NEC NP-UM330X

NEC NP-UM330X Projector User Manual

Model: NP-UM330X

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1. INTRODUCTION

The NEC NP-UM330X is an ultra short throw projector designed for educational and corporate environments. It features 3300 lumens brightness and a short throw distance, minimizing shadows and glare. This manual provides essential information for the safe and efficient use of your projector.
Key features include a powerful 16W speaker, closed captioning, and RJ-45 for network management. Connectivity options include dual HDMI, VGA, and a microphone input.

2. SAFETY INFORMATION

Please read all safety instructions before operating the projector to prevent injury or damage to the unit.

- **Do not** look directly into the projector lens when the lamp is on. The intense light can cause eye damage.
- **Do not** block the ventilation openings. Overheating can cause malfunction or fire.
- **Do not** place the projector on an unstable cart, stand, or table. It may fall, causing serious injury to a child or adult, and serious damage to the appliance.
- **Do not** expose the projector to rain or moisture to reduce the risk of fire or electric shock.
- Refer all servicing to qualified service personnel.

3. PACKAGE CONTENTS

Verify that all items listed below are included in your package. If any items are missing or damaged, contact your dealer immediately.

- NEC NP-UM330X Projector
- Power Cord

- Remote Control with Batteries
- VGA Cable
- CD-ROM (User Manual, Software)
- Quick Start Guide

4. SETUP

4.1 Physical Placement

The NP-UM330X is an ultra short throw projector designed to be mounted close to the projection surface, typically directly above the screen. This placement helps eliminate shadows and glare.

- Mount the projector securely to a wall or ceiling mount designed for ultra short throw projectors.
- Ensure the projection surface is flat and smooth for optimal image quality.
- Maintain adequate clearance around the projector for ventilation.

Figure 1: Front view of the NEC NP-UM330X Projector, showing the ultra short throw lens and ventilation. This image illustrates the compact design suitable for close-range projection.

4.2 Connecting Devices

Connect your source devices to the projector using the appropriate ports.

1. **HDMI:** Connect a computer, Blu-ray player, or other HDMI-enabled device to one of the dual HDMI ports.
2. **VGA:** Connect a computer using a VGA cable to the VGA input port.
3. **Audio:** For external audio sources, use the audio input jacks. The projector also features a microphone input to amplify the presenter's voice.
4. **Network (RJ-45):** Connect an Ethernet cable to the RJ-45 port for remote management over a network.
5. **Power:** Connect the power cord to the projector and then to a grounded electrical outlet.

4.3 Powering On/Off

- **To Power On:** Press the power button on the projector or the remote control. The power indicator light will illuminate.
- **To Power Off:** Press the power button again. A confirmation message may appear. Press the power button a second time to confirm shutdown. Allow the projector to cool down before unplugging it.

5. OPERATING INSTRUCTIONS

5.1 Basic Operation

- **Input Selection:** Use the "Input" button on the remote or projector control panel to cycle through available input sources (HDMI1, HDMI2, VGA, etc.).
- **Menu Navigation:** Use the "Menu" button to access the on-screen display (OSD). Navigate using the arrow keys and confirm selections with the "Enter" button.
- **Volume Control:** Adjust the volume of the built-in 16W speaker using the volume buttons on the remote control.

5.2 Image Adjustment

Optimize the projected image for clarity and quality.

- **Focus:** Adjust the focus ring on the lens until the image is sharp.
- **Keystone Correction:** If the image appears trapezoidal, use the keystone correction function in the OSD menu to square the image.
- **Aspect Ratio:** Select the appropriate aspect ratio (e.g., 4:3 native, 16:9) from the OSD menu to match your content.
- **Brightness**/**Contrast:** Adjust these settings in the OSD menu to suit your viewing environment.

5.3 Interactive System (Optional)

The NP-UM330X can be integrated with the optional NP02Wi eBeam interactive system to create a complete interactive projection solution. Refer to the NP02Wi eBeam manual for detailed setup and operation instructions for the interactive features.

5.4 Network Management

The RJ-45 port allows for remote management of the projector over a network. This includes monitoring projector status, controlling power, and adjusting settings from a connected computer. Consult the network guide on the provided CD-ROM for detailed instructions on configuring network settings and using management software.

6. MAINTENANCE

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

6.1 Lamp Replacement

The projector lamp has a finite lifespan. When the lamp life indicator appears, replace the lamp promptly. Refer to the full user manual on the CD-ROM for detailed lamp replacement procedures. Always use genuine NEC replacement lamps.

- Allow the projector to cool completely before attempting lamp replacement.
- Disconnect the power cord before opening the lamp cover.
- Dispose of used lamps according to local regulations.

6.2 Filter Cleaning

The air filter prevents dust from entering the projector. Clean the filter regularly (e.g., every 100 hours of use) to maintain proper ventilation and prevent overheating.

- Turn off the projector and disconnect the power cord.
- Locate the air filter cover, typically on the side or bottom of the projector.
- Remove the filter and clean it with a soft brush or vacuum cleaner. Do not wash the filter with water.
- Reinsert the clean filter and close the cover securely.

6.3 General Cleaning

- **Projector Casing:** Wipe the exterior with a soft, dry cloth. For stubborn dirt, use a cloth lightly dampened with water and a mild detergent, then wipe dry.
- **Lens:** Gently clean the lens with a lens cleaning cloth or lens paper. Avoid using abrasive materials or harsh chemicals.

7. TROUBLESHOOTING

This section addresses common issues you might encounter. For more complex problems, refer to the comprehensive user manual on the CD-ROM or contact customer support.

Problem	Possible Cause	Solution
No image displayed	- Power cord disconnected - Incorrect input source selected - Source device not powered on or connected	- Check power connections - Select correct input source - Ensure source device is on and connected
Image is blurry	- Lens out of focus - Projector not perpendicular to screen	- Adjust focus ring - Use keystone correction or reposition projector
Projector overheats and shuts down	- Blocked ventilation - Dirty air filter	- Ensure clear airflow around projector - Clean or replace air filter
No audio	- Volume too low or muted - Audio cable not connected properly - Source device audio output issue	- Increase volume, check mute setting - Verify audio cable connections - Check audio settings on source device

8. SPECIFICATIONS

Below are the key technical specifications for the NEC NP-UM330X Projector.

- **Model Number:** NP-UM330X
- **Native Resolution:** 1024 x 768 (XGA)
- **Standard Mode Brightness:** 3300 lumens
- **Contrast Ratio:** 3,000:1
- **Native Aspect Ratio:** 4:3
- **Connectivity Technology:** HDMI (x2), VGA, RJ-45, Audio In, Microphone In
- **Special Features:** Ultra Short Throw, Built-in 16W Speaker, Closed Captioning, Network Management
- **Product Dimensions:** 4.4 x 23.3 x 16.9 inches
- **Item Weight:** 16.9 pounds
- **Manufacturer:** NEC
- **Recommended Uses:** Business, Education

9. 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.
Contact information for customer support can typically be found on the NEC website or in the full user manual provided on the CD-ROM.