a room fixture or heavy furniture.



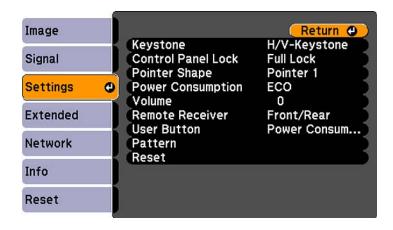
Parent topic: Projector Security Features

Creating a User Pattern to Display

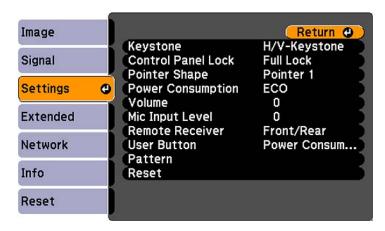
You can transfer an image to the projector and then display it as a pattern to aid in presentations when you use the Pattern Display feature. This transferred image is called the User Pattern.

- 1. Display the image you want to project as the User Pattern from a connected computer or video source.
- 2. Press the **Menu** button, select the **Settings** menu, and press **Enter**.

PowerLite 92/93



PowerLite 95/96W/905/915W/1835



- 3. Select the Pattern setting and press Enter.
- 4. Select the **User Pattern** setting and press **Enter**.

You see a prompt asking if you want to use the displayed image as a User Pattern.

5. Select **Yes** and press **Enter**.

Note: It takes a few moments for the projector to save the image; do not use the projector, its remote control, or any connected equipment until it is finished.

You see a completion message.

6. Press **Esc** to exit the message screen.

Parent topic: Adjusting Projector Features

Related references

Projector Feature Settings - Settings Menu

Adjusting the Menu Settings

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

Note: The **Network** menu does not appear on non-network projector models.

Using the Projector's Menus

Image Quality Settings - Image Menu

Input Signal Settings - Signal Menu

Projector Feature Settings - Settings Menu

Projector Setup Settings - Extended Menu

Projector Network Settings - Network Menu

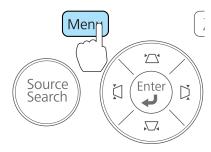
Projector Information Display - Info Menu

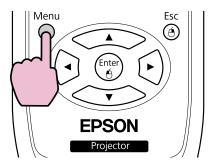
Projector Reset Options - Reset Menu

Using the Projector's Menus

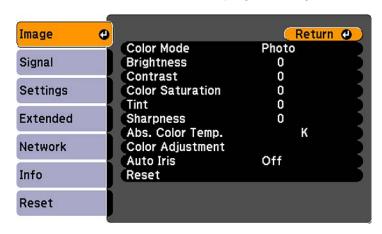
You can use the projector's menus to adjust the settings that control how your projector works. The projector displays the menus on the screen.

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





You see the menu screen displaying the Image menu settings.



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

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

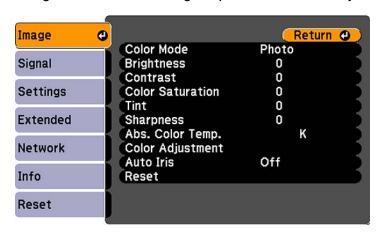
- 3. To change settings in the displayed menu, press **Enter**.
- 4. Press the up or down arrow button to move through the settings.
- 5. Change the settings using the buttons listed on the bottom of the menu screens.
- 6. To return all the menu settings to their default values, select **Reset**.
- 7.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

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

Parent topic: Adjusting the Menu Settings

Image Quality Settings - Image Menu

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



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

Setting	Options	Description
Color Mode	See the list of available Color Modes	Adjusts the vividness of image colors for various image types and environments
Brightness	Varying levels available	Lightens or darkens the overall image
Contrast	Varying levels available	Adjusts the difference between light and dark areas of the image
Color Saturation	Varying levels available	Adjusts the intensity of the image colors
Tint	Varying levels available	Adjusts the balance of green to magenta tones in the image

Setting	Options	Description
Sharpness	Varying levels available	Adjusts the sharpness or softness of image details
Abs. Color Temp (absolute color temperature)	5000 to 10000 °K (Kelvin)	Sets the color tone based on color temperature
Color Adjustment	Slider bars for each color	Adjusts the intensity of red, green, and blue hues in the image
Auto Iris	On Off	Adjusts the projected luminance based on the image brightness when certain Color Modes are selected

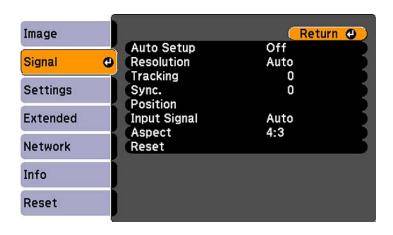
Note: The **Brightness** setting does not affect lamp brightness. To change the lamp brightness mode, use the **Power Consumption** setting.

Parent topic: Adjusting the Menu Settings

Related references
Available Color Modes

Input Signal Settings - Signal Menu

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



Note: You can restore the default settings of the **Position**, **Tracking**, and **Sync** settings by pressing the **Auto** button on the remote control.

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

Setting	Options	Description
Auto Setup	On	Automatically optimizes
	Off	computer image quality (when On)
Resolution	Auto	Sets the input signal resolution if
	Normal	not detected automatically using the Auto option.
	Wide	and rides options
	Customized (1 and 2)	
	Various resolutions	
Tracking	Varying levels available	Adjusts signal to eliminate vertical stripes in computer images
Sync	Varying levels available	Adjusts signal to eliminate fuzziness or flickering in computer images

Setting	Options	Description
Position	Up, down, left, right	Adjusts the image location on the screen
Progressive	Off Video	Sets whether to convert interlaced-to-progressive signals for certain video image types
	Film/Auto	Off: for fast-moving video images
	FillivAuto	
		Video: for most video images
		Film/Auto : for movies, computer graphics, and animation
Noise Reduction	Off	Reduces flickering in analog
	NR1	images in two levels
	NR2	
HDMI Video Range	Normal	Sets the video range to match
Expanded Auto	Expanded	the setting of the device connected to the HDMI input port
	Auto	connected to the Fibral Input port
Input Signal	Auto	Specifies the signal type from
	RGB	input sources connected to computer ports
	Component	Auto: detects signals automatically
		RGB: corrects color for computer/RGB video inputs
		Component: corrects color for component video inputs
Video Signal	Auto	Specifies the signal type from the
	Various video standards	input sources connected to the video ports
		Auto: detects signals automatically

Setting	Options	Description
Aspect	See the list of available aspect ratios	Sets the aspect ratio (width-to- height ratio) for the selected input source

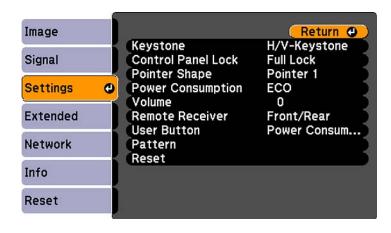
Parent topic: Adjusting the Menu Settings

Related references

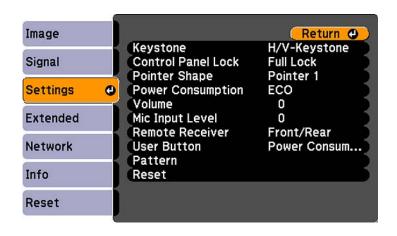
Available Image Aspect Ratios

Projector Feature Settings - Settings Menu

Options on the Settings menu let you customize various projector features. PowerLite 92/93



