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GIGABYTE AERO 16 (B0CFBFVSBH)

GIGABYTE AERO 16 Gaming & Entertainment Laptop User Manual

MODEL: AERO 16 (B0CFBFVSBH)

1. Introduction

This manual provides essential information for the setup, operation, maintenance, and troubleshooting of your GIGABYTE AERO 16 Gaming & Entertainment Laptop and the included USB-C DV4K 100W Universal Docking Station. Please read this manual thoroughly before using your new device to ensure proper functionality and longevity.



Figure 1.1: GIGABYTE AERO 16 Laptop with USB-C Docking Station.

2. Setup

2.1 Laptop Setup

1. **Unpacking:** Carefully remove the laptop and all accessories from the packaging. Ensure all components listed in the packing list are present.
2. **Connect Power:** Connect the power adapter to the laptop's power input port and then plug the power cord into a wall outlet.
3. **Initial Boot:** Open the laptop lid. The system may power on automatically or require you to press the power button. Follow the on-screen instructions for the initial Windows 11 Home setup.



Figure 2.1: Front view of the GIGABYTE AERO 16 Laptop.

2.2 USB-C DV4K 100W Universal Docking Station Setup

1. **Connect Power:** Connect the power adapter to the docking station's power input and then plug the power cord into a wall outlet.
2. **Connect to Laptop:** Use the provided USB-C cable to connect the docking station to a Thunderbolt 4 (Type-C) port on your GIGABYTE AERO 16 laptop.
3. **Connect Peripherals:** Connect your external monitors (via DisplayPort or HDMI), USB devices (keyboard, mouse, external drives), and Ethernet cable to the appropriate ports on the docking station.



Figure 2.2: USB-C DV4K 100W Universal Docking Station.



Figure 2.3: Docking station with included accessories.

3. Operating Instructions

3.1 Power On/Off

- **Power On:** Press the power button located on the laptop's chassis.
- **Power Off:** Click the Start button in Windows, then select Power > Shut down.
- **Sleep Mode:** Close the laptop lid or select Power > Sleep from the Start menu.

3.2 Display and Graphics

The GIGABYTE AERO 16 features a 16.0" 4K (3840x2400) 60Hz AMOLED Display. For optimal performance, ensure your display drivers are up to date. The NVIDIA GeForce RTX 3070 Ti dedicated graphics card provides high-performance visuals for gaming and creative tasks.

3.3 Keyboard and Touchpad

The laptop is equipped with a backlit keyboard and a precision touchpad. Function keys (F1-F12) often have secondary functions (e.g., volume control, brightness adjustment) accessible by pressing the **Fn** key in combination with the desired function key.



Figure 3.1: Top-down view of the GIGABYTE AERO 16 keyboard and touchpad.

3.4 Connectivity

- **Wi-Fi:** Connect to wireless networks using the integrated Wi-Fi 6E AX210.
- **Bluetooth:** Pair Bluetooth devices like headphones or mice using Bluetooth 5.2.
- **Ports:** Utilize the 2 Thunderbolt 4 (Type-C) ports, USB 3.2 Type-C Gen2 port, and Headphone/Microphone Combo Jack for external devices.



Figure 3.2: Left side view of the GIGABYTE AERO 16 Laptop showing ports.



Figure 3.3: Right side view of the GIGABYTE AERO 16 Laptop showing ports.

4. Maintenance

- **Cleaning:** Use a soft, lint-free cloth to clean the screen and chassis. For stubborn marks, slightly dampen the cloth with water or a screen-safe cleaner. Avoid harsh chemicals.
- **Battery Care:** To prolong battery life, avoid fully discharging the battery frequently. If storing the laptop for an extended period, ensure the battery is charged to around 50-60%.
- **Software Updates:** Regularly check for and install operating system updates (Windows Update) and driver updates (GIGABYTE and NVIDIA) to ensure optimal performance and security.
- **Ventilation:** Ensure the laptop's ventilation openings are not blocked to prevent overheating. Use the laptop on a hard, flat surface.

5. Troubleshooting

5.1 No Power

- Ensure the power adapter is securely connected to both the laptop/dock and the wall outlet.
- Verify the wall outlet is functional by plugging in another device.
- Try a different power outlet.

5.2 Display Issues

- If the screen is blank, try pressing **Fn + F3** (or the corresponding display toggle key) to cycle through display modes.
- Ensure external monitors are properly connected to the docking station and powered on.
- Update graphics drivers.

5.3 Connectivity Problems (Wi-Fi/Bluetooth)

- Ensure Wi-Fi and Bluetooth are enabled in Windows settings.
- Restart your router/modem for Wi-Fi issues.
- Update network and Bluetooth drivers.

5.4 System Performance Issues

- Close unnecessary applications running in the background.
- Check Task Manager for processes consuming high CPU or RAM.
- Ensure adequate ventilation to prevent thermal throttling.

6. Specifications

Component	Specification
Processor	Intel Core i7-12700H (12th Gen, upto 4.7 GHz, 14-Cores, 20-Threads)
Graphics	NVIDIA GeForce RTX 3070 Ti 8GB GDDR6 Dedicated Graphics
Display	16.0" 4K (3840x2400) 60Hz 16:9 AMOLED Display
RAM	16GB DDR4 SO-DIMM
Storage	1TB PCIe SSD (Solid State Drive)

Component	Specification
Operating System	Windows 11 Home-64
Connectivity	Wi-Fi 6E AX210, Bluetooth 5.2
Ports	2 Thunderbolt 4 (Type-C), USB 3.2 Type-C Gen2, Headphone/Microphone Combo Jack
Battery	2-Cell 99 WHr Battery
Dimensions (WxLxH)	14.02 IN x 9.78 IN x 0.88 IN
Weight	5 pounds
Docking Station Model	USB-C DV4K 100W Universal Docking Station-6X3S6U3

7. Warranty and Support

This product comes with a 1 Year Manufacturer warranty from GreatPriceTech, as it has been professionally upgraded by GreatPriceTech. For warranty claims or technical support, please refer to the contact information provided by GreatPriceTech at the time of purchase.

Additional support resources may be available on the official GIGABYTE website. Please visitwww.gigabyte.com for product information and driver downloads.

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