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Thunderobot Storm 15

Thunderobot Storm 15 4050 Gaming Laptop User Manual

Model: Storm 15

1. INTRODUCTION

This manual provides essential information for setting up, operating, and maintaining your Thunderobot Storm 15 4050 Gaming Laptop. Please read this manual thoroughly before using your device to ensure optimal performance and longevity.

2. PACKAGE CONTENTS

Verify that all items are present in your product packaging:

- Thunderobot Storm 15 4050 Gaming Laptop
- Power Adapter and Cable
- User Manual (this document)
- Warranty Card

Note: Additional accessories may be included depending on your specific purchase configuration.

3. PHYSICAL OVERVIEW

3.1. Laptop Exterior

Familiarize yourself with the external components of your laptop.



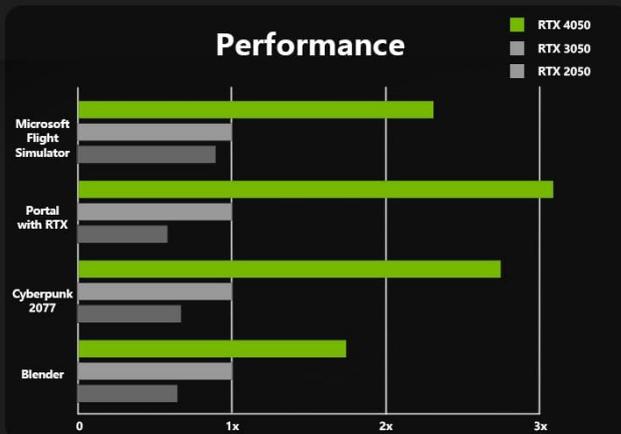
Figure 3.1: Top-down view of the Thunderrobot Storm 15 4050 Gaming Laptop.

RTX 4050 GeForce

NVIDIA GeForce RTX 40 Series Laptop GPUs power the world's fastest laptops for gamers and creators.

i7-13620 H

Disruptive hybrid CPU architecture of performance cores and energy efficiency cores.



Cinebench R20 Single Core

i7-13620H

i7-12650H

Cinebench R20 Multi-core

i7-13620H

i7-12650H

New Streaming Multiprocessors

Up to 2X performance and power efficiency

Third-Gen RT Cores

Up to 2X ray tracing performance

Fourth-Gen Tensor Cores

Up to 4X performance with DLSS 3vs. brute-force rendering



10 Core / 16 Threads

6 performance cores 4 energy efficiency cores



4.9 Ghz

Turbo frequency up to



24 MB

High speed caching

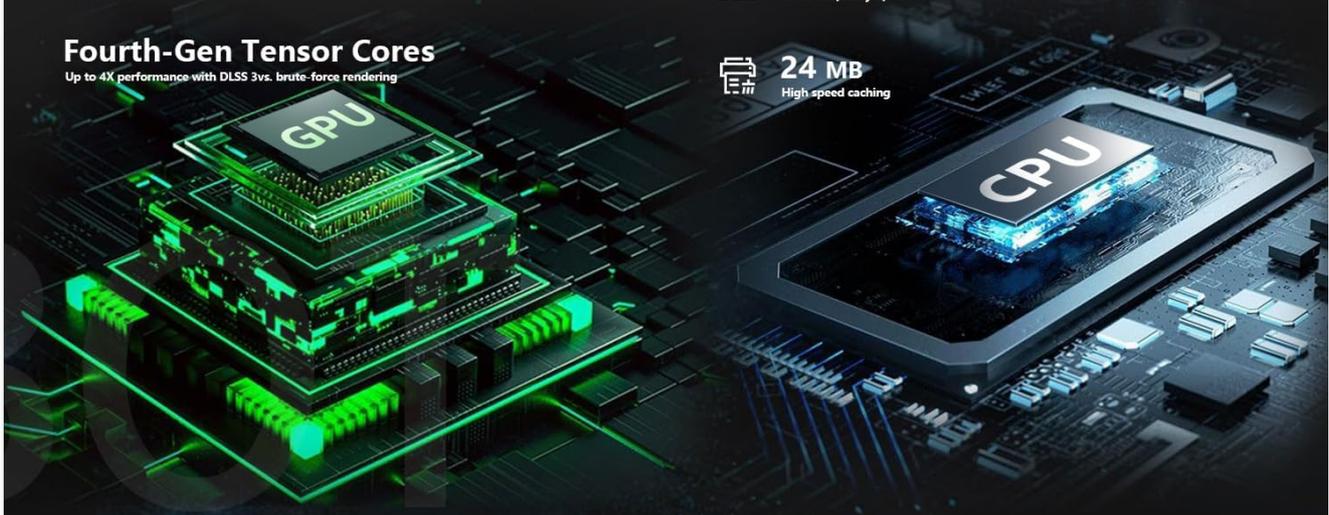


Figure 3.2: Open view of the Thunderobot Storm 15 4050 Gaming Laptop, highlighting the keyboard and display.

