

## NEC NP-PA500U

# NEC NP-PA500U LCD Projector Instruction Manual

Model: NP-PA500U

## 1. INTRODUCTION

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This manual provides essential instructions for the safe and efficient operation of your NEC NP-PA500U LCD Projector. Please read this manual thoroughly before using the projector and retain it for future reference. The NEC NP-PA500U is a 3D Ready LCD projector offering 5000 ANSI lumens brightness and WUXGA (1920 x 1200) resolution, designed for high-definition widescreen projection.

## 2. SAFETY INFORMATION

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

- Do not block ventilation openings. Ensure adequate airflow around the projector.
- Do not look directly into the projector lens when the lamp is on. The intense light can cause eye damage.
- Avoid placing the projector in direct sunlight, near heat sources, or in environments with high humidity or excessive dust.
- Use only the power cord supplied with the projector or an approved replacement.
- Refer all servicing to qualified service personnel. Do not attempt to open or repair the projector yourself.

## 3. PACKAGE CONTENTS

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Verify that all items are present in the package:

- NEC NP-PA500U LCD Projector (main unit)
- Remote Control
- HDMI Cable
- USB Cable
- Ethernet Cable
- VGA Cable
- DisplayPort Cable
- Carrying Case
- Power Cord

- User Manual (this document)

## 4. PRODUCT OVERVIEW

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Familiarize yourself with the main components of the NEC NP-PA500U projector.



*Figure 1: Front view of the NEC NP-PA500U LCD Projector. This image shows the projector's white casing, the central lens assembly, and various control dials and vents on the front panel.*

### Key Features:

- **Display Technology:** 0.76" LCD with MLA
- **Contrast Ratio:** Up to 2000:1
- **Lamp Type:** 330W AC / 264W eco
- **Lamp Life:** Up to 3000 hours (normal mode) / 4000 hours (eco mode)
- **Supported Video Standards:** NTSC, NTSC4.43, PAL, PAL-60, PAL-M, PAL-N, SECAM
- **Connectivity:** HDMI, USB, Ethernet, VGA, DisplayPort
- **Special Feature:** 3D-Ready capability

## 5. SETUP

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### 5.1 Physical Placement

Position the projector on a stable, level surface or mount it securely to a ceiling. Ensure there is sufficient space around the projector for ventilation. The distance from the screen will determine the image size. Adjust the projector's feet to level the image if necessary.

### 5.2 Connecting Devices

Connect your video source (e.g., computer, Blu-ray player) to the projector using the appropriate cable. The NP-PA500U supports various input types:

- **HDMI:** For high-definition digital video and audio.
- **VGA:** For analog computer signals.
- **DisplayPort:** For high-resolution digital video.
- **USB:** For connecting USB devices or for direct presentation from a USB drive.

- **Ethernet:** For network control and monitoring.

After connecting the video source, connect the power cord to the projector and then to a grounded electrical outlet.

## 6. OPERATING INSTRUCTIONS

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### 6.1 Power On/Off

1. **To Power On:** Press the **POWER** button on the projector's control panel or the remote control. The power indicator light will illuminate.
2. **To Power Off:** Press the **POWER** button twice. The projector will enter a cooling cycle before shutting down completely. Do not unplug the projector during the cooling cycle.

### 6.2 Basic Operation

- **Input Selection:** Use the **INPUT** button on the remote or control panel to cycle through available input sources (HDMI, VGA, DisplayPort, USB).
- **Menu Navigation:** Press the **MENU** button to access the on-screen display (OSD) menu. Use the arrow buttons to navigate and the **ENTER** button to select options.
- **Focus and Zoom:** Adjust the focus and zoom rings on the projector lens to achieve a clear and appropriately sized image.
- **Keystone Correction:** If the image appears trapezoidal, use the keystone correction function in the OSD menu to square the image.

### 6.3 Image Adjustment

Access the OSD menu to fine-tune image settings:

- **Brightness/Contrast:** Adjust these settings to optimize image visibility for your viewing environment.
- **Color/Tint:** Fine-tune color reproduction.
- **Aspect Ratio:** Select the appropriate aspect ratio (e.g., 16:10 for WUXGA, 16:9 for 1080p) to match your content.
- **Picture Mode:** Choose from preset picture modes (e.g., Standard, Cinema, Dynamic) or customize your own.

## 7. MAINTENANCE

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

### 7.1 Lamp Replacement

The projector lamp has a finite lifespan. When the lamp life indicator appears or the image brightness significantly decreases, replace the lamp. Refer to the detailed instructions in the full service manual for safe lamp replacement procedures. Always allow the projector to cool down completely before attempting lamp replacement.

### 7.2 Filter Cleaning

Dust accumulation on the air filter can impede airflow and cause overheating. Clean the air filter regularly (e.g., every 100-200 hours of operation) using a soft brush or vacuum cleaner. Replace the filter if it is damaged or excessively dirty.

