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ASUS G16

ASUS ROG Zephyrus G16 Gaming Laptop

USER MANUAL

Model: G16

1. INTRODUCTION

This manual provides essential information for setting up, operating, maintaining, and troubleshooting your ASUS ROG Zephyrus G16 Gaming Laptop. Designed for high-performance computing and gaming, this laptop features a 16-inch OLED 240Hz display, Intel Core Ultra 9 processor, and NVIDIA GeForce RTX 4070 graphics.

2. WHAT'S IN THE BOX

Please ensure all items are present upon unboxing:

- ASUS ROG Zephyrus G16 Gaming Laptop
- Power Adapter
- HDMI Cable

3. PHYSICAL OVERVIEW

3.1 Laptop Components



Figure 3.1: Front view of the ASUS ROG Zephyrus G16 Gaming Laptop, highlighting its display and core components.



Figure 3.2: Top-down view of the laptop's keyboard and trackpad area.

3.2 Left Side Ports



Figure 3.3: Detailed view of the left side ports.

- **ASUS Slim Power Jack:** For connecting the power adapter.
- **HDMI 2.1 FRL:** For connecting external displays.
- **Thunderbolt™ 4 Type-C (with DisplayPort™ 2.1 support):** High-speed data transfer, video output, and power delivery.

- **USB 3.2 Gen 2 Type-A:** For connecting USB devices.
- **Audio Jack:** For connecting headphones or external speakers.

3.3 Right Side Ports

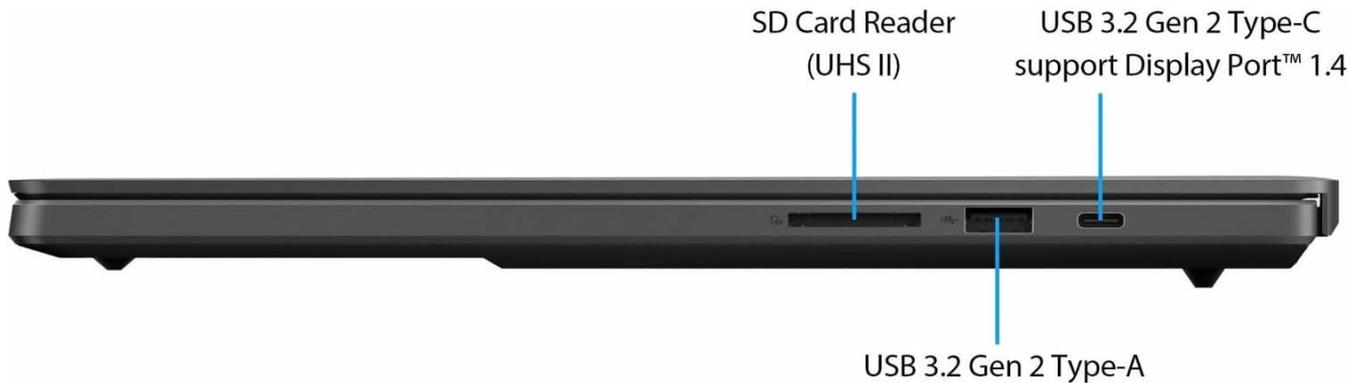


Figure 3.4: Detailed view of the right side ports.

- **SD Card Reader (UHS II):** For reading and writing data from SD cards.
- **USB 3.2 Gen 2 Type-A:** For connecting USB devices.
- **USB 3.2 Gen 2 Type-C (with DisplayPort™ 1.4 support):** High-speed data transfer and video output.

4. SETUP

4.1 Initial Power On

1. Connect the power adapter to the laptop's power jack and then to a power outlet.
2. Open the laptop lid. The laptop may power on automatically, or you may need to press the power button located on the top-right of the keyboard.
3. Follow the on-screen instructions to complete the Windows 11 Pro setup, including language selection, network connection, and user account creation.

4.2 Connecting Peripherals

Utilize the available USB-A, USB-C, and Thunderbolt 4 ports to connect external devices such as mice, keyboards, external drives, and monitors.

