GIGABYTE G5 KD-52US123SO

GIGABYTE G5 KD-52US123SO Gaming Laptop User Manual

Model: G5 KD-52US123SO | Brand: GIGABYTE

1. Introduction

This manual provides essential information for setting up, operating, and maintaining your GIGABYTE G5 KD-52US123SO Gaming Laptop. This high-performance laptop features an NVIDIA GeForce RTX 3060 Laptop GPU with 6GB GDDR6 memory, an 11th Gen Intel Core i5-11400H Processor, 16GB RAM, and a 512GB Gen4 SSD. The 15.6-inch Thin Bezel FHD 1920x1080 IPS-level Anti-glare Display with a 144Hz refresh rate provides a smooth visual experience. It comes pre-installed with Windows 11 Home.



Figure 1: Front view of the GIGABYTE G5 KD-52US123SO Gaming Laptop.

2. What's in the Box

Upon unboxing your GIGABYTE G5 KD-52US123SO Gaming Laptop, ensure all the following items are present:

- GIGABYTE G5 KD-52US123SO Gaming Laptop
- Power Adapter (180W)
- Power Cord
- User Manual / Quick Start Guide
- Warranty Card
- SSD mounting screws and spacer (for additional storage)
- Cleaning Cloth / Keyboard Protector



Figure 2: Top-down view of the laptop's keyboard and trackpad.

3. Setup

3.1 Initial Power-On

1. Connect the power adapter to the laptop's power input port (located at the rear).
2. Plug the power cord into a wall outlet.
3. Open the laptop lid.
4. Press the power button (located on the top-right of the keyboard deck) to turn on the laptop.
5. Follow the on-screen instructions to complete the Windows 11 Home setup.

3.2 Connecting Peripherals

Your GIGABYTE G5 KD-52US123SO laptop offers a variety of ports for connecting external devices:

- **Left Side:** 1x USB 3.2 Gen1 (Type-A), 1x USB 2.0 (Type-A), Microphone Jack, Headphone Jack.
- **Right Side:** 1x USB 3.2 Gen2 (Type-C), 1x USB 3.2 Gen2 (Type-A), SD Card Reader.
- **Rear:** Power Input, Ethernet (RJ45) Port, HDMI Port, Mini DisplayPort.

