JVC DLA-NZ800

JVC DLA-NZ800 D-ILA Laser Projector

User Manual

1. Introduction

Welcome to the user manual for your JVC DLA-NZ800 D-ILA Laser Projector. This document provides essential information for the safe and effective operation of your new home theater projector. Please read this manual thoroughly before using the projector and retain it for future reference. The DLA-NZ800 is designed to deliver a superior cinematic experience with its advanced 8K e-ShiftX technology, Gen2 Frame Adapt HDR, and a high-quality laser light source.

2. Safety Information

To ensure safe operation and prevent damage, observe the following precautions:

- **Power Supply:** Use only the specified power supply voltage. Ensure the power cord is securely connected and not damaged.
- **Ventilation:** Do not block ventilation openings. Ensure adequate space around the projector for proper airflow to prevent overheating.
- **Placement:** Place the projector on a stable, level surface. Avoid locations with high humidity, dust, or extreme temperatures.
- **Laser Safety:** Do not look directly into the projector lens when the laser light source is active. This can cause eye damage.
- **Servicing:** Do not attempt to service the projector yourself. Refer all servicing to qualified service personnel.
- **Cleaning:** Disconnect the power cord before cleaning. Use a soft, dry cloth. Avoid liquid or aerosol cleaners.

3. Package Contents

Verify that all items are present in the package:

- JVC DLA-NZ800 D-ILA Laser Projector
- Remote Control
- Power Cord

- Lens Cap
- User Manual (this document)
- Batteries for Remote Control (may be included separately)

4. Product Overview

Familiarize yourself with the main components of your JVC DLA-NZ800 projector.

4.1 Front View



Figure 4.1: Front view of the JVC DLA-NZ800 Projector. The large central lens is flanked by air intake vents.

The front of the projector features the high-quality 17-element, 15-group all-glass lens system, which is crucial for projecting sharp, detailed images. Ventilation grilles are located on both sides to ensure efficient cooling.

4.2 Rear Panel Connections



Figure 4.2: Rear panel connections of the JVC DLA-NZ800 Projector.

The rear panel provides all necessary input and control ports:

- **HDMI 1 & 2:** Connect your video sources (e.g., Blu-ray player, streaming device, gaming console). Supports 8K/60p and 4K/120p.
- **RS-232C:** For external control systems.
- **SERVICE:** For service and maintenance purposes.
- **TRIGGER:** For synchronized control of external devices like motorized screens.
- **LAN:** For network control and firmware updates.
- **AC IN:** Power cord connection.

4.3 Remote Control



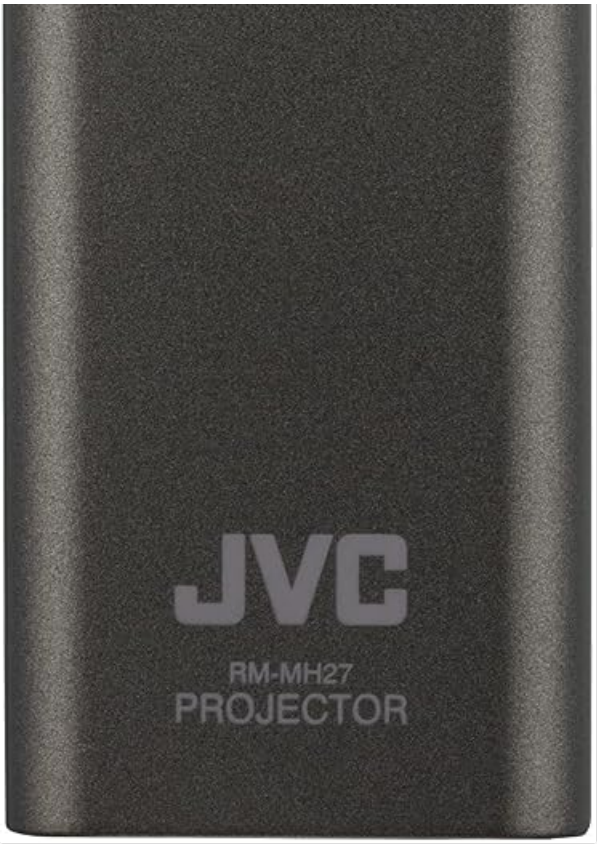


Figure 4.3: Remote control for the JVC DLA-NZ800 Projector.

The included remote control provides full functionality for operating the projector, including power, input selection, lens adjustments, and picture settings.

5. Setup

Follow these steps to set up your JVC DLA-NZ800 projector.

5.1 Placement

- Choose a location that allows for optimal projection distance and screen size.
- Ensure the projector is placed on a stable surface or securely mounted.
- Maintain sufficient clearance around the projector for ventilation (at least 30 cm / 12 inches from walls or obstructions).

