NEBULA D2351

NEBULA X1 Triple Laser 4K Projector User Manual

Model: D2351

1. INTRODUCTION

This manual provides essential information for the safe and effective operation of your NEBULA X1 Triple Laser 4K Projector. Please read it thoroughly before using the product and retain it for future reference.

Image: The NEBULA X1 Triple Laser 4K Projector, a compact, dark gray device with a handle on top and a prominent lens on the front. The projector features a sleek design with ventilation grilles on the sides.

2. WHAT'S IN THE BOX

Verify that all items are present in the packaging:

- NEBULA X1 Triple Laser 4K Projector
- Remote Control
- Power Adapter
- Quick Start Guide (not included in this manual)

3. SETUP

3.1 Initial Placement and Power Connection

1. Place the projector on a stable, flat surface. Ensure adequate ventilation around the device.

2. Connect the power adapter to the projector's power input port and then plug it into a power outlet.

3. Press the power button on the projector or remote control to turn it on.

3.2 AI Spatial Adaptation

The NEBULA X1 features AI Spatial Adaptation for optimal image setup. This system automatically scans your projection surface and adjusts the image for the best position, size, and clarity.

Image: A projector in a living room automatically adjusting its image to fit a wall, demonstrating AI Spatial Adaptation features like MotionZoom, Auto Micro Gimbal, Auto Obstacle Avoidance, Real-Time Autofocus and Keystone, and Auto Screen Fit. This feature works best within a 13-foot (4-meter) projection distance.

3.3 Optical Zoom Adjustment

Utilize the 0.9-1.5 short to long throw motorized optical zoom to adjust the image size without physically moving the projector. This preserves original image quality.

Image: A graphic illustrating the projector's optical zoom capabilities, showing how it can project a 150-inch screen from 10 feet (0.9:1 throw ratio) or 16 feet (1.5:1 throw ratio) without loss of quality. The on-screen interface for adjusting zoom and focus is also depicted.

4. OPERATING INSTRUCTIONS

4.1 Power On/Off

Press the power button on the remote or the top of the projector to turn the device on or off. A short press will put it into standby mode, while a long press will fully power it down.

4.2 Google TV Interface and Streaming

The NEBULA X1 runs on Google TV, providing access to over 10,000 apps, including official 4K Netflix with Dolby Vision. Navigate the interface using the remote control.
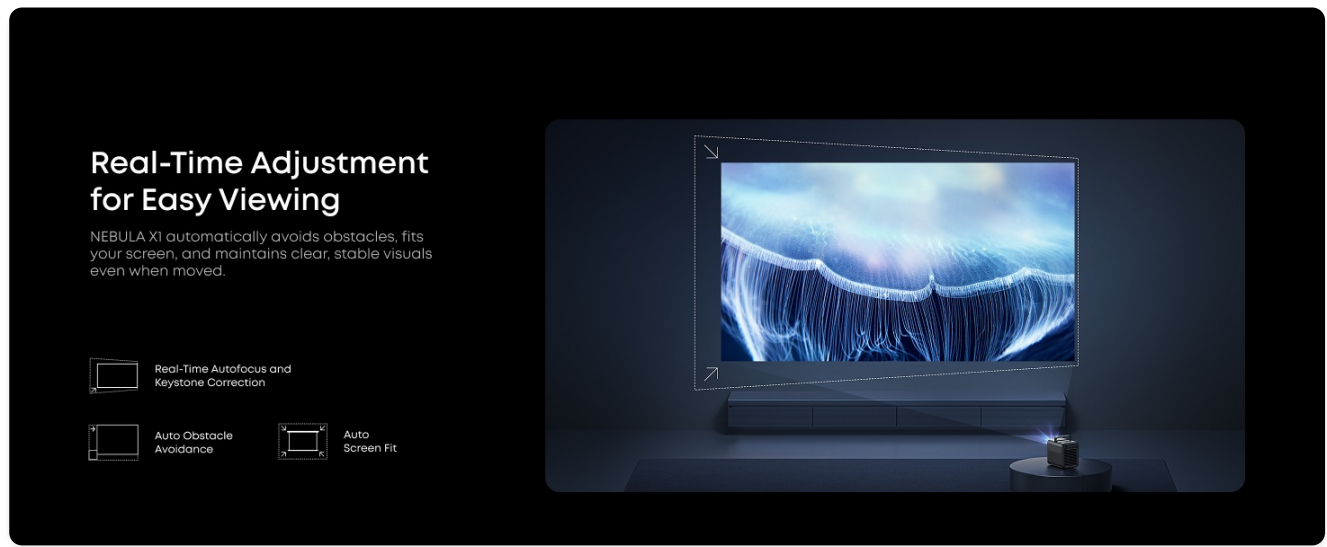

Image: A projector displaying the Google TV home screen on a large outdoor screen, featuring icons for Netflix, YouTube, Hulu, Prime Video, and other streaming services. This illustrates the integrated smart TV functionality.