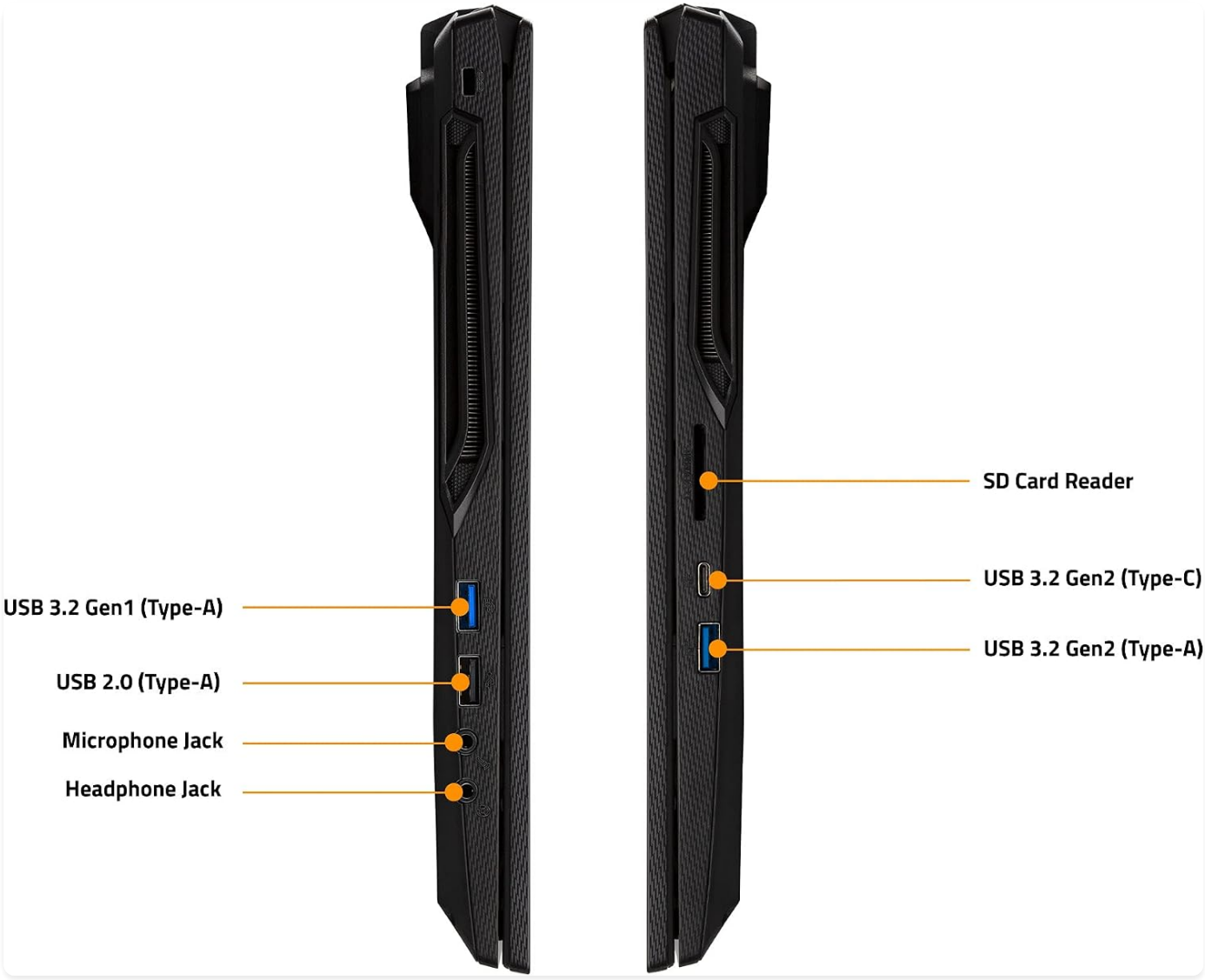


Figure 3: Detailed view of the laptop's input/output ports.

4. Operating Your Laptop

4.1 Keyboard and Trackpad

The laptop features an all-zone single-colored backlit keyboard with 15 LED color settings and a dedicated number pad for enhanced productivity. The trackpad supports multi-touch gestures for intuitive navigation.

4.2 Display Settings

The 15.6-inch Full HD (1920x1080) IPS-level anti-glare display boasts a 144Hz refresh rate for smooth visuals, especially beneficial for gaming and fast-paced content. You can adjust display settings via Windows Display Settings or the NVIDIA Control Panel for advanced graphics options like DLSS.

4.3 Performance Modes

Utilize the pre-installed GIGABYTE control software to switch between different performance modes (e.g., Silent, Balanced, Gaming) to optimize fan speed, CPU/GPU performance, and power consumption based on your current task.

5. Specifications

Feature	Specification
Brand	GIGABYTE
Model Name	G5 KD-52US123SO
Screen Size	15.6 Inches
Screen Resolution	1920 x 1080 pixels (FHD)
Refresh Rate	144Hz
Processor	11th Gen Intel Core i5-11400H (2.7GHz~4.5GHz)
Graphics Coprocessor	NVIDIA GeForce RTX 3060 Laptop GPU 6GB GDDR6
RAM	16GB DDR4 (64GB Max)
Hard Drive	512GB Gen4 SSD
Operating System	Windows 11 Home
Item Weight	4.81 pounds
Product Dimensions	10.15 x 14.21 x 1.09 inches
Battery	1 Lithium Polymer battery (included)

6. Maintenance

6.1 Cleaning

- Use a soft, lint-free cloth (like the one provided) to clean the screen and exterior surfaces.
- For stubborn smudges, slightly dampen the cloth with water or a screen-safe cleaner.
- Regularly clean the fan vents to prevent dust buildup, which can affect performance and lead to overheating.

6.2 Battery Care

- To maximize battery lifespan, avoid consistently draining the battery to 0% or keeping it at 100% for extended periods.
- The G5 KD-52US123SO features a removable battery, allowing for easy replacement if needed.
- Store the laptop in a cool, dry place when not in use.

7. Troubleshooting

7.1 Common Issues and Solutions

- **Laptop not powering on:** Ensure the power adapter is securely connected to both the laptop and a working power outlet. Check the power indicator light.
- **Overheating:** Ensure the fan vents are clear of obstructions. Consider using a cooling pad for extended heavy use. Monitor temperatures using system monitoring software.
- **Keyboard issues:** If certain keys are unresponsive or behave erratically, try restarting the laptop. Ensure all drivers are up to date. If issues persist, external keyboard may be used.
- **Poor battery life:** Adjust power settings to "Power Saver" mode. Close unnecessary background applications. Reduce screen brightness.
- **Display issues (e.g., backlight bleed):** While some backlight bleed can be normal for IPS panels, if it significantly impacts usability, contact support.

8. Warranty and Support

Your GIGABYTE G5 KD-52US123SO Gaming Laptop comes with a 2-year limited warranty. Please refer to the included Warranty Card for detailed terms and conditions. For technical support, driver downloads, or service inquiries, visit the official GIGABYTE support website or contact their customer service.
GIGABYTE Support: www.gigabyte.com/Support

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question