Acer N60-640-UR14

Acer Nitro 60 N60-640-UR14 Gaming Desktop User Manual

Model: DG.E4BAA.005 | Brand: Acer

1. Introduction

This manual provides essential information for setting up, operating, maintaining, and troubleshooting your Acer Nitro 60 N60-640-UR14 Gaming Desktop. Please read this guide thoroughly before using your new system to ensure optimal performance and longevity.



Figure 1.1: Front view of the Acer Nitro 60 Gaming Desktop, showcasing its sleek design and vibrant aRGB LED fans.

2. What's in the Box

Verify that all components are present in the packaging:

- Desktop Unit
- USB Keyboard
- USB Mouse
- External Wi-Fi Antenna
- Power Cord



Figure 2.1: The Acer Nitro 60 Gaming Desktop, accompanied by the included USB keyboard and mouse.

3. Setup Guide

3.1 Initial Setup

Follow these steps to set up your Acer Nitro 60 Gaming Desktop:

1. **Placement:** Position the desktop on a stable, flat surface with adequate ventilation. Ensure no vents are obstructed.
2. **Connect Monitor:** Connect your monitor to the NVIDIA GeForce RTX 4070 Super graphics card using an HDMI or DisplayPort cable. The graphics card has 3 x Display Ports 1.4a and 1 x HDMI 2.1a Port.
3. **Connect Peripherals:** Plug the USB keyboard and USB mouse into any available USB ports on the desktop.
4. **Connect Wi-Fi Antenna:** Attach the external Wi-Fi antenna to the designated port on the rear of the desktop for optimal wireless connectivity.
5. **Connect Power:** Connect the power cord to the desktop's power input and then to a grounded electrical outlet.



Figure 3.1: The Acer Nitro 60 Gaming Desktop set up with a compatible monitor, ready for use.

4. Operating Instructions

4.1 Powering On/Off

- **Power On:** Press the power button located on the top front of the desktop. The system will boot into Windows 11 Home.
- **Power Off:** To shut down, click the Start button in Windows, then select Power > Shut down. Avoid direct power disconnection during operation to prevent data loss.

4.2 Connectivity

The Acer Nitro 60 offers a variety of ports for connecting peripherals and network access:

- **USB Ports:**
  - 2 x USB 3.2 Gen1 5 Gbps Type A Ports (Top)
  - 1 x USB 3.2 Gen2 10 Gbps Type A Port (Rear)
  - 1 x USB 3.2 Gen2x2 20 Gbps, Type-C Port (Rear)
  - 4 x USB 2.0 480 Mbps Ports (Rear)
- **Audio Jacks:**
  - 2 x Audio Jacks (Top)
  - 3 x Audio Jacks (Rear)
- **Network:**
  - Realtek 802.11ac Wi-Fi (supporting dual-stream 2.4GHz and 5GHz bands)
  - Realtek Gigabit Ethernet (1 x RJ-45 Ethernet Port)



Figure 4.1: Top panel of the Acer Nitro 60, featuring convenient USB and audio ports for easy access.

5. Maintenance

5.1 Cooling System

The Acer Nitro 60 features a reliable ARGB Lighting CPU Cooler with high airflow blades and U-shape copper heat pipes to maintain optimal temperatures. To ensure efficient cooling:

- Ensure proper airflow around the desktop. Do not block the front, top, or rear vents.
- Regularly clean dust from the exterior vents using compressed air or a soft brush.



Figure 5.1: Internal view of the Acer Nitro 60, highlighting the cooling system and internal components.

5.2 General Care

- Keep the desktop in a clean, dry environment away from direct sunlight and extreme temperatures.
- Avoid placing heavy objects on top of the desktop.
- Clean the exterior with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.

6. Troubleshooting

This section addresses common issues you might encounter:

Problem	Possible Cause	Solution
Desktop does not power on.	Power cord not connected, power outlet issue, or power supply failure.	Ensure power cord is securely connected to both desktop and outlet. Test outlet with another device.
No display on monitor.	Monitor cable loose, incorrect input selected on monitor, or graphics card issue.	Check monitor cable connections. Ensure monitor is set to correct input source (HDMI/DisplayPort).
No internet connection (Wi-Fi).	Wi-Fi antenna not connected, Wi-Fi disabled in Windows, or router issue.	Ensure external Wi-Fi antenna is connected. Check Wi-Fi settings in Windows. Restart router.
System is slow or unresponsive.	Too many applications running, insufficient RAM, or malware.	Close unnecessary applications. Check Task Manager for resource usage. Run antivirus scan.

7. Technical Specifications

Feature	Specification
Model Name	Acer Nitro 60 N60-640-UR14
Processor	Intel Core i7-14700F 20-Core Processor (Up to 5.4GHz)
Graphics Card	NVIDIA GeForce RTX 4070 Super with 12 GB GDDR6X Video Memory
RAM	32GB DDR5 Memory (expandable to 192GB)
Storage	2 TB PCIe 4.0 NVMe SSD
Operating System	Windows 11 Home
Wireless Connectivity	Realtek 802.11ac Wi-Fi, Bluetooth
Ethernet	Realtek Gigabit Ethernet
USB Ports	1x USB 3.2 Gen2x2 Type-C (Rear), 1x USB 3.2 Gen2 Type A (Rear), 2x USB 3.2 Gen1 Type A (Top), 4x USB 2.0 (Rear)
Audio Ports	2x Audio Jacks (Top), 3x Audio Jacks (Rear)
Video Output	3x Display Ports 1.4a, 1x HDMI 2.1a Port
Dimensions (LxWxH)	14.9 x 8.5 x 15.9 inches

Feature	Specification
Weight	25 pounds

8. Warranty and Support

8.1 Warranty Information

Your Acer Nitro 60 Gaming Desktop comes with a standard manufacturer's warranty. Please refer to the warranty card included with your product for specific terms, conditions, and duration. Keep your proof of purchase for warranty claims.

8.2 Customer Support

For technical assistance, troubleshooting beyond this manual, or warranty service, please contact Acer customer support. You can find contact information and additional resources on the official Acer website or by visiting the Acer Store on Amazon.

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