ASUS ASUS ROG Strix G15

ASUS ROG Strix G15 Advantage Edition Gaming Laptop User Manual

PRODUCT OVERVIEW

The ASUS ROG Strix G15 Advantage Edition is a high-performance gaming laptop designed for demanding tasks. It features an AMD Ryzen 9 5980HX processor and Radeon RX 6800M graphics, enhanced by AMD SmartShift and Smart Access Memory technologies for optimized performance. The laptop is equipped with a 15.6-inch QHD (2560 x 1440) anti-glare IPS display with a 165Hz refresh rate and 3ms response time, ensuring smooth visuals. Key features include an RGB backlit keyboard, Wi-Fi 6, Bluetooth 5.1, and a robust port selection for connectivity.
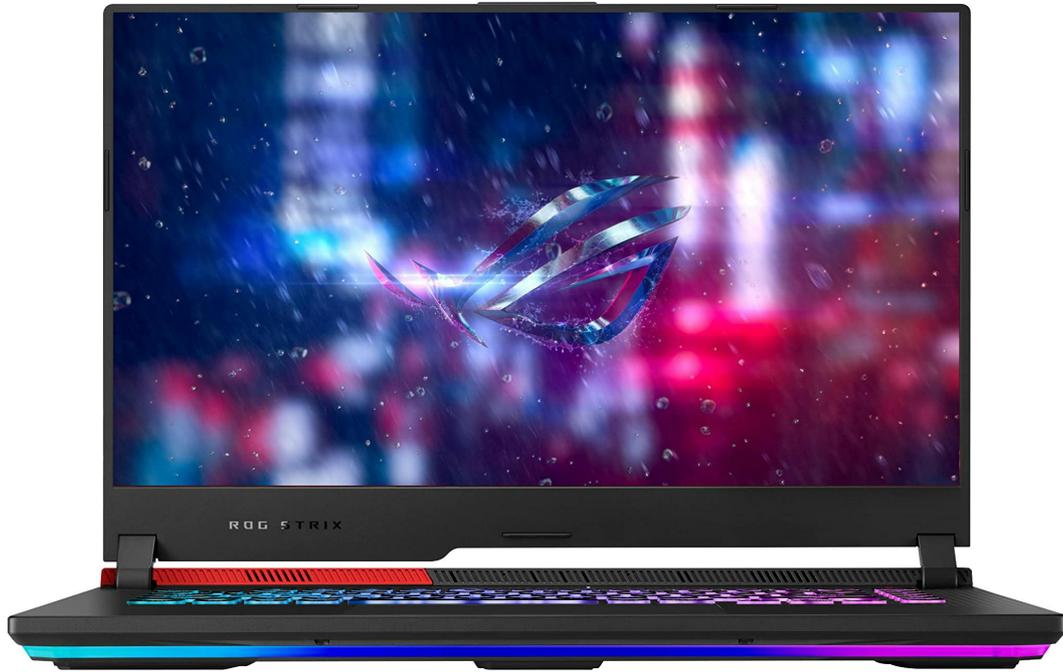
Image: Front view of the ASUS ROG Strix G15 Advantage Edition Gaming Laptop, highlighting the RGB backlit keyboard and display.

PACKAGE CONTENTS

Upon opening your ASUS ROG Strix G15 Advantage Edition package, verify that all the following items are present:

- ASUS ROG Strix G15 Advantage Edition Gaming Laptop
- Power Adapter and Cable
- Documentation (Quick Start Guide, Warranty Card)
- 32GB Micro SD Card (if bundled)

Image: The ASUS ROG Strix G15 laptop shown alongside a bundled 32GB Micro SD card.

SETUP

Initial Power On

1. Connect the power adapter to the laptop's power input and then to a wall outlet.
2. Open the laptop lid.
3. Press the power button, typically located on the top-right side of the keyboard deck.
4. Follow the on-screen instructions to complete the initial setup of Microsoft Windows 11 Home.

Connecting Peripherals

The laptop offers various ports for connecting external devices:

- **HDMI 2.0b:** For connecting to external displays or TVs.
- **USB 3.2 Gen 1 Type-A (x3):** For standard USB devices like mice, keyboards, or external storage.
- **USB 3.2 Gen 2 Type-C:** Supports DisplayPort for video output and high-speed data transfer.
- **RJ45 LAN port:** For wired network connectivity.
- **Combo headphone/mic port:** For audio input and output.

Image: Left side view of the laptop, illustrating the available ports for connecting peripherals.

