

Thunderobot K104

Thunderobot K104 Wired Mechanical Keyboard User Manual

Model: K104

INTRODUCTION

This manual provides comprehensive instructions for the setup, operation, maintenance, and troubleshooting of your Thunderobot K104 Wired Mechanical Keyboard. Please read this manual thoroughly to ensure proper use and to maximize your product experience.

PACKAGE CONTENTS

- Thunderobot K104 Wired Mechanical Keyboard
- USB Cable (attached)
- User Manual (this document)

SETUP

1. **Unpacking:** Carefully remove the keyboard from its packaging.
2. **Connection:** Connect the attached USB cable from the keyboard to an available USB port on your computer. The keyboard is plug-and-play and should be recognized automatically by most operating systems.
3. **Placement:** Place the keyboard on a stable, flat surface. Adjust the dual-angle ergonomic feet on the underside of the keyboard to your preferred typing angle for maximum comfort.



Image: The Thunderobot K104 Wired Mechanical Keyboard, showcasing its full 104-key layout with blue, white, and yellow keycaps.

OPERATING INSTRUCTIONS

Key Features Overview

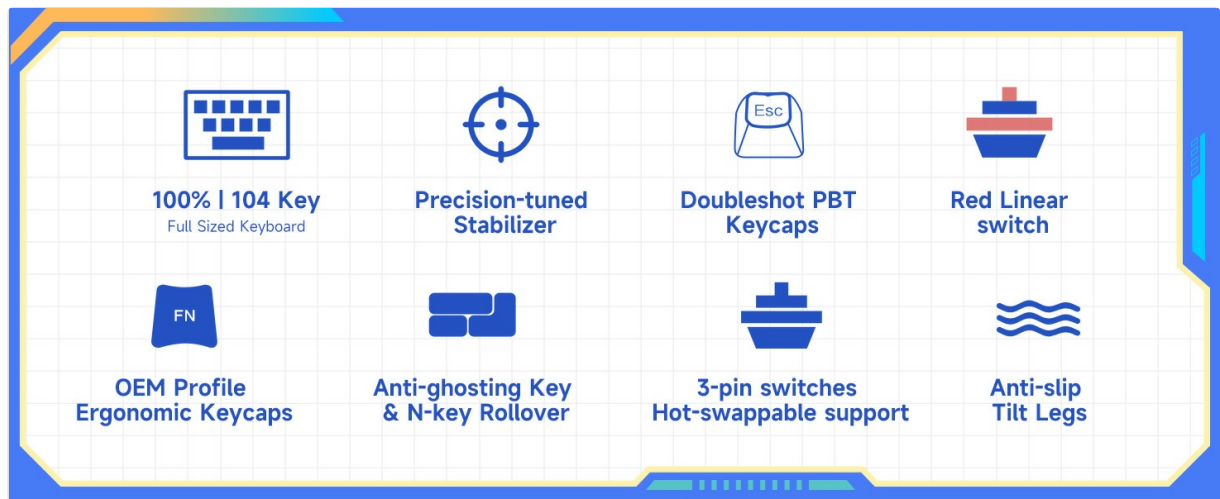


Image: An infographic highlighting key features including 104-key full-sized layout, precision-tuned stabilizer, Doubleshot PBT keycaps, 3-pin hot-swappable support, Red Linear switch, OEM Profile ergonomic keycaps, anti-ghosting & N-key rollover, and anti-slip tilt legs.

- **Full 104-Key Layout:** The keyboard features a complete 104-key layout, ensuring all standard functions are available. It supports N-Key Rollover, meaning every keystroke is registered accurately, even when multiple keys are pressed simultaneously.
- **Hot-Swappable Sockets:** The K104 is equipped with hot-swappable sockets, allowing users to easily replace 3-pin mechanical switches without soldering. This feature enables customization of typing feel and sound.
- **TR2.0 Keyswitches (Red Linear):** The keyboard utilizes upgraded POM stem switches, specifically TR Red switch 2.0 (Linear). These switches have an operation force of 45g, a total travel of 4.0 ± 0.4 mm, and a lifespan of 50 million keystrokes, providing a smooth and responsive typing experience.
- **PBT Double-Shot Keycaps:** Crafted with PBT Double-Shot Injection Molding, these keycaps are highly durable, resistant to fading, and maintain their legends over time. The OEM profile provides an ergonomic design for comfortable typing.
- **Customizable RGB Backlighting:** The keyboard features dynamic RGB lighting with various pre-programmed modes. Users can adjust brightness, speed, and colors to personalize their setup. Refer to the function key combinations for specific lighting controls.

