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› Acer Nitro V Gaming Laptop ANV15-41 User Manual

Acer ANV15-41

Acer Nitro V Gaming Laptop ANV15-41 User Manual

Model: ANV15-41

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1. PRODUCT OVERVIEW

The Acer Nitro V Gaming Laptop ANV15-41 is designed for performance, featuring an AMD Ryzen 7-7735HS processor, NVIDIA GeForce RTX 3050 graphics, 16GB DDR5 RAM, and a 512GB NVMe SSD. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your device.



Figure 1: Key features of the Acer Nitro V Gaming Laptop.

2. INITIAL SETUP

2.1 Unboxing and Components

Carefully remove all components from the packaging. Ensure the following items are present:

- Acer Nitro V Gaming Laptop ANV15-41
- Power Adapter
- Battery (may be pre-installed)

2.2 Connecting Power

1. Connect the power adapter to the DC-in port on the laptop.
2. Plug the power cord into an electrical outlet.

2.3 First Power On and Windows Setup

Press the power button to turn on the laptop. Follow the on-screen instructions to complete the Windows 11 Home setup process. This includes selecting your region, connecting to a network, and creating a user account.

2.4 Network Connection

The laptop supports Wi-Fi 6. During Windows setup, you will be prompted to connect to a wireless network. Alternatively, you can connect via an Ethernet (RJ-45) cable for a wired connection.

3. OPERATING INSTRUCTIONS

3.1 Keyboard and Touchpad

The laptop features a backlit keyboard with a numeric keypad. The precision touchpad supports multi-touch gestures for navigation.



Figure 2: Keyboard layout with NitroSense key and precision touchpad.

3.2 Display Features

The 15.6-inch Full HD (1920 x 1080) IPS display offers a 144Hz refresh rate for smooth visuals, especially during gaming. It also features a 3ms overdrive response time.



Figure 3: Display features for enhanced gaming experience.

3.3 Ports and Connectivity

The laptop provides various ports for connecting external devices:

- **USB Ports:** 1 x USB 3.2 Gen 1 with power-off charging, 2 x USB 3.2 Gen 1, 1 x USB 4 (Type-C)
- **Video Output:** 1 x HDMI 2.1
- **Network:** Ethernet (RJ-45) port
- **Audio:** Headset jack
- **Security:** K-LOCK slot



Figure 4: Connectivity ports on the Acer Nitro V laptop.

3.4 Audio and Webcam

Experience DTS:X Ultra audio for immersive sound. The HD webcam (720p, 1280 x 720 resolution) with Acer PurifiedVoice™ and AI noise reduction ensures clear communication.

4. MAINTENANCE

4.1 Cleaning

Regularly clean the laptop's screen, keyboard, and chassis with a soft, lint-free cloth. For the screen, use a specialized screen cleaner. Avoid harsh chemicals or abrasive materials.

4.2 Cooling System

The laptop features an innovative dual-fan cooling system. Ensure the air vents are clear of obstructions to maintain optimal airflow and prevent overheating. Periodically clean dust from the vents using compressed air.