OPERATING INSTRUCTIONS

Display Features

The 15.6-inch QHD (2560 x 1440) display features an anti-glare coating to reduce reflections. With a 165Hz refresh rate and 3ms IPS response time, it provides a fluid visual experience, particularly beneficial for fast-paced gaming. AMD FreeSync Premium technology is integrated to synchronize the display's refresh rate with the GPU's frame rate, minimizing screen tearing and stuttering.

Keyboard and Lighting

The laptop features an RGB backlit keyboard and an RGB light bar. These lighting elements can be customized through the pre-installed ASUS Armoury Crate software to match your preferences or game profiles.

Performance Modes

The ASUS ROG Strix G15 Advantage Edition utilizes exclusive AMD SmartShift and Smart Access Memory technologies. These features dynamically allocate power between the CPU and GPU and allow the CPU full access to the GPU's memory, respectively, to boost performance for various tasks, including gaming and content creation. Performance modes can be adjusted via the ASUS Armoury Crate software.

Wireless Connectivity

The laptop supports Wi-Fi 6 (802.11ax) for high-speed wireless internet access and Bluetooth 5.1 for connecting wireless peripherals such as headphones, mice, and game controllers.

MAINTENANCE

General Care

- **Cleaning:** Use a soft, lint-free cloth to clean the screen and chassis. For stubborn marks, a slightly dampened cloth with water or a mild, non-abrasive cleaner designed for electronics can be used. Avoid spraying liquids directly onto the laptop.
- **Ventilation:** Ensure that the laptop's ventilation openings are not obstructed. Operating the laptop on soft surfaces like beds or carpets can restrict airflow and lead to overheating.
- **Liquid Spills:** Keep liquids away from the laptop. In case of a spill, immediately power off the device, disconnect the power adapter, and contact customer support.

Software Updates

Regularly update your operating system (Windows 11) and device drivers (graphics, chipset, etc.) to ensure optimal performance, security, and compatibility. Updates can be managed through Windows Update and the ASUS Armoury Crate software.

TROUBLESHOOTING

Common Issues and Solutions

- **Overheating:** If the laptop feels excessively hot or fans are constantly running at high speed, ensure that the ventilation vents are clear and the laptop is used on a hard, flat surface. Consider adjusting performance profiles in Armoury Crate to a less aggressive setting if not actively gaming.
- **Performance Drops:** Check if multiple demanding applications are running simultaneously. Ensure that the laptop is connected to power and set to a high-performance power plan. Update graphics drivers and check for background processes consuming resources.
- **Display Issues:** If the screen flickers or shows artifacts, update your graphics drivers. If using an external monitor, ensure the cable connection is secure and try a different cable or port.
- **No Built-in Camera:** Please note that this specific model of the ASUS ROG Strix G15 Advantage Edition does not include an integrated webcam. An external USB webcam is required for video conferencing or streaming.

SPECIFICATIONS

Feature	Detail
Standing screen display size	15.6 Inches
Screen Resolution	2560 x 1440 pixels
Max Screen Resolution	2560x1440 Pixels
Processor	3.3 GHz ryzen_9 (AMD Ryzen 9 5980HX)
RAM	16 GB DDR4

Memory Speed	4.6 GHz
Hard Drive	512 GB SSD (PCIe NVMe)
Graphics Coprocessor	Radeon RX 6800M Graphics
Chipset Brand	AMD
Graphics Card Ram Size	12 GB
Wireless Type	802.11ax (Wi-Fi 6)
Bluetooth	Bluetooth 5.1
Series	ASUS ROG Strix G15
Item model number	ASUS ROG Strix G15
Hardware Platform	PC
Operating System	Windows 11 Home
Item Weight	5.5 pounds
Product Dimensions	13.9 x 10.2 x 1.07 inches
Color	Black
Number of Processors	8
Computer Memory Type	DDR4 SDRAM
Power Source	Battery Powered (4-cell 90Wh Lithium Ion)
Special Feature	Anti-glare, Backlit, RGB Backlit Keyboard

WARRANTY AND SUPPORT

Your ASUS ROG Strix G15 Advantage Edition Gaming Laptop comes with a manufacturer's warranty. For detailed information regarding warranty terms, coverage, and duration, please refer to the warranty card included in your product packaging or visit the official ASUS support website. For technical assistance, driver downloads, or service requests, please visit www.asus.com/support/. Ensure you have your product's serial number ready when contacting support.