NEC P502HL-2

NEC P502HL-2 DLP Projector User Manual

Model: P502HL-2 (Item Model Number: 2773696)

1. INTRODUCTION

This manual provides essential information for the safe and efficient use of your NEC P502HL-2 DLP Projector. Please read this manual thoroughly before operating the projector and retain it for future reference. The NEC P502HL-2 is a 5000-lumen Full HD laser DLP projector designed for various environments, offering high brightness and a 15,000:1 dynamic contrast ratio.

Figure 1: Front-left view of the NEC P502HL-2 DLP Projector. This image shows the projector's lens, ventilation grilles, and the NEC logo on the top surface.

2. SAFETY INFORMATION

Observe the following safety precautions to prevent fire, electric shock, or injury:

- Do not block ventilation openings. Ensure adequate space around the projector for proper airflow.

- Do not look directly into the lens when the projector is operating, as the laser light source can cause eye damage.
- Do not place the projector on an unstable cart, stand, or table.
- Refer all servicing to qualified service personnel.
- Use only attachments/accessories specified by the manufacturer.

Figure 2: Rear view of the NEC P502HL-2 DLP Projector, highlighting various input/output ports and important safety warning labels regarding laser radiation.

3. SETUP AND INSTALLATION

This section guides you through the initial setup of your projector.

3.1 Package Contents

Verify that all items are present:

- NEC P502HL-2 Projector
- Remote Control
- RGB Cable
- Power Cord
- User Manual (this document)

3.2 Projector Placement

The projector can be placed on a table, mounted on the ceiling, or used for front projection. Consider the throw ratio (1.24 to 2.1:1) and up to 1.7x zoom for optimal image size and distance.

Figure 3: The NEC P502HL-2 DLP Projector with its physical dimensions indicated: 469 mm (length), 365 mm (width), and 137 mm (height).

3.3 Connecting Devices

Connect your source devices to the appropriate input ports on the rear of the projector.

- **HDMI:** Use HDMI 1 or HDMI 2 for digital video and audio sources.
- **HDBaseT:** For long-distance transmission of uncompressed HD video, audio, and control signals over a single LAN cable.
- **VGA (Computer IN):** Connect a computer using the supplied RGB cable.
- **Composite Video (Video IN):** Connect older video devices using an RCA cable.
- **Audio IN:** Separate 1/8" audio inputs are available for VGA and Composite Video sources.
- **USB:** For service or firmware updates.
- **LAN (Ethernet):** For network control and monitoring.

4. OPERATING THE PROJECTOR

4.1 Power On/Off

- **Power On:** Press the **POWER** button on the control panel or remote control. The power indicator will illuminate.
- **Power Off:** Press the **POWER** button again. A confirmation message may appear. Press it a second time to confirm shutdown.

Figure 4: Close-up view of the control panel on the NEC P502HL-2 DLP Projector, showing buttons for power, source selection, menu navigation, and ECO mode.

4.2 Input Source Selection

Press the **SOURCE** button on the control panel or remote control to cycle through available input sources (HDMI 1, HDMI 2, HDBaseT, Computer IN, Video IN).

4.3 Image Adjustment

- **Focus:** Rotate the focus ring on the lens until the image is sharp.
- **Zoom:** Adjust the zoom ring on the lens to change the image size.
- **Keystone Correction:** Use the menu options to correct trapezoidal distortion if the projector is not perfectly perpendicular to the screen.

4.4 3D Ready Feature

The projector supports 3D content. To view 3D content, compatible 3D glasses and a 3D-enabled source device are required. Refer to the on-screen menu for 3D settings and synchronization options.

5. MAINTENANCE

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

- **Cleaning the Lens:** Gently wipe the lens with a soft, lint-free cloth specifically designed for optical surfaces. Do not use abrasive cleaners.
- **Cleaning the Cabinet:** Use a soft, dry cloth to clean the projector's exterior. For stubborn dirt, dampen the cloth with a mild detergent solution and wipe dry.
- **Ventilation:** Periodically check and clean the ventilation grilles to prevent dust buildup, which can impede airflow and cause overheating.
- **Laser Light Source:** The NEC P502HL-2 uses a laser light source, which offers a significantly longer lifespan compared to traditional lamps and requires no replacement.

6. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
No image displayed	Power cable disconnected Incorrect input source selected Source device not powered on or connected	Check power connection Select the correct input source Ensure source device is on and connected
Image is blurry	Lens out of focus Projector not perpendicular to screen	Adjust the focus ring Use keystone correction or reposition projector
No sound	Volume muted or too low Audio cable not connected (for analog sources) Source device audio settings	Increase volume Check audio cable connections Verify audio output settings on source device

7. SPECIFICATIONS

Key technical specifications for the NEC P502HL-2 DLP Projector:
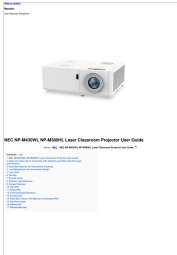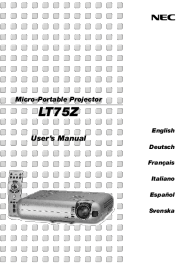
Feature	Detail
Brand	NEC
Model Number	P502HL-2 (Item Model Number: 2773696)
Display Technology	DLP
Light Source	Laser
Brightness	5000 Lumens
Contrast Ratio	15,000:1 (Dynamic)
Native Resolution	1920 x 1080 (Full HD)
Aspect Ratio	16:9
Throw Ratio	1.24 to 2.1:1
Zoom	Up to 1.7x
Connectivity	HDBaseT, 2x HDMI, VGA (Computer IN), Composite Video (RCA), Audio IN (1/8"), USB, LAN (Ethernet)
Audio Output	15-pin VGA video, 1/8" audio
Built-in Speaker	20W
Special Features	3D-Ready
Product Dimensions	18.46 x 14.37 x 5.39 inches (approx. 469 x 365 x 137 mm)

Feature	Detail
Item Weight	19.4 pounds

8. WARRANTY AND SUPPORT

For information regarding warranty coverage, technical support, and service, please refer to the official NEC Display Solutions website or contact your local NEC authorized dealer. Keep your purchase receipt as proof of purchase.

Official NEC Display Solutions Website: www.necdisplay.com

Related Documents - P502HL-2

NEC NP-M430WL NP-M380HL Laser Classroom Projector User Guide

Comprehensive user guide for the NEC NP-M430WL and NP-M380HL Laser Classroom Projectors, detailing features, specifications, installation, and maintenance for educational environments.

NEC PX1005QL Installation Guide: Desktop and Ceiling Mount

Comprehensive installation guide for the NEC PX1005QL projector, covering desktop and ceiling mounting, lens specifications, throw distance calculations, ventilation, and control codes.

NEC LT75Z Micro-Portable Projector User's Manual

Comprehensive user's manual for the NEC LT75Z Micro-Portable Projector, detailing setup, operation, maintenance, troubleshooting, and specifications. Learn about its features, connectivity, and warranty information.

NEC L50W Projector User Manual - Setup, Operation, and Safety

Comprehensive user manual for the NEC L50W projector. Covers features, installation, safe operation, multimedia use, and troubleshooting. Learn about its LED technology, WXGA display, and energy-saving modes.

NEC Projector **L50W** Manual do utilizador Modelo nº NP-L50W	[Manual do Utilizador NEC L50W: Instalação, Operação e Segurança do Projetor](#) Guia completo para o projetor NEC L50W. Aprenda sobre instalação, operação, características, segurança e solução de problemas para maximizar o desempenho do seu projetor NEC.
NEC Portable Projector **NP64/NP63/NP54/NP43** User's Manual	[NEC NP64/NP63/NP54/NP43 Portable Projector User's Manual](#) User's manual for NEC NP64, NP63, NP54, and NP43 series portable projectors. Provides comprehensive guidance on safety, installation, operation, features, maintenance, and troubleshooting.