5. OPERATING

5.1 Power Management

- **Power On:** Press the power button.
- **Sleep Mode:** Close the lid or select 'Sleep' from the Windows Start menu.
- **Shut Down:** Select 'Shut down' from the Windows Start menu.

5.2 Display Settings

The 16-inch OLED 240Hz display offers vibrant colors and smooth motion. You can adjust display settings via Windows Settings > System > Display. For optimal gaming, ensure the 240Hz refresh rate is selected.

5.3 Audio

The laptop supports Dolby Atmos Audio. Adjust volume using the function keys (Fn + F10/F11/F12) or through the Windows sound settings.

5.4 Connectivity

- **Wi-Fi:** Connect to wireless networks via Windows Settings > Network & Internet > Wi-Fi. The laptop supports Wi-Fi 6E for fast and stable connections.
- **Bluetooth:** Enable Bluetooth in Windows Settings > Bluetooth & devices to pair with wireless peripherals.

6. MAINTENANCE

6.1 Cleaning

- **Screen:** Use a soft, lint-free cloth slightly dampened with water or a screen cleaner. Avoid harsh chemicals.
- **Chassis and Keyboard:** Use a soft, dry cloth. A can of compressed air can remove dust from keyboard crevices.

6.2 Battery Care

- Avoid fully discharging the battery frequently.
- Store the laptop in a cool, dry place if not used for extended periods.
- For optimal battery longevity, avoid prolonged exposure to high temperatures.

6.3 Software Updates

Regularly update your Windows operating system, drivers (especially graphics drivers), and ASUS utilities to ensure optimal performance and security.

7. TROUBLESHOOTING

7.1 Common Issues and Solutions

Issue	Possible Solution
Laptop does not power on.	Ensure the power adapter is securely connected to both the laptop and a working power outlet. Check the power indicator light.
No display on screen.	Check if the laptop is powered on. Try connecting an external monitor to verify if the issue is with the laptop's display. Adjust brightness settings.
Wi-Fi connection issues.	Ensure Wi-Fi is enabled in Windows settings. Restart your router and the laptop. Update Wi-Fi drivers.
Slow performance.	Close unnecessary applications. Check for background processes. Ensure sufficient free storage space. Update drivers and Windows.

8. SPECIFICATIONS

Feature	Detail
Processor	Intel 16-core Ultra 9 185H
Memory (RAM)	16GB DDR5
Storage	2TB PCIe 4.0 SSD
Operating System	Microsoft Windows 11 Pro
Graphics	Dedicated NVIDIA GeForce RTX 4070 8GB Graphic
Display	16" 2.5K (2560 x 1600) OLED 240Hz (DCI-P3 100%, 500nits Brightness, G-SYNC)
Keyboard	Backlit Keyboard
Webcam	FHD Camera
Audio	Dolby Atmos Audio
Wireless Connectivity	WiFi 6E, Bluetooth
Ports	1x Thunderbolt 4, 1x USB-C 3.2, 2x USB-A 3.2, 1x HDMI 2.1 FRL, 1x SD Card Reader
Battery	4-cell 90Wh Lithium Ion
Dimensions (LxWxH)	13.97" x 9.72" x 0.59"
Weight	4.1 lbs

9. WARRANTY AND SUPPORT

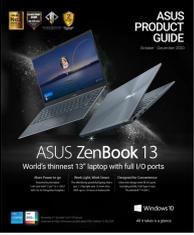
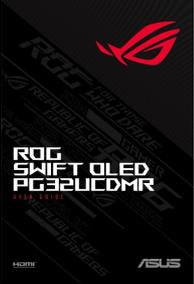
Your ASUS ROG Zephyrus G16 Gaming Laptop comes with a standard manufacturer's warranty. For detailed warranty information, technical support, driver downloads, and service inquiries, please visit the official ASUS support website.

ASUS Support: [Visit the ASUS Store on Amazon](#)

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