

Thunderobot Radiant 15

Thunderobot Radiant 15 Gaming Laptop User Manual

MODEL: RADIANT 15

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1. Introduction

This user manual provides essential information for the Thunderobot Radiant 15 Gaming Laptop. It covers initial setup, operational guidelines, maintenance tips, and troubleshooting steps to ensure optimal performance and longevity of your device. Please read this manual thoroughly before using your new laptop.

2. Setup

2.1 Unboxing and Initial Inspection

Carefully remove the Thunderobot Radiant 15 laptop and all accessories from its packaging. Inspect the laptop for any signs of damage during transit. The package should include the Thunderobot Laptop, power adapter, and any accompanying documentation.

i7-14650HX

RTX 4060

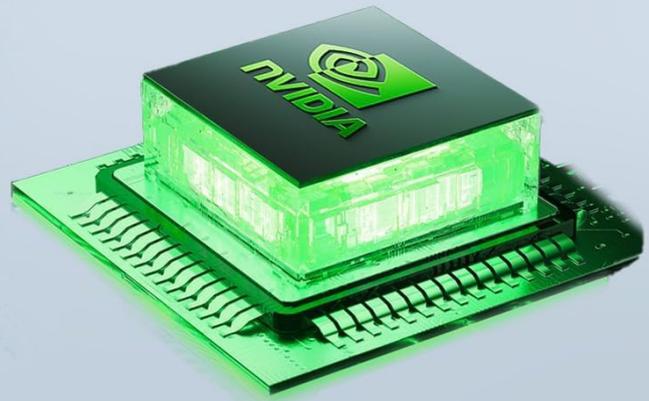
 **16** Core **24** Threads

 **5.2** GHz  **30** MB

8GB GDDR
192Bit high speed video memory

140W
Full power performance release

3072
CUDA Core



10 minutes Cinebench R23 multicore test



3D Mark Timespy GPU



The Thunderobot Radiant 15 Gaming Laptop is shown open on a desk, ready for initial setup. This image highlights the overall design and display.

2.2 Connecting the Power Adapter

Connect the power adapter to the laptop's power input port and then plug it into a wall outlet. It is recommended to fully charge the battery before the first use.

2.3 Initial Power On

Press the power button located on the laptop to turn it on. Follow the on-screen instructions to complete the initial Windows 11 setup, including language selection, network connection, and user account creation.

2.4 Connecting Peripherals

You can connect external devices such as a mouse, keyboard, or external display using the available ports. Refer to the 'Global Interface' section for port details.

This video provides a visual overview of the Thunderobot Radiant 15 Gaming Laptop, showcasing its design, key features, and user experience.

3. Operating Instructions

3.1 Power On/Off and Sleep Mode

- **Power On:** Press the power button.
- **Power Off:** Go to Start > Power > Shut down.
- **Sleep Mode:** Close the lid or go to Start > Power > Sleep.

3.2 Keyboard and Touchpad

The laptop features an RGB backlit keyboard with a separate numeric keypad for enhanced functionality. The touchpad supports multi-touch gestures for navigation.



This image displays the RGB backlit keyboard and the integrated touchpad, highlighting the separate numeric key area and customizable lighting.

3.3 Display Settings

The 15.6-inch QHD (2560 x 1440) 165Hz IPS display offers vibrant visuals. You can adjust display settings, including resolution and refresh rate, through Windows display settings.

3.4 Connectivity

The laptop supports Wi-Fi 6 for high-speed wireless internet access and Bluetooth for connecting wireless peripherals. It also includes various physical ports:

- 2 x Superspeed USB Type-A
- 2 x Superspeed USB Type-C
- 1 x HDMI
- 1 x RJ-45 (Ethernet)
- 1 x DisplayPort
- 1 x Audio Port (Headphone/Microphone combo)

GLOBAL INTERFACE

Full speed Thunderbolt 4 interface with bandwidth up to 40Gbps
Support 8K video output



This image details the various connectivity ports available on the laptop, including USB Type-A, USB Type-C, HDMI, RJ-45, and DisplayPort, providing comprehensive connectivity options.

4. Performance and Key Features

4.1 Processor and Graphics

The Thunderrobot Radiant 15 is powered by an Intel Core i7-14650HX processor (16 Cores, 24 Threads, up to 5.20GHz) and features an NVIDIA GeForce RTX 4060 Graphics card with 8GB GDDR6 memory, delivering robust

performance for gaming and demanding applications.

4.2 Memory and Storage

Equipped with 64GB DDR5 RAM, the laptop ensures smooth multitasking. The 2TB PCIe M.2 Solid State Drive provides ample storage and fast data transfer speeds.

4.3 Cooling System

The laptop incorporates an advanced cooling system designed to manage heat effectively during intensive use, featuring multiple fans and heat pipes to maintain optimal operating temperatures.

GeForce RTX 4060
GDDR6 8G
Ada Lovelace architecture

i7-14650HX
16Core 24 Threads
up to **5.20GHz**
max turbo frequency

Up to **2TB SSD PCIe 4.0**
3 x M.2 ports, Easy upgrade

Up to **64GB RAM DDR5**
Double M.2 ports, Free expansion

Dedicated Direct Connection
Unique mode | Mixed mode

E-sports Functional Style
THIN & LIGHT DESIGN
4.78lb light

15.6" benchmark esports screen
2.5K 165Hz
100% sRGB
1000:1
High contrast

Technology cooling system
3 x fans
5 x High efficiency composite heat pipe
Direct flush heat dissipation
3D air intake system

