

Epson 8G7290

Epson PowerLite 2250U Full HD WUXGA 3LCD Projector User Manual

Model: 8G7290

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1. INTRODUCTION

This manual provides detailed instructions for the safe and efficient operation of your Epson PowerLite 2250U Full HD WUXGA 3LCD Projector. The PowerLite 2250U is designed to deliver bright, widescreen images with WUXGA resolution (1920 x 1200) and Full HD 1080p support, making it suitable for various professional and educational environments. It features 3LCD, 3-chip technology for accurate color reproduction and a high contrast ratio for clear text and graphics.

2. SAFETY INFORMATION

Please read all safety instructions carefully before using the projector. Failure to follow these instructions may result in fire, electric shock, or other injuries.

- **Power Source:** Use only the power source specified on the projector's label. Ensure the power cord is securely plugged into a grounded outlet.
- **Ventilation:** Do not block ventilation openings. Ensure adequate space around the projector for proper airflow to prevent overheating.
- **Liquid and Moisture:** Do not expose the projector to rain, moisture, or excessive humidity. Do not place objects filled with liquids, such as vases, on the projector.
- **Cleaning:** Unplug the projector from the power outlet before cleaning. Use a soft, dry cloth. Do not use liquid or aerosol cleaners.
- **Lamp Safety:** The lamp inside the projector operates at high temperatures and pressures. Allow the projector to cool down completely before moving it or replacing the lamp. Do not look directly into the projector lens when the lamp is on.

- **Servicing:** Do not attempt to service this product yourself. Refer all servicing to qualified service personnel.
- **Proposition 65 Warning:** This product may contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

3. WHAT'S IN THE BOX

Verify that all the following items are included in your package:

- PowerLite 2250U Projector
- Remote control
- Batteries (for remote control)
- Power cable
- Computer cable (VGA)
- CD with User Guide Link
- Warranty card
- Quick Setup Sheet

4. PRODUCT OVERVIEW

Familiarize yourself with the various parts of your Epson PowerLite 2250U projector.

Front View



This image displays the front of the projector, highlighting the main projection lens and the front ventilation grilles. The lens is where the image is projected from, and the vents are crucial for heat dissipation.

Top View (Control Panel)



This image shows the top surface of the projector, featuring the integrated control panel. This panel includes buttons for power, menu navigation, source selection, and keystone correction,

along with status indicator lights.

Rear View (Connectivity Ports)



This image illustrates the rear panel of the projector, where all the connectivity ports are located. These include multiple HDMI inputs, VGA ports, USB ports, audio inputs/outputs, and an RJ-45 network port for versatile connection options.

Side View



This image presents a side view of the projector, highlighting additional ventilation grilles. These vents are essential for maintaining optimal operating temperature and preventing internal components from overheating.

5. SETUP

5.1. Placement

Place the projector on a stable, flat surface or mount it securely to a ceiling. Ensure there is sufficient space around the projector for proper ventilation. The projector can project images up to 300 inches diagonally.

5.2. Connecting Devices

The PowerLite 2250U offers a full array of connectivity options. Refer to the rear view image in the Product Overview section for port locations.

1. **HDMI/MHL:** Connect your HDMI-compatible devices (e.g., laptop, Blu-ray player) to the HDMI 1 or HDMI 2/MHL port using an HDMI cable. The MHL port supports mobile devices.
2. **VGA (Computer):** Use the supplied VGA cable to connect your computer to the Computer 1 or Computer 2 port.
3. **USB:** Connect USB devices to the USB-A or USB-B ports for various functions, including displaying content from a USB drive or connecting to a computer for control.
4. **RJ-45 (Network):** Connect an Ethernet cable to the RJ-45 port for network control and management.
5. **Audio:** Connect external audio sources to the Audio In ports (RCA or 3.5mm) if needed. Audio Out ports are available for connecting to external speakers.

5.3. Power Connection

After connecting your input devices, plug the power cable into the projector's power inlet and then into a grounded

electrical outlet.

