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Thunderobot Zero 18 Pro

Thunderobot Zero 18 Pro 5070 Ti Gaming Laptop User Manual

Model: Zero 18 Pro | Brand: Thunderobot

INTRODUCTION

This manual provides essential information for setting up, operating, maintaining, and troubleshooting your Thunderobot Zero 18 Pro 5070 Ti Gaming Laptop. Please read this guide thoroughly to ensure optimal performance and longevity of your device.

WHAT'S IN THE BOX

Upon unpacking, verify that all items listed below are present:

- THUNDEROBOT Zero Laptop
- Power Adapter
- User Manual (this document)
- Warranty Card

If any items are missing or damaged, contact your retailer or Thunderobot customer support immediately.

SETUP

Initial Power-On

1. Connect the power adapter to the laptop's power input port and then to a wall 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.

Connecting Peripherals

Utilize the available ports to connect external devices such as a mouse, keyboard, external display, or other accessories. Refer to the "Connectivity (Ports)" section for port details.

OPERATING INSTRUCTIONS

Power On/Off

- To power on: Press the power button located on the keyboard deck.
- To shut down: Click the Start button, then Power, and select "Shut down".
- To restart: Click the Start button, then Power, and select "Restart".
- To sleep: Close the laptop lid or click the Start button, then Power, and select "Sleep".

Keyboard and RGB Lighting

The laptop features a full-size keyboard with per-key customizable RGB backlighting and a dedicated numeric keypad.

- **Per-Key RGB Backlight:** Customize individual key lighting through the AI Intelligent Control Center software.
- **Function Keys:** Use the **Fn** key in combination with other keys for various functions (e.g., volume control, screen brightness, keyboard backlight adjustment).
- **Performance Mode Switching:** Dedicated keys (Fn+Space) allow for quick toggling between performance profiles.
- **One-Click Cooling:** A dedicated key (often near the numeric keypad) can activate maximum cooling. Ensure cooling mode is exited before using the first three keys to switch modes.

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Video demonstrating Thunderobot RGB lighting features, including per-key customization and side lighting. This video highlights the visual effects of the integrated lighting system.

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Video showcasing the Thunderobot Zero Pro laptop, including its RGB lighting and design elements. This video provides an overview of the laptop's aesthetic features.

Display Features

The 18-inch QHD+ (2560x1600) Bionic Hummingbird Eye-Care display offers a 240Hz refresh rate and 4ms response time for clear and fluid visuals. It includes anti-glare, anti-reflection, and anti-blue light technologies for eye comfort.

RTX 5070Ti Geforce

Gear up for game-changing experiences with the NVIDIA GeForce RTX 5070 Ti and AI-powered DLSS 4.



AI-Enhanced Graphics and Performance
NVIDIA DLSS 4 with Multi Frame Generation



Game-Winning Responsiveness
NVIDIA Reflex 2 with Frame Warp



True-to-Life Graphics
Full ray tracing with neural rendering



Fifth-Gen Tensor Cores
Max AI performance with FP4 and DLSS 4



New Streaming Multiprocessors
Optimized for neural shaders



Fourth-Gen Ray Tracing Cores
Built for Mega Geometry

Ultra 9 275 HX

Equipped with the new generation Intel Core Ultra processor, new architecture and technology.

