

Thunderobot Zero 18 Pro

Thunderobot Zero 18 Pro 5070 Ti Gaming Laptop User Manual

Model: Zero 18 Pro

1. IMPORTANT SAFETY INFORMATION

Please read all safety instructions carefully before using your Thunderobot Zero 18 Pro gaming laptop to prevent damage and ensure safe operation. Keep this manual for future reference.

- **Power Adapter:** Use only the original power adapter provided with your laptop. Using an incompatible adapter may cause damage or fire.
- **Ventilation:** Ensure proper ventilation by keeping all vents clear of obstructions. Do not operate the laptop on soft surfaces like beds or sofas that can block airflow.
- **Liquid Exposure:** Keep the laptop away from liquids. In case of accidental spills, immediately power off the device and disconnect the power adapter.
- **Temperature:** Avoid operating the laptop in extreme temperatures (below 0°C or above 35°C) or high humidity.
- **Battery:** Do not attempt to replace the battery yourself. Contact authorized service personnel for battery replacement.

2. GETTING STARTED

2.1 Unboxing and Initial Setup

Carefully remove your Thunderobot Zero 18 Pro laptop and its accessories from the packaging. Inspect for any visible damage. The package should include the laptop, power adapter, and this user manual.



Image: Front view of the Thunderobot Zero 18 Pro Gaming Laptop, showcasing its large display and keyboard.

2.2 Connecting the Power Adapter

Connect the power adapter to the charging port on the laptop and then plug the power cable into a wall outlet. The laptop can be used while charging, and it is recommended to fully charge the battery before first use.

2.3 First Boot and Operating System Setup

Press the power button to turn on your laptop. Follow the on-screen instructions to complete the initial setup of Windows 11 Home. This process typically involves selecting your region, language, connecting to a network, and creating a user account.

2.4 Network Connection

During the Windows setup, you will be prompted to connect to a Wi-Fi network. The Thunderobot Zero 18 Pro supports Wi-Fi 6E for high-speed wireless connectivity. Alternatively, you can connect via an Ethernet cable to the RJ-45 port.

3. PRODUCT OVERVIEW

3.1 Ports and Connectors

The Thunderobot Zero 18 Pro offers a variety of ports for connectivity. Refer to the diagram below for port locations and descriptions:



The key to eye protection is reducing irritation from ambient light to the eyes. How to protect your eyes:
Anti-glare, Anti-reflection, Blue-light reduction

***ACR 190:1 Anti-glare + Anti-reflection**

ACR Technology + High Brightness (500 nits)
 Effectively improves readability in bright environments

Image: Diagram illustrating the various ports and connectors on the Thunderobot Zero 18 Pro laptop, including USB, HDMI, RJ-45, and Thunderbolt 5.

- **RJ-45:** For wired Ethernet network connection.
- **USB 3.2 Gen2 Type-A (x2):** High-speed USB ports for peripherals.
- **HDMI 2.1:** For connecting external displays.
- **Thunderbolt 5 Type-C:** High-bandwidth port for data, display, and power delivery.
- **Power Port:** For connecting the AC adapter.
- **USB 3.2 Gen1 Type-A (x1):** Standard USB port.
- **UHS-II SD Card Reader:** For high-speed memory card access.
- **USB 3.2 Gen1 Type-C:** Versatile USB port.
- **3.5mm Audio Jack:** For headphones or external speakers.

3.2 Keyboard and Touchpad

The laptop features a full-size keyboard with a dedicated numeric keypad and Per-Key RGB backlighting. The touchpad supports multi-touch gestures for intuitive navigation.



Image: Close-up of the Thunderobot Zero 18 Pro keyboard, highlighting the Per-Key RGB lighting and numeric keypad.

3.3 Display

Experience visuals on the 18-inch QHD+ (2560x1600) Bionic Hummingbird Eye-Care Display with a 240Hz refresh rate. This display features anti-glare, anti-reflection, and anti-blue light technologies for enhanced viewing comfort.



Image: The 18-inch QHD+ display of the Thunderobot Zero 18 Pro, emphasizing its high resolution, refresh rate, and eye-care features.