### 7.3 General Care

- Clean the projector casing with a soft, dry cloth. Do not use abrasive cleaners or solvents.

- Gently clean the projector lens with a lens cleaning cloth and lens cleaning solution designed for optical surfaces.
- When not in use for extended periods, store the projector in a cool, dry place, preferably in its carrying case.

## 8. TROUBLESHOOTING

This section addresses common issues you might encounter. For more complex problems, contact customer support.

Problem	Possible Cause	Solution
No image displayed	<ul style="list-style-type: none"> <li>• Power cord disconnected</li> <li>• Input source not selected</li> <li>• Video cable loose or faulty</li> </ul>	<ul style="list-style-type: none"> <li>• Check power connection</li> <li>• Select correct input source</li> <li>• Secure or replace video cable</li> </ul>
Image is blurry	<ul style="list-style-type: none"> <li>• Lens out of focus</li> <li>• Projector too close/far from screen</li> </ul>	<ul style="list-style-type: none"> <li>• Adjust focus ring</li> <li>• Reposition projector</li> </ul>
Projector overheats and shuts down	<ul style="list-style-type: none"> <li>• Blocked ventilation</li> <li>• Dirty air filter</li> </ul>	<ul style="list-style-type: none"> <li>• Ensure clear airflow</li> <li>• Clean or replace air filter</li> </ul>

## 9. SPECIFICATIONS


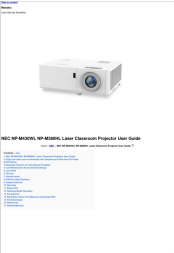


Model Number	NP-PA500U
Brand	NEC
Display Technology	0.76" LCD w/ MLA
Brightness	5000 ANSI lumens
Native Resolution	WUXGA (1920 x 1200)
Contrast Ratio	2000:1
Lamp Type	330W AC / 264W eco
Lamp Life	3000 hours (normal) / 4000 hours (eco)
Connectivity Technology	HDMI, USB, Ethernet, VGA, DisplayPort
Special Feature	3D-Ready
Product Dimensions	19.65 x 14.41 x 6.46 inches
Item Weight	17.2 pounds

## 10. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the warranty card included with your product or visit the official NEC website. Keep your purchase receipt as proof of purchase for warranty claims.

**Online Support:** [www.nec.com/en/global/support/index.html](http://www.nec.com/en/global/support/index.html)

## Related Documents - NP-PA500U

	<p><a href="#">NEC Multi Screen Tool</a> - _____</p> <p>NEC Multi Screen Tool                      NEC                      NP-PA600</p>
	<p><a href="#">NEC NP-M430WL NP-M380HL Laser Classroom Projector User Guide</a></p> <p>Comprehensive user guide for the NEC NP-M430WL and NP-M380HL Laser Classroom Projectors, detailing features, specifications, installation, and maintenance for educational environments.</p>
	<p><a href="#">NEC P627UL/P547UL Projector User's Manual</a></p> <p>Comprehensive user manual for the NEC P627UL and P547UL projectors, detailing setup, operation, features, network connectivity, maintenance, and troubleshooting for optimal performance.</p>
	<p><a href="#">NEC NP-02HD DLP Cinema Projector User's Manual</a></p> <p>This user's manual provides essential safety precautions, installation guidelines, and operational instructions for the NEC NP-02HD DLP Cinema Projector Head and its compatible light modules (NP-24LU01, NP-20LU01, NP-18LU01). Learn about safe handling, setup, and maintenance to ensure optimal performance and longevity of your NEC projector.</p>

<div><div>NEC フロジエクター</div><div>ViewLight®</div><div>NP-P501XJL-N3/NP-P451XJL-N3/NP-P457WJL-N3/ NP-P401WJL-N3/NP-P501XJL-N3</div><div>取扱説明書 (PDF形式)</div><div><div>1. 動作環境を確認する</div><div>2. 電源ケーブルを接続する</div><div>3. 映像ケーブルを接続する</div><div>4. 電源スイッチをオンにする</div><div>5. 設定メニューを表示する</div><div>6. 設定メニューを操作する</div><div>7. 画面の表示を確認する</div><div>8. ユーザーガイドを参照する</div><div>9. 付属品を確認する</div></div></div>	<div><a href="#">NEC ViewLight (NP-P501XJL-N3 )</a></div> <div>NEC ViewLight      NP-P501XJL-N3</div>
<div><div>NEC</div><div>液晶投影机</div><div>型 号</div><div>NP-PV800UL-W+/NP-PV800UL-B+</div><div>NP-PV710UL-W+/NP-PV710UL-B+</div><div>取扱説明書</div></div>	<div><a href="#">NEC NP-PV800UL/NP-PV710UL</a></div> <div>NEC NP-PV800UL-W+/B+    NP-PV710UL-W+/B+ LCD</div>