6. OPERATING INSTRUCTIONS

6.1. Powering On/Off

- **To Power On:** Press the power button on the projector's control panel or the remote control. The power indicator 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 shutdown. The projector will enter a cooling cycle before fully powering off.

6.2. Image Adjustment

- **Focus:** Rotate the focus ring on the lens to sharpen the image.
- **Zoom:** Adjust the zoom ring on the lens to change the image size.
- **Keystone Correction:** Use the keystone buttons on the control panel or remote control to correct trapezoidal distortion if the projector is not perfectly perpendicular to the screen.

6.3. Source Selection

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

6.4. Advanced Features

- **Wireless Networking:** An optional wireless module is required for wireless connectivity. Once installed, configure network settings via the projector's menu. It supports enterprise-level security protocols including WEP, WPA, WPA2-PSK, and WPA2-EAP.
- **Split Screen:** The Split Screen feature allows simultaneous projection of two images (video or still) side-by-side from two different sources. Access this feature through the projector's menu.
- **Remote Management:** Utilize the included software for remote monitoring and control of Epson networked projectors. The projector is also compatible with Crestron RoomView for integrated control systems.

7. MAINTENANCE

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

- **Cleaning the Lens:** Gently wipe the projector lens with a soft, non-abrasive, lint-free cloth designed for optical surfaces. Do not use liquid cleaners directly on the lens.
- **Cleaning the Air Filter/Vents:** Periodically clean the air filter and clear any dust from the ventilation openings to prevent overheating. Refer to the full user guide for specific filter cleaning or replacement instructions.
- **Lamp Replacement:** The projector lamp has a lifespan of up to 10,000 hours in ECO Mode. When the lamp reaches the end of its life, a warning indicator will appear. Replace the lamp with an authentic Epson replacement lamp. Always allow the projector to cool down completely before attempting lamp replacement.

8. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
No image projected	Incorrect input source selected, loose cable connection, projector in standby mode.	Ensure the correct input source is selected. Check all cable connections (HDMI, VGA, power). Press the power button to wake from standby.
Image is blurry or out of focus	Lens focus not adjusted, projector too close/far from screen.	Adjust the focus ring on the lens. Reposition the projector if necessary.
Image is distorted (trapezoid shape)	Projector is not perpendicular to the screen.	Use the keystone correction buttons on the projector or remote control to adjust the image shape.
Projector overheats and shuts down	Blocked ventilation, dirty air filter, high ambient temperature.	Ensure vents are clear and not blocked. Clean or replace the air filter. Operate in a well-ventilated area.
Remote control not working	Dead batteries, obstruction between remote and projector, incorrect remote mode.	Replace batteries. Ensure no obstructions. Point remote directly at the projector's IR receiver.

For more detailed troubleshooting, please refer to the comprehensive User Guide available on the included CD or via the link in the Warranty & Support section.

9. SPECIFICATIONS

Feature	Detail
Model Number	8G7290
Display Technology	3LCD, 3-chip technology
Native Resolution	WUXGA (1920 x 1200)
Full HD Support	1080p
Color Brightness	5,000 lumens
White Brightness	5,000 lumens
Contrast Ratio	15,000:1
Maximum Projected Image Size	300 inches (diagonal)
Lamp Life	Up to 10,000 hours (ECO Mode)
Connectivity	2x HDMI (one MHL-enabled), VGA (Computer 1 & 2), USB-A, USB-B, RJ-45, Audio In/Out
Product Dimensions (W x D x H)	14.85 x 11.48 x 4.93 inches
Item Weight	10.2 pounds

10. WARRANTY & SUPPORT

10.1. Warranty Information

Your Epson PowerLite 2250U projector comes with a manufacturer's warranty. Please refer to the warranty card included in your product package for specific terms, conditions, and duration of coverage. Keep your proof of purchase for warranty claims.

10.2. Customer Support

For technical assistance, troubleshooting beyond this manual, or warranty service, please contact Epson customer support. You can find contact information on the official Epson website or refer to the full User Guide.

Official User Guide (PDF): [Download PDF User Guide](#)

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