3.4 Webcam

The integrated FHD IR Camera supports Windows Hello for secure facial recognition login and provides clear video for communication.

4. OPERATING YOUR LAPTOP

4.1 Powering On/Off

- **Power On:** Press the power button located on the laptop chassis.
- **Power Off:** Click the Start button in Windows, then select Power > Shut down. Alternatively, press and hold the power button for a few seconds to force a shutdown (use only when necessary).

4.2 Adjusting Display Settings

To adjust resolution, refresh rate, or brightness:

- **Brightness:** Use the dedicated function keys (Fn + Fx) or Windows Display Settings.
- **Resolution/Refresh Rate:** Right-click on the desktop, select 'Display settings', then navigate to 'Advanced display settings' to change resolution and refresh rate (up to 2560x1600 at 240Hz).

4.3 Audio Settings

The laptop features 4 speakers with Smart AMP technology and Nahimic audio enhancements. Adjust volume using the function keys or the Windows sound settings. Nahimic software can be accessed for advanced audio customization.



Image: Visual representation of the laptop's audio system, emphasizing the 4 speakers and sound quality features.

4.4 Using the AI Intelligent Control Center

The Thunderobot Control Center software allows you to manage performance modes, lighting, and system monitoring. Access it via the desktop shortcut or Start Menu.

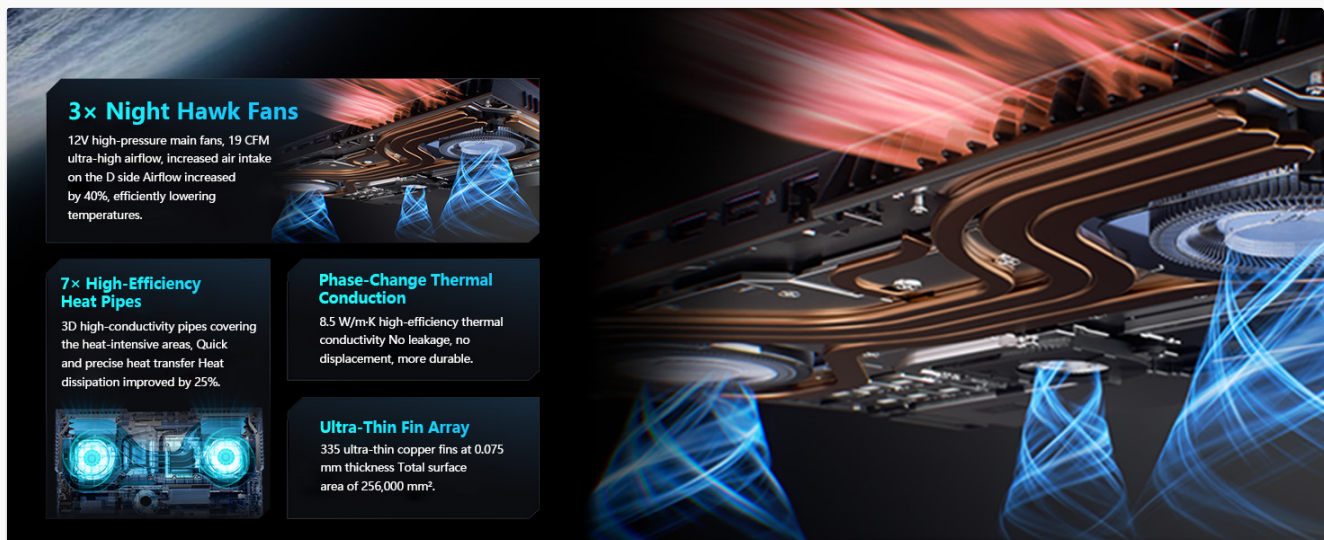


Image: Screenshot of the Thunderobot Control Center interface, showing options for performance tuning, intelligent light adjustment, and comprehensive system adjustments.

- **Performance Modes:** Switch between Quiet Mode, Balance Mode, and Turbo Mode to optimize performance and fan noise. Note: System mode switching requires the device to be connected to a power source.
- **Lighting Control:** Customize the Per-Key RGB keyboard and other Spectra RGB lighting zones.
- **System Monitoring:** View real-time CPU/GPU temperatures, fan speeds, and resource usage.

