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Titorion TM003

Titorion TM003 60% Hot-Swap Mechanical Gaming Keyboard User Manual

Model: TM003

1. INTRODUCTION

Welcome to your new Titorion TM003 Mechanical Gaming Keyboard. This manual provides essential information for the proper setup, operation, and maintenance of your device. Please read it carefully to ensure optimal performance and longevity of your keyboard.

The Titorion TM003 is a compact 60% mechanical keyboard designed for gaming and efficient typing. It features hot-swappable switches, allowing for easy customization and maintenance without soldering. The keyboard includes 69 keys with an ABNT2 layout, anti-ghosting technology, durable double injection keycaps, and customizable rainbow LED backlighting.



Image 1.1: Titorion TM003 Mechanical Gaming Keyboard overview.

2. PACKAGE CONTENTS

Ensure all items are present in the package:

- Titorion TM003 Mechanical Gaming Keyboard
- USB-C to USB-A Cable (1.5m)
- Keycap Puller
- Switch Puller

- Extra Switches (2 units, matching the purchased switch type)
- Additional Keycaps (for customization)



Image 2.1: Included accessories: switch puller, extra switches, and additional keycaps.

3. SETUP INSTRUCTIONS

3.1 Connecting the Keyboard

1. Locate the USB-C port on the back of the keyboard.
2. Connect the USB-C end of the provided cable to the keyboard.
3. Connect the USB-A end of the cable to an available USB port on your computer, notebook, PS4, PS5, Xbox One, or Xbox 360.
4. The keyboard will be automatically recognized by your operating system. No additional drivers are typically required.

HOT SWAP

Switch removível,
fácil manutenção!



DOUBLE INJECTION

Dupla camada, não
desgasta com o tempo!

Image 3.1: The keyboard features a removable USB-C cable for easy connection and portability.

3.2 Adjusting Keyboard Height

The keyboard features dual adjustable feet on the underside, allowing you to set the typing angle for improved ergonomics and comfort. Flip out the feet to raise the keyboard to your preferred height.

4. OPERATING INSTRUCTIONS

4.1 Switch Types

The Titorion TM003 keyboard is available with two types of mechanical switches:

- **Red Switches:** Offer a linear and smooth touch without tactile resistance, providing fast actuation and low noise. Ideal for fast-paced gaming.
- **Brown Switches:** Provide a tactile touch with a slight 'bump' during activation, but with reduced noise compared to clicky switches. Suitable for both typing and gaming.



Image 4.1: Description of Red and Brown switch characteristics.

4.2 Hot-Swap Functionality

The keyboard features hot-swappable sockets, allowing you to change switches without soldering. This enables easy customization and replacement of faulty switches.

1. To remove a switch, use the provided switch puller. Gently grip the switch from the top and bottom, then pull upwards until it detaches from the PCB.
2. To install a new switch, align its pins with the holes on the PCB. Press down firmly until the switch clicks into place. Ensure the pins are not bent during installation.



Image 4.2: Hot-swap feature allows for easy switch removal and replacement.

4.3 Keycap Replacement

The keyboard comes with additional keycaps for aesthetic customization. To replace keycaps:

1. Use the provided keycap puller to gently remove the desired keycap by hooking it underneath and pulling upwards.
2. Align the new keycap with the switch stem and press down firmly until it is securely attached.

4.4 Anti-Ghosting

The Titorion TM003 features full N-key rollover (NKRO) anti-ghosting technology. This ensures that every key press is registered accurately, even when multiple keys are pressed simultaneously, which is crucial for gaming.

4.5 Rainbow LED Backlighting

The keyboard is equipped with rainbow LED backlighting and pre-configured effects. Use the function keys (Fn) in combination with other keys to cycle through different lighting modes, adjust brightness, or change speed. Refer to the keyboard's specific key combinations for detailed control over lighting effects.

5. MAINTENANCE

5.1 Cleaning the Keyboard

To maintain your keyboard's appearance and functionality:

- Disconnect the keyboard from your computer before cleaning.
- Use a keycap puller to remove keycaps for thorough cleaning.
- Use compressed air to remove dust and debris from between the keys.
- Wipe keycaps and the keyboard surface with a soft, damp cloth. Avoid harsh chemicals.
- Ensure the keyboard is completely dry before reconnecting it.

5.2 Switch Maintenance

If a switch becomes unresponsive or feels different, you can replace it using the hot-swap feature as described in Section 4.2. The included extra switches can be used for this purpose.

6. TROUBLESHOOTING

If you encounter issues with your Titorion TM003 keyboard, try the following steps:

- **Keyboard not responding:** Ensure the USB cable is securely connected to both the keyboard and the computer. Try a different USB port or cable.
- **Specific keys not working:** If only a few keys are unresponsive, the switches might be faulty. Use the hot-swap feature to replace them with the extra switches provided.
- **Lighting issues:** Check the keyboard's lighting controls (Fn key combinations) to ensure the lighting is not turned off or set to a very low brightness.
- **Compatibility:** The keyboard is compatible with PC, notebooks, PS4, PS5, Xbox One, and Xbox 360. It is not compatible with Mac and Linux operating systems.

If problems persist after attempting these troubleshooting steps, please contact Titorion customer support for further assistance.

7. SPECIFICATIONS

Brand	Titorion
Model Number	TM003
Material	Plastic (ABS)
Keyboard Type	Mechanical
Hot-Swap	Yes
Switch Options	Brown or Red
Backlighting	Rainbow LED
Layout	ABNT2
Number of Keys	69
Connectivity	Wired (Removable USB Type-C)
Cable Length	1.5 meters
Product Dimensions	28 x 15 x 4 cm
Product Weight	690 g
Compatible Devices	PC, Notebook, PS4, PS5, Xbox 360, Xbox One

ESPECIFICAÇÃO TÉCNICA



Marca:	Titorion
Modelo:	TM003
Material:	ABS
Arquitetura:	Mecânico
Hot Swap	Sim
Switch:	Brown ou Red
Iluminação:	Rainbow
Layout:	ABNT2
Quantidade de teclas:	69
Conectividade:	Com fio Removível (USBx Tipo-C)
Comprimento do cabo:	1,5m
Compatibilidade:	Computador, Notebook, PS4, PS5, Xbox 360, Xbox One

Image 7.1: Detailed technical specifications of the Titorion TM003 keyboard.

8. PRODUCT DEMONSTRATION VIDEO

Watch this video for a visual demonstration of the Titorion TM003 keyboard's features, including its design, hot-swap functionality, switch types, and lighting effects.

Your browser does not support the video tag.

Video 8.1: Official product demonstration showcasing the Titorion TM003 keyboard's features and functionality.

9. WARRANTY AND SUPPORT

For warranty information, product support, or any inquiries not covered in this manual, please refer to the contact information provided with your purchase or visit the official Titorion website. Keep your proof of purchase for warranty claims.