

Thunderobot ZERO 18 Pro

Thunderobot Zero 18 Pro 5090 Gaming Laptop User Manual

Model: ZERO 18 Pro

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your Thunderobot Zero 18 Pro 5090 Gaming Laptop. Please read this manual thoroughly before using the device and retain it for future reference. The Thunderobot Zero 18 Pro 5090 is a high-performance gaming laptop featuring an 18-inch QHD+ 240Hz 2.5K Hummingbird Display, powered by an Intel Core Ultra 9 275HX processor and an NVIDIA GeForce RTX 5090 graphics card. It comes equipped with 64GB DDR5 RAM and a 4TB PCIe M.2 SSD, designed for demanding applications and immersive gaming experiences.



2. KEY FEATURES

- **Processor:** Intel Core Ultra 9 275HX (24 Cores, 24 Threads, up to 5.40GHz)
- **Graphics:** NVIDIA GeForce RTX 5090
- **Display:** 18-inch QHD+ (2560x1600) 240Hz Hummingbird Eye-Care Display with anti-glare, anti-reflection, and anti-blue light features.
- **Memory:** 64GB DDR5 RAM
- **Storage:** 4TB PCIe M.2 SSD
- **Connectivity:** Wi-Fi 6E, Bluetooth, 3x USB Type-A, 2x USB Type-C (including Thunderbolt 5), HDMI, RJ-45, Audio Port.
- **Keyboard:** Per-Key RGB Backlit Keyboard with Numeric Keypad.
- **Cooling System:** Advanced heat dissipation with 3 Night Owl fans and 7 high-efficiency heat pipes.
- **Operating System:** Windows 11 Home.

3. SETUP GUIDE

3.1 Unpacking

Carefully remove the laptop and all accessories from the packaging. Ensure all components listed in the 'What's in the Box' section are present.

- Thunderobot Zero 18 Laptop
- Power Adapter and Cable
- Documentation (this manual, warranty card)

3.2 Initial Power On

1. Connect the power adapter to the laptop's power port and then to a wall outlet.
2. Open the laptop lid.
3. Press the power button, typically located above the keyboard or on the side.
4. Follow the on-screen instructions to complete the Windows 11 Home setup process. This includes setting up your user account, network connection, and privacy settings.



Image 3.1: The laptop connected to its power adapter, ready for initial setup.

4. OPERATING INSTRUCTIONS

4.1 Keyboard and Touchpad

The laptop features a Per-Key RGB Backlit Keyboard and an independent numeric keypad. Use the touchpad for cursor control and multi-touch gestures. Refer to the system settings for customizing touchpad gestures.

18" Bionic Hummingbird Eye-Care Display

240Hz Refresh Rate & 2560*1600 Resolution



Image 4.1: Close-up of the Per-Key RGB Backlit Keyboard and touchpad.

4.2 Display Settings

The 18-inch QHD+ 2.5K Hummingbird Eye-Care Display offers a 240Hz refresh rate. You can adjust display settings such as resolution, refresh rate, and color profiles through Windows Display Settings or the NVIDIA Control Panel.



Image 4.2: The laptop display showing a vibrant image, highlighting its visual capabilities.

4.3 Connectivity

The laptop provides various ports for connecting external devices:

- 3 x Superspeed USB Type-A ports
- 2 x Superspeed USB Type-C ports (one with Thunderbolt 5 support)
- 1 x HDMI port (for external displays)
- 1 x RJ-45 Ethernet port
- 1 x Audio Port (3.5mm headphone/microphone combo jack)

Wireless connectivity includes Wi-Fi 6E for high-speed internet and Bluetooth for connecting wireless peripherals.