4.3 Connectivity

The projector offers various connectivity options:

- **HDMI 2.1 (eARC)**: For lossless transmission and 4K@60Hz smooth gaming.
- **USB**: For media playback from external storage devices.
- **AUX**: For connecting external audio devices.
- **Bluetooth**: For wireless audio connections.
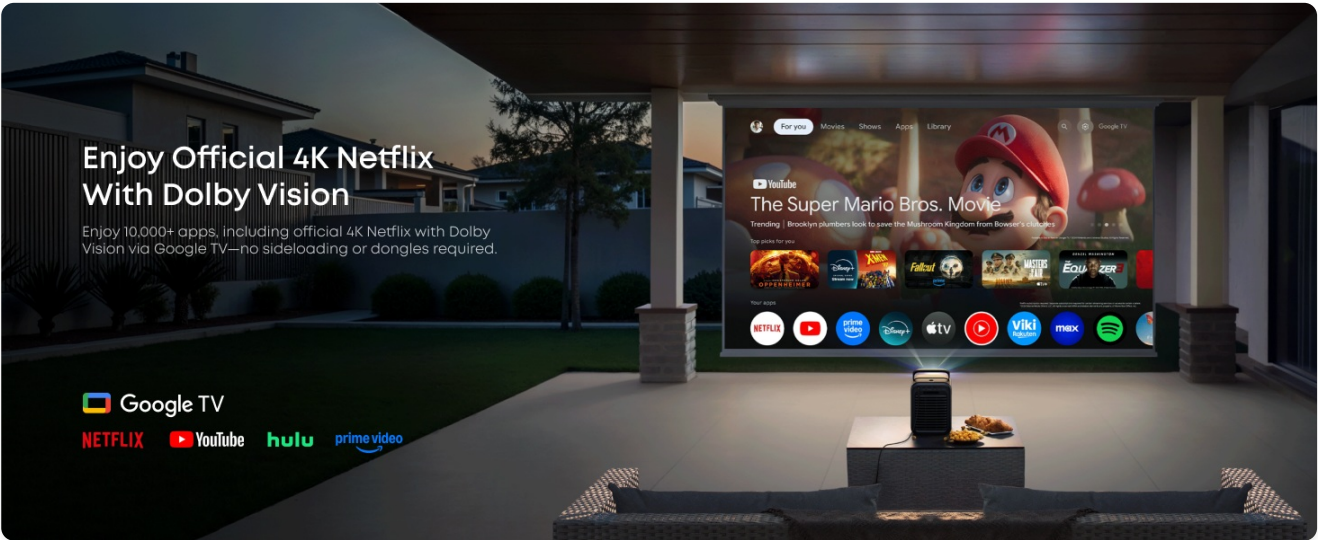- **Wi-Fi**: For internet access and streaming.

Image: A diagram showing the various input and output ports on the NEBULA X1 projector, including HDMI, USB, and audio jacks, along with icons representing devices like smartphones, laptops, headphones, speakers, and game consoles that can be connected.

4.4 Audio Features

Experience immersive stereo sound with 40W speakers that support Dolby Audio, delivering 55Hz bass and up to 87dB loudness.

	NEBULA X1	Other Smart Projector	Traditional Home Cinema Projector
Price	$2,999	Around $3,000	Around $5,000
Brightness	3,500 ANSI Lumens	3,000 ISO Lumens	2,700 ISO Lumens
Light Source	RGB Triple Laser	RGB Triple Laser	Single Blue Laser
Color Gamut	110% Rec. 2020	110% Rec. 2020	63% BT. 2020
Color Accuracy	ΔE ≤0.8	ΔE ≤1.6	ΔE ≤0.84
Native Contrast	5,000:1	4,000:1	5,800:1
Dynamic Contrast	56,000:1	15,000:1	275,000:1
Lens	All-Glass Lens	Plastic + Glass Lens	All-Glass Lens
Dynamic Iris	√	×	×
Angle Adjustment	25° Auto Micro Gimbal	×	Lens Shift
Optical Zoom	0.9:1 - 1.5:1	0.9:1 - 1.5:1	1.35:1 - 2.84:1
Smart Features	IEA 5.0 AI Spatial Adaption/ Spatial Recall	Auto Focus/ Keystone / Obstacle Avoidance/ Screen Alignment	×
Speaker	40W (15W ×2 + 5W ×2) Supports 4.1.2 surround sound when paired with NEBULA Wireless Satellite Speakers	24W (12W ×2)	×
Cooling System	Liquid Cooling (26 dB)	Air Cooling (28 dB)	Air Cooling (30 dB)
Portability	Retractable Handle	×	×
OS	Google TV	Google TV	×
Image Quality Certification	ISF/TUV/Dolby Vision	ISF/Dolby Vision/IMAX	ISF