5.2 Connecting Devices

1. Connect your video source (e.g., Blu-ray player, media streamer) to one of the HDMI input ports on the rear panel using a high-quality HDMI cable.
2. If using external audio equipment, connect the audio output from your source device directly to your audio receiver or sound system.
3. For network control or firmware updates, connect an Ethernet cable to the LAN port.

5.3 Power Connection

1. Insert the power cord firmly into the AC IN port on the projector's rear panel.
2. Plug the other end of the power cord into a grounded electrical outlet.

6. Operating Instructions

This section covers basic operation of your projector.

6.1 Powering On/Off

- **To Power On:** Press the **ON** button on the remote control or the power button on the projector. The indicator light will change.
- **To Power Off:** Press the **STANDBY** button on the remote control. A confirmation message may appear; press **STANDBY** again to confirm. The projector will enter standby mode.

6.2 Input Selection

Press the **INPUT** button on the remote control repeatedly to cycle through available input sources (HDMI 1, HDMI 2).

6.3 Lens Control and Picture Adjustment

The DLA-NZ800 features motorized lens shift, zoom, and focus. Use the **LENS CONTROL** button on the remote to access these settings. Use the arrow keys to adjust:

- **Focus:** Adjust for a sharp image.
- **Zoom:** Adjust the image size to fit your screen.
- **Shift:** Vertically and horizontally adjust the image position without moving the projector.

For advanced picture adjustments, press the **MENU** button to access settings such as Picture Mode, Color Profile, Gamma Settings, and Frame Adapt HDR.

6.4 Frame Adapt HDR and 8K e-ShiftX

The projector automatically detects HDR content and applies Frame Adapt HDR processing for optimal brightness and contrast. The 8K e-ShiftX technology works automatically to enhance resolution for both 4K and 8K content, providing a detailed image by shifting pixels in four directions.

7. Maintenance

Regular maintenance ensures optimal performance and longevity of your projector.

7.1 Cleaning the Projector

- **Exterior:** Gently wipe the projector's exterior with a soft, dry, lint-free cloth. Do not use abrasive cleaners, waxes, or solvents.
- **Lens:** Use a professional lens cleaning kit (blower brush, lens cleaning solution, microfiber cloth) to carefully clean the lens. Avoid touching the lens surface with your fingers.
- **Air Vents:** Periodically use a soft brush or a low-power vacuum cleaner with a brush attachment to remove dust from the air intake and exhaust vents.

7.2 Laser Light Source

The DLA-NZ800 uses a durable BLU-Escent laser light source, which does not require lamp replacement. Its lifespan is significantly longer than traditional lamps, reducing maintenance needs.

8. Troubleshooting

If you encounter issues with your projector, refer to the following common problems and solutions.

Problem	Possible Cause	Solution
No image displayed	Incorrect input selected; loose cable connection; projector in standby.	Select correct input; check HDMI cable connections; power on the projector.
Image is blurry	Lens out of focus.	Adjust the lens focus using the remote control.
Image is distorted or not centered	Incorrect lens shift or keystone correction.	Adjust lens shift and keystone settings via the remote control menu.
Projector overheats and shuts down	Blocked ventilation; high ambient temperature.	Ensure vents are clear; operate in a well-ventilated area.
Remote control not working	Dead batteries; obstruction between remote and projector.	Replace batteries; ensure clear line of sight to the projector's IR receiver.

If the problem persists after trying these solutions, please contact JVC customer support.

9. Specifications

Key technical specifications for the JVC DLA-NZ800 D-ILA Laser Projector:

Feature	Specification
Model Number	DLA-NZ800
Display Technology	D-ILA (3x 0.69-inch native 4K devices)
Light Source	BLU-Escent Laser
Resolution	8K (with Gen2 8K/e-shiftX technology)
Native Contrast Ratio	100,000:1
Dynamic Contrast Ratio	Infinity:1
Lens System	17-element, 15-group 65mm all-glass lens
HDMI Inputs	(2) HDMI (8K/60p & 4K/120p compatible)
HDR Support	HLG, HDR10+, BT.2020 wide color gamut
Dimensions (W x H x D)	19.88 x 9.21 x 19.66 inches (approx.)
Weight	50.9 pounds (approx.)
Special Features	Gen2 Frame Adapt HDR, Theater Optimizer, Low Latency Mode, Installation Mode

10. Warranty and Support

For warranty information, please refer to the warranty card included with your product or visit the official JVC website. For technical support, service, or inquiries, please contact JVC customer service through their official channels. Keep your purchase receipt as proof of purchase for warranty claims.

JVC Official Website: www.jvc.com

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