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Setting	Options	Description
Keystone	H/V Keystone Quick Corner	Adjusts image shape to rectangular (horizontally and vertically)
		H/V Keystone: lets you manually correct horizontal and vertical sides, or turn automatic correction on or off
		Quick Corner: select to correct image shape and alignment using an on-screen display
Control Panel Lock	Full Lock Partial Lock	Controls projector button locking to secure the projector
	Off	Full Lock: locks all buttons
		Partial Lock: locks all buttons except the power button
		Off: no buttons locked
Pointer Shape	Three shapes available	Changes the shape of the remote control pointer feature

Setting	Options	Description
Power Consumption	Normal ECO	Selects the brightness mode of the projector lamp
		Normal : sets maximum lamp brightness
		ECO : reduces lamp brightness and fan noise, and saves power and lamp life
Volume	Varying levels available	Adjusts the volume of projector's speaker system or external speakers
Mic Input Level	Varying levels available	Adjusts the volume of the
(PowerLite 95/96W/905/915W/1835)		projector's speaker system when you use a connected microphone
Remote Receiver	Front	Limits reception of remote control
	Rear	signals by the selected receiver; Off turns off all receivers
	Front/Rear	
	Off	
User Button	Power Consumption	Assigns a menu option to the
	Info	User button on the remote control for one-touch access
	Progressive	
	Closed Caption	
	Test Pattern	
	Resolution	
	Mic Input Level	
	Pattern Display	

Setting	Options	Description
Pattern	Pattern Display	Selects various pattern display
	Pattern Type	options
	User Pattern	Pattern Display: lets you display the selected pattern type on the
	Test Pattern	screen to aid in presentation
		Pattern Type: selects the type of grid or line pattern to display
		User Pattern: captures a projected screen and saves it as a pattern for display
		Test Pattern: displays a test pattern to assist in focusing and zooming the image and correcting image shape

Parent topic: Adjusting the Menu Settings

Related tasks

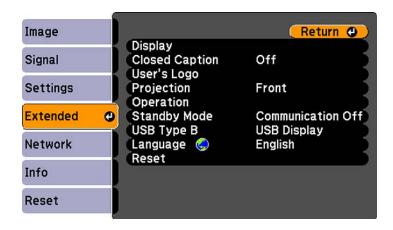
Creating a User Pattern to Display

Correcting Image Shape With Quick Corner

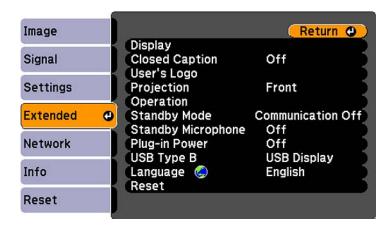
Projector Setup Settings - Extended Menu

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

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PowerLite 95/96W/905/915W/1835



Setting	Options	Description
Display	Messages	Selects various display options
	Display Background Startup Screen	Messages : controls whether messages are displayed on the screen
	A/V Mute	Display Background: selects the screen color or logo to display when no signal is received
		Startup Screen: controls whether a special screen appears when the projector starts up
		A/V Mute : selects the screen color or logo to display when A/V Mute is turned on
Closed Caption	Off CC1 CC2	Controls use of closed captions and selects the closed caption channel
User's Logo	_	Creates a screen that the projector displays to identify itself and enhance security
Projection	Front Front/Ceiling Rear	Selects the way the projector faces the screen so the image is oriented correctly
	Rear Ceiling	

Setting	Options	Description
Operation	Direct Power On	Selects various operation options
	Sleep Mode Sleep Mode Timer	Direct Power On : lets you turn on the projector without pressing the power button
	Lens Cover Timer High Altitude Mode	Sleep Mode : automatically turns off the projector after an interval of inactivity
		Sleep Mode Timer: sets the interval for Sleep Mode
		Lens Cover Timer: automatically turns off the projector after 30 minutes if the lens cover is closed
		High Altitude Mode: regulates the projector's operating temperature at altitudes above 4921 feet (1500 m)
Standby Mode	Communication On Communication Off	Selects whether the following can occur when the projector is in standby mode (on) or not (off)
		 Projector can be monitored over a network (not available on PowerLite 92)
		 Display output signals on an external monitor from the Computer1 port
		Output audio from a connected microphone (not available on PowerLite 92/93)
Standby Microphone (PowerLite 95/96W/905/915W/1835)	On Off	Selects whether the projector can output audio from a connected microphone even when the projector is in standby mode

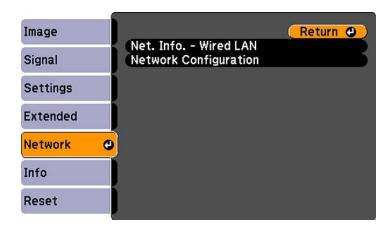
Setting	Options	Description
Plug-in Power (PowerLite 95/96W/905/915W/1835)	On Off	Set to On if you connect a condenser microphone with plugin power support
USB Type B	USB Display Wireless Mouse	Selects the use of the projector's USB Type B port
		USB Display: select when you connect a computer to the projector's USB TypeB port to display images
		Wireless Mouse: select for wireless mouse control when you connect your source to the projector's Computer or HDMI port
Language	Various languages available	Selects the language for projector menu and message displays (not changed by Reset option)

Parent topic: Adjusting the Menu Settings

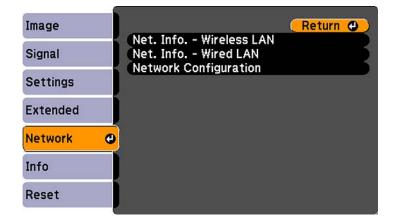
Projector Network Settings - Network Menu

Settings on the Network menu let you view network information and set up the projector for monitoring and control over a network (not available on PowerLite 92).

PowerLite 93



PowerLite 95/96W/905/915W/1835



Setting	Options	Description
Net. Info - Wireless LAN	Connection mode	Displays wireless network status
(Not available on PowerLite 93)	Antenna level	and details
	Projector Name	
	SSID	
	DHCP	
	IP Address	
	Subnet Mask	
	Gateway Address	
	MAC Address	
	Region Code	
Net. Info - Wired LAN	Projector Name	Displays wired network status
	DHCP	and details
	IP Address	
	Subnet Mask	
	Gateway Address	
	MAC Address	
Network Configuration	Accesses additional network menus	Configures your network settings

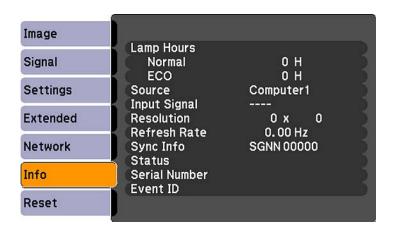
Parent topic: Adjusting the Menu Settings

Related concepts

Wired Network Projection
Wireless Network Projection

Projector Information Display - Info Menu

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



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

Information item	Description	
Lamp Hours	Displays the number of hours (H) the lamp has been used in Normal and ECO Power Consumption modes; if the information is displayed in yellow, obtain a genuine Epson replacement lamp soon	
Source	Displays the name of the port to which the current input source is connected	
Input Signal	Displays the input signal setting of the current input source	
Resolution	Displays the resolution of the current input source	
Video Signal	Displays the video signal format of the current input source	
Refresh Rate	Displays the refresh rate of the current input source	
Sync Info	Displays information that may be needed by a service technician	
Status	Displays information about projector problems that may be needed by a service technician	
Serial Number	Displays the projector's serial number	

Information item	Description	
	Displays the Event ID number corresponding to a specific projector	
(Not available for PowerLite 92)	problem; see the list of Event ID codes	

Event ID Code List

Parent topic: Adjusting the Menu Settings

Related references

Optional Equipment and Replacement Parts

Projector Lamp Specifications

Event ID Code List

If the **Event ID** option on the Info menu displays a code number, check this list of Event ID codes for the solution to the projector problem associated with the code (not available for PowerLite 92).