- **Precision-Tuned Stabilizers:** Enhanced stabilizers ensure wobble-free keystrokes for larger keys, improving consistency and sound.
- **Dual-Angle Ergonomic Feet:** Anti-slip feet with two levels of angle adjustment allow users to customize the keyboard's tilt for optimal comfort during extended use.

Function Key Combinations

The Thunderobot K104 keyboard utilizes the 'Fn' key in combination with other keys to access various functions. Specific combinations for RGB lighting control, media playback, and other system functions are typically printed on the keycaps or detailed in a quick start guide. Please refer to these markings for full functionality.



Image: A close-up of the Thunderobot K104 keyboard highlighting the full 104-key layout, emphasizing comprehensive functionality for various needs.

TR2.0 KEYSWITCHES

Upgraded POM Stem Switch

Upgraded pom shaft, spring and base thicker, providing a smoother feel and more comfortable Auditory experience.

The standard red shaft pressure parameters, straight up and down press and rebound are more suitable for users with long time use and easy hand fatigue.



TR Red switch 2.0 (Linear)

Operation Force: 45g

Total Travel: 4.0 ± 0.4 mm

Lifespan: 50 million times keystrokes



Image: An illustration detailing the TR2.0 Keyswitches, specifically the Red Linear switch, with specifications on operation force, total travel, and lifespan.

DOUBLESHOT PBT KEYCAPS

OEM Profile Ergonomic Design

Made of two-color injection molding using PBT materials, it is not only wear-resistant, but will not become oily after long-term use.

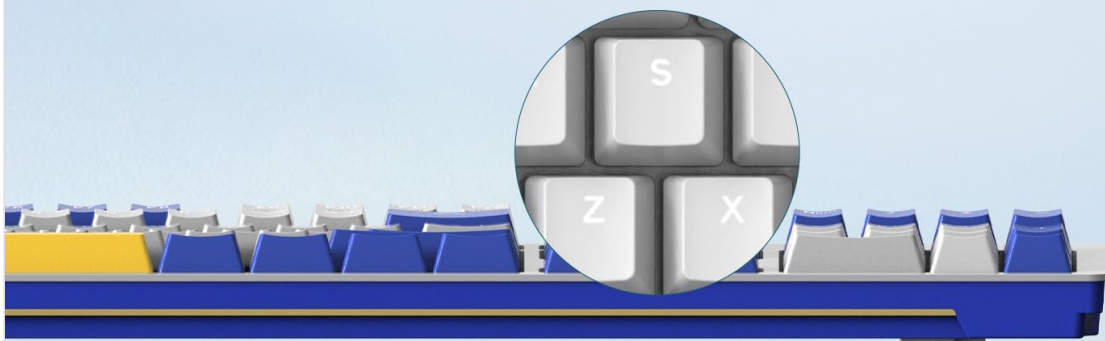


Image: A visual explanation of the Doubleshot PBT Keycaps, highlighting their wear-resistant and non-oily properties, along with an ergonomic OEM profile.

FINE TEXTURE&WARM TOUCH

Curved key cap layout, overall slope design,
front side height 0.93inch,
The rear side height of 1.34inch skin type shell material,
delicate and elegant.

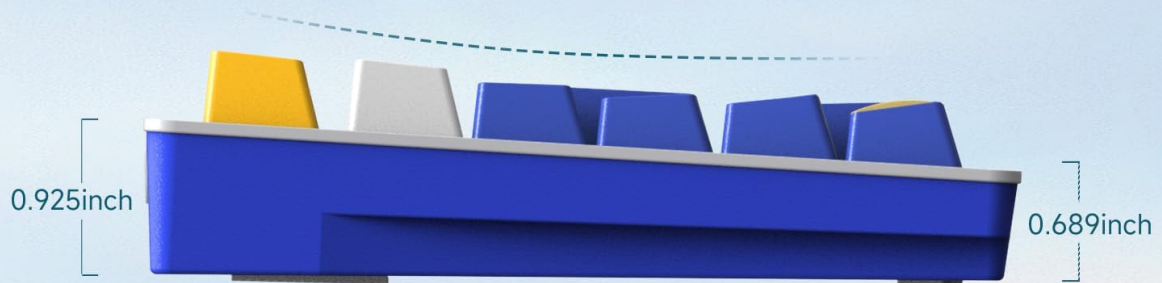


Image: A side profile view of the Thunderobot K104 keyboard, illustrating its curved keycap layout and overall slope design for ergonomic comfort, with front and rear height measurements.