3.2. Ports and Connectors

The Thunderobot Storm 15 4050 is equipped with various ports for connectivity. Refer to the diagram below for port locations and functions.

Ports and Slots

Rich interfaces and easy expansion



- ❶ USB 3.1 Gen 2 Type-C
- ❷ RJ-45 Ethernet Port
- ❸ USB 3.1 Type-A
- ❹ HDMI Port

- ❺ Power
- ❻ USB 3.1 Type-A
- ❼ USB 3.1 Type-A
- ❽ 3.5mm Combo Jack

Figure 3.3: Port layout of the Thunderrobot Storm 15 4050 Gaming Laptop.

- **USB 3.1 Gen 2 Type-C:** For high-speed data transfer and display output.
- **RJ-45 Ethernet Port:** For wired network connection.
- **USB 3.1 Type-A (x3):** For connecting USB devices.
- **HDMI Port:** For connecting to external displays.
- **3.5mm Combo Jack:** For headphones or headsets with a microphone.
- **Power Input:** For connecting the power adapter.

3.3. Keyboard and Touchpad

The laptop features a full-size backlit keyboard with a numeric keypad for enhanced usability. The touchpad supports multi-touch gestures.



Figure 3.4: Detailed view of the backlit keyboard.

4. SETUP

4.1. Initial Power On

1. Connect the power adapter to the laptop's power input port and then to a power outlet.
2. Open the laptop lid.
3. Press the power button to turn on the laptop.
4. Follow the on-screen instructions to complete the Windows 11 Home setup.

4.2. Connecting to a Network

You can connect to the internet via Wi-Fi or a wired Ethernet connection.

- **Wi-Fi:** After initial setup, click the Wi-Fi icon in the taskbar, select your network, and enter the password.
- **Ethernet:** Connect an Ethernet cable from your router or modem to the RJ-45 port on the laptop.

5. OPERATING YOUR LAPTOP

5.1. Performance Modes

The Thunderobot Storm 15 4050 features an Intelligent Control Center allowing you to switch between different performance modes to optimize for various tasks. These modes typically include:

- **Berserk Mode:** Full performance release for demanding applications and gaming.
- **Game Mode:** Optimized for smooth gaming performance.
- **Audio and Video Office Mode:** Balances performance with power efficiency for everyday tasks.

Access the Control Center by searching for "Control Center" in the Windows search bar or by using dedicated function keys (if available). *Note: System mode switching in Control Center requires the device to be connected to a power source.*

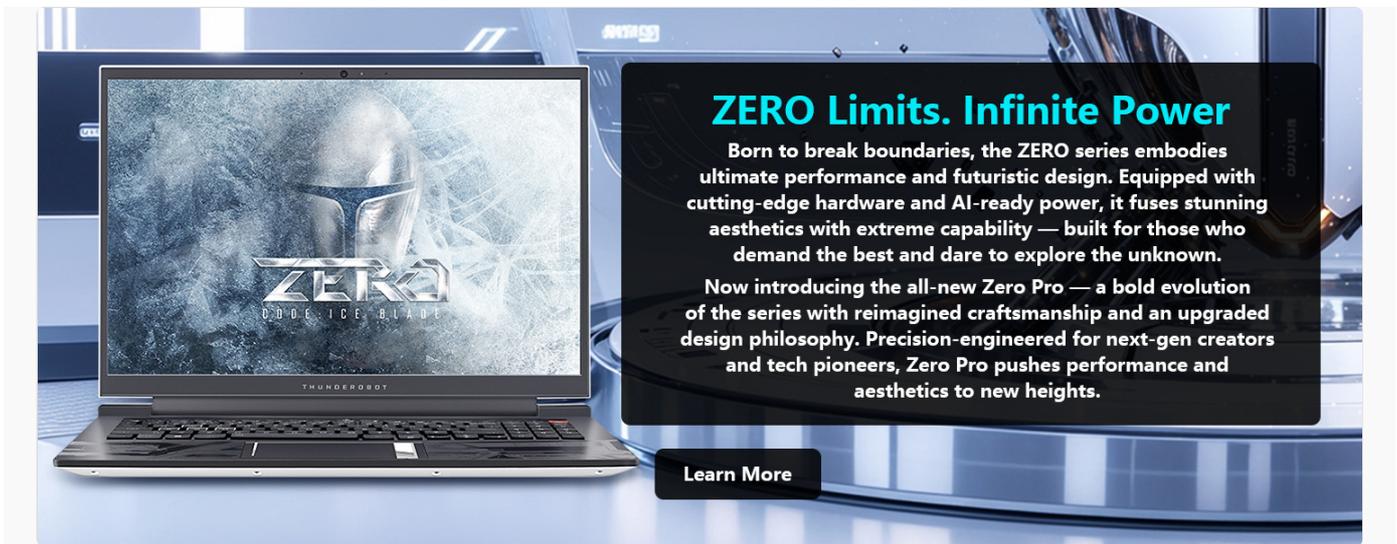


Figure 5.1: Intelligent Control Center interface.

