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› Epson POWERLITE 1945W WXGA 3LCD Projector Instruction Manual

Epson POWERLITE 1945W

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Instruction Manual

1. INTRODUCTION

The Epson POWERLITE 1945W is a high-performance WXGA 3LCD projector designed for bright, vibrant presentations in various environments, from conference rooms to classrooms. It offers advanced features such as wireless connectivity, automatic keystone correction, and Faroudja DCDi® technology for smooth video playback. This manual provides essential information to help you set up, operate, and maintain your projector for optimal performance and longevity.

2. SAFETY INFORMATION

Please read all safety instructions before using the projector to prevent injury or damage. Keep this manual for future reference.

- **Power Source:** Use only the power supply specified for this projector.
- **Ventilation:** Ensure adequate ventilation around the projector. Do not block ventilation openings.
- **Heat:** The projector lamp becomes very hot during operation. Allow it to cool before handling.
- **Lamp Replacement:** High-pressure lamp may explode if improperly handled. Refer to the maintenance section for proper lamp replacement procedures.
- **Liquid and Moisture:** Do not expose the projector to rain or moisture. Do not place objects filled with liquids on or near the projector.
- **Cleaning:** Disconnect the power cord before cleaning. Use a soft, dry cloth.

3. PACKAGE CONTENTS

Verify that all items are included in your package:



Image: The Epson POWERLITE 1945W projector, still in its protective plastic, alongside its quick setup guide, remote control, and a power cable, all neatly packaged.

- Epson POWERLITE 1945W Projector
- Power Cable
- Remote Control with Batteries
- Computer Cable (VGA)
- USB Cable
- CD-ROM (Projector Software)
- Quick Setup Guide

4. PRODUCT OVERVIEW

4.1 Front and Top View



Image: A three-quarter view of the Epson POWERLITE 1945W projector, showcasing its lens, front exhaust vent, and control panel on the top surface.

- **Lens:** Projects the image.
- **Focus Ring:** Adjusts image sharpness.
- **Zoom Lever:** Adjusts image size.
- **Control Panel:** Buttons for power, menu navigation, input selection, and keystone correction.
- **Front Adjustable Foot:** Raises or lowers the front of the projector.

4.2 Rear View and Connectivity



Image: The rear panel of the Epson POWERLITE 1945W projector, displaying a variety of input and output ports including DisplayPort, HDMI, VGA (Computer 1 & 2), Video, Audio, USB-A, USB-B, LAN, and RS-232C.

- **DisplayPort:** Digital video and audio input.
- **HDMI:** High-Definition Multimedia Interface for digital video and audio.
- **Computer 1/2 (VGA):** Analog video input for computers.
- **Video (RCA):** Composite video input.
- **Audio 1/2 (RCA/Stereo Mini):** Audio inputs for various sources.
- **Monitor Out (VGA):** Outputs video signal to an external monitor.
- **Audio Out (Stereo Mini):** Outputs audio signal.
- **USB-A:** For USB display, PC-free presentations, or optional wireless LAN adapter.
- **USB-B:** For USB display or projector control.
- **LAN (RJ-45):** For network connectivity and control.
- **RS-232C:** Serial port for projector control.

5. SETUP

5.1 Projector Placement

Place the projector on a stable, flat surface or mount it securely. Ensure the projector is positioned at an appropriate distance from the screen to achieve the desired image size. The 1.6x optical zoom provides flexibility in placement.

5.2 Connecting to Power

1. Connect the power cable to the projector's AC inlet.
2. Plug the other end of the power cable into a grounded electrical outlet.

5.3 Connecting Input Sources

Connect your video and audio sources to the appropriate ports on the rear of the projector. For example:

- **HDMI:** For high-definition video and audio from a computer, Blu-ray player, or other HDMI-enabled device.
- **VGA (Computer 1/2):** For analog video from a computer. Connect the audio cable separately if needed.
- **USB-A:** For USB display from a computer (requires Epson USB Display software) or for PC-free presentations from a USB storage device.
- **LAN:** For network projection and control.

5.4 Wireless Setup (Optional)

The POWERLITE 1945W supports advanced wireless security protocols (WEP, WPA, WPA2). An optional wireless LAN adapter may be required for wireless connectivity.

1. Install the optional wireless LAN adapter into the USB-A port (if not built-in).
2. Access the projector's menu and navigate to the Network settings.
3. Select your wireless network and enter the password if prompted.
4. Refer to the detailed network guide on the included CD-ROM for advanced wireless setup and network projection instructions.