Event ID code	Cause and solution		
0432	The EasyMP Network Projection program did not start. Turn the projector off and then on again.		
0435			
0434	Unstable network communication. Check the network communication status, wait a		
0482	few moments, and try connecting to the network again.		
0484			
0485			
0433	Cannot display the transferred images. Restart the EasyMP Network Projection program.		
0481	Communication with computer was disconnected. Restart the EasyMP Network Projection program.		
0483	The EasyMP Network Projection program quit unexpectedly. Check the network		
04FE	communication status, then turn the projector off and then on again.		
0479	A projector system error has occurred. Turn the projector off and then on again.		
04FF			

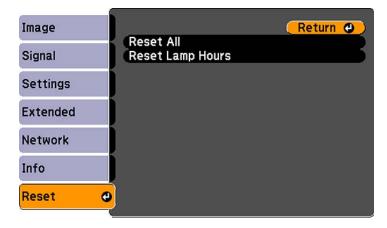
Event ID code	Cause and solution	
0891	Cannot find an access point with the same SSID. Set your computer, access point, and projector to the same SSID.	
0892	The WPA/WPA2 authentication type does not match. Make sure the wireless network security settings are correct.	
0893	The WEP/TKIP/AES encryption type does not match. Make sure the wireless network security settings are correct.	
0894	Communication with unauthorized access point was disconnected. Contact your network administrator.	
0898	Failed to acquire DHCP. Make sure the DHCP server is operating correctly. If you are not using DHCP, turn off the DHCP setting in the Network menus.	
0899	A communication error has occurred. Try restarting the EasyMP Network Projection program and restarting your projector. If that does not solve the problem, contact Epson for help.	

Parent topic: Projector Information Display - Info Menu

Projector Reset Options - Reset Menu

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

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



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

- Input Signal
- User's Logo
- Language
- Network menu items (if available)
- Lamp Hours
- Password
- User Button

Parent topic: Adjusting the Menu Settings

Maintaining and Transporting the Projector

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

Projector Maintenance
Transporting the Projector

Projector Maintenance

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

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

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

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

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

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

Parent topic: Maintaining and Transporting the Projector

Cleaning the Lens

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

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

 To remove stubborn smudges, moisten a soft, lint-free cloth with lens cleaner and gently wipe the lens.

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

Caution: Do not use glass cleaner to clean the lens, or you may damage it. Avoid touching the lens with your bare hands to prevent fingerprints on or damage to the lens surface.

Parent topic: Projector Maintenance

Cleaning the Projector Case

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

• To remove dust or dirt, use a soft, dry, lint-free cloth.

• To remove stubborn dirt, use a soft cloth moistened with water and mild soap.

Caution: Do not use wax, alcohol, benzene, paint thinner, or other chemicals to clean the projector case. These can damage the case.

Parent topic: Projector Maintenance

Air Filter and Vent Maintenance

The projector's air filter keeps the intake air clean, and its vents expel the exhaust. If dust collects on the air filter or vents, clean them as described in this manual. Dust clogs may cause the projector to overheat due to improper ventilation.

Be sure to clean the air filter and vents if you see a message telling you to do so. Also make sure nothing blocks the vents.

Cleaning the Air Filter and Vents

Replacing the Air Filter

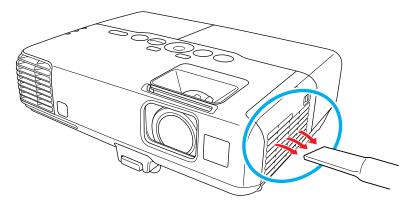
Parent topic: Projector Maintenance

Cleaning the Air Filter and Vents

Be sure to clean the projector's air filter or vents if they get dusty, or if you see a message telling you to clean them.

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

2. Gently remove the dust using a small vacuum designed for computers or a very soft brush (such as a paintbrush).



Note: You can remove the air filter so you can clean both sides of it. Do not rinse the air filter in water, or use any detergent or solvent to clean it.

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

Parent topic: Air Filter and Vent Maintenance

Replacing the Air Filter

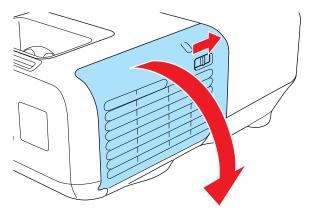
You need to replace the air filter in the following situations:

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

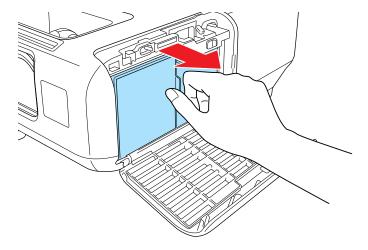
You can replace the air filter while the projector is mounted to the ceiling, if necessary. The illustrations below show the projector placed on a table.

1. Turn off the projector and uplug the power cord.

2. Slide the air filter cover latch and open the air filter cover.

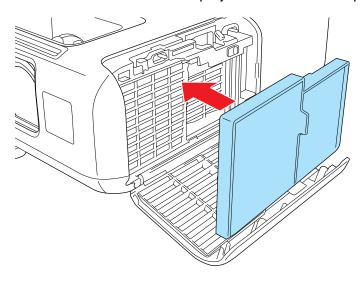


3. Pull the air filter out of the projector.



Note: Air filters contain polyphenylene ether, polystyrene resin, and polypropylene. Dispose of used air filters according to local regulations.

4. Place the new air filter in the projector as shown and push gently until it clicks into place.



5. Close the air filter cover.

Parent topic: Air Filter and Vent Maintenance

Projector Lamp Maintenance

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

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

- The projected image gets darker or starts to deteriorate
- A message appears when you turn on the projector telling you to replace the lamp
- The projector's lamp light is flashing orange

Replacing the Lamp
Resetting the Lamp Timer

Parent topic: Projector Maintenance

Related references

Optional Equipment and Replacement Parts

Projector Lamp Specifications

Projector Information Display - Info Menu

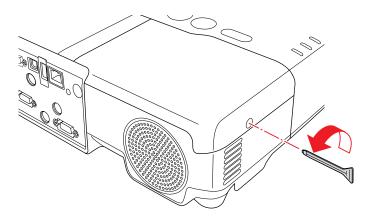
Replacing the Lamp

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

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

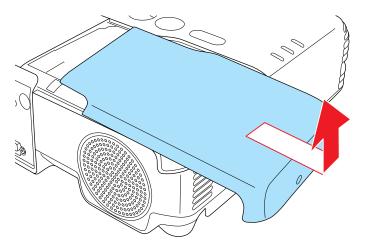
You can replace the lamp while the projector is mounted to the ceiling, if necessary.

