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ASUS Strix G17

ASUS ROG Strix G17 Gaming Laptop User Manual

Model: Strix G17

1. Introduction

This manual provides essential information for setting up, operating, maintaining, and troubleshooting your ASUS ROG Strix G17 Gaming Laptop. Please read this manual thoroughly to ensure proper usage and to maximize your device's performance and longevity.

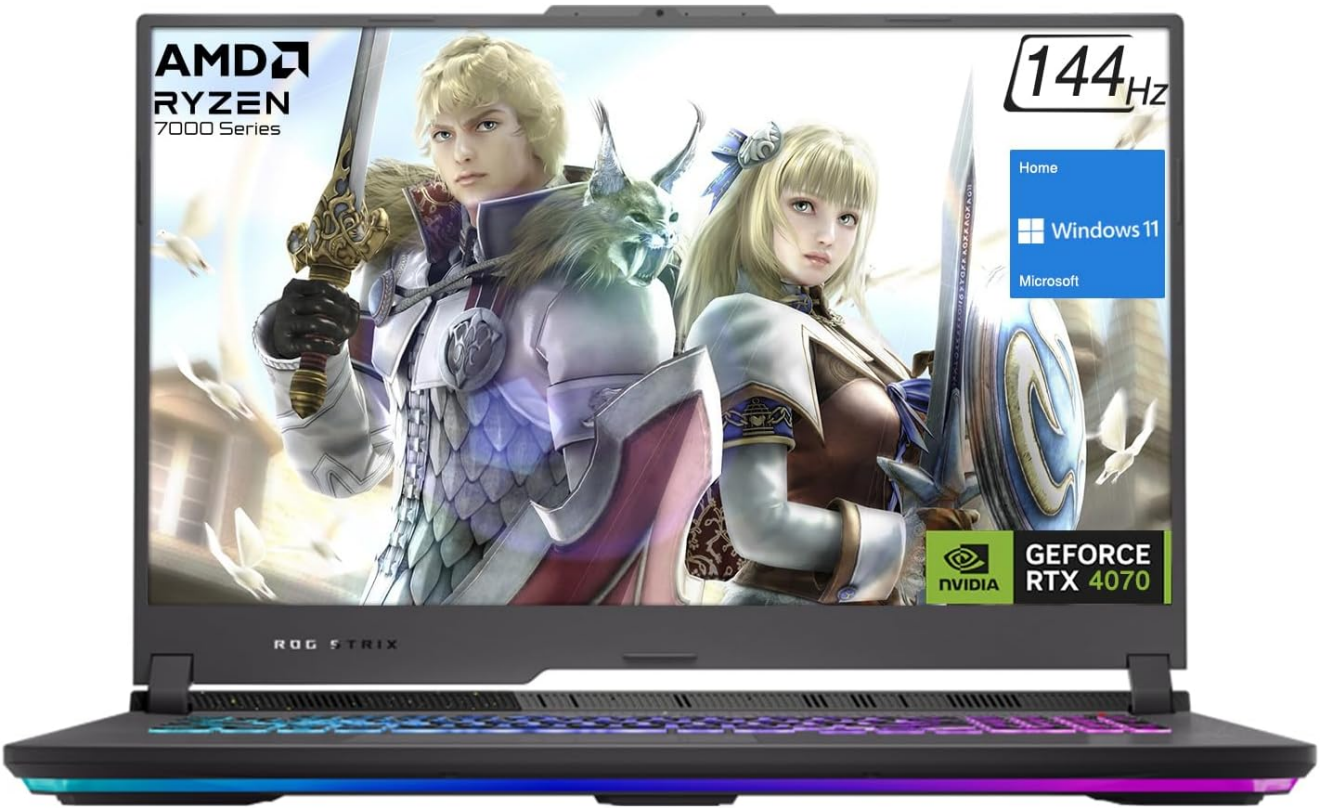


Figure 1.1: ASUS ROG Strix G17 Gaming Laptop

2. Package Contents

Upon opening your ASUS ROG Strix G17 Gaming Laptop package, verify that all items listed below are present and in good condition:

- ASUS ROG Laptop
- Power Adapter
- Power Cord

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Video 2.1: Official Unboxing Video for ROG Strix G17, demonstrating the contents and initial setup of the laptop.

3. Product Overview

3.1 Key Features

- **High-Performance Components:** Equipped with AMD Ryzen 9 7845HX Processor and NVIDIA GeForce RTX 4070 GPU for demanding tasks and gaming.
- **Fast Memory and Storage:** Features 32GB DDR5 RAM and a 1TB PCIe NVMe M.2 Solid State Drive for quick boot-up and application loading.
- **High Refresh Rate Display:** A 17.3-inch Full HD (1920 x 1080) anti-glare display with a 144Hz refresh rate for smooth visuals.
- **Advanced Cooling:** ROG Intelligent Cooling system with Conductonaut Extreme liquid metal on the CPU and Arc Flow Fans for efficient heat dissipation.
- **Comprehensive Connectivity:** Includes USB 3.2 Gen 2 Type-C (with DisplayPort / power delivery / G-SYNC support), USB 3.2 Gen 1 Type-A, HDMI 2.1 FRL, RJ45 LAN port, and Wi-Fi 6.
- **RGB Backlit Keyboard:** Features an RGB backlit keyboard for customizable lighting.



