NEBULA D2350

NEBULA Cosmos Laser 4K Projector User Manual

Model: D2350 | Brand: NEBULA

1. PRODUCT OVERVIEW

The NEBULA Cosmos Laser 4K Projector delivers a premium home entertainment experience with its advanced laser technology and smart features. Designed for both home and office use, it offers stunning 4K UHD resolution and high brightness for clear visuals in various lighting conditions.

Figure 1.1: NEBULA Cosmos Laser 4K Projector

Key Features:

- **Laser-Powered Detail:** Experience intense brightness and crisp 4K UHD quality, suitable for viewing even with ambient light.

- **Intelligent Environment Adaptation (IEA) Technology:** Quick setup with automatic screen fitting, autofocus, and auto keystone correction.

- **Portable Design:** Features an ergonomically designed handle for easy transport between rooms or outdoor spaces.

- **Immersive Audio:** Equipped with dual 5W tweeters and dual 10W speakers for rich, powerful sound.

- **Abundant Streaming Choices:** Powered by Android TV 10.0, offering access to over 400,000 movies and episodes across 7,000+ apps.

2. SETUP GUIDE

Setting up your NEBULA Cosmos Laser 4K Projector is designed to be straightforward, thanks to its intelligent features.

2.1 Initial Power-On and Dongle Setup

The projector operates via the integrated NEBULA 4K Streaming Dongle, which contains all the necessary software. Simply connect the projector to a power source using the provided adaptor.

Figure 2.1: Rear view of the projector with the NEBULA dongle inserted.

2.2 Automatic Picture Adjustment

The projector features Intelligent Environment Adaptation (IEA) Technology for quick and effortless setup:

- **Autofocus:** The projector automatically adjusts the focus for a clear image.
- **Auto Keystone Correction:** It corrects distorted images caused by projecting at an angle, ensuring a perfectly rectangular picture.
- **Auto Screen Fit:** The projector analyzes your room and automatically fits the screen to your space, avoiding furniture or decorations.

These features work seamlessly. Simply turn the projector on or move it, and it will automatically adjust the image. You can also manually adjust keystone correction and focus via the settings menu if needed.

3. OPERATING INSTRUCTIONS

3.1 Android TV Interface

The NEBULA Cosmos Laser 4K Projector runs on Android TV 10.0, providing access to a vast library of content. You can explore over 400,000 movies and episodes across more than 7,000 applications, including popular streaming services.
Netflix is natively supported and works seamlessly without any workarounds. Ensure the projector's firmware is updated for optimal performance and access to the latest features.

3.2 App Control

The projector can be controlled using a dedicated NEBULA app on your smartphone. This app functions as a trackpad, allowing you to navigate the interface with ease. It includes essential buttons like settings, focus, home, and back. The app is particularly useful in dark environments as your phone screen is backlit, making control more convenient than a traditional remote.

Figure 3.1: Android TV interface and smartphone app control.

4. PICTURE QUALITY

The NEBULA Cosmos Laser 4K Projector delivers exceptional visual performance with its advanced laser light source.

4.1 Brightness and Resolution

The projector boasts 2200 ANSI Lumens (or 2400 ISO Lumens), providing a bright and clear image. It supports a maximum resolution of 4K (3840 x 2160) at 60Hz, ensuring sharp and detailed visuals. It also supports HDR10 for enhanced contrast and color.

Figure 4.1: Projector performance in a bright room.

4.2 Contrast and Color

With a 1000:1 contrast ratio, the projector offers distinct layers and vibrant colors, enhancing the visual experience. The laser technology provides 1.8X brighter images and 2X better contrast compared to LED projectors, along with 100% Rec.709 color gamut for accurate color reproduction.

Figure 4.2: Comparison of Laser 4K vs. LED 4K image clarity.

4.3 Light Bleed

While the projector offers excellent image quality, some light bleed may be present, particularly when keystone correction is heavily utilized. This is a common characteristic of projectors that use digital keystone correction. For optimal results, try to position the projector as directly as possible to the screen to minimize the need for extensive keystone adjustments.

5. SOUND QUALITY

The NEBULA Cosmos Laser 4K Projector is equipped with a powerful audio system for an immersive sound experience.

