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Dangbei Neo

Dangbei Neo Smart Projector User Manual

Model: Neo | Brand: Dangbei

1. INTRODUCTION

The Dangbei Neo Smart Projector is a compact, portable device designed to deliver a high-quality home theater experience. Featuring official Netflix licensing, 1080P Full HD resolution, HDR10 support, and intelligent adjustment technologies, this projector offers versatile entertainment options with ease of use. This manual provides essential information for setting up, operating, and maintaining your projector.



Figure 1: Dangbei Neo Smart Projector.

2. WHAT'S IN THE BOX

Upon unboxing your Dangbei Neo Smart Projector, verify that all the following items are included:

- Dangbei Neo Smart Projector
- Remote Control
- Power Adapter
- Power Cable
- User Manual
- Cleaning Cloth



Figure 2: Projector and included accessories.

3. SETUP

3.1 Initial Power-On

1. Connect the power cable to the power adapter, then plug the adapter into the projector's DC input port.
2. Plug the power cable into a suitable electrical outlet.
3. Press the power button on the projector or the remote control to turn on the device.

3.2 Network Connection

The projector supports 5GHz Wi-Fi and Bluetooth 5.0 for seamless connectivity.

- Navigate to the 'Settings' menu on the projector's home screen.
- Select 'Network' and choose your desired Wi-Fi network. Enter the password if prompted.
- For Bluetooth devices, select 'Bluetooth' in the 'Settings' menu and pair your device.

3.3 Intelligent Adjustment Technologies

The Dangbei Neo features 4-in-1 smart adjustment for an optimal viewing experience:

- **Auto Focus:** The projector automatically adjusts for a clear and sharp image.
- **Auto Keystone Correction:** The image is automatically adjusted to a rectangular shape, correcting for angled projections.
- **Intelligent Screen Fit:** The projector automatically aligns the image with the screen boundaries.

- **Obstacle Avoidance:** The projection automatically adjusts to avoid obstacles in its path.

These features typically activate automatically upon startup or movement of the projector. Manual adjustments are also available in the settings menu.

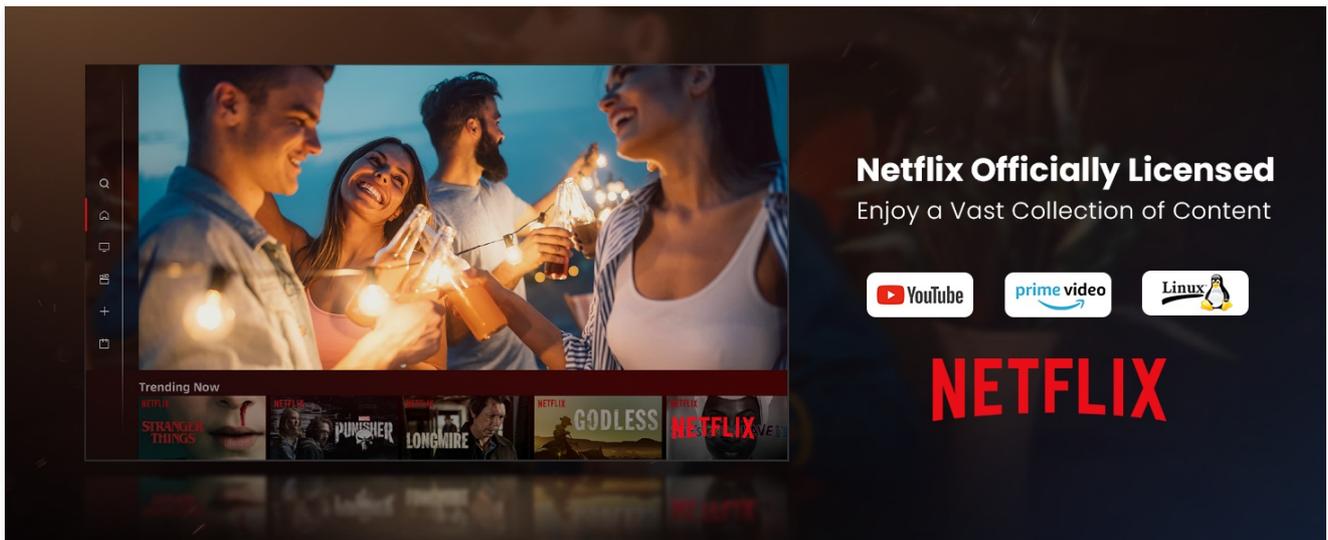


Figure 3: Visual representation of auto-focus and auto-keystone correction.

