

NEBULA D2131

NEBULA by Anker Solar Portable 1080p Projector Instruction Manual

Model: D2131 | Brand: NEBULA

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your NEBULA by Anker Solar Portable 1080p Projector. Please read it thoroughly before using the device and retain it for future reference.



Figure 1: Front view of the NEBULA Solar Portable 1080p Projector.

2. WHAT'S IN THE BOX

Verify that all items listed below are included in your package:

- NEBULA Solar Portable Projector
- Remote Control
- Quick Start Guide

- PD Charger (65W, output 20V/3.25A)
- USB-C to USB-C Cable

3. PRODUCT OVERVIEW

The NEBULA Solar Portable Projector is designed for versatile entertainment, offering a Full HD 1080p image with 400 ANSI lumens brightness. It supports 4K content and features autofocus and keystone correction for easy setup. The device runs on Android TV 9.0, providing access to over 5,000 applications.

Key Features:

- **Display Technology:** 0.23DMD in 1080p DLP
- **Resolution:** 1920x1080 (Full HD)
- **Brightness:** 400 ANSI lumens
- **Autofocus:** 3-second autofocus for clear images.
- **Keystone Correction:** Auto (vertical $\pm 40^\circ$) and Manual (horizontal $\pm 40^\circ$, Quadrilateral $\pm 40^\circ$).
- **Operating System:** Android TV 9.0 with Google Play Store access.
- **Audio:** Dual 3W speakers with Dolby Digital Plus support. Can function as a portable Bluetooth speaker.
- **Connectivity:** HDMI, USB-A, Type-C (Power Delivery charging), Wi-Fi (2.4/5GHz), Bluetooth 4.2.
- **Battery Life:** Up to 3 hours of video playtime (in battery mode).
- **Integrated Stand:** Adjustable up to 13 degrees for optimal viewing angles.

See Every Awesome Detail


400
ANSI LUMENS

1080p

Others

Figure 2: Visual representation of the projector's 1080p image clarity at 400 ANSI lumens.

Immersive Audio

 Dolby Audio



Figure 3: The projector in use for outdoor group viewing, highlighting its portability and battery life.

4. SETUP

4.1 Initial Power On and Charging

1. Connect the provided PD charger to the Type-C port on the projector.
2. Plug the charger into a power outlet. The projector can be used while charging.

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

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Video 1: A short video demonstrating the charging process and initial power-on of the projector.

4.2 Adjusting Projection Angle

The projector features an integrated stand on its base, allowing for angle adjustments up to 13 degrees. Simply adjust the stand to achieve your desired projection height and angle.



Figure 4: The adjustable stand on the bottom of the projector for angle customization.

4.3 Connectivity Ports

The rear of the projector provides various ports for connecting external devices:

- **HDMI:** Connect to laptops, gaming consoles, or other HDMI-enabled devices.
- **USB-A:** For connecting USB flash drives or other USB accessories.
- **Type-C:** Primarily for Power Delivery charging.



Figure 5: Overview of the projector's input/output ports.

5. OPERATING INSTRUCTIONS

5.1 Android TV 9.0 and App Access

The projector runs on Android TV 9.0, providing access to the Google Play Store. You can download and install a wide range of streaming applications and games directly onto the device.



Figure 6: The Android TV 9.0 interface with access to various applications.

5.2 Installing Netflix

To install Netflix, navigate to the Google Play Store and install the "Nebula Manager" app. Within "Nebula Manager", you

can then install Netflix. It is recommended to use the "Nebula Connect" app on your phone in mouse mode to control Netflix, as the remote control may have limited functionality with the mobile version of the Netflix app.

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Video 2: Instructions on how to install and use Netflix on the projector.

5.3 Screen Mirroring (iOS Devices)

For iOS devices (iPhone, iPad, MacBook), install the "AirScreen" app from the Google Play Store on your projector. Ensure both your projector and iOS device are connected to the same Wi-Fi network. Then, use the "Screen Mirroring" function on your iOS device to connect to the projector.

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Video 3: A guide on how to screen mirror and cast content from an iPhone to the projector.

5.4 USB Flash Drive Playback

To play movies or media from a USB flash drive, install a file management app (e.g., File Explorer, File Manager) and a video player from the Google Play Store. Insert your USB flash drive into the USB-A port and use the file manager to access and play your content.

5.5 Autofocus and Keystone Correction

The projector features 3-second autofocus. To trigger autofocus, slightly move the device or press the dedicated "focus" button on the remote. For keystone correction, the device supports auto vertical ($\pm 40^\circ$) and manual horizontal ($\pm 40^\circ$) and quadrilateral ($\pm 40^\circ$) adjustments. If the image is tilted, disable auto keystone correction via "Settings > Projector Settings > Keystone Correction" and manually adjust both vertical and horizontal keystone correction.



Figure 7: The autofocus feature ensures a clear image automatically.



Figure 8: Keystone correction allows for adjusting the image shape to be rectangular.

6. MAINTENANCE

To ensure the longevity and optimal performance of your projector, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the projector. For the lens, use a specialized lens cleaning cloth and solution. Avoid abrasive cleaners.
- **Storage:** Store the projector in a cool, dry place away from direct sunlight and extreme temperatures. If storing for extended periods, ensure the battery is partially charged (around 50%) to maintain battery health.
- **Ventilation:** Ensure the ventilation grilles are not obstructed during operation to prevent overheating.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your NEBULA Solar Portable Projector.