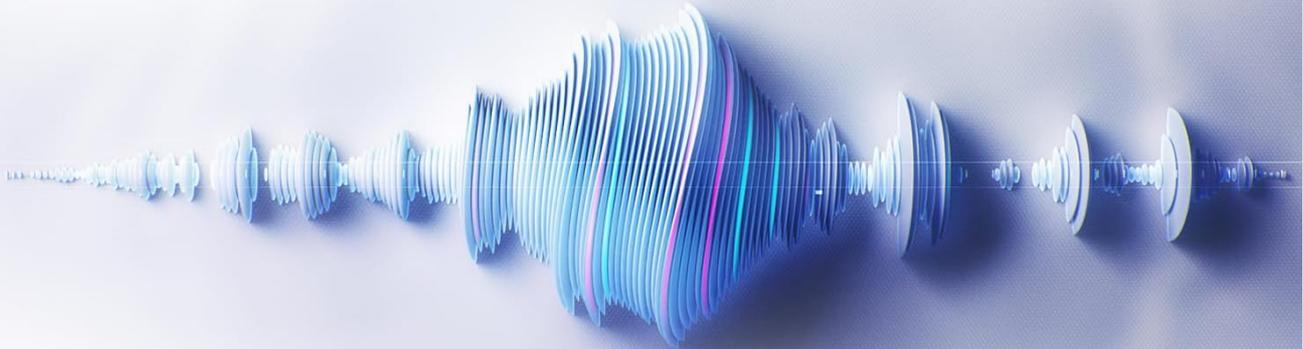
An internal diagram showcasing the Intel Core i7-14650HX processor, NVIDIA GeForce RTX 4060 graphics card, DDR5 RAM, PCIe SSD, and the advanced cooling system with multiple fans and heat pipes.

4.4 Wi-Fi 6

Experience faster and more reliable wireless connections with Wi-Fi 6 technology, supporting speeds up to 2.4Gbps.

WIFI-6 GIGABIT

The Internet speed is increased to 2.4Gbps, efficient and stable network, endless play.



This graphic illustrates the enhanced internet speed capabilities of Wi-Fi 6, reaching up to 2.4Gbps, ensuring efficient and stable network performance.

5. Maintenance

5.1 Cleaning the Laptop

Use a soft, lint-free cloth to clean the screen and exterior surfaces. For stubborn smudges, slightly dampen the cloth with water or a screen-safe cleaner. Avoid harsh chemicals or abrasive materials.

5.2 Battery Care

To prolong battery life, avoid extreme temperatures and do not leave the laptop fully charged or fully discharged for extended periods. Calibrate the battery periodically by fully discharging and recharging it.

5.3 Software Updates

Regularly update your operating system (Windows 11) and device drivers to ensure optimal performance, security, and compatibility. Check the Thunderobot official website for the latest drivers specific to your model.

5.4 Cooling System Maintenance

Ensure the laptop's vents are clear of obstructions to allow for proper airflow. Periodically clean dust from the vents using compressed air. For intensive use, consider using an external cooling pad to assist with heat dissipation.

6. Troubleshooting

6.1 Laptop Does Not Power On

- Ensure the power adapter is securely connected to both the laptop and a working power outlet.

- Verify the power button is pressed firmly for a second or two, as a brief press may not register.
- If the battery is completely drained, allow it to charge for a few minutes before attempting to power on.

6.2 Display Issues (e.g., Dead Pixels, No Display)

- If a small dead pixel is observed, it may be a manufacturing characteristic. If it significantly impacts usability, contact support.
- If there is no display, try connecting an external monitor to check if the issue is with the laptop's internal screen or the graphics output.

6.3 System Crashes or Blue Screen Errors

- Ensure all drivers, especially graphics drivers, are up to date.
- Run a system diagnostic tool to check for hardware issues.
- Consider performing a Windows system restore or reinstall if software corruption is suspected.

6.4 Excessive Fan Noise or Overheating

- Ensure the laptop's vents are not blocked.
- Clean dust from the cooling system.
- Adjust power settings to a balanced or power-saving mode when not performing demanding tasks.
- Using a laptop cooling pad can help reduce operating temperatures during heavy loads.

6.5 Software Applications Not Responding

- Ensure Windows 11 is fully updated.
- Check for updates for the specific applications experiencing issues.
- Verify that your system meets the minimum requirements for the applications.

7. Specifications

Feature	Description
Model Name	Radiant 15
Screen Size	15.6 Inches
Max Screen Resolution	2560 x 1440 pixels (QHD)
Refresh Rate	165Hz
Processor	Intel Core i7-14650HX (16 Cores, 24 Threads, up to 5.20GHz)
RAM	64 GB DDR5
Storage	2 TB PCIe M.2 SSD
Graphics Coprocessor	NVIDIA GeForce RTX 4060 (8GB GDDR6)
Operating System	Windows 11 Home
Wireless Type	802.11ax (Wi-Fi 6)
USB Ports	2 x USB Type-A, 2 x USB Type-C
Video Output	HDMI, DisplayPort

Audio Port	1 x Audio Port (Headphone/Microphone combo)
Special Features	RGB Backlit Keyboard, Numeric Keypad
Item Weight	4.85 pounds
Product Dimensions	14.21 x 9.49 x 0.98 inches

8. Warranty and Support

8.1 Product Warranty

Your Thunderobot Radiant 15 Gaming Laptop comes with a standard manufacturer's warranty. Please refer to the warranty card included in your product packaging for specific terms, conditions, and duration of coverage. Keep your proof of purchase for warranty claims.

8.2 Technical Support

For technical assistance, driver downloads, or service inquiries, please visit the official Thunderobot support website. You may also find FAQs and additional resources there to help resolve common issues.

Note: Warranty and support details are subject to change. Always refer to the latest information provided by the manufacturer.