- **Integrated Speakers:** Features dual 5W tweeters and dual 10W full-range speakers.
- **Dolby Audio:** Supports Dolby Audio for enhanced sound clarity and depth.
- **Noise Level:** The fan noise is measured at approximately 28dB, which is generally considered quiet and not distracting during viewing.

The projector can also function as a standalone Bluetooth speaker. For 5.1 surround sound, you can connect external audio systems via HDMI ARC, though 5.1 is not supported in Bluetooth mode.
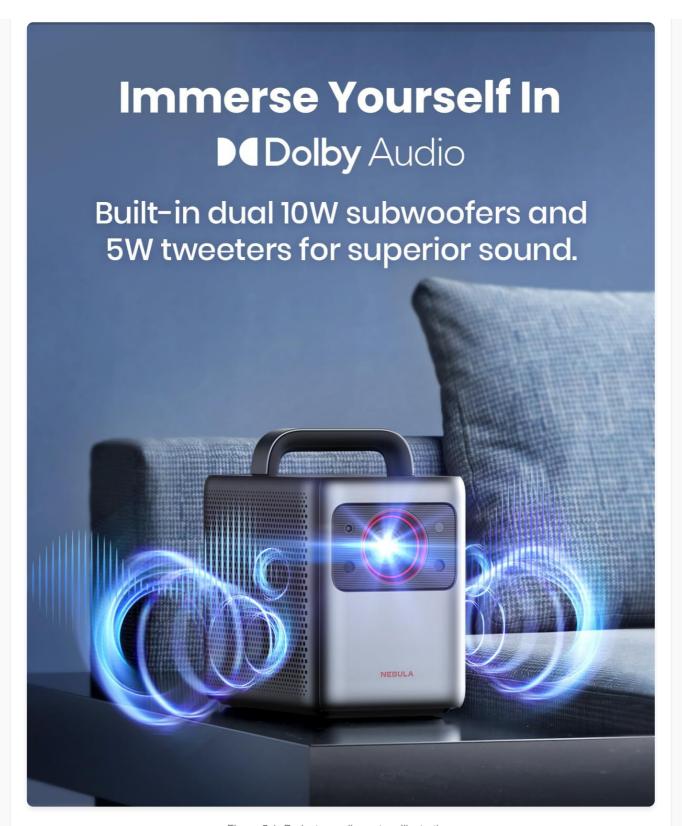
Figure 5.1: Projector audio system illustration.

6. Gaming Performance

For gamers, the projector offers a dedicated Game Mode to optimize performance.

- **Input Lag:** In Game Mode, the image/video delay is between 40ms and 50ms, which is comparable to many gaming projectors.

- **Connectivity:** Supports HDMI 2.0 and 240Hz refresh rate for smooth gameplay.

While suitable for casual gaming, serious competitive gamers might prefer a more dedicated gaming monitor or projector with lower input lag. However, for most users, the gaming experience on the NEBULA Cosmos Laser 4K is highly enjoyable, especially on a large screen.

7. NORMAL TV USAGE

The projector performs well for everyday television viewing, even with standard HD content. Colors remain bright and vivid, and the overall picture quality is excellent. It handles upscaling effectively, making non-4K content look great on a large screen.
The high brightness allows for comfortable viewing even in rooms with some ambient light, making it a versatile option for daily use beyond just dedicated home theater setups.

8. DESIGN AND PORTS

The NEBULA Cosmos Laser 4K Projector features a robust and portable design.

- **Dimensions:** Approximately 10.35 x 6.5 x 8.66 inches.
- **Weight:** Approximately 10.69 pounds (4.85 kg).
- **Handle:** Features a non-removable, ergonomically designed handle for easy portability.
- **Material:** Constructed with a high-quality, gunmetal-like finish that feels premium.

8.1 Available Ports

The projector offers essential connectivity options:

- 1 x Power Input
- 1 x HDMI 2.0 port (with ARC support)
- 1 x USB 2.0 port (supports media playback)
- 1 x AUX port

The integrated streaming dongle provides the core smart functionality, reducing the need for numerous external devices.

9. MAINTENANCE

To ensure the longevity and optimal performance of your NEBULA Cosmos Laser 4K Projector, regular maintenance is recommended:

- **Lens Cleaning:** Gently clean the projector lens with a soft, lint-free cloth. Avoid abrasive materials or harsh chemicals.

