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Dangbei Neo

Dangbei Neo Mini Projector User Manual

Model: Neo | Brand: Dangbei

1. INTRODUCTION

Welcome to the user manual for your new Dangbei Neo Mini Projector. This portable projector is designed to deliver a high-quality cinematic experience with its 1080P Full HD resolution, 540 ISO Lumens brightness, and officially-licensed streaming applications like Netflix. Equipped with intelligent features such as auto-focus, keystone correction, object avoidance, and screen adaption, the Neo ensures an effortless setup and a clear, sharp image. Its integrated 12W Dolby Audio speakers provide immersive sound, complemented by 5G Wi-Fi and Bluetooth 5.0 connectivity for versatile media playback. Please read this manual thoroughly to understand the product's features and ensure proper operation and maintenance.

2. WHAT'S IN THE BOX

Verify that all the following items are included in your package:

- Dangbei Neo Projector x 1
- Power Adapter 90W (19V/4.74A) x 1
- AC Cord x 1
- Remote Control x 1
- Instruction Manual x 1

3. PRODUCT OVERVIEW



Figure 3.1: Front view of the Dangbei Neo Mini Projector, showcasing its compact design, projection lens, and intelligent sensors.

The Dangbei Neo Mini Projector features a sleek, compact design. The front panel houses the projection lens and intelligent sensors for auto-focus and obstacle avoidance. The sides are equipped with ventilation grilles to ensure optimal cooling during operation. The rear panel contains all the necessary input and output ports for connecting external devices.

Get Wowed By Stunning Visuals



Figure 3.2: Rear view of the projector, detailing the various connectivity ports including DC power input, S/PDIF, LAN, HDMI/ARC, and USB ports.

Key Components:

- **Projection Lens:** Emits the image onto the screen or wall.
- **Intelligent Sensors:** Used for auto-focus, keystone correction, and obstacle avoidance.
- **Ventilation Grilles:** Located on the sides, these ensure proper airflow to prevent overheating.
- **Power Input (DC):** Connects to the included power adapter.

- **S/PDIF Port:** For digital audio output.
- **LAN Port:** For wired internet connection.
- **HDMI/ARC Port:** Connects to external video sources (e.g., Blu-ray player, game console). Supports Audio Return Channel (ARC).
- **USB Ports:** For connecting USB storage devices or other peripherals.

4. SETUP

4.1 Placement

Choose a flat, stable surface for your projector. The Dangbei Neo is highly portable, allowing for flexible placement in various environments, from your living room to outdoor settings.

Lightweight & Easy to Carry

Go Anywhere with Neo



Figure 4.1: The projector's compact size makes it ideal for portable use, easily fitting on small surfaces like an outdoor table.

The projector can project an image size of up to 120 inches. Adjust the distance between the projector and the projection surface to achieve your desired screen size. Ensure the projection surface is clean and smooth for the best image quality.

