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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, maintaining, and troubleshooting your Thunderobot Storm 15 4050 Gaming Laptop. Please read it thoroughly to ensure optimal performance and longevity of your device.

Key Features:

- **Processor:** Intel Core i7-13620H (10 Cores, up to 4.9 GHz)
- **Graphics:** NVIDIA GeForce RTX 4050 Laptop GPU
- **Memory:** 32GB DDR4 RAM (3200 MHz)
- **Storage:** 1TB PCIe M.2 SSD
- **Display:** 15.6-inch Full HD (1920x1080) 165Hz, 100% sRGB, DC Dimming
- **Operating System:** Windows 11 Home
- **Cooling:** Advanced Frost Cooling System with multi-heat-pipe design and high-pressure turbine fan
- **Keyboard:** Full-size backlit keyboard with numeric keypad



Image: The Thunderrobot Storm 15 4050 Gaming Laptop, showcasing its sleek design and backlit keyboard.

2. SETUP

2.1 Initial Power On

1. **Unpack:** Carefully remove the laptop and all accessories from the packaging.
2. **Connect Power:** Plug the AC adapter into the laptop's power port and then into a wall outlet.
3. **Power On:** Open the laptop lid and press the power button, typically located above the keyboard or on the side.
4. **Initial Setup:** Follow the on-screen instructions to complete the Windows 11 Home setup, including language, region, network connection, and user account creation.

2.2 Connecting Peripherals

Your laptop is equipped with various ports for connecting external devices.

Ports and Slots

Rich interfaces and easy expansion



- ① USB 3.1 Gen 2 Type-C
- ② RJ-45 Ethernet Port
- ③ USB 3.1 Type-A
- ④ HDMI Port

- ⑤ Power
- ⑥ USB 3.1 Type-A
- ⑦ USB 3.1 Type-A
- ⑧ 3.5mm Combo Jack

Image: Diagram illustrating the various ports and slots available on the Thunderobot Storm 15 laptop.

- **USB Devices:** Connect USB mice, keyboards, external drives, or other peripherals to the USB 3.1 Type-A ports or the USB 3.1 Gen 2 Type-C port.
- **External Display:** Use the HDMI port to connect an external monitor or TV.
- **Network:** For a stable wired internet connection, plug an Ethernet cable into the RJ-45 port.
- **Audio:** Connect headphones or external speakers to the 3.5mm Combo Jack.

3. OPERATING YOUR LAPTOP

3.1 Display Features

The 15.6-inch Full HD display offers a 165Hz refresh rate for smooth visuals and 100% sRGB color gamut for accurate color reproduction. DC dimming technology helps reduce screen flickering.

15.6" FHD 165Hz Display



60Hz

165Hz

THUNDEROBOT

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

Image: Close-up of the 15.6-inch Full HD 165Hz display, highlighting its smooth motion capabilities.

3.2 Keyboard and Touchpad

The full-size backlit keyboard includes a numeric keypad for enhanced productivity and gaming. The anti-fingerprint surface helps maintain a clean appearance.

Full-Size Backlit Keyboard

Bright white backlit keyboard with full layout, large arrow keys, and numeric keypad for clear visibility and efficient typing.



Image: View of the full-size backlit keyboard with its bright white backlighting and numeric keypad.

3.3 Audio System

Experience immersive sound with the laptop's professional sound certification and high-specification speaker design.

Wide Range of Sound

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



Image: Laptop displaying sound waves, illustrating its wide range of sound capabilities.

3.4 Cooling System

The Advanced Frost Cooling System features multi-heat-pipe design (10mm/8mm composite pipes), a high-pressure turbine fan with 80 ultra-thin LCP blades, and 126 dense copper fins (28,000mm²) to ensure efficient heat dissipation. This design keeps critical components cool during intensive use.



Image: Diagram showing the internal cooling system with heat pipes, fans, and copper fins.

3.5 Control Center Software

The Control Center software allows you to adjust and switch between various performance modes (e.g., Berserk mode, Game mode, Audio and Video Office mode) and customize fan speed and lighting settings. Access it by typing "Control Center" in the Windows search bar or using designated function keys.

Control Center

Control Center allows you to freely adjust and switch between three performance modes.

Berserk mode

Full performance release

Game mode

The speed is smooth and smooth online

Audio and video office

Powerful battery life

Fan adjustment

Fan speed adjustment



Image: Screenshots of the Control Center software interface, showing options for performance modes, fan adjustment, and lighting controls.

4. MAINTENANCE

4.1 Cleaning

- **Screen:** Use a soft, lint-free cloth dampened with water or a screen cleaner. Avoid harsh chemicals.
- **Keyboard and Chassis:** Use a soft cloth to wipe surfaces. Compressed air can be used to clear dust from between keys and vents.
- **Vents:** Regularly check and clean the cooling vents to prevent dust buildup, which can hinder airflow and performance.

4.2 Software Updates

Keep your operating system and drivers updated to ensure optimal performance and security. Windows Update will handle OS updates, and you can check the Thunderobot support website for the latest driver versions for your specific model.