6. OPERATING

6.1 Powering On/Off

- **To Power On:** Press the power button on the projector's control panel or remote control. The power light will turn blue.
- **To Power Off:** Press the power button again. A confirmation message may appear. Press the power button once more to confirm. The power light will flash and then turn off.

6.2 Adjusting the Image

- **Focus:** Rotate the focus ring on the lens until the image is sharp and clear.
- **Zoom:** Use the zoom lever on the lens to adjust the image size to fit your screen.
- **Keystone Correction:** If the image appears trapezoidal, use the keystone correction buttons on the control panel or remote control to square the image. The projector also features automatic vertical and horizontal keystone correction.

6.3 Input Selection

Press the **Source Search** or dedicated input buttons (e.g., HDMI, Computer) on the control panel or remote control to switch between connected input sources.

6.4 Menu Navigation



Image: An on-screen menu of the Epson POWERLITE 1945W projector, displaying options such as Image, Signal, Settings, Extended, Network, Info, and Reset, with 'Info' currently selected.

Use the **Menu** button on the control panel or remote to access the projector's settings. Use the arrow buttons to navigate and the **Enter** button to select options. The menu allows you to adjust image quality, network settings, and other projector functions.

7. MAINTENANCE

7.1 Cleaning the Projector

- **Exterior:** Wipe the projector casing with a soft, dry, lint-free cloth. Do not use liquid or abrasive cleaners.
- **Lens:** Gently wipe the lens with a lens cleaning cloth. Avoid touching the lens directly with your fingers.

7.2 Air Filter Maintenance

Regularly clean the air filter to prevent overheating and maintain optimal performance. The projector may display a warning message when the filter needs cleaning.

1. Turn off the projector and unplug the power cord.
2. Locate the air filter cover (refer to the diagram in the full user guide).
3. Remove the filter and clean it with a small vacuum cleaner or soft brush.
4. Replace the filter and close the cover securely.

7.3 Lamp Replacement

The lamp has a limited lifespan. When the lamp indicator light turns orange or the image becomes dim, it's time to replace the lamp. Always use genuine Epson replacement lamps.



Image: A side view of the Epson POWERLITE 1945W projector, showing a warning label regarding the high-pressure lamp and its proper handling.

WARNING: High-pressure lamp may explode if improperly handled. Allow the projector to cool completely before attempting lamp replacement.

1. Turn off the projector and unplug the power cord. Allow it to cool for at least an hour.
2. Locate the lamp cover (refer to the full user guide for exact location).
3. Loosen the screw(s) securing the lamp cover and remove it.
4. Loosen the screw(s) securing the lamp module and carefully pull out the old lamp.
5. Insert the new lamp module, ensuring it is seated correctly. Tighten the screw(s).
6. Replace the lamp cover and tighten its screw(s).
7. Reset the lamp timer through the projector's menu system.

8. TROUBLESHOOTING

This section addresses common issues you might encounter with your projector.

Problem	Possible Cause	Solution
No image projected	Power not connected; Input source not selected; Lens cap on	Check power cable; Select correct input source; Remove lens cap
Image is blurry	Focus not adjusted; Projector too close/far from screen	Adjust focus ring; Adjust projector distance or zoom
Image is trapezoidal	Projector not perpendicular to screen	Use keystone correction; Reposition projector
No sound	Audio cable not connected; Volume too low; Mute enabled	Connect audio cable; Increase volume; Disable mute

Problem	Possible Cause	Solution
Projector overheats and shuts down	Blocked air filter; Insufficient ventilation	Clean air filter; Ensure proper airflow around projector

9. SPECIFICATIONS

Feature	Specification
Model Number	POWERLITE 1945W
Display Technology	3LCD, 3-chip technology
Native Resolution	WXGA (1280 x 800)
Color Brightness	4200 Lumens
White Brightness	4200 Lumens
Contrast Ratio	Up to 3000:1
Optical Zoom	1.6x
Connectivity	DisplayPort, HDMI, VGA (x2), Composite Video, Audio In (x2), Audio Out, USB-A, USB-B, LAN, RS-232C, Wireless (optional adapter)
Wireless Security	WEP, WPA, WPA2
Product Dimensions	14.8 x 3.6 x 10.7 inches
Item Weight	8.5 pounds
Manufacturer	Epson

10. WARRANTY AND SUPPORT

Epson provides a limited warranty for the POWERLITE 1945W projector. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official Epson website.

Customer Support:

If you encounter issues not covered in this manual or require further assistance, please contact Epson customer support:

- **Website:** www.epson.com/support
- **Phone:** Refer to the Epson website for regional contact numbers.

When contacting support, please have your projector's model number (POWERLITE 1945W) and serial number ready.

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