

Epson PowerLite 97H

Epson PowerLite 97H Tri-LCD Projector User Manual

Model: **PowerLite 97H** | Brand: **Epson**

1. INTRODUCTION AND OVERVIEW

The Epson PowerLite 97H is a versatile XGA conference room projector designed for clear and vibrant presentations. Utilizing 3LCD technology, it delivers bright, true-to-life images with excellent color brightness and a wide color gamut. This projector offers a native resolution of 1024x768 (XGA) and a brightness of 2,700 ANSI Lumens, making it suitable for various environments.

Key features include:

- **Brightness:** 2,700 ANSI Lumens
- **Resolution:** 1024x768 (XGA)
- **Aspect Ratio:** 4:3
- **Contrast:** 10,000:1
- **Display Technology:** 3LCD for vibrant colors
- **Connectivity:** Multiple options including HDMI, USB, LAN, VGA, S-Video, Composite, and Audio inputs/outputs.

2. SAFETY INFORMATION

Please read all safety instructions before using the projector to ensure safe operation and to prevent damage to the unit. Keep this manual for future reference.

- **Heat Warning:** The projector lamp and surrounding areas can become extremely hot during operation and immediately after shutdown. Avoid touching these areas.
- **Ventilation:** Ensure adequate ventilation around the projector. Do not block ventilation openings, as this can lead to overheating and potential damage.

- **Lamp Replacement:** Always turn off the projector and allow the lamp to cool completely before attempting to replace it. Refer to the lamp replacement instructions in the Maintenance section.
- **Power Source:** Use only the specified power supply and cable. Do not overload power outlets.
- **Liquid and Moisture:** Do not expose the projector to rain, moisture, or excessive humidity. Do not place objects filled with liquids on or near the projector.
- **Cleaning:** Disconnect the power cord before cleaning. Use a soft, dry cloth. Do not use liquid or aerosol cleaners.

3. PACKAGE CONTENTS

Verify that all items are present in your package:

- Epson PowerLite 97H Projector
- Remote Control
- Power Cable
- HDMI Cable

4. SETUP

4.1 Physical Placement

Place the projector on a stable, flat surface. Ensure there is sufficient space around the projector for proper ventilation. Avoid placing it in direct sunlight or near heat sources. The projector is designed to be portable and can be used for tabletop projection.

4.2 Connecting Devices

The PowerLite 97H offers a wide range of connectivity options. Refer to the image below for port identification.



Figure 1: Rear panel of the Epson PowerLite 97H Projector showing various input and output ports.

- **USB-A:** Connect USB storage devices or a document camera.
- **USB-B:** Connect to a computer for USB display or control.
- **LAN (RJ-45):** Connect to a network for control and monitoring.
- **HDMI 1 & HDMI 2/MHL:** Connect to devices with HDMI output (e.g., laptops, Blu-ray players, gaming consoles). HDMI 2 also supports MHL for compatible mobile devices.

- **Computer1 (VGA) & Computer2 (VGA):** Connect to computers using a VGA cable.
- **Audio1 (Mini Jack) & Audio2 (Mini Jack):** Connect audio from computers or other devices.
- **S-Video:** Connect to devices with S-Video output.
- **Video (RCA):** Connect to devices with composite video output.
- **Audio In (RCA R/L):** Connect stereo audio from devices with RCA audio output.
- **Mic:** Connect a microphone.
- **RS-232C:** For serial control of the projector.
- **Monitor Out (VGA):** Connect an external monitor to display the projector's input signal.
- **Audio Out (Mini Jack):** Connect external speakers or an audio system.

4.3 Power On

1. Connect the power cable to the projector's AC inlet and then to a power outlet.
2. Press the **Power** button on the projector's control panel or the remote control. The power light will illuminate, and the projector will begin its startup sequence.

5. OPERATING

5.1 Basic Controls

The projector can be operated using the control panel on the top of the unit or the included remote control. The top panel provides essential functions.



Figure 2: Top control panel of the Epson PowerLite 97H Projector.

- **Power Button:** Turns the projector on or off.
- **Source Search:** Cycles through available input sources.
- **Menu:** Opens the on-screen display (OSD) menu.
- **H/V (Horizontal/Vertical Keystone):** Adjusts image shape to correct trapezoidal distortion.
- **Esc:** Exits the current menu or function.
- **Enter:** Confirms a selection in the menu.
- **Arrow Buttons:** Navigate through menu options and adjust settings.
- **Volume Buttons:** Adjust the audio output level.
- **Help:** Provides on-screen assistance.
- **Status Light:** Indicates projector status (e.g., power on, standby, error).
- **Lamp Temp Light:** Indicates lamp temperature status.