Image: The NEBULA X1 projector placed on an outdoor table with sound waves graphically emanating from its sides, illustrating its powerful 40W stereo sound system with Dolby Audio support, 55Hz bass, and 87dB loudness.

4.5 Control Options

Control your projector using one of four intuitive methods:

- **Voice Control**: Use Google Assistant for hands-free commands.
- **Remote Control**: The included remote provides full functionality.
- **Touch Buttons**: Physical buttons on the projector for basic controls.
- **NEBULA Connect App**: Control the projector from your smartphone.

Image: A visual representation of the four control options for the NEBULA X1: a remote control, the projector's touch buttons, a smartphone running the NEBULA Connect app, and the Google Assistant logo, indicating voice control capabilities.

4.6 Casting Content

Expand your entertainment options by casting content directly from your phone or laptop using Google Cast or NEBULA Cast.

Image: A smartphone screen mirroring its content onto a large projected display, demonstrating the ability to cast content from various devices using Google Cast and NEBULA Cast.

4.7 3D Cinema

The NEBULA X1 supports 3D content. DLP Link 3D Glasses are required for this feature. Refer to the on-screen menu for 3D mode activation.
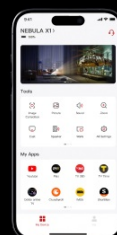

Image: A living room scene with a large, immersive 3D image of a whale projected onto the wall, highlighting the projector's 3D cinema capabilities. Note: DLP Link 3D Glasses are required.

4.8 Eye-Friendly Viewing

The projector incorporates an Eye Guard feature and ambient light adaptation. Brightness automatically adjusts based on ambient light and screen size, and dims if someone walks in front of the laser. It also offers Low Blue Light
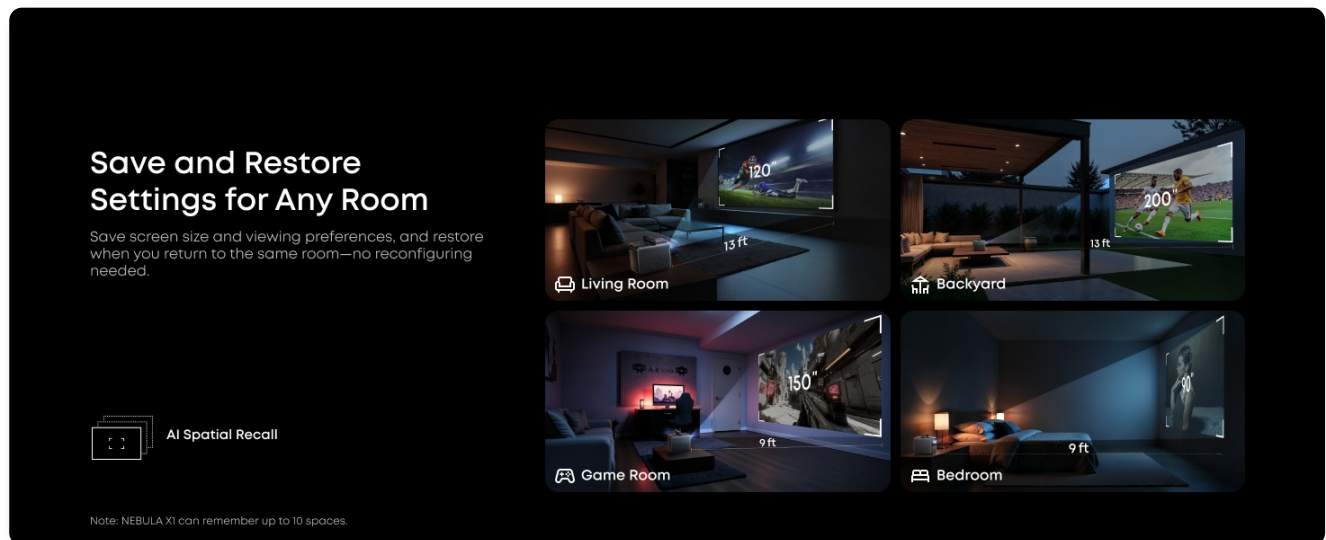
Modes (10%, 15%, 20%, 25%).