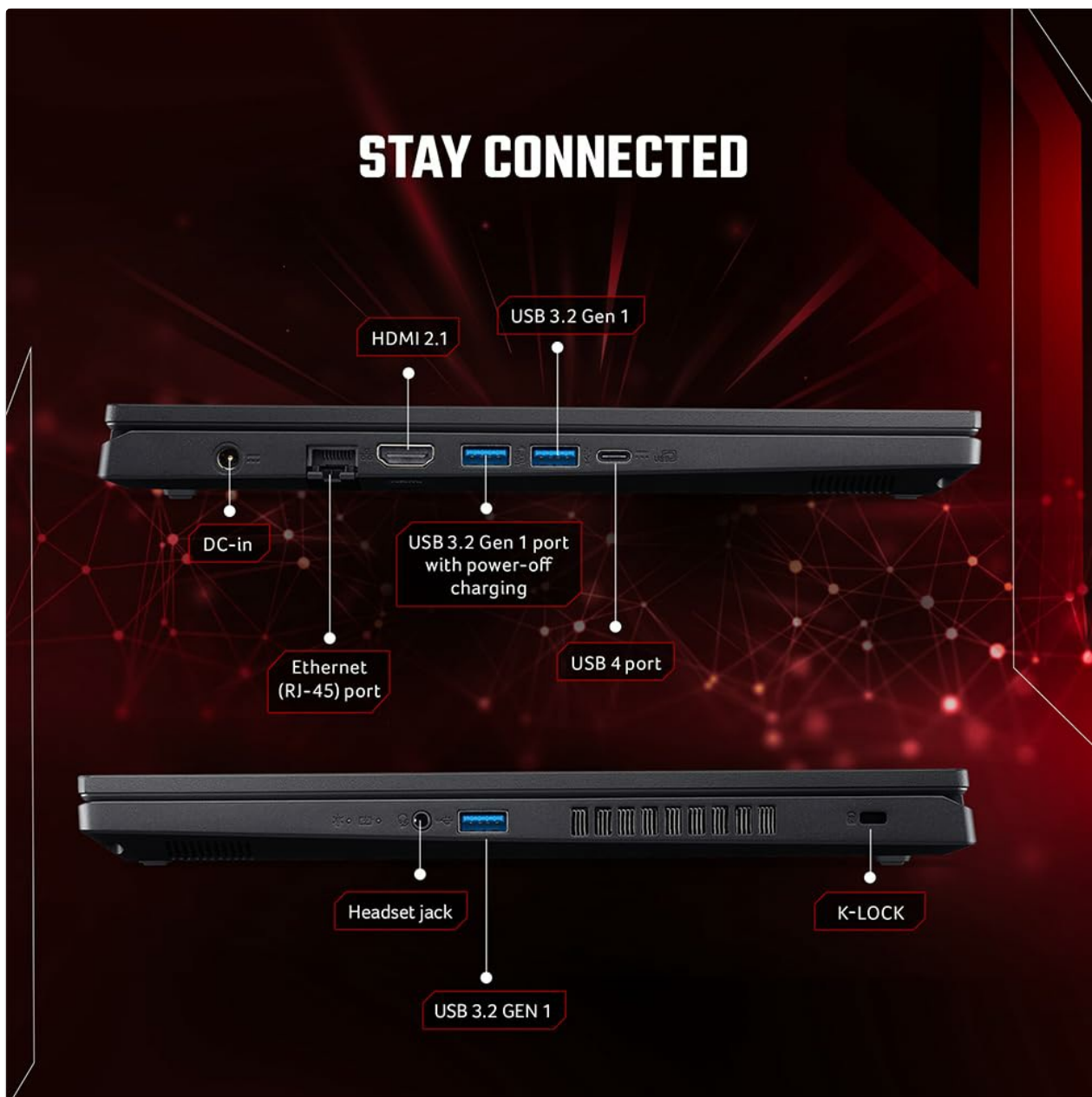


Figure 5: Dual-fan cooling system for efficient heat dissipation.

4.3 Battery Care

To prolong battery life, avoid fully discharging the battery frequently. It is recommended to keep the laptop plugged in when performing intensive tasks like gaming. If storing the laptop for an extended period, charge the battery to approximately 50-60%.

4.4 Software Updates

Keep your operating system, drivers, and BIOS updated to ensure system stability and performance. Check the Acer support website for the latest updates for your ANV15-41 model.

5. TROUBLESHOOTING COMMON ISSUES

5.1 Laptop Not Powering On

- Ensure the power adapter is securely connected to both the laptop and a working electrical outlet.

- Verify the power outlet is functional by plugging in another device.
- If the battery is completely drained, allow it to charge for a few minutes before attempting to power on.

5.2 Performance Issues or Slowdowns

- Close unnecessary background applications.
- Check for and install any pending Windows updates or driver updates.
- Ensure the cooling vents are not blocked and the laptop is not overheating. Use the NitroSense utility to monitor temperatures and adjust fan speeds.
- Run a system scan for malware or viruses.

5.3 Display Problems

- If the screen is blank, try connecting an external monitor to determine if the issue is with the laptop's display or graphics card.
- Adjust display brightness using the keyboard function keys.
- Update graphics drivers.

5.4 Battery Draining Quickly

- Adjust power settings in Windows to a more power-efficient mode.
- Reduce screen brightness.
- Close applications running in the background that consume significant power.
- Ensure the laptop is not running hot, as high temperatures can affect battery performance.

6. TECHNICAL SPECIFICATIONS

Feature	Specification
Model Name	Nitro V ANV15-41
Processor	AMD Ryzen 7-7735HS (Octa-core, 3.2 GHz base, up to 4.75 GHz max boost)
Graphics	NVIDIA GeForce RTX 3050 with 6 GB GDDR6 Dedicated Graphics
RAM Memory	16 GB DDR5 (Upgradable up to 32 GB)
Storage	512 GB PCIe Gen4 NVMe SSD (Supports up to 2 TB with dual M.2 slot)
Operating System	Windows 11 Home
Display	15.6-inch Full HD (1920 x 1080) IPS, 144 Hz Refresh Rate
Wireless Connectivity	Wi-Fi 6, Bluetooth
Ports	1x USB 3.2 Gen 1 (power-off charging), 2x USB 3.2 Gen 1, 1x USB 4 (Type-C), 1x HDMI 2.1, 1x Ethernet (RJ-45), 1x Headset jack
Webcam	T-Type HD camera (720p)

Keyboard	Backlit keyboard with numeric keypad
Battery Life	Up to 6 Hours (Lithium Ion, 57 Watt Hours)
Weight	2.1 Kilograms
Dimensions (L x W x Thickness)	24L x 36.2W x 2.4Th Centimeters

7. WARRANTY AND SUPPORT

7.1 Warranty Information

This Acer Nitro V Gaming Laptop ANV15-41 comes with a **1 Year Manufacturer Warranty**. Please refer to the warranty card included with your product for detailed terms and conditions.

7.2 Manufacturer and Importer Information

- **Manufacturer:** Acer, Compal Electronics Pvt Ltd, No.D01, Zone D, Air Port Section of LiangLu CunTan Free Trade Port Area, YuBei District, Chongqing, China
- **Importer:** ACER INDIA PRIVATE LIMITED Embassy Heights, 6th Floor, No. 13 Magrath Road, Next to HOSMAT Hospital, Bangalore, INDIA – 560025

7.3 Customer Support

For technical assistance, warranty claims, or further inquiries, please visit the official Acer support website or contact their customer service. Keep your product's serial number and proof of purchase readily available when contacting support.