5. MAINTENANCE AND CARE

5.1 Cleaning the Laptop

- **Screen:** Use a soft, lint-free cloth lightly dampened with water or a screen cleaner. Do not spray cleaner directly onto the screen.
- **Keyboard and Chassis:** Use a soft brush or compressed air to remove dust and debris. Wipe surfaces with a slightly damp, soft cloth. Avoid harsh chemicals.

5.2 Battery Management

To prolong battery life:

- Avoid fully discharging the battery frequently.
- If storing the laptop for an extended period, charge the battery to about 50-60%.
- Avoid exposing the laptop to high temperatures, which can degrade battery performance.

5.3 Optimizing Cooling System

The Thunderobot Zero 18 Pro features an advanced cooling system with 3 Night Owl fans and 7 high-efficiency heat pipes. To ensure optimal cooling performance:



Image: Detailed diagram of the Thunderobot Zero 18 Pro's cooling system, showing the fans, heat pipes, and fin set for efficient heat dissipation.

- Always operate the laptop on a hard, flat surface to allow unrestricted airflow to the bottom vents.
- Regularly check and clean the air vents to prevent dust buildup, which can impede cooling efficiency.
- Utilize the 'Turbo Mode' in the Control Center for maximum cooling during intensive tasks.

5.4 Software and Driver Updates

Regularly update your operating system, drivers, and Thunderobot Control Center software to ensure optimal performance, security, and compatibility.

6. TROUBLESHOOTING

If you encounter issues with your laptop, try the following solutions before contacting support:

- **Laptop Not Powering On:** Ensure the power adapter is securely connected to both the laptop and a working power outlet. Check if the power indicator light is on.
- **No Display:** Connect an external monitor to verify if the issue is with the laptop's display. Try restarting the laptop.
- **Network Connection Issues:** Check Wi-Fi settings in Windows. Ensure your router is functioning correctly. For wired connections, verify the Ethernet cable is properly connected.
- **Performance Slowdown:** Close unnecessary applications. Check system resource usage in Task Manager. Ensure the laptop is in an appropriate performance mode via the Control Center.
- **Overheating:** Ensure vents are clear. Use the Control Center to monitor temperatures and activate 'Turbo Mode' if needed.

For more detailed diagnostics, use the Thunderobot Control Center's system monitoring features.

7. SPECIFICATIONS

Below are the detailed technical specifications for the Thunderobot Zero 18 Pro 5070 Ti Gaming Laptop:

Feature	Specification
Processor	Intel Core Ultra 9 275HX (24 Cores, 24 Threads, up to 5.40GHz)
Graphics	NVIDIA GeForce RTX 5070 Ti (Dedicated)
RAM	64 GB DDR5 (4800 MHz)
Storage	4 TB PCIe M.2 SSD
Display	18-inch QHD+ (2560x1600) 240Hz Bionic Hummingbird Eye-Care Display
Operating System	Windows 11 Home
Wireless Connectivity	Wi-Fi 6E, Bluetooth
Ports	3x USB 3.0 Type-A, 2x USB Type-C (including Thunderbolt 5), 1x HDMI 2.1, 1x RJ-45, 1x Audio Port
Webcam	FHD IR Camera
Keyboard	Per-Key RGB Backlit, Numeric Keypad
Dimensions (LxWxH)	16.04 x 11.78 x 1.41 inches
Weight	15 pounds



The image displays the Thunderobot Control Center software interface. It features a dark theme with various system monitoring widgets. On the left, there are tabs for 'System', 'Lighting', and 'Settings'. The main area shows 'Quiet Mode', 'Balance Mode', and 'Turbo Mode' for performance tuning. A central circular graphic displays system metrics. On the right, there are more settings and a 'Win Key Disabled' notification. The interface is overlaid on a laptop screen.

AI Intelligent Control Center

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

Performance tuning

Offers Quiet Mode, Balance Mode, and Turbo Mode to meet the needs for silent operation, power saving, and high performance.

