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› [ASUS](#) /

› [Asus ROG Strix G17 G713 Gaming Laptop 17.3" WQHD IPS 240Hz AMD 12-Core Ryzen 9 7845HX \(Beat i9-12900H\) 64GB DDR5 2TB SSD GeForce RTX 4060 8GB USB-C RGB Backlit Fast Charging Win11 Black + HDMI Cable](#)

## ASUS G713

# ASUS ROG Strix G17 G713 Gaming Laptop User Manual

Comprehensive Guide for Your ASUS ROG Strix G17 G713

## PRODUCT OVERVIEW

The ASUS ROG Strix G17 G713 is a high-performance gaming laptop designed for demanding tasks and immersive gaming experiences. It features a powerful AMD 12-Core Ryzen 9 7845HX processor, a dedicated NVIDIA GeForce RTX 4060 8GB graphics card, and a vibrant 17.3-inch WQHD (2560x1440) IPS display with a 240Hz refresh rate. Equipped with 64GB DDR5 RAM and a 2TB SSD, this laptop ensures fast loading times and smooth multitasking. Key features include a 4-Zone RGB Backlit Keyboard, Dolby Atmos Audio, AI noise-canceling, and Aura Sync Light Bar for customizable aesthetics. Connectivity options include multiple USB-A and USB-C ports, HDMI 2.1 FRL, and RJ45 Ethernet. The laptop runs on Windows 11 Home and is powered by a 4-cell 90Wh battery with fast charging capabilities.



Figure 1: Front view of the ASUS ROG Strix G17 G713 Gaming Laptop, highlighting its display, keyboard, and key specifications.

## SETUP GUIDE

### 1. Unboxing and Initial Inspection

- Carefully remove the laptop and all accessories from the packaging.
- Verify that all components are present: ASUS ROG Strix G17 G713 laptop, power adapter, power cord, and HDMI cable.
- Inspect the laptop for any physical damage.

### 2. Connecting the Power Adapter

- Connect the power cord to the power adapter.
- Plug the power adapter into the power input port on the laptop.
- Plug the other end of the power cord into a wall outlet. It is recommended to fully charge the battery before first use.

### 3. First Boot and Windows 11 Setup

- Open the laptop lid and press the power button, located on the top right of the keyboard area.
- Follow the on-screen instructions to complete the Windows 11 Home setup process. This includes selecting your region, language, connecting to a Wi-Fi network, and creating a user account.

### 4. Connecting External Devices

- **HDMI Cable:** Use the included HDMI cable to connect to an external monitor or TV via the HDMI 2.1 FRL port.
- **USB Devices:** Connect USB peripherals (e.g., mouse, keyboard, external drives) to the available USB-A 3.2 and

USB-C 3.2 ports.

- **Ethernet:** For a stable wired internet connection, connect an Ethernet cable to the RJ45 Ethernet port.



Figure 2: Side view of the laptop illustrating the placement of USB-C, HDMI, and Ethernet ports.

## OPERATING YOUR LAPTOP

### Keyboard and Touchpad

- The laptop features a 4-Zone RGB Backlit Keyboard. You can customize the lighting effects and colors through the ASUS Armoury Crate software.
- The precision touchpad supports multi-touch gestures for intuitive navigation.



Figure 3: Top-down view of the laptop's keyboard, showcasing the RGB backlighting.

### Display and Graphics

- The 17.3-inch WQHD (2560x1440) IPS display offers a 240Hz refresh rate and 3ms response time, ideal for fast-paced gaming.
- The NVIDIA GeForce RTX 4060 8GB graphics card provides powerful visual performance. Ensure your graphics

drivers are up to date for optimal performance.

## Audio System

- Experience immersive sound with Dolby Atmos Audio.
- AI noise-canceling technology enhances voice clarity during online communication.

## Battery Management

- The 4-cell 90Wh battery provides extended usage.
- Utilize the fast charging feature for quick power replenishment.
- To prolong battery lifespan, avoid frequently discharging the battery completely and store the laptop in a cool, dry place.

## MAINTENANCE

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### Cleaning Your Laptop

- Use a soft, lint-free cloth slightly dampened with water or a screen cleaner to clean the display. Do not spray liquid directly onto the screen.
- For the keyboard and chassis, use a soft brush or compressed air to remove dust and debris. Wipe surfaces with a microfiber cloth.
- Ensure all ports are free of dust and foreign objects.

### Software Updates

- Regularly check for and install Windows updates to ensure system stability and security.
- Update graphics drivers (NVIDIA) and other ASUS-specific drivers (e.g., via Armoury Crate) to maintain optimal performance and compatibility.

### Cooling and Ventilation

- Always operate the laptop on a hard, flat surface to ensure proper airflow through the ventilation grilles.
- Avoid blocking the air vents, especially during intensive tasks like gaming, to prevent overheating.
- Consider using a laptop cooling pad for prolonged heavy usage.

## TROUBLESHOOTING

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### Common Issues and Solutions

- **Laptop does not power on:** Ensure the power adapter is securely connected to both the laptop and a working power outlet. Try a different outlet.
- **Screen remains black or does not wake from sleep:** Press the power button briefly or try pressing **Windows key + Ctrl + Shift + B** to reset the graphics driver. If the issue persists, perform a hard reset by holding the power button for 15 seconds.
- **External monitor issues (black lines, no display):**
  - Verify the HDMI or USB-C cable connection is secure at both ends.
  - Try a different cable or monitor.
  - Ensure display drivers are updated.
  - Press **Windows key + P** and select the desired display mode (e.g., Extend, Duplicate).

- **USB-C ports not functioning:**

- Restart the laptop.
- Check Device Manager for any driver issues related to USB controllers.
- Ensure there is no physical obstruction in the port.

- **Laptop overheating:**

- Ensure the laptop is on a hard, flat surface and vents are not blocked.
- Clean dust from the vents using compressed air.
- Monitor temperatures using ASUS Armoury Crate.

- **Weak speaker audio:**

- Check volume levels in Windows and application settings.
- Ensure audio drivers are updated.
- Verify that no external audio devices are connected or selected as the default output.

- **System crashes or Blue Screen of Death (BSOD):**

- Ensure all drivers (especially graphics and chipset) are up to date.
- Run Windows Memory Diagnostic to check for RAM issues.
- Check for recent software installations that might be causing conflicts.

## SPECIFICATIONS

Feature	Specification
Brand	ASUS
Model Name	Asus ROG Strix G17 G713 Gaming Laptop
Processor	AMD 12-Core Ryzen 9 7845HX
RAM	64GB DDR5
Storage	2TB SSD
Operating System	Windows 11 Home
Graphics Card	NVIDIA GeForce RTX 4060 8GB
Display	17.3" WQHD (2560x1440) IPS 240Hz 100% DCI-P3 3ms
Ports	2x USB-A 3.2, 2x USB-C 3.2, 1x HDMI 2.1 FRL, 1x RJ45 Ethernet
Wireless Connectivity	802.11ax, Bluetooth
Battery	4-cell 90Wh
Dimensions (LxWxH)	11.1" x 15.55" x 1.21"
Weight	6.17 lbs
Special Features	RGB Backlit Keyboard, Fast Charging, Dolby Atmos, AI noise-canceling, Aura Sync Light Bar

## WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official ASUS support website or the documentation included with your product. You can also visit the [ASUS Store on Amazon](#) for additional resources and product information.

Keep your purchase receipt and product serial number readily available when contacting support.