MAINTENANCE

- **Cleaning:** Regularly clean the keyboard with a soft, dry cloth. For deeper cleaning, disconnect the keyboard and use compressed air to remove dust and debris from between the keycaps. A slightly damp cloth can be used for surface cleaning, but avoid excessive moisture.
- **Keycap Removal:** If you need to clean under the keycaps or replace switches, use a keycap puller (not included) to gently remove the keycaps. For switch replacement, use a switch puller (not included) to carefully extract the hot-swappable switches.
- **Storage:** When not in use for extended periods, store the keyboard in a clean, dry environment away from direct sunlight and extreme temperatures.

TROUBLESHOOTING

- **Keyboard Not Responding:**
 - Ensure the USB cable is securely connected to both the keyboard and the computer.
 - Try connecting the keyboard to a different USB port on your computer.

- Test the keyboard on another computer to rule out system-specific issues.
- **Keys Not Registering:**
 - Check for any debris or foreign objects under the affected keycap.
 - If using hot-swappable switches, ensure the switch is fully seated in its socket.
- **RGB Backlighting Not Working/Incorrect:**
 - Verify that the lighting functions are enabled via the appropriate Fn key combinations.
 - Ensure no software conflicts are present if using third-party customization tools.





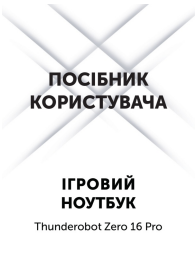

If issues persist after attempting these troubleshooting steps, please contact Thunderobot customer support.

SPECIFICATIONS

| Feature | Detail |
|-------------------------|---|
| Brand | Thunderobot |
| Model Number | TK104YLV (K104) |
| Connectivity Technology | Wired |
| Keyboard Description | Ergonomic, Mechanical |
| Key Layout | Full-Size 104-Key |
| Keycap Material | PBT Double-Shot |
| Switch Type | TR Red switch 2.0 (Linear), Hot-Swappable (3-pin) |
| Compatible Devices | PC, Laptop, Gaming Console |
| Product Dimensions | 5.28 x 17.72 x 0.93 inches |
| Item Weight | 6 pounds |
| Manufacturer | THUNDEROBOT Inc. |
| Date First Available | February 27, 2025 |

WARRANTY AND SUPPORT

Thunderobot products are manufactured to high-quality standards. For warranty information and customer support, please refer to the warranty card included with your purchase or visit the official Thunderobot website. Keep your proof of purchase for any warranty claims.

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|  | <p>Руководство пользователя игровых мониторов Thunderobot: F23H60, F23HF, C27H144, Q34H144</p> <p>Полное руководство пользователя для игровых мониторов Thunderobot, включая модели F23H60, F23HF, C27H144 и Q34H144. Охватывает настройку, эксплуатацию, меры предосторожности и технические характеристики.</p> |
|  | <p>Thunderobot KG3089R Mechanical Gaming Keyboard User Manual - Setup, Features & Support</p> <p>Comprehensive user guide for the Thunderobot KG3089R mechanical gaming keyboard. Learn about its features, RGB lighting customization, key shortcuts, safety precautions, and customer service information from Haier.</p> |
|  | <p>Thunderobot KG8104R Mechanical Gaming Keyboard User Manual</p> <p>User manual for the Thunderobot KG8104R mechanical gaming keyboard, providing setup instructions, safety guidelines, technical specifications, and customer support information.</p> |
|  | <p>Thunderobot G35 Bezdrátový Ovladač - Návod k Použití</p> <p>Podrobný návod k použití pro bezdrátový ovladač Thunderobot G35. Zjistěte, jak připojit, používat a spravovat funkce vašeho gamepadu.</p> |
|  | <p>Посібник користувача Thunderobot Zero 16 Pro: Інструкція з експлуатації та безпеки</p> <p>Офіційний посібник користувача для ігрового ноутбука Thunderobot Zero 16 Pro. Дізнайтеся про функції, початкову експлуатацію, заходи безпеки, обмеження відповідальності та гарантійні умови.</p> |
|  | <p>Thunderobot ONCE81 Keyboard User Manual</p> <p>User manual for the Thunderobot ONCE81 keyboard, detailing its features, setup, functions, and safety information in multiple languages.</p> |