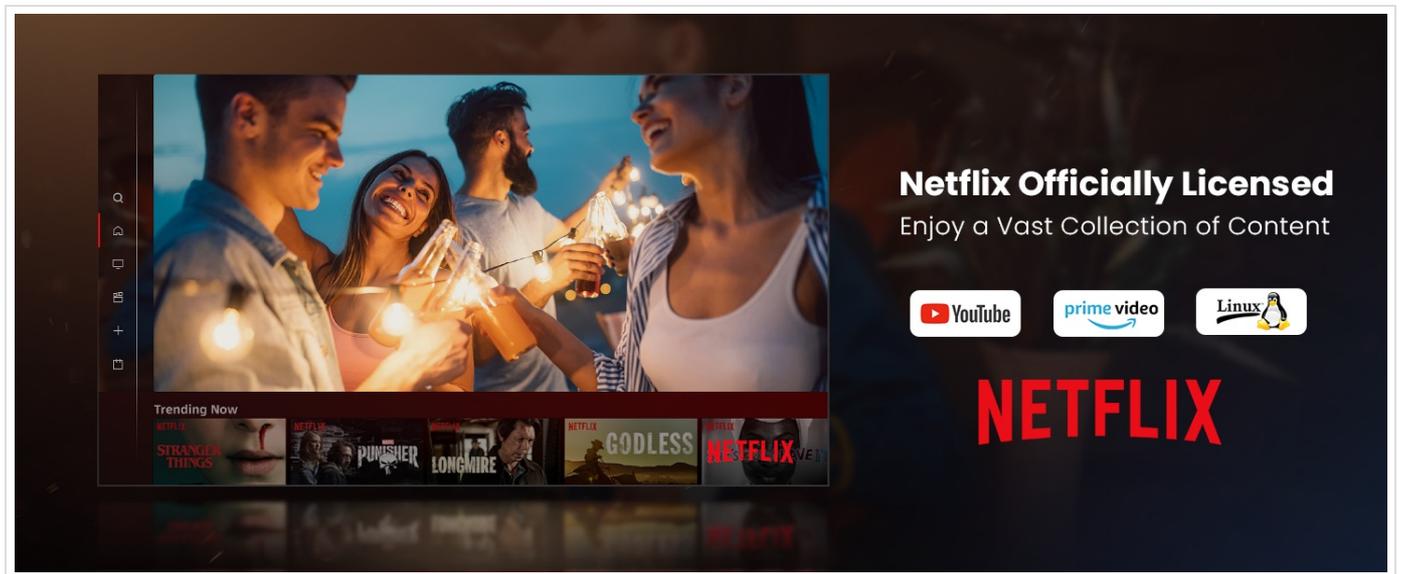


Figure 4.2: Illustrates the flexible projection sizes achievable with the Dangbei Neo, ranging from 37.5 inches to a maximum of 120 inches, allowing for versatile viewing experiences.

4.2 Power Connection

1. Connect the AC cord to the power adapter.
2. Plug the power adapter into the DC input port on the rear of the projector.
3. Plug the other end of the AC cord into a power outlet.

4.3 Initial Setup (Intelligent Features)

The Dangbei Neo is equipped with intelligent features to simplify setup:

Simplify Your Life with Intelligence



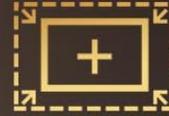
Auto Focus



Keystone correction



Obstacle Avoidance



Screen Fit



Figure 4.3: Visual representation of the projector's intelligent features, including automatic focus, keystone correction, obstacle avoidance, and smart screen adaptation for a perfect image.

- **Auto Focus:** Upon startup or movement, the projector automatically adjusts the focus to ensure a clear and sharp image.
- **Auto Keystone Correction:** The projector automatically corrects trapezoidal distortion, ensuring a perfectly rectangular image even if the projector is not perfectly aligned with the screen.
- **Object Avoidance:** The projector can detect and avoid obstacles in the projection path, adjusting the image size or position to bypass them.

- **Screen Adaption:** The projector intelligently fits the image to the screen or wall, optimizing the display area.

These features typically activate automatically. If manual adjustment is needed, navigate to the 'Settings' menu using the remote control.

5. OPERATING INSTRUCTIONS

5.1 Power On/Off

- **Power On:** Press the Power button on the remote control or the projector's top panel.
- **Power Off:** Press the Power button again. A shutdown confirmation prompt may appear; select 'Shutdown' to turn off the projector.

5.2 Navigation

Use the included remote control to navigate the projector's interface. The directional buttons allow you to move through menus, and the 'OK' button confirms selections. Other buttons provide quick access to Home, Back, Volume, and Settings.

5.3 Streaming Applications

The Dangbei Neo comes with officially-licensed Netflix, YouTube, and Prime Video pre-installed, running on a Linux system. This allows direct access to a vast library of content without additional devices.

Netflix Officially Licensed

Revolutionizing Netflix Streaming Adventures



Figure 5.1: The projector's home screen displaying pre-installed streaming applications like Netflix, YouTube, and Prime Video, ready for immediate use.

To access these apps, navigate to their icons on the home screen and select them. Ensure the projector is connected to the internet.

5.4 Connectivity

The projector offers multiple connectivity options:

- **Wi-Fi (5G):** Connect to your wireless network for streaming content and accessing online features. Go to 'Settings' > 'Network' to configure Wi-Fi.
- **Bluetooth 5.0:** Connect external Bluetooth speakers, headphones, or other compatible devices for enhanced audio. Go to 'Settings' > 'Bluetooth'.
- **HDMI:** Connect external devices such as laptops, gaming consoles, or Blu-ray players using an HDMI cable. Select the HDMI input source from the projector's menu.
- **USB:** Plug in USB drives to play local media files (videos, photos, music). Select the USB input source.

Expand Your Entertainment



Hard Disk



USB



Games



MIC



STB



Audio



PlayStation



Switch



Xbox



Figure 5.2: Demonstrates the projector's high-speed 5G Wi-Fi capability, enabling seamless streaming and screen mirroring from iOS, Android, and Windows devices.



Figure 5.3: Illustrates the wide range of entertainment options and connectivity ports available on the Dangbei Neo, including USB, HDMI, and LAN, supporting various devices.

5.5 Audio

The projector features built-in 2x6W speakers with Dolby Audio support, providing 360-degree surround sound for an immersive audio experience.