Image: A child walking in front of a projector, triggering an on-screen warning about eye protection, demonstrating the Eye Guard feature. The image also highlights ambient light adaptation and low blue light ratio options.

4.9 Wall Color Adaptation

The projector automatically adapts to the color of your projection surface to deliver accurate picture quality, compensating for non-white walls.
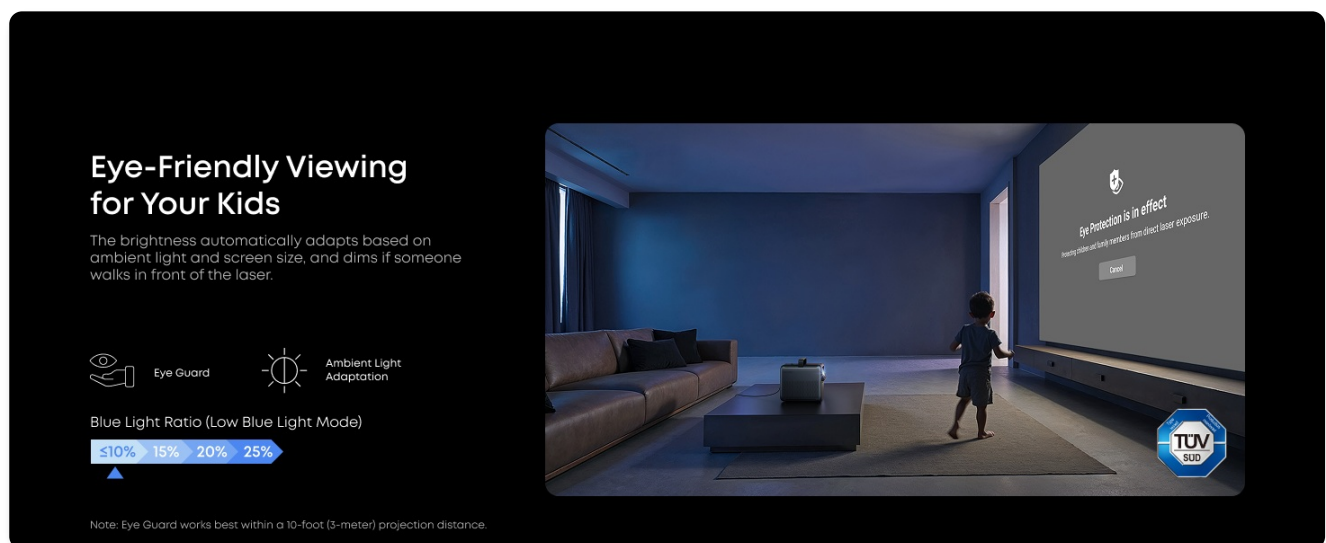

Image: A side-by-side comparison showing a projected image with distorted colors on a colored wall (left) and the same image with authentic, corrected colors after Wall Color Adaptation (right).

5. MAINTENANCE

5.1 Cleaning the Projector

- Use a soft, dry cloth to clean the exterior of the projector.
- For the lens, use a lens cleaning cloth and specialized lens cleaning solution. Avoid touching the lens directly with your fingers.
- Do not use abrasive cleaners, waxes, or solvents.

5.2 Liquid Cooling System

The NEBULA X1 features an industry-first liquid cooling system designed to improve heat dissipation by 15%, reduce size by 30%, and lower noise to under 26 dB at 1 meter away. This system is self-contained and requires no user maintenance.

Image: An internal diagram of the NEBULA X1 projector highlighting its liquid cooling system, showing the flow of coolant and heat dissipation components. This system contributes to quiet operation (26 dB) and efficient thermal management.

6. TROUBLESHOOTING

If you encounter issues with your NEBULA X1 projector, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Sluggish Operating System	Temporary software glitch or high resource usage.	Restart the projector. Ensure all apps are closed when not in use. Consider a factory reset if the issue persists (note: this will erase all data).
Color issues with external devices (e.g., Nvidia Shield)	Incompatible HDR settings or color space settings on the external device.	Adjust HDR settings on the external device (e.g., turn HDR off for Nintendo Switch). Check color space settings on the external device.
3D mode not auto-recognizing	Manual activation required for 3D content.	Manually enable 3D mode through the projector's settings menu when playing 3D content. Re-activate after menu or scene changes if necessary.
Speakers stop working when pairing external speakers	Software conflict or incorrect audio output settings.	Perform a full reset of the projector. Verify audio output settings to ensure the correct device is selected. Consult customer support if the issue persists.