Monitors CPU and GPU temperatures in real time.

Displays SSD and memory usage, with visualized CPU/GPU fan speed control to optimize cooling and stability.

Intelligent light adjustment

Zone control (Keyboard, Strip, Logo) with synchronized lighting (Sync Zone Lighting).

Multiple lighting effects (AlwaysOn, Breath, Gradient, Colorful, Starry, Ripple, Snake, Mark).

Full-color selection and brightness adjustment, with options to save, restore defaults, and load lighting profiles.

Comprehensive adjustment

Prevents accidental presses during gameplay.

Instantly boosts fan speed for rapid temperature reduction.

Choose Integrated, Hybrid, or Discrete mode to balance performance and battery life.

Increases performance output for demanding gaming sessions.

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

Image: Detailed specifications of the NVIDIA GeForce RTX 5070 Ti GPU, including CUDA Cores, memory, and AI computing power.

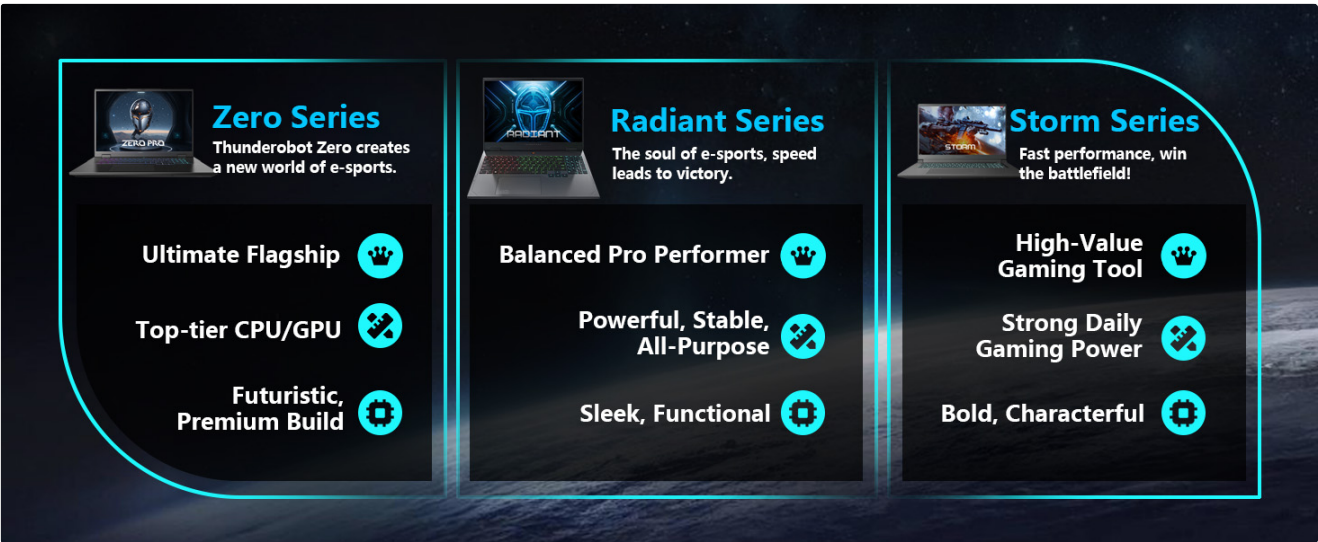


Image: Overview of the Intel Core Ultra 9 275HX Processor, detailing its core count, threads, and turbo frequency.

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.

