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> Acer Nitro 5 AN517-51-56YW Laptop User Manual

## acer AN517-51-56YW

# Acer Nitro 5 AN517-51-56YW Laptop User Manual

Brand: acer | Model: AN517-51-56YW

## INTRODUCTION

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Welcome to the user manual for your Acer Nitro 5 AN517-51-56YW laptop. This guide provides essential information for setting up, operating, maintaining, and troubleshooting your device. The Acer Nitro 5 is designed for immersive multimedia experiences, featuring an Intel Core i5-9300H processor, 8GB RAM, a 512GB SSD, and an NVIDIA GeForce GTX 1650 graphics card, all displayed on a 17.3-inch Full HD screen.

## PRODUCT OVERVIEW

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### Key Features

- Windows 10 Home Operating System
- NVIDIA GeForce GTX 1650 4GB Dedicated Graphics
- 9th Gen Intel Core i5-9300H Processor
- 17.3-inch Full HD Display (1920x1080 Max Resolution)
- 8GB DDR4 SDRAM
- 512GB Solid State Drive (SSD)
- Bluetooth Wireless Connectivity
- HDMI Output

### Component Identification

Familiarize yourself with the various components and ports of your Acer Nitro 5 laptop.



Front view of the Acer Nitro 5 laptop, showcasing its 17.3-inch display and red backlit keyboard. The screen is active, showing the Windows 10 operating system interface.



Left side view of the Acer Nitro 5 laptop, highlighting the various ports including USB, HDMI, and an Ethernet port.



Top-down view of the Acer Nitro 5 laptop, focusing on the red backlit keyboard layout and the integrated touchpad.

## SETUP

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### Unboxing and Initial Inspection

Carefully remove the laptop and all accessories from the packaging. Inspect for any physical damage.

### Connecting Power

1. Connect the AC adapter to the power jack on the laptop.
2. Plug the power cord into an electrical outlet.
3. Allow the battery to charge for at least 30 minutes before first use.

### First Boot and Windows Setup

1. Open the laptop lid and press the power button, typically located on the top right of the keyboard.
2. Follow the on-screen instructions to complete the Windows 10 Home setup process. This includes selecting your region, connecting to a network, and creating a user account.

## OPERATING INSTRUCTIONS

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### Power On/Off

To power on, press the power button. To shut down, click the Start button, then Power, and select "Shut down."

### Keyboard and Touchpad

The laptop features a full-size keyboard with red backlighting. The integrated touchpad supports multi-touch gestures for navigation.

## Connecting Peripherals

Use the available USB ports to connect external devices such as mice, keyboards, or external storage. The HDMI port allows connection to an external display.

## Display Settings

To adjust display settings, right-click on the desktop and select "Display settings." Here you can change resolution, scale, and multiple display configurations.

## MAINTENANCE

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### Cleaning

Use a soft, lint-free cloth to clean the screen and exterior surfaces. For stubborn marks, dampen the cloth slightly with water or a screen cleaner. Avoid harsh chemicals.

### Battery Care

To prolong battery life, avoid fully discharging the battery frequently. Store the laptop in a cool, dry place when not in use for extended periods.

### Software Updates

Regularly check for and install Windows updates and driver updates for your NVIDIA graphics card and other components to ensure optimal performance and security.

### Storage Management

Periodically review and delete unnecessary files to maintain sufficient free space on your 512GB SSD for optimal system performance.



Rear view of the Acer Nitro 5 laptop, highlighting the prominent cooling vents designed to dissipate heat during operation.

# TROUBLESHOOTING

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This section addresses common issues you might encounter.

## Laptop Does Not Power On

- Ensure the AC adapter is securely connected to both the laptop and a working power outlet.
- Verify the power outlet is functional by plugging in another device.
- If the battery is completely drained, allow it to charge for a period before attempting to power on.

## Display Issues

- If the screen is blank, try pressing **Fn + F6** (or the appropriate function key with a display icon) to toggle display output.
- Ensure external monitors are properly connected and powered on.

## Keyboard or Touchpad Not Responding

- Restart the laptop.
- Check for any physical obstructions.
- Ensure drivers are up to date via Windows Update or Acer's support website.

## Performance Slowdown

- Close unnecessary applications running in the background.
- Check Task Manager for processes consuming high CPU or RAM.
- Ensure sufficient free space on the SSD.
- Run a virus scan.

# SPECIFICATIONS

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Feature	Detail
Brand	acer
Model Name	Acer Nitro (AN517-51-56YW)
Operating System	Windows 10 Home
Processor	Intel Core i5-9300H (2.4 GHz)
RAM	8 GB DDR4 SDRAM
Hard Drive	512 GB SSD
Graphics Coprocessor	NVIDIA GeForce GTX 1650
Graphics Card Ram Size	4 GB Dedicated
Screen Size	17.3 Inches

Feature	Detail
Max Screen Resolution	1920x1080 pixels
Wireless Type	Bluetooth
Item Weight	5.73 pounds
Product Dimensions	11 x 15.9 x 1 inches
Color	Black
Power Source	Battery Powered
Batteries	1 Lithium Metal battery (included)

## WARRANTY AND SUPPORT

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For detailed warranty information, please refer to the documentation included with your product or visit the official Acer support website.

You can find additional support and product information on the [Acer Store on Amazon](#).