3.4 Connecting External Devices

The projector offers multiple connectivity options:

- **HDMI:** Connect gaming consoles, laptops, or other HDMI-enabled devices. One HDMI port supports ARC for enhanced audio return.
- **USB:** Use the USB ports for multimedia playback from external storage devices.
- **SPDIF:** For digital audio output to compatible sound systems.
- **LAN:** For a wired internet connection.



Figure 4: Rear view of the projector showing various input/output ports.

5. OPERATING INSTRUCTIONS

5.1 Navigating the Interface

The projector runs on a Linux-based operating system with a user-friendly interface. Use the remote control's directional pad and 'OK' button to navigate through menus and select options.

5.2 Pre-installed Applications

Enjoy a variety of streaming content with pre-installed and officially licensed applications:

- **Netflix:** Access your Netflix subscription directly.
- **YouTube:** Stream videos from YouTube.
- **Prime Video:** Watch content from Amazon Prime Video.
- Additional apps are available through the integrated app store.



Figure 5: Projector displaying the Netflix interface.

5.3 Picture and Audio Settings

Optimize your viewing experience with the following features:

- **Resolution:** Native 1080P Full HD with support for HDR10/HLG for sharp, crisp images.
- **Projection Size:** Up to 120 inches for an immersive cinematic experience.
- **Audio:** Integrated 2x6W speakers with Dolby Audio support provide 360° surround sound.
- **AI Brightness Adjustment:** Automatically optimizes brightness based on ambient light.

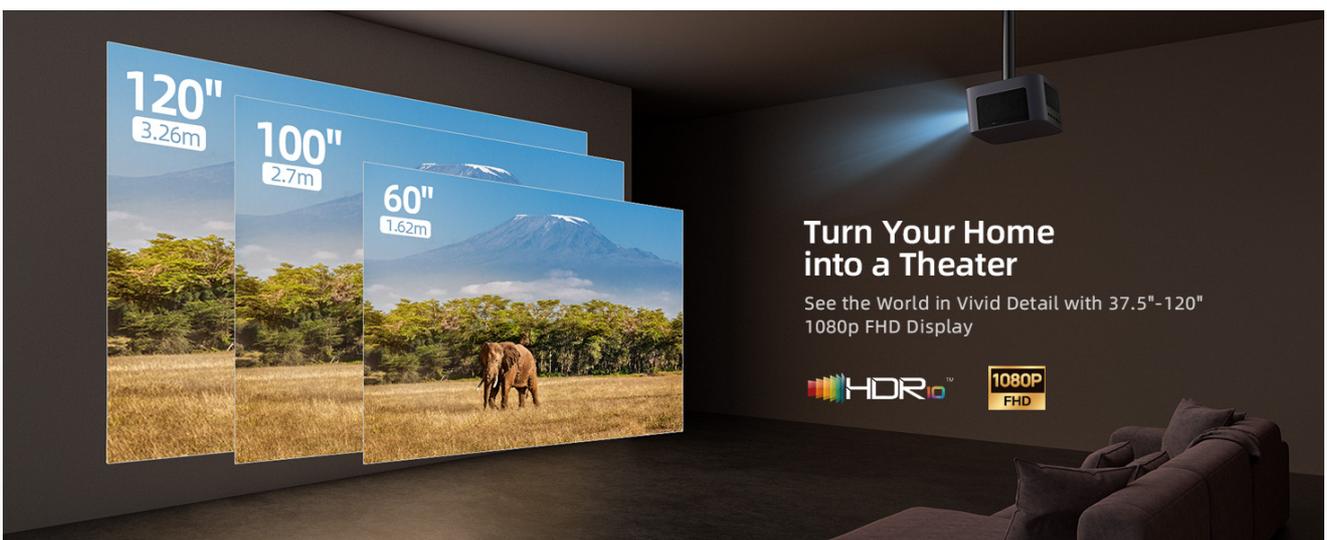


Figure 6: Large projected image from the Dangbei Neo.