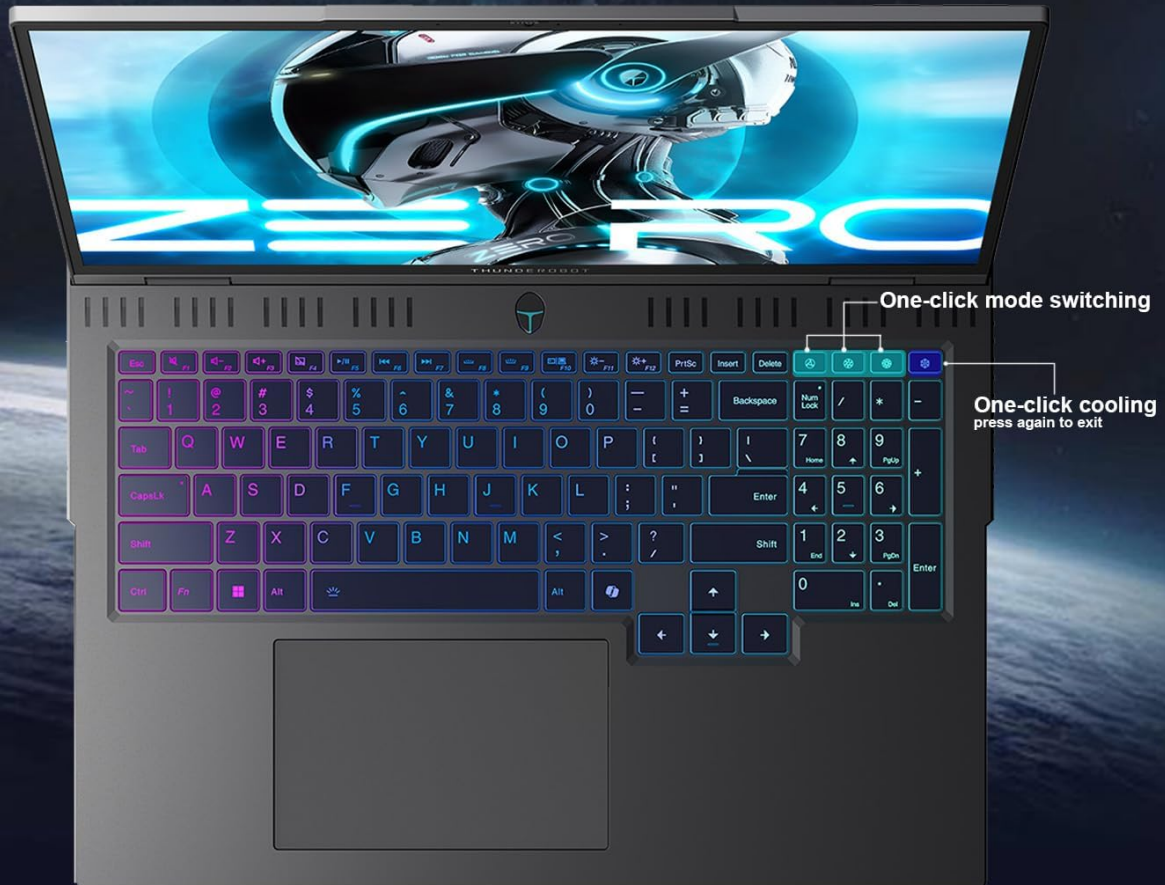
Fast Response, Smooth Gaming

Anti-fingerprint surface, comfortable hand feel, smooth gaming

16.8 million colors
Per-Key RGB Backlit Keyboard

Independent numeric keypad
Complete function key design

Performance mode
Shortcut key



Hint: Cooling mode must be exited before using the first three keys to switch modes.

Image 4.3: Side view of the laptop illustrating the various input/output ports.

4.4 AI Intelligent Control Center

The AI Intelligent Control Center software allows for performance tuning, intelligent light adjustment (RGB), and comprehensive system customization. This includes monitoring CPU/GPU fan speed, managing lighting effects, and switching between performance modes (Quiet, Balance, Turbo). Ensure the device is connected to a power source for full system mode switching capabilities.

AI intelligent control center

Performance Beast, Command the Battlefield,
Control Center Elevates Your Gaming Experience.