5. TROUBLESHOOTING

5.1 Common Issues

- **Laptop not powering on:** Ensure the AC adapter is securely connected to both the laptop and a working power outlet. Check if the power button is functioning correctly.
- **Overheating:** Ensure cooling vents are not blocked. Use the Control Center to adjust fan speeds. Consider using the laptop on a hard, flat surface to improve airflow.
- **Display issues:** If the screen is blank, try connecting an external monitor to check if the issue is with the laptop's display or the graphics output. Update graphics drivers.
- **Slow performance:** Check for background applications consuming resources. Ensure sufficient free storage space. Run a malware scan.
- **Peripheral not detected:** Ensure the peripheral is correctly plugged into the appropriate port. Try a different port or restart the laptop. Update relevant drivers.

5.2 Contact Support

If you encounter issues that cannot be resolved using this guide, please refer to the Thunderobot official support channels for assistance.

6. SPECIFICATIONS

Feature	Detail
Standing screen display size	15.6 Inches
Screen Resolution	1920 x 1080 pixels
Max Screen Resolution	1920x1080 Pixels
Processor	Intel Core i7-13620H (4.9 GHz max turbo)
RAM	32 GB DDR4 (3200 MHz)
Hard Drive	1 TB SSD (PCIe x 4)
Graphics Coprocessor	NVIDIA GeForce RTX 4050 Laptop GPU
Wireless Type	802.11ax, Bluetooth
Number of USB 3.0 Ports	3
Operating System	Windows 11 Home
Item Weight	12 pounds
Product Dimensions	14.12 x 10.14 x 0.94 inches
Color	Black
Special Feature	Backlit Keyboard, Numeric Keypad

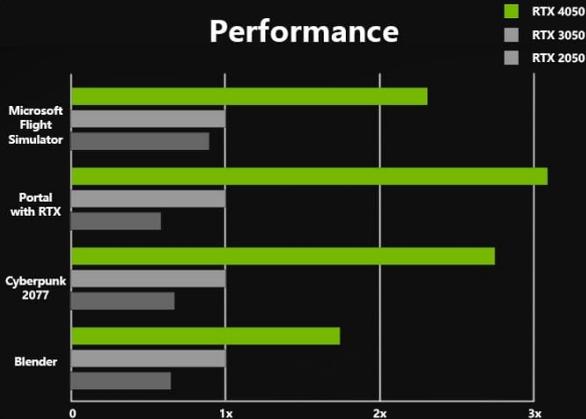
RTX 4050 Geforce

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.

Performance



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

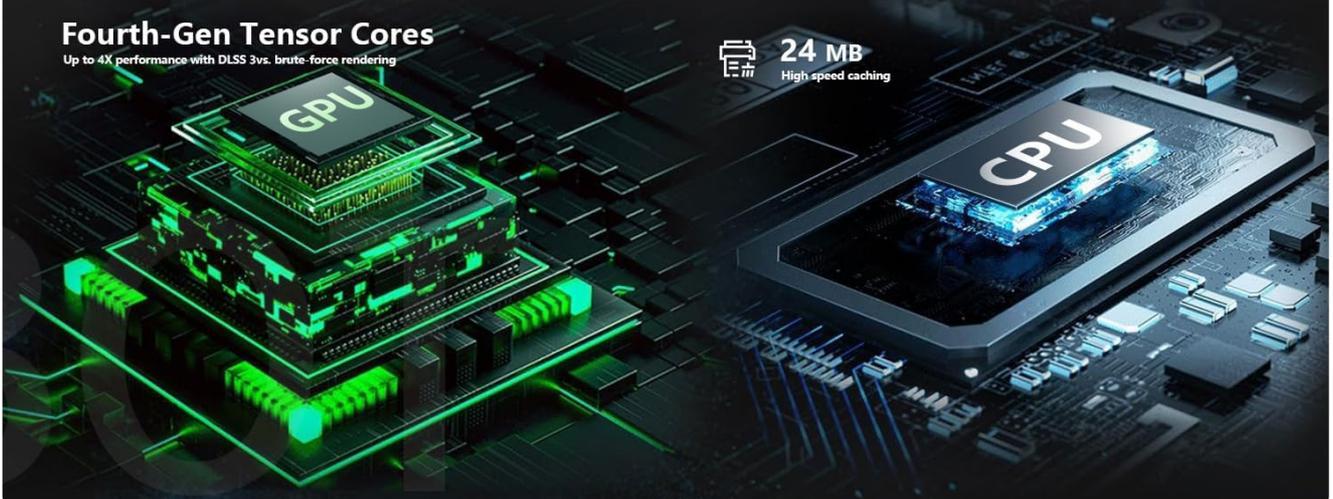


Image: Performance benchmarks comparing the RTX 4050 and Intel Core i7-13620H against previous generations.

7. WARRANTY AND SUPPORT

Every Thunderobot laptop includes a **12-month warranty**, offering expert support, thorough diagnostics, and genuine parts if a repair is needed. Additionally, a **90-day warranty** is provided on all warranty replacement parts, ensuring hassle-free repairs. Your complete satisfaction is our commitment.

For further support, please visit the official Thunderobot website or contact their customer service.

Your browser does not support the video tag.

Video: An overview of the Thunderobot Storm 15 Laptop, showcasing its features and design.