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> NEC NP-V300X Data Projector 3000 ANSI HD 3D 1080i HDMI User Manual

NEC NP-V300X

NEC NP-V300X Data Projector User Manual

Model: NP-V300X

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your NEC NP-V300X Data Projector. Please read it thoroughly before use and retain it for future reference.



Figure 1: Front view of the NEC NP-V300X Data Projector, showing the lens, NEC logo, and ventilation grilles.

2. SETUP

2.1 Unpacking and Contents

Carefully remove the projector and all accessories from the packaging. Ensure all components are present:

- NEC NP-V300X Projector
- Power Cord
- Remote Control with Batteries

- VGA Cable
- User Manual (this document)

2.2 Projector Placement

Place the projector on a stable, level surface or mount it securely. Ensure adequate ventilation around the projector to prevent overheating. Maintain a clear path between the projector lens and the screen.

2.3 Connecting Devices

Connect your video and audio sources to the appropriate input terminals on the projector's rear panel.



Figure 2: Rear panel of the NEC NP-V300X Data Projector, displaying various input and output ports including HDMI, VGA (COMPUTER 1 IN, COMPUTER 2 IN, MONITOR OUT), S-VIDEO IN, AUDIO IN/OUT, PC CONTROL, and LAN.

- **HDMI Input:** Connect an HDMI cable from your source device (e.g., Blu-ray player, laptop) to the HDMI IN port.
- **VGA (Computer) Input:** Connect a VGA cable from your computer to either COMPUTER 1 IN or COMPUTER 2 IN.
- **Audio Input:** Use the AUDIO IN ports for analog audio signals corresponding to your video input.
- **LAN Port:** For network control and monitoring.
- **Power:** Connect the supplied power cord to the AC IN socket and then to a power outlet.

2.4 Powering On

After connecting all cables, press the power button on the projector or remote control to turn on the unit. The power indicator light will change color.

3. OPERATING INSTRUCTIONS

3.1 Basic Operation

- **Power On/Off:** Press the **POWER** button once to turn on. Press twice to turn off.
- **Source Selection:** Press the **SOURCE** button to cycle through available input sources (HDMI, Computer 1, Computer 2, S-Video).
- **Auto Adjust:** Press **AUTO ADJ.** to automatically optimize the image for the current input source.



Figure 3: Top panel of the NEC NP-V300X Data Projector, showing the control buttons (Menu, Enter, Exit, directional arrows, Auto Adj., Source, Power), focus/zoom rings, and indicator lights (Lamp, Status, Power).

3.2 Image Adjustment

- **Focus:** Rotate the **FOCUS** ring on the lens barrel until the image is sharp.
- **Zoom:** Rotate the **ZOOM** ring on the lens barrel to adjust the image size.
- **Keystone Correction:** Use the menu system to correct trapezoidal distortion if the projector is not perfectly perpendicular to the screen.

3.3 Menu Navigation

Press the **MENU** button to access the on-screen display (OSD) menu. Use the directional arrow buttons to navigate and **ENTER** to select options. Press **EXIT** to close the menu.

3.4 3D Functionality

The NP-V300X supports 3D content. To view 3D, ensure your source device is outputting a compatible 3D signal and use active 3D glasses (sold separately) that are compatible with DLP Link technology.

4. MAINTENANCE

4.1 Lamp Replacement

The projector lamp has a finite lifespan. When the lamp indicator lights up or the image becomes dim, the lamp may need

replacement. The lamp type for this model is **NP18LP**.

1. Turn off the projector and disconnect the power cord.
2. Allow the projector to cool down for at least 60 minutes before attempting lamp replacement.**CAUTION: HOT SURFACE!**
3. Locate the lamp cover (refer to the diagram in the full service manual).
4. Unscrew the lamp cover and carefully remove the old lamp module.
5. Install the new NP18LP lamp module, ensuring it is securely seated.
6. Replace the lamp cover and tighten the screws.
7. Reset the lamp timer through the projector's OSD menu.



Figure 4: Side view of the NEC NP-V300X Data Projector, showing ventilation grilles essential for cooling and preventing overheating. Proper airflow is crucial for lamp longevity.

4.2 Cleaning

- **Projector Casing:** Wipe with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Lens:** Gently clean the lens with a lens cleaning cloth and lens cleaning solution. Avoid touching the lens directly.
- **Air Filter:** Regularly clean or replace the air filter to maintain optimal cooling performance. Refer to the full service manual for filter location and replacement instructions.

5. TROUBLESHOOTING

Problem	Possible Cause	Solution
No image on screen	Power cord disconnected Incorrect input source selected Source device not powered on or outputting signal Lens cap on	Check power connection Press SOURCE button to select correct input Verify source device operation Remove lens cap

Problem	Possible Cause	Solution
Image is blurry	Lens out of focus Projector too close/far from screen	Adjust FOCUS ring Adjust projector distance or ZOOM ring
Projector shuts down unexpectedly	Overheating (blocked vents) Lamp nearing end of life	Ensure vents are clear; clean air filter Replace lamp if necessary

6. SPECIFICATIONS

Key technical specifications for the NEC NP-V300X Data Projector:

- **Model:** NP-V300X
- **Brand:** NEC
- **Display Type:** DLP
- **Display Resolution Maximum:** 1600 x 1200
- **Connectivity Technology:** HDMI, VGA
- **Special Feature:** 3D-Ready, Lightweight, Portable
- **Item Weight:** 5.5 pounds
- **Speaker Type:** Mono
- **Lamp Type:** NP18LP
- **Power Supply:** 100-240V~ 50/60Hz



Figure 5: Bottom view of the NEC NP-V300X Data Projector, showing the model number (NP-V300X) and electrical ratings.

7. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, 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.

NEC Display Solutions, Ltd.

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For US Residents: The lamp(s) in this product contains mercury. Please dispose according to Local, State or Federal Laws.

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