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

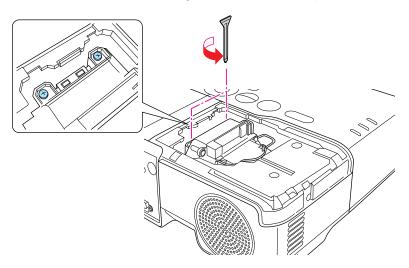


Warning: If the lamp is broken, glass fragments may be loose inside the lamp chamber. Be careful removing any broken glass to avoid injury.

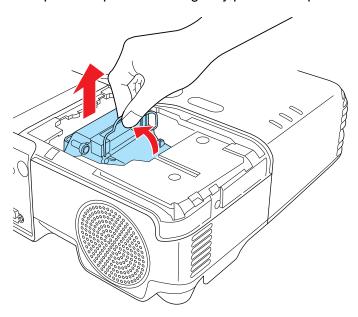
4. Slide the lamp cover out and lift it off.



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

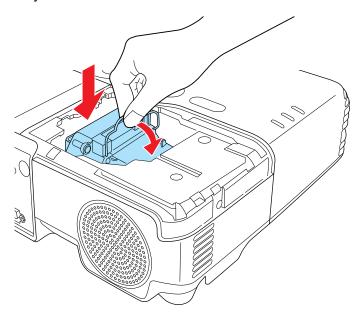


6. Lift up the lamp handle and gently pull the lamp out of the projector.



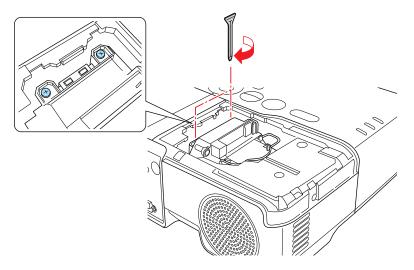
Note: Hg The lamp(s) in this product contain mercury. Please consult your state and local regulations regarding disposal or recycling. Do not put in the trash.

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

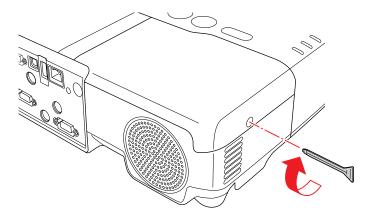


Caution: Do not touch any glass on the lamp assembly to avoid premature lamp failure.

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



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



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

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

Parent topic: Projector Lamp Maintenance

Related tasks

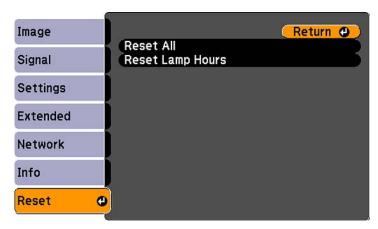
Resetting the Lamp Timer

Resetting the Lamp Timer

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

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

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



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

You see a prompt asking if you want to reset the lamp hours.

- 5. Select **Yes** and press **Enter**.
- 6. Press **Menu** to exit the menus.

Parent topic: Projector Lamp Maintenance

Related tasks

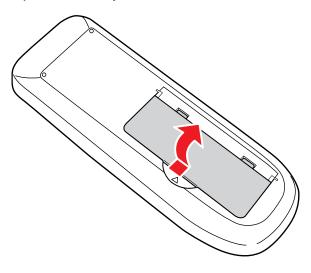
Replacing the Lamp

Replacing the Remote Control Batteries

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

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

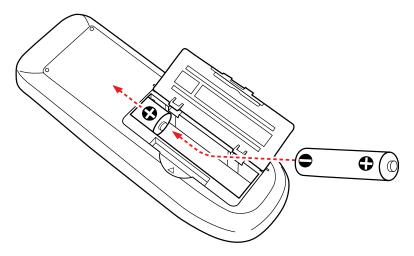
1. Open the battery cover as shown.



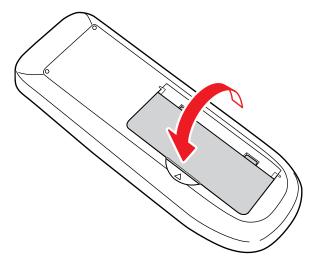
2. Remove the old batteries.

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

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



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



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

Parent topic: Projector Maintenance

Related references

Remote Control Operation

Transporting the Projector

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

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

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

Parent topic: Maintaining and Transporting the Projector

Solving Problems

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

Projection Problem Tips

Projector Light Status

Using the Projector Help Displays

Solving Image or Sound Problems

Solving Projector or Remote Control Operation Problems

Solutions When Network Alert E-Mails are Not Received

Where to Get Help

Projection Problem Tips

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

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

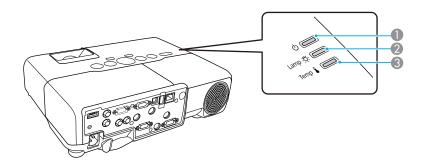
- The lights on the projector's control panel may indicate what the problem is.
- The projector's Help system can display information about common problems, if the projector is operating.
- The solutions in this manual can help you solve many problems.

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

Parent topic: Solving Problems

Projector Light Status

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



- 1 Power light
- 2 Lamp light
- 3 Temperature light

Power light	Lamp light	Temperature light	Status and solution
Green	Off	Off	Normal operation.
Flashing green	Off	Off	Warming up. Wait for an image to appear.
Orange	Off	Off	Standby or sleep mode.
Flashing orange	Off	Off	Preparing network monitoring or shutting down. (Wait for the light to remain orange before unplugging the projector.)
Flashing red	Off	Flashing orange	Projector is too hot.
			 Make sure that the vents and air filter are not clogged with dust or obstructed by nearby objects.
			Make sure the environmental temperature is not too hot.
			If overheating continues, replace the air filter.

Power light	Lamp light	Temperature light	Status and solution
Red	Off	Red	Projector has overheated and turned off. Leave it turned off to cool down for five minutes.
			 Make sure that the vents and air filter are not clogged with dust or obstructed by nearby objects.
			If operating the projector at high altitude, turn on High Altitude Mode.
			If overheating continues, replace the air filter.
			If the problem persists, unplug the projector and contact Epson for help.
Red	Flashing red	Off	Lamp has a problem.
			Check to see if the lamp is burned out, broken, or installed incorrectly. Reseat or replace the lamp as necessary.
			Make sure that the vents and air filter are not clogged with dust or obstructed by nearby objects.
			If operating the projector at high altitude, turn on High Altitude Mode.
			If the problem persists, unplug the projector and contact Epson for help.
On	Flashing orange	Off	Replace the lamp soon to avoid damage. Do not continue using the projector.
Red	Off	Flashing red	A fan or sensor has a problem. Turn the projector off, unplug it, and contact Epson for help.
Red or flashing red	Flashing red	Flashing red	Internal projector error. Turn the projector off, unplug it, and contact Epson for help.

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

Parent topic: Solving Problems

Related references

Projector Setup Settings - Extended Menu Where to Get Help

Related tasks

Cleaning the Air Filter and Vents Replacing the Air Filter Replacing the Lamp

Using the Projector Help Displays

You can display information to help you solve common problems using the projector's Help system.

- 1. Turn on the projector.
- 2. Press the **Help** button on the projector or the remote control.

You see the Help menu.