Performance tuning

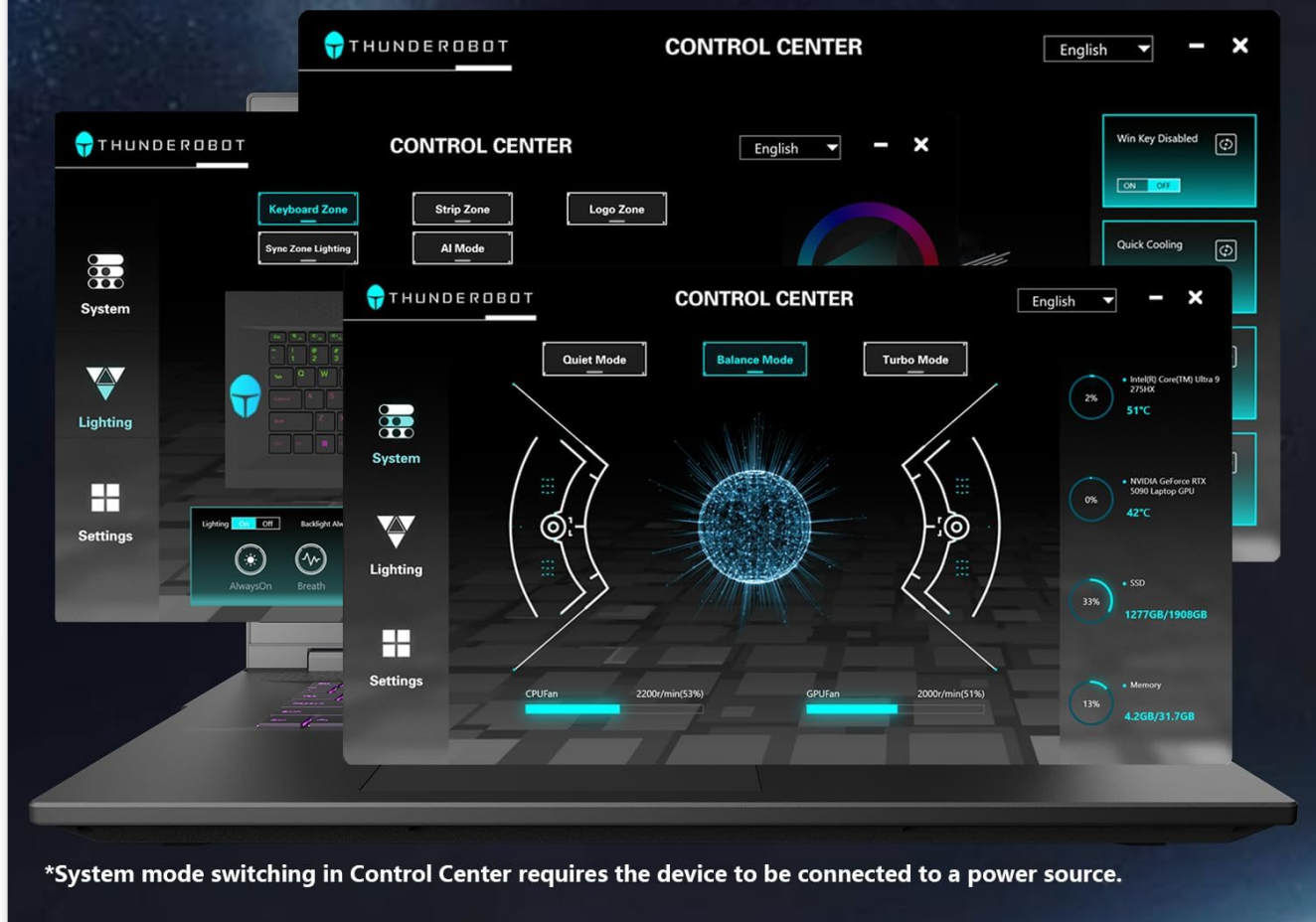
Full performance release

Intelligent light adjustment

Immersive gaming experience

Comprehensive adjustment

Personalized customization



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

Image 4.4: Screenshot of the AI Intelligent Control Center interface, showing various customization options.

5. MAINTENANCE

5.1 Cleaning

Regularly clean the laptop's screen, keyboard, and chassis with a soft, lint-free cloth. For stubborn smudges, use a screen cleaner specifically designed for electronics. Avoid using harsh chemicals or abrasive materials.

5.2 Heat Dissipation

The Thunderobot Zero 18 Pro features an advanced cooling system. To ensure optimal performance and longevity, keep the ventilation grilles clear of obstructions. Avoid operating the laptop on soft surfaces like beds or carpets that can block airflow. Periodically check for dust accumulation in the vents and clean them gently with compressed air if necessary.



Image 5.1: Diagram illustrating the internal cooling system with fans and heat pipes.

