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> Epson PowerLite 810E Ultra Short Throw 3LCD Projector User Manual

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Model: 810E

1. INTRODUCTION

This manual provides essential instructions for the safe and efficient operation of your Epson PowerLite 810E Ultra Short Throw 3LCD Projector. Please read this manual thoroughly before using the product and retain it for future reference. This projector is designed for high-quality image projection in various environments, offering a short-throw distance for large displays in limited spaces.



Figure 1: Front-top view of the Epson PowerLite 810E Projector, showcasing its compact design and lens placement.

2. SAFETY INFORMATION

Observe the following safety precautions to prevent damage to the projector and ensure safe operation:

- Do not block ventilation openings. Ensure adequate airflow around the projector to prevent overheating.
- Do not look directly into the projector lens when the lamp is on, as the bright light can cause eye damage.
- Place the projector on a stable, level surface. Avoid placing it in direct sunlight or near heat sources.
- Use only the power cord supplied with the projector.
- Do not attempt to service this product yourself. Refer all servicing to qualified service personnel.
- Keep the projector away from water or moisture.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- Epson PowerLite 810E Projector
- Power Cable
- Remote Control with Batteries
- Quick Setup Guide
- CD-ROM (User Manual, Software)

4. SETUP

4.1 Physical Placement

The PowerLite 810E is an ultra-short throw projector, designed to project large images from a very short distance. Place the projector on a flat, stable surface directly in front of the screen or wall. Ensure the projection surface is clean and smooth for optimal image quality.



Figure 2: Angled view of the projector, illustrating its compact form factor suitable for ultra-short throw installations.

4.2 Connecting Devices

Connect your video sources (e.g., computer, Blu-ray player) to the projector's input ports. Refer to the diagram below for port locations.



Figure 3: Rear panel of the projector, displaying various input and output ports including HDMI, USB, LAN, and RS-232.

1. **Power Connection:** Connect the supplied power cable to the projector's AC inlet and then to a grounded electrical outlet.
2. **HDMI:** For high-definition video and audio, connect an HDMI cable from your source device to one of the HDMI ports (HDMI 1, HDMI 2).
3. **USB-A:** Use for connecting USB storage devices or for powering compatible accessories.

4. **USB-B:** For connecting to a computer for display or control.
5. **LAN:** Connect an Ethernet cable for network control and monitoring.
6. **RS-232:** For serial control via a control system.
7. **HDBaseT:** For long-distance transmission of video, audio, and control signals over a single Ethernet cable.

4.3 Initial Power On and Focus Adjustment

1. Press the power button on the projector or remote control. The power indicator will light up.
2. Once the image appears, use the Focus adjustment on the projector or remote control to sharpen the image.
3. Adjust the projector's position or use the keystone correction feature (digital zoom, Quick Corner) to achieve a rectangular image.

5. OPERATING

5.1 Basic Operation

Use the remote control or the control panel on the projector to navigate menus and adjust settings.

- **Power Button:** Turns the projector on or off.
- **Source Button:** Cycles through available input sources (HDMI 1, HDMI 2, HDBaseT, etc.).
- **Menu Button:** Opens the on-screen display (OSD) menu.
- **Navigation Buttons:** Use arrow keys to navigate menu options and the Enter button to select.
- **Volume Buttons:** Adjusts the audio output level.

5.2 Image Adjustments

Access the projector's menu to fine-tune image settings:

- **Picture Mode:** Select from various preset modes (e.g., Dynamic, Presentation, Cinema) or customize your own.
- **Brightness/Contrast:** Adjust these settings to suit your viewing environment.
- **Color/Tint:** Fine-tune color reproduction.
- **Aspect Ratio:** Select the appropriate aspect ratio (e.g., 16:9, 4:3) for your content.
- **Keystone Correction:** Corrects trapezoidal distortion if the projector is not perfectly perpendicular to the screen.
- **Quick Corner:** Allows individual corner adjustment for precise image alignment.

6. MAINTENANCE

Regular maintenance ensures optimal performance and extends the lifespan of your projector.

6.1 Cleaning the Projector

- **Exterior:** Wipe the projector casing with a soft, dry, lint-free cloth. For stubborn dirt, dampen the cloth slightly with water. Do not use abrasive cleaners or solvents.
- **Lens:** Gently clean the lens with a lens cleaning cloth or lens paper. Avoid touching the lens directly with your fingers.
- **Air Vents:** Periodically check the air vents for dust accumulation. Use a soft brush or a can of compressed air to gently clear any blockages. Ensure the projector is off and unplugged before cleaning vents.



Figure 4: Side view of the projector, highlighting the ventilation grilles crucial for heat dissipation.

6.2 Laser Light Source

The Epson PowerLite 810E uses a laser light source with a long operational life (up to 30,000 hours). Unlike traditional lamps, the laser light source does not require regular replacement. If you experience any issues with the light source, contact qualified service personnel.

7. TROUBLESHOOTING

If you encounter problems with your projector, refer to the following common issues and solutions:

Problem	Possible Cause	Solution
No image displayed	Projector not powered on Incorrect input source selected Cable connection issues	Press the power button. Press the Source button to cycle inputs. Check all cable connections (HDMI, HDBaseT, etc.).
Image is blurry	Focus not adjusted Lens is dirty	Adjust the Focus control. Clean the projector lens.
Image is distorted (trapezoid)	Projector not perpendicular to screen	Use Keystone Correction or Quick Corner features. Reposition the projector.
Projector overheats and shuts down	Blocked air vents Operating in a hot environment	Ensure vents are clear; clean if necessary. Operate in a well-ventilated area.

If the problem persists after trying these solutions, contact Epson customer support.

8. SPECIFICATIONS

Feature	Detail
Model Number	810E

Display Technology	3LCD
Light Source	Laser
Brightness	5,000 lumens (Color & White)
Resolution	1920 x 1080 (Full HD)
Light Source Life	Up to 30,000 hours
Connectivity	Wireless, HDMI, USB-A, USB-B, LAN, RS-232, HDBaseT
Special Features	Ultra Short Throw, Digital Zoom, Keystone Correction, Quick Corner
Product Dimensions	31 x 18.2 x 12.2 inches
Item Weight	35.8 pounds
Manufacturer	Epson Corporation

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the warranty card included with your product or visit the official Epson support website. You can also contact Epson customer service directly for assistance with product registration, troubleshooting, and service requests.

Epson Support Website: www.epson.com/support

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