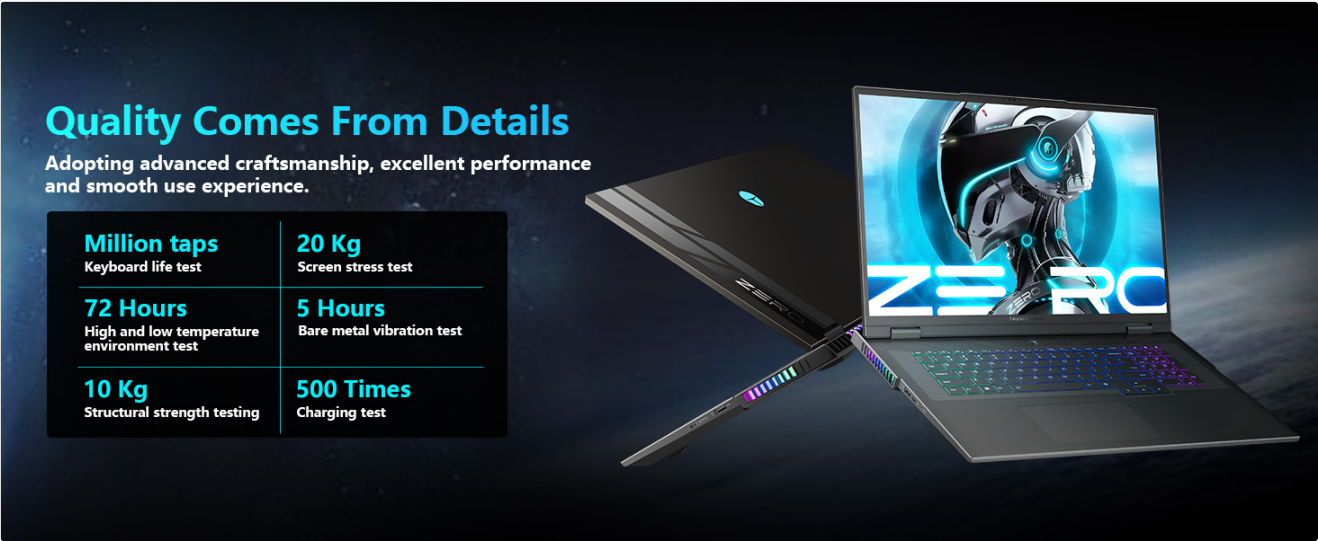
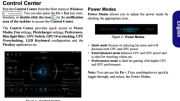


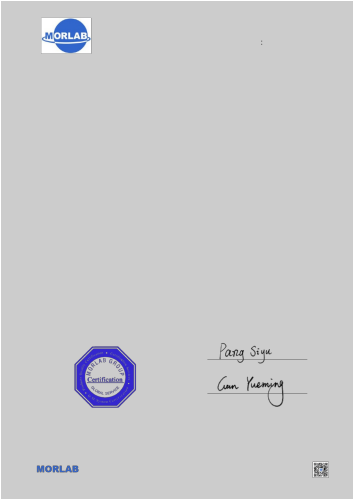
Image: Illustration of various quality assurance tests performed on Thunderobot laptops, including keyboard life, screen stress, and environmental tests.

8.1 Obtaining Support

For technical assistance, warranty claims, or service inquiries, please contact your retailer or visit the official Thunderobot support website for detailed contact information and resources.



	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.
	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.



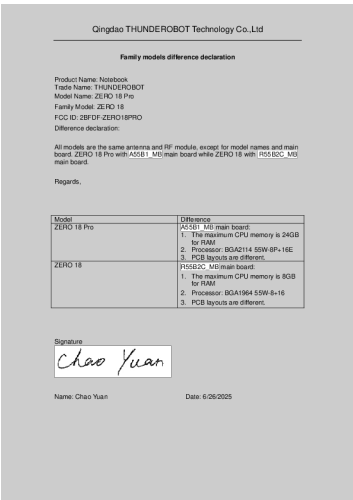
[pdf] Test Report SAR Rating

Jacky SJH SZ25030223S01 THUNDEROBOT ZERO 18 Pro FCC SAR PD Qingdao Technology Co Ltd

ZERO18PRO Notebook 2BFDF 2BFDFZERO18PRO zero18pro

REPORT No.SZ25030223S01 FCC TEST REPORT APPLICANT : Qingdao THUNDEROBOT Technology Co.,Ltd. PRODUCT NAME : Notebook MODEL NAME : ZERO 18 Pro, ZERO 18 BRAND NAME : THUNDEROBOT FCC ID TEST REPORT : 2BFDF-ZERO18PRO STANDARD S : FCC 47 CFR Part 2 2.1093 IEEE 1528-2013 IEC TR 63170:2018 IEC/...