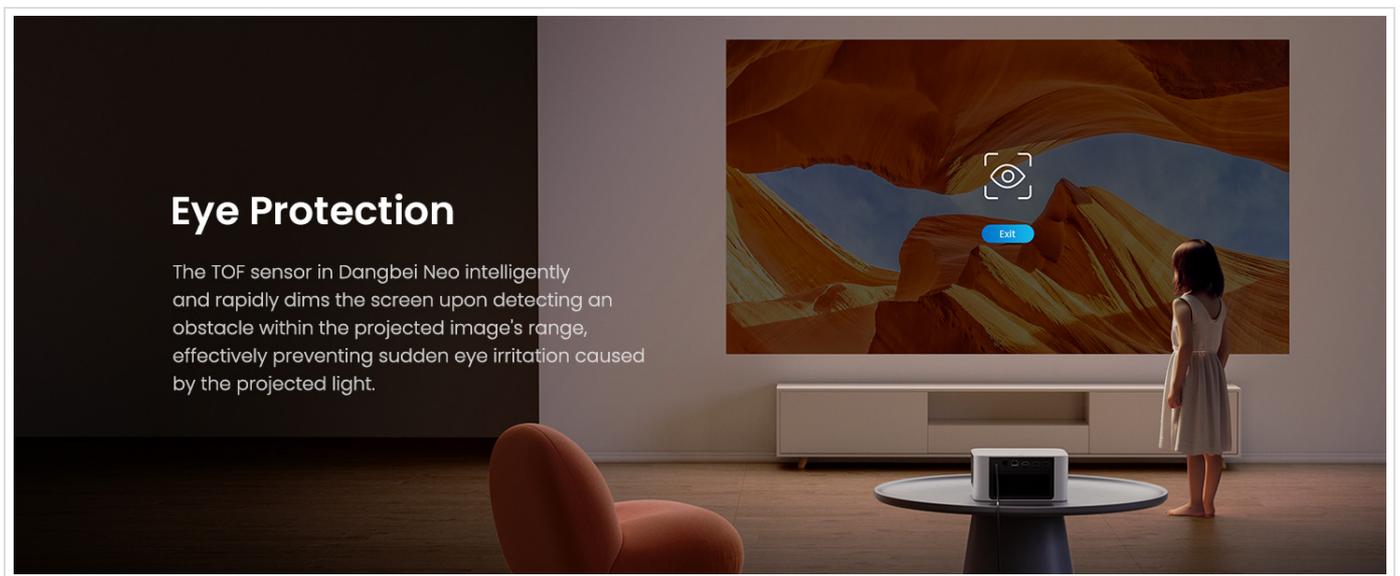


Figure 5.4: Depicts the immersive 360-degree surround sound experience provided by the projector's Dolby Audio speakers, enhancing entertainment.

Adjust the volume using the volume buttons on the remote control. For external audio systems, connect via Bluetooth or the S/PDIF port.

5.6 Eye Protection

The Dangbei Neo is equipped with a TOF (Time-of-Flight) sensor for eye protection. This sensor intelligently detects obstacles within the projected image's range and rapidly dims the screen to prevent sudden eye irritation caused by direct exposure to the projected light.



Figure 5.5: Illustrates the eye protection feature, where the projector automatically dims the light when an object or person approaches the projection path, safeguarding eyes.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your projector.

6.1 Lens Care

The projector features a protection lens filter to prevent scratches and dust on the lens, extending its service life.