- **Ventilation:** Ensure the projector's ventilation openings are clear and unobstructed to prevent overheating.
- **Firmware Updates:** Keep the projector's firmware updated for the latest features, bug fixes, and performance improvements. Check for updates via the Android TV settings.

10. TROUBLESHOOTING

If you encounter any issues with your NEBULA Cosmos Laser 4K Projector, try the following basic troubleshooting steps:

- **No Power:** Ensure the power cable is securely connected to both the projector and a working power outlet.
- **No Image:** Check the input source (HDMI, USB) and ensure the projector is powered on. Verify that the lens cap is removed.
- **Blurred Image:** Allow the autofocus to complete. If still blurry, try manual focus adjustment in the settings. Ensure the lens is clean.
- **Distorted Image:** Allow auto keystone correction to run. If needed, use manual keystone correction in the settings to adjust the image shape.
- **No Sound:** Check the volume level on the projector and any connected audio devices. Ensure the correct audio output is selected in the settings.
- **App/Streaming Issues:** Verify your Wi-Fi connection. Restart the app or the projector. Ensure the app and projector firmware are up to date.

For more detailed troubleshooting or persistent issues, refer to the official user manual PDF or contact NEBULA customer support.

11. SPECIFICATIONS

Feature	Specification
Brand	NEBULA
Model Number	D2350
Display Resolution	3840 x 2160 (4K UHD)
Brightness	2200 ANSI Lumens (2400 ISO Lumens)
Contrast Ratio	1000:1

Special Features	Dolby Audio, AIFI, 3D Soundscape, Intelligent Environment Adaptation (IEA) Technology, Keystone correction, Auto focus, Screen fit, Eye guard, Laser-Powered, True 4K laser projector, HDR 10, Built-In Dongle
Connectivity Technology	Wi-Fi, Bluetooth, HDMI, USB, AUX
Operating System	Android TV 10.0
Item Weight	10.69 pounds
Product Dimensions	10.35 x 6.5 x 8.66 inches
Color Name	Black+Gray
First Available Date	May 3, 2022

12. WHAT'S IN THE BOX

- NEBULA Cosmos Laser 4K Projector
- Adaptor
- Remote Control
- NEBULA 4K Streaming Dongle (pre-installed)

13. WARRANTY AND SUPPORT

For detailed warranty information and customer support, please refer to the official NEBULA website or the full user manual.
You can access the complete User Manual in PDF format here:NEBULA Cosmos Laser 4K User Manual (PDF)

Related Documents - D2350

[Nebula Mars 3 Projector: User Guide and Tips for Optimal Performance](#)
Comprehensive guide to getting the most out of your Nebula Mars 3 projector, covering charging, power, modes, features like autofocus and keystone correction, app integration, firmware updates, and optimal positioning for a superior viewing experience.

[Nebula Cosmos Laser & 4K Projector User Manual: Setup, Features, and Troubleshooting](#)
Comprehensive user manual for Nebula Cosmos Laser and Cosmos Laser 4K projectors. Learn about setup, features, remote control, connectivity, settings, specifications, and troubleshooting.

[Nebula Capsule 3 Laser GTV User Manual and Setup Guide](#)
Comprehensive guide for setting up and using the Nebula Capsule 3 Laser GTV projector, covering features, connectivity, settings, and troubleshooting. Learn about device components, remote control functions, initial setup, network configuration, image and sound adjustments, app integration, streaming options, and problem-solving.

[Nebula Anker Capsule 3 Laser FAQ and Troubleshooting Guide](#)
Comprehensive FAQ and troubleshooting guide for the Nebula Anker Capsule 3 Laser portable projector. Find solutions for setup, connectivity, audio, video playback, app usage, and more.

[Nebula Cosmos User Manual: Setup, Features, and Troubleshooting](#)
Comprehensive user manual for the Nebula Cosmos projector by Anker. Learn about setup, features like Nebula Connect app and Chromecast, specifications, troubleshooting, and safety instructions.

[Nebula Cosmos 4K SE Projector User Manual](#)
Comprehensive user manual for the Nebula Cosmos 4K SE projector, covering package contents, setup, operation, settings, troubleshooting, and trademarks.