5.2. Cooling System

The laptop incorporates an advanced Frost Cooling System designed for efficient heat dissipation, crucial during intensive use. This system includes multi-heat-pipe design, high-pressure turbine fans, and high-density copper fins.



Figure 5.2: Internal view of the Frost Cooling System.

Ensure that the air vents are not obstructed to maintain optimal cooling performance. Fan speed can be adjusted via the Control Center.

5.3. Display Settings

Your laptop features a 15.6-inch Full HD (1920x1080) display with a 165Hz refresh rate. You can adjust display settings through Windows settings (Right-click on desktop > Display settings) to customize resolution, refresh rate, and color profiles.

15.6" FHD 165Hz Display



The image shows a Thunderrobot laptop with its screen split vertically. The left side shows a dark scene with a bright light source, labeled '60Hz'. The right side shows a bright, colorful scene of a vehicle on a rocky terrain, labeled '165Hz'. The laptop keyboard is visible below the screen. The brand name 'THUNDERROBOT' is printed on the bottom bezel of the screen.

FHD	1920*1080 FHD Display	165Hz	165Hz Refresh	100%	100%sRGB High color gamut	1200:1	1200:1 High contrast
15.6"	15.6inch Display	5MM	5mm Narrow bezel	85%	85% Screen ratio	DC	DC dimming No flickering

Figure 5.3: Display features of the Thunderrobot Storm 15 4050.

5.4. Audio System

The laptop is equipped with a professional sound system for an immersive audio experience. Adjust volume and sound settings through the Windows sound control panel.

Wide Range of Sound

Professional sound certification and high-specification speaker design bring an immersive sound experience.



Figure 5.4: Audio system overview.

6. MAINTENANCE

Proper maintenance ensures the longevity and performance of your laptop.

- **Cleaning:** Use a soft, dry cloth to clean the screen and chassis. For stubborn marks, a slightly damp cloth with a mild cleaning solution can be used, ensuring no liquid enters the device.
- **Ventilation:** Regularly check and clean the air vents to prevent dust buildup, which can hinder cooling performance.
- **Battery Care:** For optimal battery life, avoid consistently discharging the battery completely or keeping it at 100% charge for extended periods.
- **Software Updates:** Keep your operating system and drivers updated to ensure stability and security.

7. TROUBLESHOOTING

This section addresses common issues you might encounter.

Problem	Possible Cause	Solution
Laptop does not power on.	Battery depleted, power adapter not connected properly.	Ensure the power adapter is securely connected and the laptop is charging. Try a different power outlet.
Screen remains black after power on.	External display connected, display driver issue.	Disconnect any external displays. Try pressing Fn + F1 (or the appropriate function key for display toggle) to switch display output.
Wi-Fi connection issues.	Wi-Fi disabled, incorrect password, router issue.	Ensure Wi-Fi is enabled in Windows settings. Verify the Wi-Fi password. Restart your router.
Laptop is running slow or overheating.	Too many applications running, obstructed vents, outdated drivers.	Close unnecessary applications. Clean air vents. Update drivers. Adjust fan speed in Control Center.

If you encounter issues not listed here or if the suggested solutions do not resolve the problem, please contact customer support.

8. SPECIFICATIONS

Detailed technical specifications for the Thunderobot Storm 15 4050 Gaming Laptop:

- **Model:** Storm 15
- **Processor:** Intel Core i7-13620H (10 Cores, 16 Threads, up to 4.9 GHz)
- **Graphics:** NVIDIA GeForce RTX 4050 Laptop GPU (Dedicated)
- **Display:** 15.6-inch Full HD (1920x1080) 165Hz
- **RAM:** 16GB DDR4 3200MHz
- **Storage:** 1TB PCIe M.2 SSD
- **Operating System:** Windows 11 Home
- **Wireless Connectivity:** 802.11ac Wi-Fi, Bluetooth
- **Ports:** USB 3.1 Gen 2 Type-C, 3x USB 3.1 Type-A, HDMI, RJ-45 Ethernet, 3.5mm Combo Jack, Power Input
- **Keyboard:** Full-size Backlit Keyboard with Numeric Keypad
- **Dimensions:** 14.12 x 10.14 x 0.94 inches
- **Weight:** Approximately 12 pounds

9. WARRANTY AND SUPPORT

Every Thunderobot laptop includes a 12-month warranty, offering expert support, thorough diagnostics, and genuine parts if a repair is needed. We also provide a 90-day warranty on all warranty replacement parts, ensuring hassle-free repairs.

For technical support, warranty claims, or service inquiries, please visit the official Thunderobot website or contact their customer service department. Keep your purchase receipt and warranty card for reference.

Your browser does not support the video tag.

Video 9.1: A short preview video showcasing the Thunderobot Storm 15 4050 Gaming Laptop's features and design. This video is provided by the seller and offers a quick visual overview of the product.

Your browser does not support the video tag.

Video 9.2: Another short preview video highlighting the Thunderobot Storm 15 4050 Gaming Laptop's design elements and user interaction. This video is provided by the seller and offers a quick visual overview of the product.

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