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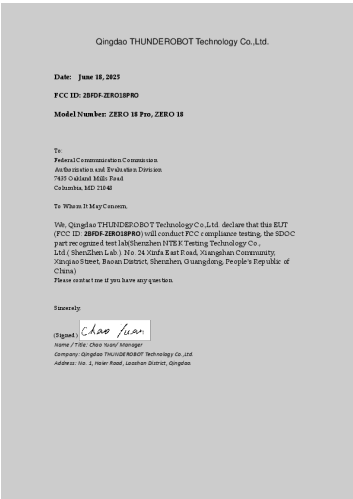
[pdf] Declaration of Conformity

tom Declaration on model difference Qingdao THUNDEROBOT Technology Co Ltd ZERO18PRO

Notebook 2BFDF 2BFDFZERO18PRO zero18pro

Qingdao THUNDEROBOT Technology Co.,Ltd Family models difference declaration Product Name: Notebook Trade Name: THUNDEROBOT Model Name: ZERO 18 Pro 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 boar...

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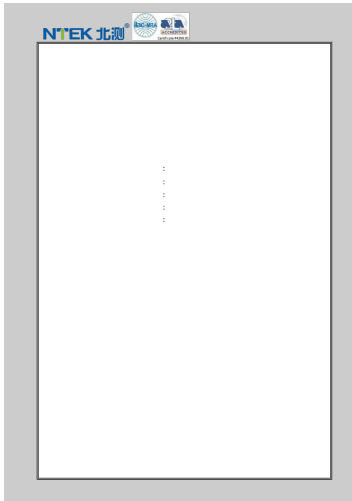


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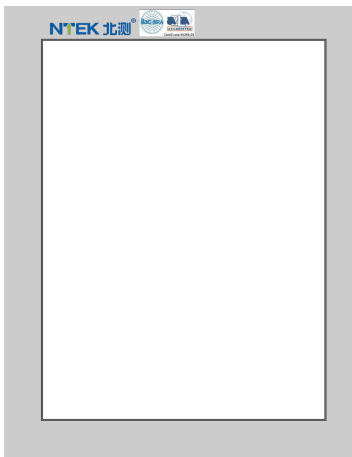
Qingdao THUNDEROBOT Technology Co.,Ltd. Date: June 18, 2025 FCC ID: 2BFDF-ZERO18PRO Model Number: ZERO 18 Pro, ZERO 18 To: Federal Communication Commission Authorization and Evaluation Division 7435 Oakland Mills Road Columbia, MD 21048 To Whom It May Concern, We, Qingdao THUNDEROBOT Technology Co.,...

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Measurement Report Kent 6G WIFI Test Qingdao THUNDEROBOT Technology Co Ltd ZERO18PRO
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Report No.: S25030308003005 FCC RADIO TEST REPORT FCC ID: 2BFDF-
ZERO18PRO Product Notebook Trade Mark THUNDEROBOT Model Name ZERO
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lang:en score:20 filesize: 1.83 M page_count: 54 document date: 2025-06-28



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ZERO18PRO Product: Notebook Trade Mark: THUNDEROBOT Model No.: ZERO 18
Pro Family Model: ZERO 18 Report No.: S25030308003002 Issue Date: Apr. 21,
2025 Prepared for Qingdao THUNDEROBOT Technology Co.,Ltd. No. 1, Haier Road,
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lang:en score:20 filesize: 4.61 M page_count: 84 document date: 2025-06-28



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ZERO18PRO Product: Notebook Trade Mark: THUNDEROBOT Model No.: ZERO 18
Pro Family Model: ZERO 18 Report No.: S25030308003003 Issue Date: Apr. 21,
2025 Prepared for Qingdao THUNDEROBOT Technology Co.,Ltd. No. 1, Haier Road,
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Measurement Report Kent 5G WLAN Test Qingdao THUNDEROBOT Technology Co Ltd ZERO18PRO

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

ZERO18PRO Product: Notebook Trade Mark: THUNDEROBOT Model No.: ZERO 18

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