- 3. Use the up and down arrow buttons to highlight the problem you want to solve.
- 4. Press Enter to view the solutions.
- 5. When you are finished, do one of the following:
 - To select another problem to solve, press Esc.
 - To exit the help system, press **Help**.

Parent topic: Solving Problems

Solving Image or Sound Problems

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

Solutions When No Image Appears

Solutions When Image is Incorrect Using the USB Display Function

Solutions When "No Signal" Message Appears

Solutions When "Not Supported" Message Appears

Solutions When Only a Partial Image Appears

Solutions When the Image is Not Rectangular

Solutions When the Image Contains Noise or Static

Solutions When the Image is Fuzzy or Blurry

Solutions When the Image Brightness or Colors are Incorrect

Solutions When There is No Sound or Low Volume Solutions to Microphone Problems

Parent topic: Solving Problems

Solutions When No Image Appears

If no image appears, try the following solutions:

- Make sure the lens cover is open or off.
- Press the A/V Mute button to see if the image was temporarily turned off.
- Make sure all necessary cables are securely connected and the power is on for the projector and connected video sources.
- Press the projector's power button to wake it from standby or sleep mode. Also see if your connected computer is in sleep mode or displaying a blank screen saver.
- If you unplugged the projector and plugged it right back in, press the power button to turn on the projector (with **Direct Power On** enabled).
- Check the settings on the Signal menu to make sure they are correct for the current video source.
- Adjust the **Brightness** setting or select the **Normal** Power Consumption setting.
- Check the **Display** setting to make sure **Messages** is set to **On**.
- If the projector does not respond when you press the control panel buttons, the buttons may be locked. Unlock the buttons.
- If the projector does not respond when you press buttons on the remote control, make sure the remote receivers are turned on.

Parent topic: Solving Image or Sound Problems

Related references

Projector Setup Settings - Extended Menu Image Quality Settings - Image Menu Input Signal Settings - Signal Menu Projector Feature Settings - Settings Menu

Related tasks

Unlocking the Projector's Buttons

Solutions When Image is Incorrect Using the USB Display Function

If no image appears or if the image appears incorrectly using the USB Display function, try the following solutions:

- Press the **USB** button on the remote control.
- Make sure the **USB Type B** setting in the Extended menu is set to **USB Display**.
- With Mac OS X, select the **USB Display** icon in the Dock or from the **Applications** folder.
- With Windows Media Center, reduce the screen size from full screen mode.
- With Windows DirectX, turn off DirectX functions.
- Turn off the Transfer layered window setting in the Epson USB Display Settings program on your computer.

Parent topic: Solving Image or Sound Problems

Related references

Projector Setup Settings - Extended Menu

Solutions When "No Signal" Message Appears

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

- Press the **Source Search** button and wait a few seconds for an image to appear.
- Turn on the connected computer or video source, and press Play to begin your presentation, if necessary.
- Check the connection from the projector to your video sources.
- If you are projecting from a laptop computer, make sure it is set up to display on an external monitor.
- If necessary, turn the projector and the connected computer or video source off and then on again.

Displaying From a PC Laptop
Displaying From a Mac Laptop

Parent topic: Solving Image or Sound Problems

Displaying From a PC Laptop

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

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

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

Parent topic: Solutions When "No Signal" Message Appears

Displaying From a Mac Laptop

If you see the "No Signal" message when you display from a Mac laptop, you need to set up the laptop for mirrored display.

- 1. Open the **System Preferences** utility and select **Displays**.
- 2. Select Detect Displays.
- 3. Do one of the following:
 - Mac OS X 10.6.x: Click Show displays in menu bar.
 - Other Mac OS X versions: Select the VGA Display or Color LCD option, click the Arrange or Arrangement tab, and check the Mirror Displays checkbox. (See your laptop manual for details.)

Parent topic: Solutions When "No Signal" Message Appears

Solutions When "Not Supported" Message Appears

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

- Make sure the correct input signal is selected on the **Signal** menu.
- Make sure the computer's display resolution does not exceed the projector's resolution and frequency limit. If necessary, select a different display resolution for your computer. (See your computer manual for details.)

Parent topic: Solving Image or Sound Problems

Related references

Input Signal Settings - Signal Menu Supported Video Display Formats

Solutions When Only a Partial Image Appears

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

• Press the **Auto** button on the remote control to optimize the image signal.

- Try adjusting the image position using the **Position** menu setting.
- Press the **Aspect** button on the remote control to select a different image aspect ratio.
- If you zoomed into or out of the image using the E-Zoom buttons, press the Esc button to return to a full display.
- Check your computer display settings to disable dual display and set the resolution within the projector's limits. (See your computer manual for details.)
- Check the resolution assigned to your presentation files to see if they are created for a different resolution than you are projecting in. (See your software help for details.)

Parent topic: Solving Image or Sound Problems

Related references

Input Signal Settings - Signal Menu Supported Video Display Formats

Solutions When the Image is Not Rectangular

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

- Place the projector directly in front of the center of the screen, facing it squarely, if possible.
- If you adjusted the projector height using the projector feet, press the keystone buttons on the projector to adjust the image shape.
- Turn on automatic keystone adjustments using the projector's menus.
- Adjust the Quick Corner setting to correct the image shape.

Parent topic: Solving Image or Sound Problems

Related references

Projector Feature Settings - Settings Menu

Related tasks

Correcting Image Shape With Quick Corner

Solutions When the Image Contains Noise or Static

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

- Check the cables connecting your computer or video source to the projector. They should be:
 - Separated from the power cord to prevent interference

- Securely connected at both ends
- No longer than 9.8 feet (3 m)
- Not connected to an extension cable
- If you are projecting from a laptop computer, try turning off simultaneous display on the laptop screen to avoid splitting the video signal.
- Check the settings on the projector's Signal menu to make sure they match the video source. If available for your video source, adjust the **Progressive** and **Noise Reduction** settings.
- Select a computer video resolution that is compatible with the projector.
- If you are projecting from a computer, press the **Auto** button on the remote control to automatically adjust the tracking and sync settings.
- If you adjusted the image shape using the projector controls, try decreasing the **Sharpness** setting to improve image quality.
- If you connected an extension cable, try projecting without it to see if it caused interference in the signal.

Parent topic: Solving Image or Sound Problems

Related references

Input Signal Settings - Signal Menu Supported Video Display Formats

Related tasks

Displaying From a PC Laptop
Displaying From a Mac Laptop

Solutions When the Image is Fuzzy or Blurry

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

- · Adjust the image focus.
- Clean the projector lens.

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

- Position the projector close enough to the screen, and directly in front of it.
- Position the projector so the keystone adjustment angle is not so wide that it distorts the image.

- Turn on automatic keystone adjustment in the projector's menus.
- Adjust the Sharpness setting to improve image quality.
- If you are projecting from a computer, press the **Auto** button on the remote control to automatically adjust the tracking and sync. If any bands or overall blurriness remains, display a uniformly patterned image on the screen and manually adjust the **Tracking** and **Sync** settings.