Problem	Possible Cause	Solution
Rainbow effect in bright scenes	DLP technology characteristic (though less common with triple laser).	While the triple laser engine minimizes this, some sensitive individuals may still perceive it. Adjusting brightness or viewing distance might help.
Image is blurry or distorted	Focus, keystone, or obstacle interference.	Ensure the projector is within the optimal projection distance (best within 13 feet for AI Spatial Adaptation). Use the AI Spatial Adaptation feature for automatic correction. Manually adjust focus and keystone if needed. Clear any objects obstructing the projection path.

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

7. SPECIFICATIONS

Detailed technical specifications for the NEBULA X1 Triple Laser 4K Projector:

Category	Specification
Model Number	D2351
Display Technology	DLP 0.47" DMD
Resolution	3840 x 2160 (4K UHD)
Light Source	Triple Laser (RGB)
Brightness	3,500 ANSI Lumens
Color Gamut	110% Rec. 2020
Color Accuracy	ΔE ≤0.8
Native Contrast Ratio	5,000:1
Dynamic Contrast Ratio	56,000:1
Light Source Lifespan	30,000 Hours
Lens	14-element All-Glass Lens
Dynamic Iris	Yes (6-blade)

Category	Specification
Angle Adjustment	25° Auto Micro Gimbal
Optical Zoom	0.9:1 - 1.5:1
Smart Features	IEA 5.0 (Intelligent Environment Adaptation), AI Spatial Adaptation, Spatial Recall, Auto Focus, Keystone Correction, Obstacle Avoidance, Screen Fit, Eye Guard, Wall Color Adaptation
Speaker	40W (15W ×2 + 5W ×2), Dolby Audio Supported
Cooling System	Liquid Cooling
Portability	Retractable Handle
Operating System	Google TV (with Official Netflix)
Modes	Projector Mode / Bluetooth Speaker Mode
Screen Mirroring	Google Cast Built-in, NEBULA Cast
Interface	DC-IN, HDMI 2.1 (eARC), HDMI 2.1, USB-A, USB-C, Audio-Optical
CPU	Quad-Core ARM Cortex-A55
GPU	ARM Mali-G52 MC1
RAM / ROM	2 GB / 32 GB
Dimensions (L x W x H)	11.14 x 7.32 x 9.76 inches (283 x 186 x 248 mm)
Weight	21 pounds (9.5 kg)
Color	Gray
Image Quality Certification	ISF / TUV / Dolby Vision

8. WARRANTY AND SUPPORT

8.1 Warranty Information

NEBULA products typically come with a limited warranty. Please refer to the warranty card included with your product or visit the official NEBULA website for detailed warranty terms and conditions specific to your region and purchase date.

8.2 Customer Support

For technical assistance, troubleshooting not covered in this manual, or warranty claims, please contact NEBULA customer support through the following channels:

- **Online Support**: Visit the official NEBULA support website for FAQs, drivers, and contact forms.
- **Email Support**: Refer to your product packaging or the NEBULA website for the appropriate support email address.
- **Phone Support**: Check the NEBULA website for regional phone support numbers.

When contacting support, please have your product model number (D2351) and purchase information readily available.

Related Documents - D2351

 User Manual **Nebula Mars 3 Air**	[Nebula Mars 3 Air User Manual](#) Comprehensive user manual for the Nebula Mars 3 Air projector, covering setup, features, settings, and troubleshooting.
	[Nebula Capsule 3 Laser GTV User Manual and Setup Guide](#) This user manual provides comprehensive instructions for setting up, using, and troubleshooting the Nebula Capsule 3 Laser GTV projector, covering its features, specifications, and connectivity options.
	[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 P1 Projector FAQ and Troubleshooting Guide](#)
Comprehensive FAQ and troubleshooting guide for the Nebula P1 projector, covering product specifications, features, connectivity, audio, video, and common issues.

[Nebula Capsule 3 Laser GTV User Manual and Guide](#)
Explore the features and functionalities of the Nebula Capsule 3 Laser GTV projector with this comprehensive user manual. Learn about setup, operation, settings, and troubleshooting.

[Nebula Capsule 3 Laser GTV Vartotojo Vadovas](#)
Išsamus vadovas, kaip nustatyti, naudoti ir prižiūrėti Nebula Capsule 3 Laser GTV projektorių, apimantis funkcijas, specifikacijas ir trikčių šalinimą.