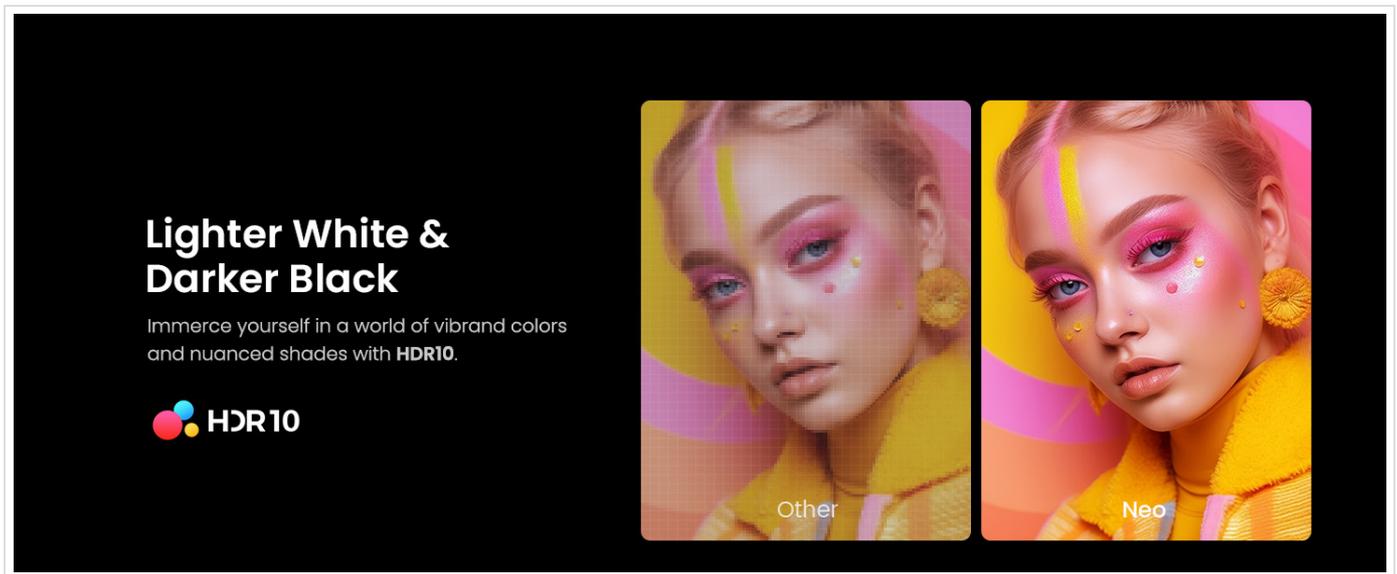


Figure 6.1: The projector's design includes a protective lens filter, which helps prevent dust and scratches, contributing to the device's durability and image clarity.

- **Cleaning the Lens:** Use a soft, lint-free cloth specifically designed for optical lenses. Gently wipe the lens in a circular motion. Do not use abrasive cleaners or solvents.
- **Dust Prevention:** Keep the projector covered when not in use to prevent dust accumulation.

6.2 General Care

- **Cleaning the Casing:** Wipe the projector's exterior with a soft, dry cloth.
- **Ventilation:** Ensure the ventilation grilles are not blocked to allow proper airflow and prevent overheating.
- **Storage:** Store the projector in a cool, dry place away from direct sunlight and extreme temperatures.

7. TROUBLESHOOTING

If you encounter issues with your Dangbei Neo Mini Projector, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No image or blurry image	Power not connected, lens cap on, focus issue, incorrect input source.	Ensure power is connected. Remove lens cap. Allow auto-focus to complete or manually adjust focus. Select correct input source (HDMI, USB, etc.).
No sound	Volume too low, mute enabled, incorrect audio output setting, external device audio issue.	Increase volume. Disable mute. Check audio output settings in projector menu. Ensure external device audio is working.
Wi-Fi connection issues	Incorrect password, out of range, router issue.	Verify Wi-Fi password. Move projector closer to router. Restart router and projector.
Remote control not working	Batteries low/dead, obstruction, pairing issue.	Replace batteries. Ensure no obstructions between remote and projector. Re-pair remote if necessary (refer to remote control guide).
Projector overheating	Blocked ventilation, prolonged use in hot environment.	Ensure ventilation grilles are clear. Operate in a well-ventilated area. Allow projector to cool down.

8. SPECIFICATIONS

Detailed technical specifications for the Dangbei Neo Mini Projector:

Feature	Detail
Brand Name	Dangbei
Item Weight	5.85 pounds
Product Dimensions	7.87 x 6.18 x 3.94 inches
Item Model Number	Neo
Color Name	White
Special Features	Auto Focus, Auto Obstacle Avoidance, Built-In Dolby Audio Speakers, Netflix Officially-Licensed, Short Throw
Recommended Uses For Product	Education, Gaming, Home Cinema
Connectivity Technology	Bluetooth, HDMI, USB, Wi-Fi
Display Resolution	1920 x 1080 (1080P FHD)
Visible Screen Diagonal	120" / 305 cm (Max)
Light Source Lifespan	Up to 30,000 hours
Audio Output	2x6W Speakers, Dolby Audio Support

9. WARRANTY AND SUPPORT

Dangbei products are manufactured to the highest quality standards. For specific warranty details, please refer to the warranty card included with your product or visit the official Dangbei website. Keep your proof of purchase for warranty claims.

For technical support, troubleshooting assistance, or service inquiries, please contact Dangbei Customer Service through their official website or the contact information provided in your product packaging. When contacting support, please have your product model number (Neo) and purchase information ready.

Online Resources:

- Visit the official Dangbei website for FAQs, software updates, and additional support resources.
- Check the product page on Amazon for updated information or community forums.