24 Core / 24 Threads
8 performance cores 16 energy efficiency cores

36 MB
High speed caching

5.4 Ghz
Turbo frequency up to

150W Performance release

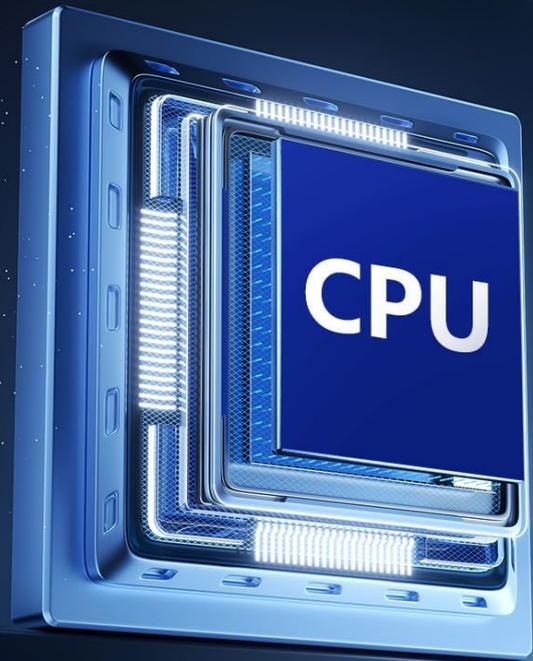
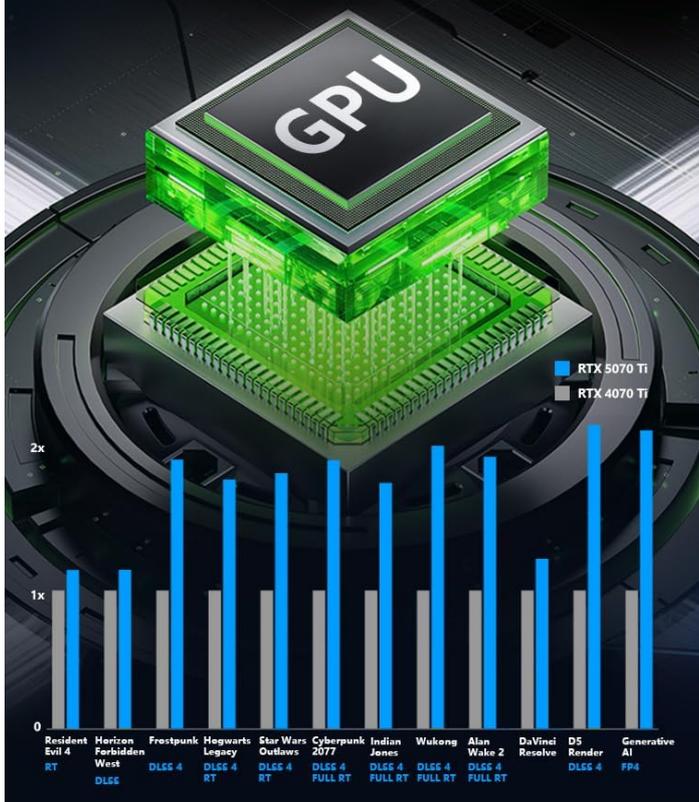
Ray tracing AV1 codec
Intel graphics card

Built-in NPU

The full-platform AI peak computing power is 36Tops, supporting AI applications.

Support game accelerator APO

Intel Application Optimization



A new generation of Core Ultra, a cool master, with AI assists

Image of the Thunderobot Zero 18 Pro display, emphasizing its 18-inch QHD+ 240Hz Bionic Hummingbird Eye-Care features, including anti-glare and anti-reflection technology.

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Video demonstrating the Thunderobot Series Display, showcasing its visual clarity and features. This video highlights the display's performance and quality.

Connectivity (Ports)

The laptop is equipped with various ports for extensive connectivity:

- 3 x Superspeed USB Type-A ports
- 2 x Superspeed USB Type-C ports (including Thunderbolt 5 support)
- 1 x HDMI port (HDMI 2.1)
- 1 x RJ-45 Ethernet port
- 1 x Audio Port (3.5mm)
- UHS-II SD Card Reader

- Wi-Fi 6E for high-speed wireless internet
- Bluetooth for wireless peripheral connections

Explore Design Language

Brand-new design language, the whole machine uses RGB "Spectra" lighting system, A-side metal anodizing process, and nano-indentation process.

"Spectra" RGB equivalent system

154 RGB lamp beads in the whole machine



Star shining logo

When off, it has a mirror effect. When lit, it illuminates the entire logo.



NIL star mark texture

Nano-imprinted "star mark" strip texture.



ZERO-Cosmic black

Mysterious and profound, with the dual experience of anodized metal vision and touch.



Image detailing the ports and slots on the Thunderobot Zero 18 Pro laptop, including USB Type-A, USB Type-C, HDMI, RJ-45, and audio ports.

Cooling System

The advanced cooling system features 3 Night Owl fans, 7 high-efficiency heat pipes, and 338 ultra-thin copper fins to ensure optimal thermal management during intensive use, allowing for 270W super performance release.