6. TROUBLESHOOTING

- **No Power:** Ensure the power adapter is securely connected to both the laptop and a working power outlet. Try a different outlet.
- **Display Issues:** If the screen is blank, try connecting an external monitor to verify if the issue is with the laptop's display or the graphics card. Restart the laptop.
- **Performance Slowdown:** Check for excessive background applications, update drivers, or ensure the cooling system is not obstructed. Use the AI Intelligent Control Center to switch to a performance mode.
- **Connectivity Problems:** For Wi-Fi issues, restart your router and the laptop. For wired connections, check the Ethernet cable. Ensure Bluetooth devices are properly paired.
- **Keyboard/Touchpad Unresponsive:** Restart the laptop. If the issue persists, check for driver updates.

For persistent issues, consult the Thunderobot support website or contact customer service.

7. SPECIFICATIONS

Feature	Detail
Brand	Thunderobot
Model Name	ZERO 18 Pro
Screen Size	18 Inches
Screen Resolution	2560 x 1600 pixels (QHD+)
Max Screen Resolution	2560x1600 Pixels
Processor	Intel Core Ultra 9 275HX (up to 5.4 GHz)
RAM	64 GB DDR5 (4800 MHz)
Hard Drive	4 TB SSD (PCIe x 4)

Feature	Detail
Graphics Coprocessor	GeForce RTX 5090 (Dedicated)
Wireless Type	802.11ax (Wi-Fi 6E)
Operating System	Windows 11 Home
Item Weight	15 pounds
Product Dimensions	16.04 x 11.78 x 1.41 inches
Color	Black
Special Feature	Numeric Keypad

8. 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 support website or contact their customer service department. Keep your purchase receipt and product serial number handy for faster service.



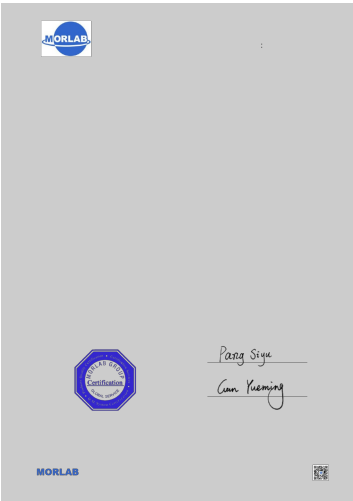
Image 8.1: Graphic detailing Thunderobot's warranty and service commitment.

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Related Documents - ZERO 18 Pro

	Thunderobot Control Center User Guide: Features and Settings Explore the Thunderobot Control Center, a comprehensive guide to managing your laptop's performance, LED keyboard, power modes, overclocking, and customization features. Learn to optimize your gaming experience.
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	Руководство пользователя Thunderobot Zero 18 Ultra и Zero 18 Radiant Официальное руководство пользователя для ноутбуков Thunderobot Zero 18 Ultra и Zero 18 Radiant. Содержит информацию о настройке, безопасности, функциях и технических характеристиках.
	Руководство пользователя ноутбуков Thunderobot Серия Zero Данное руководство пользователя содержит подробную информацию о ноутбуках Thunderobot Серия Zero, включая настройку, функции, меры предосторожности и устранение неполадок. Оно охватывает модели под управлением Microsoft Windows 11.
	Руководство пользователя игровых мониторов Thunderobot: F23H60, F23HF, C27H144, Q34H144 Полное руководство пользователя для игровых мониторов Thunderobot, включая модели F23H60, F23HF, C27H144 и Q34H144. Охватывает настройку, эксплуатацию, меры предосторожности и технические характеристики.
	Руководство пользователя ноутбука Thunderobot серии 911S Подробное руководство пользователя для ноутбука Thunderobot серии 911S, охватывающее настройку, эксплуатацию, безопасность, описание компонентов и устранение неисправностей.
	Руководство пользователя ноутбука Thunderobot серии Zero: Начало работы, безопасность и Windows 11 Полное руководство пользователя для ноутбуков Thunderobot серии Zero. Включает инструкции по настройке, меры предосторожности, информацию о Windows 11 и советы по безопасному использованию.



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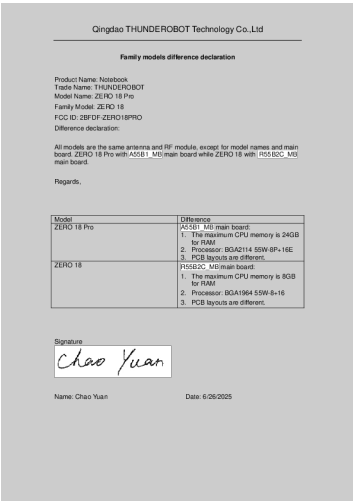
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2BFDF-ZERO18PRO STANDARD S : FCC 47 CFR Part 2 2.1093 IEEE 1528-2013

IEC TR 63170:2018 IEC/...