- **Netflix App Control Issues:** If the remote control has limited functionality with Netflix, use the "Nebula Connect" app on your smartphone in mouse mode for better navigation.
- **iOS Screen Mirroring Failure:** Ensure both the projector (with "AirScreen" installed) and your iOS device are connected to the same Wi-Fi network. Some protected content may not mirror due to DRM restrictions.
- **Image Tilted/Distorted:** If the projected image is tilted, turn off auto keystone correction via "Settings > Projector Settings > Keystone Correction" and manually adjust both vertical and horizontal keystone correction.
- **Battery Drains Quickly:** The projector offers different brightness modes. "Battery Mode" (80% volume, Wi-Fi off) provides up to 3 hours. "Standard Mode" offers 2 hours. Ensure the device is fully shut down (hold power button and select "Shut down") rather than just standby to prevent battery drain.
- **Fan Noise:** In "Normal Brightness Mode," the fan may be noticeable. For quieter operation, use the less-bright "Battery Mode."
- **App Compatibility/Performance:** Some apps may experience issues due to the Android TV 9.0 version. Ensure apps are updated to their latest versions.

8. SPECIFICATIONS





Feature	Detail
Product Dimensions	7.56 x 7.57 x 2.15 inches
Item Weight	2.77 pounds
Item Model Number	D2131
Batteries	1 Lithium Ion battery (included)
Display Technology	0.23DMD in 1080p DLP
Resolution	1920x1080
Brightness	400 ANSI lumens
LED Life	30,000 hours
Throw Ratio	1.2

Feature	Detail
Focus Adjustment	3-second autofocus
Keystone Correction	Auto (vertical $\pm 40^\circ$), Manual (horizontal $\pm 40^\circ$, Quadrilateral $\pm 40^\circ$)
HDMI	x 1
USB-A	x 1
Type-C	x 1 (Power Delivery charging)
RAM	2GB DDR
ROM	8GB eMMC
Battery	20,000mAh / 3.7v
Speaker	2x3W
Wi-Fi	Dual Frequency 2.4/5GHz
Bluetooth	BT4.2
Fan Noise	<30dB
OS	Android TV 9.0
Chromecast	Supported
Working Modes	Projector Mode, Bluetooth Speaker Mode
App Store	Google Play
Video Playtime	3 hours (battery mode); 2 hours (standard mode)
Charging Time	3 hours with Power Delivery 20V-3.25A
Audio Decode	Dolby supported
Video Decode	HDR10

9. WARRANTY AND SUPPORT

Your NEBULA Solar Portable Projector is covered by a manufacturer's warranty. For detailed warranty information, technical support, or service inquiries, please visit the official NEBULA brand store or contact customer support.

Official NEBULA Store: <https://www.amazon.com/stores/Nebula/page/A836DB9B-3AD4-4696-A071-A0A11B4E59A2>

<p>Getting the Best Out of Your Nebula Mars 3 Projector</p> <p>Congratulations on your purchase of a Nebula Mars 3 projector! Here are some tips to help you get the most out of your new device.</p> <p>Charging</p> <p>When using the projector for the first time, it is recommended to fully charge it using the provided AC adapter or by connecting it to a power source. This will ensure that the battery is fully charged.</p> <p>Power On / Off</p> <p>To turn on the projector, slide the touch sensor down. After 10 seconds, the Nebula Mars 3 will power on. To turn off the projector, slide the touch sensor up. This will ensure that the battery is fully charged.</p> <p>Mode Indicator</p> <p>The top status bar displays the remaining battery power of the projector at any time. When the battery is low, it will show the "Red" indicator to show the battery level.</p> <p>Power Indicator</p> <p>When the battery is low, it will show the "Red" indicator to show the battery level. For more details, please refer to the user manual.</p>	<p>Nebula Mars 3 Projector: User Guide and Tips for Optimal Performance</p> <p>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.</p>
<p>NEBULA by Anker</p>  <p>User Manual Nebula Mars 3 Air</p>	<p>Nebula Mars 3 Air User Manual</p> <p>Comprehensive user manual for the Nebula Mars 3 Air projector, covering setup, features, settings, and troubleshooting.</p>
<p>NEBULA by Anker</p>  <p>User Manual Nebula Solar / Nebula Solar Portable</p>	<p>Nebula Solar & Nebula Solar Portable User Manual: Setup, Features, and Troubleshooting</p> <p>This comprehensive user manual for the Nebula Solar and Nebula Solar Portable projectors from Anker provides detailed instructions on setup, operation, features like Android TV, connectivity options, settings, troubleshooting, and technical specifications.</p>
	<p>Nebula Solar / Nebula Solar Portable Quick Start Guide & Safety Information</p> <p>Get started quickly with your Nebula Solar or Nebula Solar Portable projector. This guide covers setup, operation, safety instructions, and compliance for Anker's Nebula projectors.</p>
	<p>Nebula Anker Capsule 3 Laser FAQ and Troubleshooting Guide</p> <p>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.</p>
<p>X'themm inkluz</p>  <ul style="list-style-type: none">• Nebula Capsule 3 Laser GTV• Remote• USB-C to USB-A adapter• Remote battery (3x AAA)• Quick start guide	<p>Nebula Capsule 3 Laser GTV User Manual and Setup Guide</p> <p>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.</p>