Parent topic: Solving Image or Sound Problems

Related references

Input Signal Settings - Signal Menu Image Quality Settings - Image Menu Projection Distance

Related tasks

Focusing the Image Using the Focus Ring Cleaning the Lens

Solutions When the Image Brightness or Colors are Incorrect

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

- Press the Color Mode button on the remote control to try different color modes for the image and environment.
- Adjust the available settings on the Image menu for the current input source, such as **Brightness**, **Contrast**, **Tint**, **Color Adjustment**, and/or **Color Saturation**.
- Make sure you selected the correct input source on the Signal menu.
- Make sure all the cables are securely connected to the projector and your video device. If you
 connected long cables, try connecting shorter cables.
- For computers, check the color balance of your computer's display. (See your computer manual for details.)
- If the colors are incorrect from a video source, make sure you selected the correct **Video Signal** setting.
- If you are using the **ECO** Power Consumption setting, try selecting **Normal** in the Settings menu.
- If the image has been progressively darkening, you may need to replace the projector lamp soon.

Parent topic: Solving Image or Sound Problems

Related concepts

Projector Lamp Maintenance

Related references

Input Signal Settings - Signal Menu Image Quality Settings - Image Menu Projector Feature Settings - Settings Menu

Solutions When There is No Sound or Low Volume

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

- Press a **Volume** button on the remote control or projector control panel to adjust the volume.
- Press the A/V Mute button to resume video and audio if they were temporarily stopped.
- Press the **Source Search** button to switch to the correct input source, if necessary.
- Check your computer or video source to make sure the volume is turned up.
- Check the audio cable connections between the projector and your video source.
- If you do not hear sound from an HDMI source, set the connected device to PCM output.
- Make sure any connected audio cables are labelled "No Resistance".
- If you are using the USB Display function, turn on the **Output audio from the projector** setting in the Epson USB Display Settings program on your computer.

Parent topic: Solving Image or Sound Problems

Solutions to Microphone Problems

If there is no sound when you use a microphone connected to the projector (not available for PowerLite 92/93), try the following solutions:

- Make sure the microphone is securely connected to the projector.
- Adjust the **Mic Input Level** and **Plug-in Power** settings as necessary in the projector's menus.

Parent topic: Solving Image or Sound Problems

Related references

Projector Feature Settings - Settings Menu Projector Setup Settings - Extended Menu

Related tasks

Connecting a Microphone

Solving Projector or Remote Control Operation Problems

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

Solutions to Projector Power or Shut-Off Problems

Solutions to Problems With the Remote Control

Solutions to Password Problems

Parent topic: Solving Problems

Solutions to Projector Power or Shut-Off Problems

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

- Make sure the power cord is securely connected to the projector and to a working electrical outlet.
- The projector's buttons may be locked for security. Unlock the buttons or use the remote control to turn on the projector.
- The power cord may be defective. Disconnect the cord and contact Epson.
- If the projector's lamp shuts off unexpectedly, it may have entered sleep mode after a period of inactivity. Begin a presentation to wake the projector.
- If the projector's lamp shuts off and the power and **Temp** lights are red, the projector has overheated and shut off. Check the solutions for this light status.
- If the power button on the remote control does not turn on the projector, check its batteries and make sure the **Remote Receivers** setting is turned on in the projector's menus.

Parent topic: Solving Projector or Remote Control Operation Problems

Related references

Projector Feature Settings - Settings Menu

Projector Light Status

Related tasks

Unlocking the Projector's Buttons

Solutions to Problems With the Remote Control

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

Check that the remote control batteries are installed correctly and have power. If necessary, replace
the batteries.

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

Parent topic: Solving Projector or Remote Control Operation Problems

Related references

Projector Feature Settings - Settings Menu Optional Equipment and Replacement Parts Remote Control Operation

Solutions to Password Problems

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

- You may have turned on password protection without first setting a password. Try entering **0000** using the remote control.
- If you have entered an incorrect password too many times and see a message displaying a request code, write down the code and contact Epson.
- If you lose the remote control you cannot enter a password. Order a new one from Epson.

Parent topic: Solving Projector or Remote Control Operation Problems

Solutions When Network Alert E-Mails are Not Received

If you do not receive an e-mail alerting you to problems with a projector over the network (PowerLite 93/95/96W/905/915W/1835), try the following solutions:

- Make sure the projector is turned on and connected to the network correctly. (If an error shut down the projector, it cannot send an e-mail.)
- Make sure you set up the projector e-mail alert settings correctly on the projector's network Mail menu or in the network software.

 Set the Standby Mode setting to Communication On so the network software can monitor the projector in standby mode.

Parent topic: Solving Problems

Related concepts

Wired Network Projection
Wireless Network Projection

Related references

Projector Setup Settings - Extended Menu Projector Network Settings - Network Menu

Where to Get Help

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

Internet Support

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

Speak to a Support Representative

To use the Epson PrivateLine Support service, call (800) 637-7661 and enter the PIN on the included Epson PrivateLine Support card. This is the fastest way of speaking to a live representative, and it's free. This service is available 6 AM to 6 PM, Pacific Time, Monday through Friday, for the duration of your warranty period.

You may also speak with a projector support specialist by dialing one of these numbers:

- U.S.: (562) 276-4394, 6 AM to 8 PM, Pacific Time, Monday through Friday, and 7 AM to 4 PM, Pacific Time, Saturday
- Canada: (905) 709-3839, 6 AM to 8 PM, Pacific Time, Monday through Friday

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

Before you call, have the following information ready:

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

- Computer or video configuration
- Description of the problem

Purchase Supplies and Accessories

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

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

Parent topic: Solving Problems

Technical Specifications

These sections list the technical specifications of your projector.

General Projector Specifications

Projector Lamp Specifications

Remote Control Specifications

Projector Dimension Specifications

Projector Electrical Specifications

Projector Environmental Specifications

Projector Safety and Approvals Specifications

Supported Video Display Formats

General Projector Specifications

Type of display Poly-silicon TFT active matrix Resolution

PowerLite 92/93/95/905/1835:

1024 x 768 pixels (XGA)

PowerLite 96W/915W:

1280 x 800 pixels (WXGA)

PowerLite 92/93/95/96W: Lens

F=1.58 to 1.72

Focal length: 16.9 to 20.28 mm PowerLite 905/915W/1835:

F=1.51 to 1.99

Focal length: 18.2 to 29.2 mm

Color reproduction Full color, 16.77 million colors

Brightness

PowerLite 92/93:

Normal Power Consumption mode:

White light output 2400 lumens (ISO 21118 standard)

Color light output 2400 lumens

ECO Power Consumption mode:

White light output 1920 lumens (ISO 21118 standard)

PowerLite 95:

Normal Power Consumption mode:

White light output 2600 lumens (ISO 21118 standard)

Color light output 2600 lumens

ECO Power Consumption mode:

White light output 2080 lumens (ISO 21118 standard)

PowerLite 96W:

Normal Power Consumption mode:

White light output 2700 lumens (ISO 21118 standard)

Color light output 2700 lumens

ECO Power Consumption mode:

White light output 2160 lumens (ISO 21118 standard)

PowerLite 905:

Normal Power Consumption mode:

White light output 3000 lumens (ISO 21118 standard)

Color light output 3000 lumens

ECO Power Consumption mode:

White light output 2400 lumens (ISO 21118 standard)

PowerLite 915W:

Normal Power Consumption mode:

White light output 3200 lumens (ISO 21118 standard)

Color light output 3200 lumens

ECO Power Consumption mode:

White light output 2240 lumens (ISO 21118 standard)

PowerLite 1835:

Normal Power Consumption mode:

White light output 3500 lumens (ISO 21118 standard)

Color light output 3500 lumens

ECO Power Consumption mode:

White light output 2450 lumens (ISO 21118 standard)

Contrast ratio 2000:1 with Auto Iris On and Normal Power Consumption mode

Image size PowerLite 92/93/95/905/1835:

30 to 300 inches (0.8 to 7.6 m)

PowerLite 96W:

33 to 318 inches (0.8 to 8 m)

PowerLite 915W:

29 to 280 inches (0.7 to 7.1 m)

Projection distance PowerLite 92/93/95/96W:

35 to 425 inches (0.9 to 10.8 m)

PowerLite 905/915W/1835:

33 to 547 inches (0.84 to 13.9 m)

Projection methods Front, rear, ceiling-mounted

Optical aspect ratio PowerLite 92/93/95/905/1835:

(width-to-height) 4:3

PowerLite 96W/915W:

16:10

Focus adjustment Manual Zoom adjustment Manual

Zoom ratio PowerLite 92/93/95/96W:

(Tele-to-Wide) 1:1.2

PowerLite 905/915W/1835:

1:1.6

Internal sound system 16 W monaural

Noise level PowerLite 92/93/95/96W/905:

33 dB (Normal Power Consumption mode)28 dB (ECO Power Consumption mode)

PowerLite 915W/1835:

37 dB (Normal Power Consumption mode)29 dB (ECO Power Consumption mode)

Keystone correction angle Vertical: ± 30°

Horizontal: ± 30°

USB Type B port compatibility USB 1.1 and 2.0 compliant for USB display or external mouse

USB Type A port compatibility USB 1.1 and 2.0 compliant port for USB device input or Epson

document camera display

Parent topic: Technical Specifications

Projector Lamp Specifications

Type UHE (Ultra High Efficiency)

Power consumption PowerLite 92/93/95/96W/905:

200 W

PowerLite 915W/1835:

230 W

Lamp life PowerLite 92/93/95/96W/905:

Normal Power Consumption mode:

Up to about 5000 hours

ECO Power Consumption mode:

Up to about 6000 hours PowerLite 915W/1835:

Normal Power Consumption mode:

Up to about 4000 hours

ECO Power Consumption mode:

Up to about 6000 hours

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

Parent topic: Technical Specifications

Remote Control Specifications

Reception range 19.7 feet (6 m)

Batteries Two alkaline or manganese AA

Parent topic: Technical Specifications

Projector Dimension Specifications

Height 3.66 inches (93 mm)

(excluding feet)

 Width
 15.6 inches (345 mm)

 Depth
 10.4 inches (263 mm)

Weight PowerLite 92/93:

6.91 lb (3.13 kg) **PowerLite 95**:

6.97 lb (3.16 kg)

PowerLite 96W:

7.19 lb (3.26 kg)

PowerLite 905:

7.39 lb (3.35 kg)

PowerLite 915W/1835:

7.42 lb (3.36 kg)

Parent topic: Technical Specifications

Projector Electrical Specifications

Rated frequency 50/60 Hz

Power supply 100 to 240 VAC ±10%

PowerLite 92/93/95:

3.2 to 1.4 A

PowerLite 96W/905:

3.2 to 1.5 A

PowerLite 915W/1835:

3.6 to 1.6 A

Power consumption

(100 to 120 V)

Operating:

PowerLite 92/93/95:

Normal Power Consumption mode: 312 W ECO Power Consumption mode: 261 W

PowerLite 96W/905:

Normal Power Consumption mode: 313 W ECO Power Consumption mode: 264 W

PowerLite 915W/1835:

Normal Power Consumption mode: 355 W ECO Power Consumption mode: 263 W

Standby:

PowerLite 92:

0.31 W (Communication Off), N/A (Communication On)

PowerLite 93:

0.31 W (Communication Off), 4.1 W (Communication On)

PowerLite 95:

0.31 W (Communication Off), 8.1 W (Communication On)

PowerLite 96W/905/915W/1835:

0.29 W (Communication Off), 8.9 W (Communication On)

Power consumption

Operating:

(200 to 240 V)

PowerLite 92/93/95:

Normal Power Consumption mode: 299 W ECO Power Consumption mode: 254 W

PowerLite 96W/905:

Normal Power Consumption mode: 300 W ECO Power Consumption mode: 253 W

PowerLite 915W/1835:

Normal Power Consumption mode: 337 W ECO Power Consumption mode: 252 W

Standby:

PowerLite 92:

0.40 W (Communication Off), N/A (Communication On)

PowerLite 93:

0.40 W (Communication Off), 4.6 W (Communication On)

PowerLite 95:

0.40 W (Communication Off), 8.8 W (Communication On)

PowerLite 96W/905/915W/1835:

0.39 W (Communication Off), 9.6 W (Communication On)

Parent topic: Technical Specifications

Projector Environmental Specifications

Temperature Operating: 41 to 95 °F (5 to 35 °C)

Storage: 14 to 140 °F (-10 to 60 °C)

Humidity Operating: 20 to 80% (relative, non-condensing) Storage: 10 to 90%

Operating altitude Up to 4921 feet (1500 m)

Up to 7500 feet (2286 m) with High Altitude Mode enabled

Parent topic: Technical Specifications

Projector Safety and Approvals Specifications

United States FCC Part 15 Class B (DoC)

UL60950-1

Canada ICES-003 Class B

CSA C22.2 No. 60950-1

Parent topic: Technical Specifications

Supported Video Display Formats

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

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

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

Display format	Refresh rate (in Hz)	Resolution (in pixels)		
Computer signals (analog RGB)				
VGA	60/72/75/85	640 × 480		
SVGA	56/60/72/75/85	800 × 600		
XGA	60/70/75/85	1024 × 768		
WXGA	60	1280 × 768		
	60	1360 × 768		
	60/75/85	1280 × 800		

Display format	Refresh rate (in Hz)	Resolution (in pixels)
SXGA	70/75/85	1152 × 864
	60/75/85	1280 × 960
	60/75/85	1280 × 1024
SXGA+	60/75	1400 × 1050
WXGA+	60/75/85	1440 × 900
UXGA	60	1600 × 1200
WSXGA+*, **	60	1680 × 1050
WUXGA (Reduced Blanking)	60	1920 × 1200
MAC13"	67	640 × 480
MAC16"	75	832 × 624
MAC19"	75	1024 × 768
	59	1024 × 768
MAC21"	75	1152 × 870
Composite video	•	
TV (NTSC)	60	720 × 480
TV (PAL)	50/60	720 × 576
TV (SECAM)	50	720 × 576
Component video		
SDTV (480i)	60	720 × 480
SDTV (576i)	50	720 × 576
SDTV (480p)	60	720 × 480
SDTV (576p)	50	720 × 576
HDTV (720p)	50/60	1280 × 720
HDTV (1080i)	50/60	1920 × 1080
HDMI input signals		
VGA	60	640 × 480

Display format	Refresh rate (in Hz)	Resolution (in pixels)
SVGA	60	800 × 600
XGA	60	1024 × 768
WXGA	60	1280 × 800
SXGA	60	1280 × 960
	60	1280 × 1024
SXGA+	60	1400 × 1050
UXGA	60	1600 × 1200
SDTV (480i/480p)	60	720 × 480
SDTV (576i/576p)	50	720 × 576
HDTV (720p)	50/60	1280 × 720
HDTV (1080i)	50/60	1920 × 1080
HDTV (1080p)	24/30/50/60	1920 × 1080

^{*} PowerLite 96W/915W only

Parent topic: Technical Specifications

^{**} Available only when using the **Wide** option as the **Resolution** setting

Notices

Check these sections for important notices about your projector.