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Qingdao THUNDEROBOT Technology Co.,Ltd Family models difference declaration

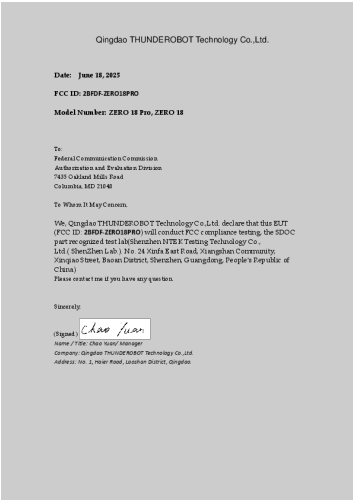
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Family Model: ZERO 18 FCC ID: 2BFDF-ZERO18PRO Difference declaration: All

models are the same antenna and RF module, except for model names and main

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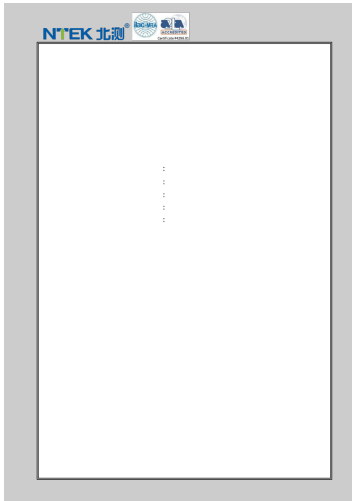
ZERO18PRO Model Number: ZERO 18 Pro, ZERO 18 To: Federal Communication

Commission Authorization and Evaluation Division 7435 Oakland Mills Road

Columbia, MD 21048 To Whom It May Concern, We, Qingdao THUNDEROBOT

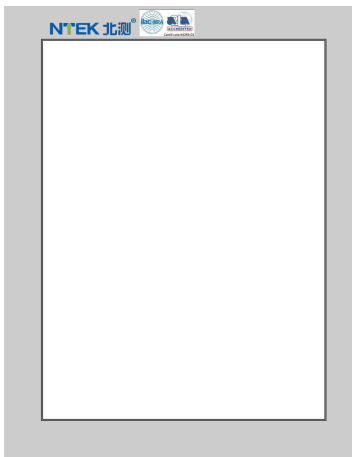
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18 Pro Family Model ZERO 18 Report No. S25030308003005 Issue Date: Apr. 21,
2025 Prepared for Qingdao THUNDEROBOT Technology Co.,Ltd. No. 1, Haier Road,
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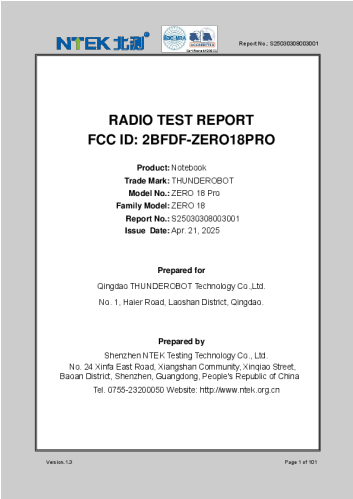
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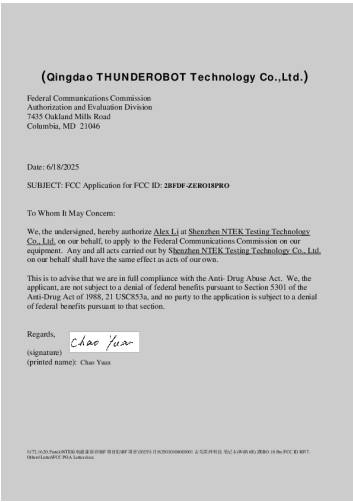
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Declaration Date: 6/25/2025 Federal Communications Commission 7435 Oakland

Mills Road Columbia, MD 21046 USA Attn: OET Dept. Product/ Model Number:

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Report No.: S25030308003004 FCC RADIO TEST REPORT FCC ID: 2BFDF-

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Pro Family Model: ZERO 18 Report No.: S25030308003004 Issue Date: Apr. 21,

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