18" Bionic Hummingbird Eye-Care Display

240Hz Refresh Rate & 2560*1600 Resolution



Anti-glare
anti-reflection
anti-blue light

AG+LR

Anti-vertigo + anti-reflection

DC Dimming

Eye protection without flickering

Calibration

Professional color calibration

90.6%

Screen to body ratio

2.5K

Ultra high resolution

240HZ

Ultra-high refresh rate

4ms

Rapid response time

DCI-P3

Ultra-wide color gamut

500nits

High brightness

1800:1CR

High natural contrast

190:1

Ambient light contrast

2.9%

Reflectivity

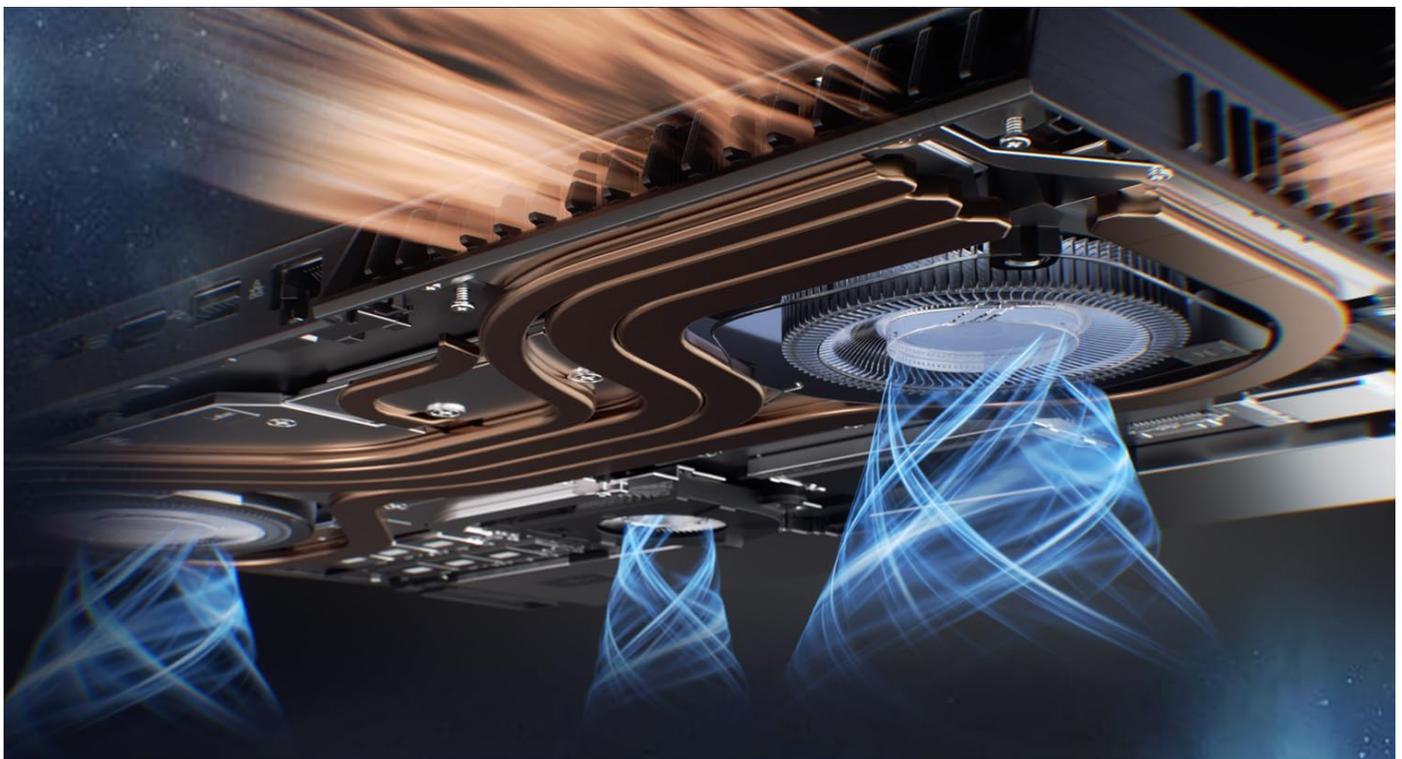
Image illustrating the advanced heat dissipation architecture of the Thunderobot Zero 18 Pro, featuring multiple fans and heat pipes for efficient cooling.

AI Intelligent Control Center

The AI Intelligent Control Center software allows for comprehensive system management, including performance tuning, intelligent light adjustment, and personalized customization. This includes monitoring CPU/GPU temperatures and fan speeds.

- **Performance Tuning:** Adjust power settings for quiet, balanced, or turbo modes.
- **Intelligent Light Adjustment:** Customize keyboard, strip, and logo RGB lighting effects.
- **System Monitoring:** View real-time CPU and GPU status.

Note: System mode switching in Control Center requires the device to be connected to a power source.