Figure 3.1: Performance features of the ROG Strix G17.



Figure 3.2: ROG Intelligent Cooling system details.



Figure 3.3: RGB Backlit Keyboard features.

3.2 Ports and Connectors

The ASUS ROG Strix G17 offers a variety of ports for connecting peripherals and external displays:

- 1x 3.5mm Combo Audio Jack
- 1x HDMI 2.1 FRL
- 1x USB 3.2 Gen 2 Type-C (supporting DisplayPort / power delivery / G-SYNC)
- 2x USB 3.2 Gen 1 Type-A
- 1x USB 3.2 Gen 2 Type-C (supporting DisplayPort / G-SYNC)
- 1x RJ45 LAN port



Figure 3.4: Comprehensive Connectivity Ports.

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Video 3.1: ROG Strix 17 Series overview, showcasing various features and performance capabilities of the laptop.

4. Setup

4.1 Initial Power-On

1. Unpack the laptop and all accessories from the box.
2. Connect the power adapter to the laptop's power input port and then plug it into a power outlet.
3. Open the laptop lid. The laptop may power on automatically, or you may need to press the power button.
4. Follow the on-screen instructions to complete the Windows 11 Home setup process, including language selection, network connection, and user account creation.

4.2 Connecting to a Network

To connect to the internet:

- **Wi-Fi:** During Windows setup or via the Windows Settings, select your Wi-Fi network and enter the password. The laptop supports Wi-Fi 6.
- **Wired (Ethernet):** Connect an Ethernet cable from your router or modem to the RJ45 LAN port on the laptop.

5. Operating Instructions

5.1 Basic Usage

- **Power On/Off:** Press the power button to turn on. To shut down, click the Start button, then Power > Shut down.
- **Sleep Mode:** Close the lid or press the power button briefly to enter sleep mode.
- **Keyboard Backlighting:** Adjust RGB keyboard backlighting settings through the ASUS Armoury Crate software or dedicated function keys.
- **Display Settings:** Adjust resolution, refresh rate (144Hz), and other display options via Windows Display Settings.

5.2 Audio Features

The laptop features Studio-Quality Sound with 5.1.2 Channel Virtual Surround Sound, Two-Way AI Noise Cancellation, Dolby Atmos, and Hi-Res Audio support.



Figure 5.1: Studio-Quality Sound features.

6. Maintenance

6.1 Cleaning

- Use a soft, lint-free cloth to clean the screen and chassis. Avoid harsh chemicals.
- Regularly clean the keyboard and vents to prevent dust buildup, which can affect cooling performance.

6.2 Battery Care

The laptop is equipped with a 90W battery. 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.
- Utilize power-saving modes in Windows 11.



Figure 6.1: Battery and Charging features.

6.3 Software Updates

Regularly update your Windows operating system, drivers, and ASUS software (e.g., Armoury Crate) to ensure optimal performance and security.

7. Troubleshooting

7.1 Common Issues and Solutions

- **Laptop not powering on:** Ensure the power adapter is securely connected and the power outlet is functional. Try a different outlet.
- **Wi-Fi connectivity issues:** Check if Wi-Fi is enabled in Windows settings. Restart your router and the laptop. Ensure drivers are up to date. If issues persist, consider using a wired Ethernet connection.
- **Overheating:** Ensure the laptop's vents are not obstructed. Use the laptop on a hard, flat surface. Adjust fan profiles in ASUS Armoury Crate.
- **Poor performance:** Close unnecessary background applications. Ensure drivers are updated. Check for

malware. Adjust power settings to 'High Performance'.

- **Display problems:** Check display cable connections if using an external monitor. Update graphics drivers. Adjust display settings in Windows.

8. Specifications

Feature	Specification
Brand	ASUS
Model Name	Strix G17
Screen Size	17.3 Inches
Screen Resolution	1920 x 1080 pixels
Max Screen Resolution	1920x1080 Pixels
Processor	AMD Ryzen 9 7845HX (up to 5.2 GHz)
RAM	32 GB DDR5 (4800 MHz)
Hard Drive	1 TB SSD (PCIe M.2)
Graphics Coprocessor	NVIDIA GeForce RTX 4070 (8 GB GDDR6)
Wireless Type	802.11ax (Wi-Fi 6)
Operating System	Windows 11 Home
Item Weight	6.17 pounds
Product Dimensions	15.55 x 11.1 x 0.92 inches
Color	Black

9. Warranty and Support

Your ASUS ROG Strix G17 Gaming Laptop comes with a manufacturer's warranty. For detailed warranty terms and conditions, please refer to the warranty card included in your package or visit the official ASUS support website. For technical support, driver downloads, and further assistance, please visit theASUS Support Website.
You may also consider purchasing extended protection plans for additional coverage:

- 4-Year Protection Plan
- 2-Year Protection Plan
- Complete Protect (monthly plan)

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