Sony VPL-PHZ51

Sony VPL-PHZ51 WUXGA Laser Projector Instruction Manual

Model: VPL-PHZ51

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1. Product Overview

The Sony VPL-PHZ51 is a high-performance 3LCD laser projector designed for professional and home cinema environments. It supports 4K 60P input signals, converting them to a crisp WUXGA (1920 x 1200) resolution. Featuring a powerful 5800 lumen brightness, it delivers clear and vibrant images. Key features include auto power on, manual focus, a built-in 16W speaker, and a 1.6x manual zoom for flexible installation.



Figure 1: Front and side view of the Sony VPL-PHZ51 WUXGA Laser Projector.

This projector utilizes a durable laser light source, offering an extended operational life and consistent performance. Its advanced imaging technology ensures high contrast and accurate color reproduction, making it suitable for a wide range of

applications from presentations to immersive entertainment.

2. Package Contents

Please check that all items listed below are included in your package:

- Sony VPL-PHZ51 Projector Unit
- Power Cord
- Remote Control
- Quick Start Guide
- Safety Regulations Document

3. Setup Guide

Follow these steps to set up your Sony VPL-PHZ51 projector:

1. **Placement:** Position the projector on a stable, flat surface or mount it securely to a ceiling. Ensure adequate ventilation around the unit. The projector supports tabletop mount.
2. **Power Connection:** Connect the power cord to the projector's power inlet and then to a suitable electrical outlet.
3. **Input Connection:** Connect your video source (e.g., gaming console, laptop, smartphone) to the projector using an HDMI or USB cable. The rear panel provides multiple connectivity options.
4. **Power On:** Press the power button on the projector or remote control to turn on the unit. The projector features an auto power on function.
5. **Focus and Zoom Adjustment:** Use the manual focus and 1.6x manual zoom controls on the projector to achieve a clear and appropriately sized image on your screen.
6. **Image Adjustment:** If necessary, adjust the projector's position or use the built-in image correction features to square the image on the screen.



Figure 2: Rear panel of the Sony VPL-PHZ51, showing HDMI and USB connectivity options.

For optimal performance, ensure your viewing environment is suitable for projection, considering ambient light and screen type.

4. Operating Instructions

This section covers the basic operation of your VPL-PHZ51 projector:

- **Power On/Off:** Press the **Power** button on the remote or the projector's control panel. The projector supports auto power on.
- **Input Selection:** Use the **Input** button on the remote or control panel to cycle through available input sources (HDMI, USB).
- **Focus:** Adjust the manual focus ring on the lens until the image appears sharp and clear.
- **Zoom:** Use the manual zoom lever near the lens to adjust the image size to fit your screen. The projector offers a 1.6x manual zoom.
- **Audio:** The projector includes a built-in 16W speaker. Adjust volume using the remote control. External audio systems can also be connected.
- **Picture Settings:** Access the projector's menu system to fine-tune picture settings such as brightness, contrast, color, and aspect ratio.



Figure 3: The Sony VPL-PHZ51 projector in operation, displaying a bright image.

For detailed menu navigation and advanced settings, refer to the comprehensive user manual available on the Sony support website.

5. Maintenance

Proper maintenance ensures the longevity and optimal performance of your Sony VPL-PHZ51 projector:

- **Cleaning the Lens:** Gently wipe the projector lens with a soft, lint-free cloth specifically designed for optical surfaces. Avoid using abrasive cleaners.
- **Cleaning the Exterior:** Use a soft, dry cloth to clean the projector's exterior. For stubborn dirt, lightly dampen the cloth with water and then wipe dry.
- **Ventilation:** Ensure that the projector's ventilation openings are not blocked. Regularly check and clean the air filters (if applicable) to prevent overheating.
- **Laser Light Source:** The laser light source has an operating life of up to 20,000 hours, requiring no lamp replacements under normal usage conditions.
- **Storage:** When not in use for extended periods, store the projector in a cool, dry place, protected from dust and extreme temperatures.



Figure 4: Side view of the Sony VPL-PHZ51, highlighting the ventilation grilles for proper airflow.

6. Troubleshooting

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

- **No Image:**
  - Ensure the projector is powered on and the power cord is securely connected.
  - Verify that the input source is correctly selected and the video cable is properly connected.
  - Check if the lens cap is removed.
- **Blurry Image:**
  - Adjust the manual focus ring on the lens.
  - Ensure the projection surface is flat and the projector is stable.
- **Image Not Filling Screen:**
  - Adjust the manual zoom lever.
  - Reposition the projector closer or further from the screen.
- **No Audio:**
  - Increase the volume on the projector or your audio source.
  - Check audio cable connections if using external speakers.

If the problem persists, consult the full user manual or contact Sony customer support.

7. Technical Specifications

Brand	Sony
Model Name	VPL-PHZ51
Display Type	3LCD
Native Resolution	1920 x 1200 (WUXGA)

Brightness	5800 Lumens
Contrast Ratio	100000:1
Light Source	Laser
Light Source Operating Life	20,000 Hours
Zoom	1.6x Manual Zoom
Speaker	16W (Built-in)
Connectivity	HDMI, USB
Maximum Image Size	300 Inches
Item Weight	20.4 Pounds

8. Warranty and Support

For warranty information and technical support, please refer to the documentation included with your product or visit the official Sony support website. Sony provides comprehensive support for its products to ensure customer satisfaction.

9. Product Media

Product Video: Sony VPL-PHZ51 Overview

Your browser does not support the video tag.

This short video provides a 360-degree view of the Sony VPL-PHZ51 projector, showcasing its design and various angles. It highlights the compact form factor and the placement of the lens and ventilation.

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Example: How do I reset this device or fix this error?

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