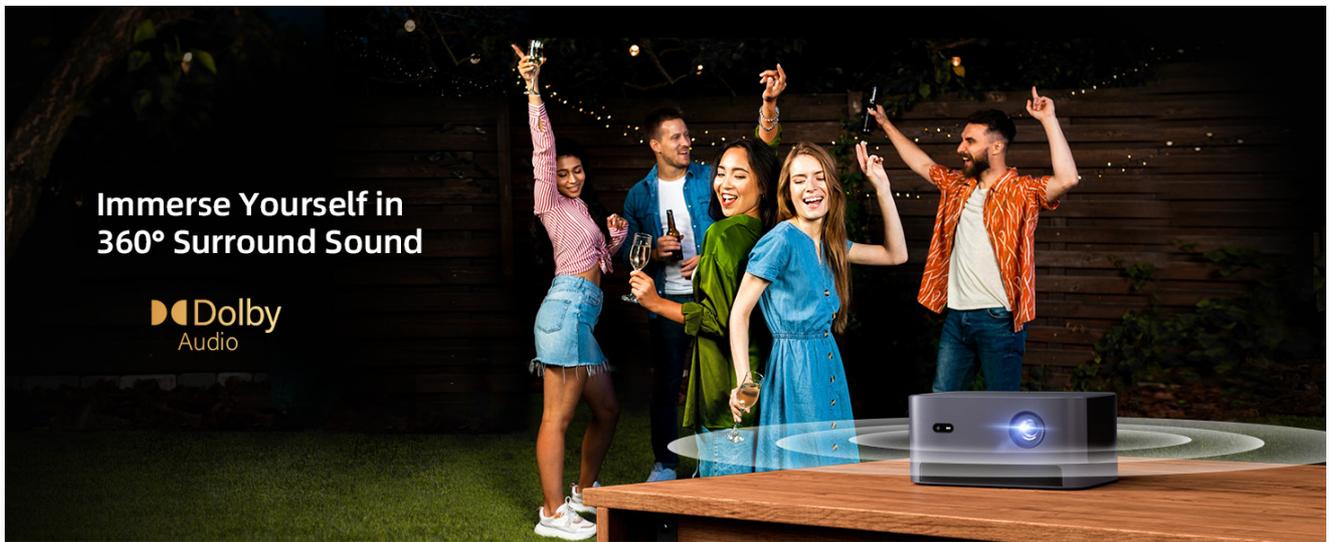


Figure 7: Illustration of 360° surround sound from the projector.

6. MAINTENANCE

- **Cleaning:** Use the provided cleaning cloth to gently wipe the lens and exterior surfaces. Avoid abrasive materials or harsh chemicals.
- **Ventilation:** Ensure the projector's ventilation ports are clear and unobstructed to prevent overheating.
- **Lamp Life:** The laser light source has a lifespan of up to 30,000 hours, providing long-term use without frequent lamp replacement.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
No image/blurry image	Power issue, focus/keystone incorrect, lens obstructed	Check power connection. Use auto-focus/keystone or adjust manually. Clean the lens.
No sound	Volume too low, audio output settings, external device issue	Increase volume. Check audio settings. Ensure external device audio is working.
Wi-Fi/Bluetooth connectivity issues	Incorrect password, device out of range, interference	Verify password. Move closer to router/device. Reduce interference.
Projector overheating	Blocked ventilation, prolonged use	Ensure vents are clear. Allow projector to cool down.

8. SPECIFICATIONS

Feature	Detail
Brand	Dangbei
Model	Neo
Display Resolution	1920 x 1080 (1080P FHD)

Feature	Detail
HDR Support	HDR10/HLG
Light Source	Laser (ALPD)
Lamp Life	Up to 30,000 hours
Brightness	2100 ISO Lumens
Contrast Ratio	12,000:1 (Dynamic)
Operating System	Linux OS
Pre-installed Apps	Netflix, YouTube, Prime Video
Connectivity	5GHz Wi-Fi, Bluetooth 5.0, HDMI (ARC), USB, SPDIF, LAN
Audio	2x6W Dolby Audio Speakers, 360° Surround Sound
Intelligent Features	Auto Focus, Auto Keystone Correction, Intelligent Screen Fit, Obstacle Avoidance, AI Brightness Adjustment
Dimensions	7.87 x 6.18 x 3.94 inches
Weight	0.141 ounces

9. WARRANTY AND SUPPORT

The Dangbei Neo Smart Projector comes with a standard manufacturer's warranty. For detailed warranty information, product support, or service inquiries, please refer to the warranty card included in your package or visit the official Dangbei website.

Online Support: www.dangbei.com

10. OFFICIAL PRODUCT VIDEO

Watch the official product video for a visual overview of the Dangbei Neo Smart Projector's features and capabilities.

Your browser does not support the video tag.

Video: Dangbei Neo Netflix Officially-Licensed Smart Projector. This video highlights key features and usage scenarios.