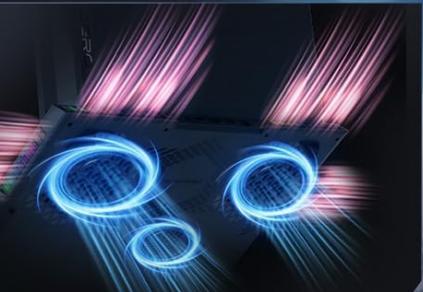


Phase change thermal conductivity

8.5W/high efficiency heat conduction, no pumping out, no offset, more durable.

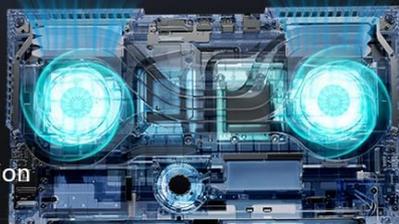
3*Night Owl Fan

12V high-voltage main fan, 19cm ultra-high air volume, increased D-side air intake, and 40% increase in air volume.



7*High efficiency heat pipe

3D high-conductivity heat pipes cover the heat center, accurately and quickly remove heat, and improve the heat dissipation effect by 25%.



Ultra-thin fin set

335 pieces of 0.075mm ultra-thin copper sheets, 256,000 square millimeters in total area.

Image displaying the AI Intelligent Control Center interface, showing options for performance tuning, lighting adjustments, and system monitoring.

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Video showcasing the Thunderobot Zero 18 Pro, including a demonstration of the AI Intelligent Control Center. This video highlights the software's capabilities for customization and performance management.

MAINTENANCE

Cleaning Your Laptop

- **Screen:** Use a soft, lint-free cloth lightly dampened with water or a screen cleaner. Avoid harsh chemicals.
- **Keyboard and Chassis:** Use a soft cloth to wipe surfaces. For dust in crevices, use compressed air.
- **Vents:** Periodically clean the cooling vents with compressed air to prevent dust buildup, which can affect performance.

Battery Care

- Avoid fully discharging the battery frequently.
- Store the laptop in a cool, dry place if not used for extended periods.
- For optimal battery health, avoid extreme temperatures.

Software Updates

Regularly check for and install operating system updates (Windows Update) and driver updates (via Thunderobot's official website or the AI Intelligent Control Center) to ensure system stability and performance.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Laptop does not power on.	No power, discharged battery, or hardware issue.	<ul style="list-style-type: none"> ◦ Ensure power adapter is securely connected. ◦ Charge the battery for at least 30 minutes. ◦ Try a different power outlet.
Screen is blank or black.	Display settings, external monitor connected, or hardware issue.	<ul style="list-style-type: none"> ◦ Press Fn + F7 (or relevant display toggle key) to switch display output. ◦ Disconnect any external monitors. ◦ Restart the laptop.
Overheating during use.	Blocked vents, high performance settings, or dust buildup.	<ul style="list-style-type: none"> ◦ Ensure vents are clear and unobstructed. ◦ Activate "One-Click Cooling" or adjust performance mode in AI Control Center. ◦ Clean vents with compressed air (refer to Maintenance).
Wi-Fi connection issues.	Wi-Fi disabled, driver issues, or router problems.	<ul style="list-style-type: none"> ◦ Check if Wi-Fi is enabled in Windows settings. ◦ Restart your router and modem. ◦ Update Wi-Fi drivers.

For further assistance, please contact Thunderobot customer support.

SPECIFICATIONS

Feature	Detail
Model Name	Zero 18 Pro
Processor	Intel Core Ultra 9 275HX (24 Cores, 24 Threads, up to 5.40GHz)
Graphics	NVIDIA GeForce RTX 5070 Ti (8 GB GDDR6 Dedicated)
RAM	32 GB DDR5 (4800 MHz)

Feature	Detail
Storage	2 TB PCIe M.2 SSD
Display	18-inch QHD+ (2560x1600) 240Hz Bionic Hummingbird Eye-Care Display
Operating System	Windows 11 Home
Connectivity	Wi-Fi 6E, Bluetooth, 3x USB-A, 2x USB-C (Thunderbolt 5), HDMI 2.1, RJ-45, Audio Port
Keyboard	Per-Key RGB Backlit, Numeric Keypad
Dimensions (LxWxH)	16.04 x 11.78 x 1.41 inches
Item Weight	15 pounds
Power Source	AC & Battery

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 technical support, warranty claims, or service inquiries, please visit the official Thunderobot website or contact their customer service department. Keep your purchase receipt and serial number handy for faster service.



Image detailing Thunderobot's warranty and service policy, including 12-month laptop warranty and 90-day replacement parts warranty.

