

Acer AN715-51-752B

Acer Nitro 7 Gaming Laptop AN715-51-752B User Manual

Model: AN715-51-752B

INTRODUCTION

This manual provides essential information for the proper setup, operation, maintenance, and troubleshooting of your Acer Nitro 7 Gaming Laptop, model AN715-51-752B. Please read this guide thoroughly to ensure optimal performance and longevity of your device.

SETUP

Unpacking and Initial Inspection

Carefully remove the laptop and all accessories from the packaging. Inspect for any signs of damage. The package should contain the laptop, AC adapter, and power adapter.

Connecting the Power Adapter

1. Connect the AC adapter cable to the power adapter.
2. Plug the power adapter into the power input port on the side of your laptop.
3. Plug the power cord into a grounded electrical outlet.

It is recommended to fully charge the battery before initial use.

First Power On

Open the laptop lid and press the power button. The laptop will boot up and guide you through the initial Windows 10 Home setup process. Follow the on-screen instructions to configure your operating system, network connection, and user accounts.



Image: The Acer Nitro 7 Gaming Laptop, showcasing its design and display.

OPERATING YOUR LAPTOP

Keyboard and Touchpad

The laptop features a backlit keyboard for enhanced visibility in low-light conditions. The touchpad supports multi-touch gestures for navigation.



Image: A close-up view of the backlit keyboard and touchpad.

Display

Your laptop is equipped with a 15.6-inch Full HD (1920 x 1080) widescreen LED-backlit IPS display. Adjust brightness and display settings through Windows display options.

Audio

The laptop includes two built-in stereo speakers with Acer True Harmony Technology and Waves MaxxAudio sound technology. Acer Purified.Voice technology with two built-in microphones enhances communication.

Connectivity

- **Wireless:** Intel Wireless-AC 9560 802.11ac Gigabit WiFi (Dual-Band 2.4GHz and 5GHz) and Bluetooth 5.0.
- **Wired:** 10/100/1000 Gigabit Ethernet LAN (RJ-45 port).
- **Ports:** 1 x USB 3.1 Type C Gen 1 port, 2 x USB 3.1 Gen 1 Ports (one with Power-off Charging), 1 x USB 2.0 port, 1 x HDMI 2.0 Port with HDCP Support.



Image: The left side of the laptop, illustrating the USB-C, USB 3.1, HDMI, and Ethernet ports.



Image: The right side of the laptop, showing the USB 2.0 and audio jack ports.

Performance Management with NitroSense

The NitroSense application allows you to monitor system performance, manage fan speeds, and adjust power plans to optimize your gaming and computing experience. It can automatically adjust fan speeds based on system load or allow manual control.



Image: Screenshot of the NitroSense application, displaying CPU and GPU temperatures, fan RPM, and power plan options.

Your browser does not support the video tag.

Video: A 360-degree view of the Acer Nitro 7 laptop, highlighting its design and various angles.

MAINTENANCE

Cleaning Your Laptop

- Use a soft, lint-free cloth to clean the screen. Avoid harsh chemicals.
- Gently wipe the keyboard and chassis with a slightly damp cloth.
- Periodically clean the ventilation grilles to prevent dust buildup, which can affect cooling performance.

Battery Care

To prolong battery life, avoid fully discharging the battery frequently. Store the laptop in a cool, dry place if not used for extended periods. The typical battery life is up to 7 hours.

Storage and Upgrades

The laptop comes with a 512GB PCIe NVMe SSD. It features two PCIe M.2 slots (one available) and one available hard drive bay for easy storage upgrades.



Image: An internal diagram highlighting the Intel CPU, NVIDIA GPU, and the dual M.2 PCIe SSD design for storage expansion.

TROUBLESHOOTING

Battery Not Charging

If your laptop battery is not charging, try the following steps:

1. Ensure the AC adapter is securely connected to both the laptop and a working power outlet.
2. Unplug the AC adapter, hold the power button for 30 seconds, then plug it back in and restart the laptop.
3. Check the power adapter and cable for any visible damage.
4. Ensure all system updates are installed, as outdated drivers or software can sometimes cause power management issues.

If the issue persists, contact Acer support.

NitroSense App Not Working

If the NitroSense application is not functioning correctly:

- Ensure all Windows updates are installed.
- Verify that Acer Quick Access and Acer Care Center applications are installed and up to date.
- Reinstall the NitroSense application from the official Acer support website if necessary.

Overheating

While gaming or under heavy load, the laptop may become warm. This is normal. If the laptop feels excessively hot or performance degrades:

- Ensure the ventilation grilles are clear and unobstructed.
- Use the NitroSense application to increase fan speeds.
- Operate the laptop on a hard, flat surface to allow for proper airflow.

SPECIFICATIONS

Feature	Detail
Model Name	AN715-51-752B
Processor	9th Gen Intel Core i7-9750H 6-Core (up to 4.5GHz)
Graphics	NVIDIA GeForce GTX 1650 with 4GB GDDR5 VRAM
Display	15.6" Full HD (1920 x 1080) IPS LED-backlit (300nit, 72% NTSC)
RAM	16GB DDR4 (expandable up to 32GB)
Storage	512GB PCIe NVMe SSD (2 x M.2 slots, 1 available; 1 x HDD bay available)
Operating System	Windows 10 Home
Wireless Connectivity	Intel Wireless-AC 9560 802.11ac Gigabit WiFi, Bluetooth 5.0
Wired Connectivity	10/100/1000 Gigabit Ethernet LAN (RJ-45)
Ports	1x USB 3.1 Type C Gen 1, 2x USB 3.1 Gen 1, 1x USB 2.0, 1x HDMI 2.0
Audio	Waves MaxxAudio, Acer True Harmony, Dual Stereo Speakers, Dual Microphones
Keyboard	Backlit Keyboard
Battery Life	Up to 7 hours
Weight	5.51 lbs (2.5 kg)

WARRANTY INFORMATION

Your Acer Nitro 7 Gaming Laptop comes with a **One-year International Travelers Limited Warranty (ITW)**. For detailed terms and conditions, please refer to the warranty card included with your product or visit the official Acer support website.

SUPPORT

For further assistance, technical support, or driver downloads, please visit the official Acer support website. You can also find FAQs and community forums there.

Acer Support Website: www.acer.com/support

