

## NEC NP-PA653UL

# NEC PA Series NP-PA653UL Professional Installation Laser Projector

Model: NP-PA653UL | Brand: NEC

## 1. PRODUCT OVERVIEW

The NEC NP-PA653UL is a high-performance 6500-lumen WUXGA LCD laser projector designed for professional installation environments, such as higher education and corporate settings. It features a sealed optical engine, eliminating the need for filters and reducing maintenance requirements. This projector offers extensive connectivity options and installation flexibility.



Figure 1: Front view of the NEC NP-PA653UL projector, showing the lens and ventilation.



Figure 2: Rear view of the NEC NP-PA653UL projector, highlighting the various input and output ports.

## 2. WHAT'S IN THE BOX

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Verify that all items are present in the packaging:

- Remote Control
- Carrying Bag
- NEC NP-PA653UL Projector Unit
- Power Cable

## 3. SETUP

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### 3.1 Installation

The NP-PA653UL offers flexible installation options, including tilt-free and portrait installation capabilities. It supports a complete line of optional powered lenses for lens shift, focus, and zoom adjustments. Built-in edge blending and stacking features are also available for advanced setups.

1. **Placement:** Position the projector on a stable surface or mount it securely using appropriate hardware. Ensure adequate ventilation around the unit.
2. **Lens Attachment (if applicable):** If using an optional lens, carefully attach it according to the lens-specific instructions.
3. **Power Connection:** Connect the power cable to the projector and then to a suitable power outlet.

### 3.2 Connectivity

The projector features a multitude of digital inputs for connecting to various devices:

- **HDMI:** Connect high-definition video and audio sources using the HDMI ports.
- **HDBaseT:** Utilize the HDBaseT input for single-cable connections carrying uncompressed full HD digital video, audio, Ethernet, power, and control signals. A separate HDBaseT repeater is also available.
- **USB:** Connect USB devices for media playback or control.

- **Ethernet (LAN):** For network control and monitoring.
- **VGA (Computer In/Out):** For traditional computer connections.
- **Audio In/Out:** For external audio connections.

## 4. OPERATING INSTRUCTIONS

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1. **Power On/Off:** Press the power button on the projector or remote control to turn the unit on or off.
2. **Input Selection:** Use the 'Source Search' button on the projector or remote to cycle through available input sources (HDMI, HDBaseT, Computer, etc.).
3. **Image Adjustment:** Adjust focus and zoom using the controls on the projector or remote. Utilize the automatic picture skew correction for quick image alignment.
4. **Menu Navigation:** Access the on-screen display (OSD) menu using the 'Menu' button to configure advanced settings such as display modes, network settings, and system information.

The projector delivers WUXGA (1920 x 1200) resolution with 6500 lumens of brightness, ensuring clear and vibrant images suitable for various lighting conditions.

## 5. MAINTENANCE

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The NP-PA653UL features a newly developed sealed optical engine, which makes it a filter-free and low-maintenance projector. The laser light source provides approximately 20,000 hours of operation without requiring bulb replacements, significantly reducing ongoing maintenance.

- **Cleaning:** Periodically clean the exterior of the projector with a soft, dry cloth. Ensure the lens is free of dust and smudges.
- **Ventilation:** Ensure that the projector's ventilation openings are not blocked to prevent overheating.
- **Firmware Updates:** Check the manufacturer's website for any available firmware updates to ensure optimal performance and access to new features.

## 6. TROUBLESHOOTING

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If you encounter issues with your projector, refer to the following basic troubleshooting steps:

- **No Image:** Check all cable connections (power, video source). Ensure the correct input source is selected. Verify the projector is powered on.
- **Poor Image Quality:** Adjust focus and zoom. Check the resolution settings of your source device. Ensure the lens is clean.
- **No Audio:** Verify audio cables are connected correctly. Check the volume settings on both the projector and the source device.
- **Overheating Warning:** Ensure adequate ventilation around the projector. Clear any obstructions from the air vents.

For more detailed troubleshooting, consult the full user manual available on the NEC support website.

## 7. SPECIFICATIONS

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Feature	Detail
Brand	NEC

Model Number	NP PA653UL
Item Weight	22.5 pounds
Product Dimensions	22.49 x 19.8 x 6.6 inches
Color Name	6500K
Special Features	Portable
Recommended Uses	Business, Education, Home Cinema
Connectivity Technology	HDMI, USB
Display Resolution	1920 x 1200 (WUXGA)
Lumen Output	6500 Lumens
Light Source Life	Approximately 20,000 hours (Laser)

## 8. WARRANTY AND SUPPORT

The NEC NP-PA653UL projector typically comes with a 1-year limited warranty. For specific warranty details, service, and technical support, please refer to the documentation included with your product or visit the official NEC support website.

No official product videos from the seller were available for embedding in this manual.