Important Safety Information
Important Safety Instructions
FCC Compliance Statement
Trademarks
Software Copyright
Copyright Notice

Important Safety Information

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

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

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

Parent topic: Notices

Important Safety Instructions

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

- Do not look into the lens when the projector is on. The bright light can damage your eyes.
- Do not place the projector on an unstable cart, stand, or table.
- Do not operate the projector on its side, or while tilted to one side. Do not tilt the projector more than 30° forward or back.

- If the projector is mounted on a ceiling, it should be installed by qualified technicians using mounting hardware designed for use with this projector.
- When installing or adjusting a ceiling mount, do not use adhesives to prevent the screws from loosening and do not use oils or lubricants. This may cause the projector case to crack and the projector to fall from its ceiling mount. This could cause serious injury to anyone under the mount and could damage the projector.
- Do not use the projector near water or sources of heat.
- Use the type of power source indicated on the projector. Use of a different power source may result in fire or electric shock. If you are not sure of the power available, consult your dealer or power company.
- Place the projector near a wall outlet where the plug can be easily unplugged.
- Take the following precautions when handling the plug: Do not hold the plug with wet hands. Do not insert the plug into an outlet with dust present. Insert the plug firmly into the outlet. Do not pull the power cord when disconnecting the plug; always be sure to hold the plug when disconnecting it. Failure to comply with these precautions could result in fire or electric shock.
- Do not overload wall outlets, extension cords, or power strips. Do not insert the plug into a dusty outlet. This can cause fire or electric shock.
- Do not place the projector where the cord can be walked on. This may result in fraying or damage to the plug.
- Unplug the projector from the wall outlet before cleaning. Use a dry cloth (or, for stubborn dirt or stains, a moist cloth that has been wrung dry) for cleaning. Do not use liquid or aerosol cleaners.
- Do not block the slots and openings in the projector case. They provide ventilation and prevent the projector from overheating. Do not operate the projector on a sofa, rug, or other soft surface, or set it on top of loose papers, which could block vents underneath the projector. If you are setting up the projector near a wall, leave at least 7.9 inches (20 cm) of space between the wall and the air exhaust vent.
- Do not operate the projector in a closed-in cabinet unless proper ventilation is provided.
- Never push objects of any kind through the cabinet slots. Never spill liquid of any kind into the projector.
- If you are using two or more projectors side-by-side, leave at least 2 feet (60 cm) of space between the projectors to allow for proper ventilation.
- You may need to clean the air filter and vent. A clogged air filter or vent can block ventilation needed to cool the projector.
- Do not store the projector outdoors for an extended length of time.

- Except as specifically explained in this manual, do not attempt to service this product yourself. Refer all servicing to qualified personnel. Opening or removing covers may expose you to dangerous voltages and other hazards.
- Never open any covers on the projector except as specifically explained in this manual. Never attempt to disassemble or modify the projector. Refer all repairs to qualified service personnel.
- Unplug the projector from the wall outlet and refer servicing to qualified service personnel under the
 following conditions: if it does not operate normally when you follow the operating instructions, or
 exhibits a distinct change in performance; if smoke, strange odors, or strange noises come from the
 projector; if the power cord or plug is damaged or frayed; if liquid or foreign objects get inside the
 projector, or if it has been exposed to rain or water; if it has been dropped or the housing has been
 damaged.
- Do not touch the plug during an electrical storm. Otherwise, you may receive an electric shock.
- Unplug the projector when it will not be used for extended periods.
- Do not use the projector where it may be exposed to rain, water, or excessive humidity.
- Do not use the projector where it may be exposed to excessive dust or smoke.
- Do not use or store the projector or remote control in a hot location, such as near a heater, in direct sunlight, or in a closed vehicle.
- If you use the projector in a country other than where you purchased it, use the correct power cord for that country.
- Do not stand on the projector or place heavy objects on it.
- Do not use the projector outside of the required temperature range of 41 to 95 °F (5 to 35 °C). Doing so may cause an unstable display and could lead to projector damage.
- Do not store the projector outside of the required temperature range of 14 to 140 °F (-10 to 60 °C) or in direct sunlight for long periods of time. Doing so may cause damage to the case.
- Do not place anything that can become warped or damaged by heat near the exhaust vents. Do not bring your hands or face close to the vents while projection is in progress.
- Before you move the projector, make sure its power is turned off, the plug is disconnected from the outlet, and all cables are disconnected.
- Never try to remove the lamp immediately after use because it will be extremely hot. Before removing the lamp, turn off the power and wait at least an hour to allow the lamp to cool completely.
- Do not place the source of an open flame, such as a lit candle, on or near the projector.
- Do not modify the power cord. Do not place heavy objects on top of the power cord or bend, twist, or pull it excessively. Keep the power cord away from hot electrical appliances.

- If the lamp breaks, ventilate the room to prevent gases contained in the lamp from being inhaled or coming in contact with your eyes or mouth.
- If the projector is mounted overhead and the lamp breaks, be careful to prevent pieces of glass from falling into your eyes when you open the lamp cover.

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

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

Parent topic: Notices

FCC Compliance Statement

For United States Users

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

For Canadian Users

This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

Cet appareil numérique de la classe B respecte toutes les exigences du Règlement sur le materiel brouilleur du Canada.

Parent topic: Notices

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General Notice: Other product names used herein are for identification purposes only and may be trademarks of their respective owners. Epson disclaims any and all rights in those marks.



Parent topic: Notices

Software Copyright

GNU GPL

This projector product includes the open source software programs which apply the GNU General Public License Version 2 or later version ("GPL Programs").

We provide the source code of the GPL Programs until five (5) years after the discontinuation of same model of this projector product.

If you desire to receive the source code of the GPL Programs, please see the "EPSON Projector Contact List" in the User's Guide, and contact the customer support of your region.

These GPL Programs are WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

The list of GPL Programs is as follows and the names of author are described in the source code of the GPL Programs

The list of GPL Programs

busybox-1.13.4

iptables-1.4.4

libgcc1(gcc-4.3.3)

linux-2.6.27

patches

udhcp 0.9.8

uvc rev.219

wireless_tools 29

EPSON original drivers

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Version 2, June 1991

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Independent implementation of MD5 (RFC 1321).

This code implements the MD5 Algorithm defined in RFC 1321, whose text is available at http://www.ietf.org/rfc/rfc1321.txt

The code is derived from the text of the RFC, including the test suite (section A.5) but excluding the rest of Appendix A. It does not include any code or documentation that is identified in the RFC as being copyrighted.

The original and principal author of md5.h is L. Peter Deutsch <ghost@aladdin.com>. Other authors are noted in the change history that follows (in reverse chronological order):

2002-04-13 lpd Removed support for non- ANSI compilers; removed

references to Ghostscript; clarified derivation from RFC 1321; now handles byte order either statically or dynamically.

1999-11-04 lpd Edited comments slightly for automatic TOC extraction.

1999-10-18 lpd Fixed typo in header comment (ansi2knr rather than md5);

added conditionalization for C++ compilation from Martin Purschke <purschke@bnl.gov>.

1999-05-03 lpd Original version.

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