5.2 Adjusting the Image

To achieve a clear and properly sized image:

- **Focus Ring:** Rotate the focus ring located near the lens to sharpen the image.
- **Zoom Lever:** Use the zoom lever (if present, typically near the lens) to adjust the image size without moving the projector.
- **Keystone Correction:** If the image appears trapezoidal, use the H/V keystone buttons on the control panel or remote to correct the shape.



Figure 3: Front/side view showing the projector lens and ventilation.

5.3 Input Selection

Press the **Source Search** button on the control panel or remote control to cycle through the connected input sources (e.g., HDMI 1, Computer1, USB-A). The projector will automatically detect and display the active input.

6. MAINTENANCE

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

6.1 Lamp Replacement

The projector lamp has a limited lifespan. When the lamp reaches the end of its life, the Lamp Temp indicator may light up, or the image brightness may decrease significantly. Always use genuine Epson replacement lamps.



Figure 4: Side view of the projector, showing a caution label regarding hot surfaces.

WARNING: Turn off the projector and wait until the lamp has cooled down completely before attempting replacement. Failure to do so can result in severe burns or damage to the projector. Refer to the specific lamp replacement instructions provided in the full Epson service manual for your model.

6.2 Air Filter Cleaning/Replacement

The air filter prevents dust from entering the projector and affecting performance. Clean the air filter regularly (e.g., every 100 hours of use) or when prompted by the projector. If the filter is damaged or excessively dirty, replace it.

1. Turn off the projector and disconnect the power cable.
2. Locate the air filter cover (refer to your full service manual for exact location).
3. Remove the cover and carefully extract the filter.
4. Use a small vacuum cleaner or soft brush to remove dust from the filter. If replacing, insert a new filter.
5. Reattach the filter cover securely.

6.3 General Care

- **Lens Cleaning:** Gently wipe the lens with a soft, non-abrasive lens cleaning cloth. Do not use harsh chemicals.
- **Exterior Cleaning:** Wipe the projector's exterior with a soft, dry cloth. For stubborn dirt, use a slightly damp cloth and mild detergent, then wipe dry.
- **Storage:** When not in use for extended periods, store the projector in a cool, dry place, ideally in its original packaging or a protective case.

7. TROUBLESHOOTING

If you encounter issues with your projector, try the following solutions:

- **No Image:**

- Ensure the projector is powered on and the power indicator is solid.
- Check all cable connections (HDMI, VGA, etc.) are secure at both the projector and the source device.
- Press the **Source Search** button to cycle through inputs.
- Verify the source device is powered on and outputting a signal.
- Adjust the focus and zoom.

- **No Sound:**

- Increase the projector's volume using the volume buttons.
- Check audio cable connections (if using separate audio cables).
- Ensure the audio output on your source device is enabled and turned up.

- **Remote Control Not Working:**

- Ensure there are no obstructions between the remote and the projector's remote sensor.
- Replace the batteries in the remote control.

- **Overheating Warning:**

- Ensure all ventilation openings are clear and not blocked.
- Clean the air filter as described in the Maintenance section.
- Operate the projector in a well-ventilated area.

8. SPECIFICATIONS

Feature	Specification
Manufacturer	Epson
Model	PowerLite 97H
Display Type	3LCD
Native Resolution	1024 x 768 (XGA)
Brightness	2700 ANSI Lumens
Contrast Ratio	10000:1
Aspect Ratio	4:3
Connectivity Technology	HDMI, USB, LAN, VGA, S-Video, Composite
Audio Inputs	Mini Jack x 2, RCA (L/R), Mic
Audio Output	Mini Jack
Control Port	RS-232C
Recommended Uses	Business
Special Feature	Portable

Item Weight

6 Pounds

9. WARRANTY INFORMATION

For specific warranty details regarding your Epson PowerLite 97H projector, please refer to the warranty card included with your product or contact the seller/manufacturer directly. Warranty terms typically cover manufacturing defects for a specified period from the date of purchase.

10. SUPPORT

For technical support, service, or additional assistance with your Epson PowerLite 97H projector, please use the contact information below:



Figure 5: Bottom panel of the projector showing support contact details.

Epson Extra Care Road Service

- For support and service, call:
- U.S.A.: 1-800-637-7661
- U.S.A.: 1-866-276-4394
- Canada: 1-905-709-3839

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