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Tezarre TK61

Tezarre TK61 60% Mechanical Gaming Keyboard User Manual

Model: TK61

1. Introduction

The Tezarre TK61 is a compact 60% mechanical gaming keyboard designed for performance and customization. It features 61 keys, Gateron optical switches, vibrant RGB backlighting, and durable PBT pudding keycaps. This manual provides instructions for setup, operation, maintenance, and troubleshooting to ensure optimal use of your keyboard.



Image 1.1: Tezarre TK61 60% Mechanical Gaming Keyboard. This image displays the compact white keyboard with its vibrant RGB backlighting and USB-C cable.

2. Product Features

- **60% Compact Layout:** Features 61 keys, providing a minimalist design and more desk space for mouse movement.
- **Gateron Optical Switches:** Equipped with hot-swappable Gateron optical switches for sensitive and fast response times.
- **PBT Pudding Keycaps:** Durable double-shot PBT keycaps with translucent sides enhance RGB lighting effects.
- **Customizable RGB Backlighting:** Offers 16.8 million color combinations with 15 lighting effect modes, 7 brightness levels, and 5 adjustable breathing speeds.
- **Programmable Macros:** Supports macro recording and key remapping via dedicated Windows software for complex commands.
- **Anti-Ghosting & N-Key Rollover:** Ensures all key presses are registered accurately, even during rapid input.
- **IPX4 Waterproof Switches:** Gateron optical switches feature a unique light sensor structure for enhanced water resistance.
- **Wide Compatibility:** Compatible with Windows, MacOS, Linux, and Android operating systems.



Image 2.1: Overview of Tezarre TK61 key features. This graphic highlights the 60% compact layout, Gateron optical switches, PBT pudding keycaps, RGB backlighting, Windows/Mac compatibility, custom macro support, hot-swappable design, anti-ghosting, and ergonomics.

3. Setup

1. **Unpack the Keyboard:** Carefully remove the keyboard and all accessories from the packaging. The package typically includes the keyboard, a USB-C cable, a keycap puller, and a switch puller.



Image 3.1: Tezarre TK61 package contents. This image shows the keyboard, USB-C cable, keycap puller, and switch puller laid out next to the product box.

2. **Connect the USB-C Cable:** Insert the USB-C end of the provided cable into the port on the keyboard.
3. **Connect to Computer:** Plug the USB-A end of the cable into an available USB port on your computer (Windows, MacOS, Linux) or compatible device (Android).
4. **Driver Installation:** The keyboard is plug-and-play. Your operating system should automatically detect and install the necessary drivers. No manual driver installation is typically required for basic functionality.

4. Operating Instructions

4.1 Key Functions and FN Combinations

Due to its 60% compact layout, many functions are accessed via the Fn (Function) key in combination with other keys. Refer to the keyboard layout for specific Fn key combinations, which are often printed on the keycaps.

4.2 RGB Backlighting Control

The Tezarre TK61 features extensive RGB customization. Use the following methods to adjust the lighting:

- **Onboard Controls:** Specific Fn key combinations allow you to cycle through lighting modes, adjust brightness, and change breathing speeds directly on the keyboard. Consult your keyboard's specific keycap legends for these combinations (e.g., Fn + \| for mode, Fn + [{ for brightness, Fn +]} for speed).
- **Software Control:** For full customization, including 16.8 million colors, 15 lighting effects, and advanced settings, use the dedicated Windows software.



Image 4.1: Tezarre TK61 immersive RGB experience. This image illustrates the keyboard's customizable RGB lighting, highlighting 15 lighting effect modes, 7 backlight brightness levels, and 5 adjustable breathing speeds.

4.3 Programmable Macros and Key Remapping (Windows Software)

The Tezarre TK61 supports macro recording and key remapping through its custom software, which is currently available for Windows PC only.

1. **Download Software:** Obtain the latest software from the official Tezarre website.
2. **Install and Launch:** Follow the installation instructions and launch the application.
3. **Customize:** Within the software, you can remap keys, create complex macros, and configure multimedia controls.



Image 4.2: Tezarre TK61 Windows software interface. This screenshot displays the software's capabilities for RGB lighting control, macro management, and custom profile creation.

5. Maintenance

5.1 Cleaning the Keyboard

- **General Cleaning:** Use a soft, dry cloth to wipe the surface of the keyboard. For dust between keycaps, use compressed air.
- **Keycap Cleaning:** Use the provided keycap puller to carefully remove keycaps. Clean them with a mild soap

solution and a soft brush, then rinse thoroughly and ensure they are completely dry before reattaching.

5.2 Hot-Swappable Switches

The TK61 features hot-swappable Gateron optical switches, allowing for easy replacement or customization without soldering.

1. **Removing a Switch:** Use the provided switch puller. Align the puller's prongs with the two clips on the top and bottom of the switch. Squeeze gently and pull upwards to remove the switch.
2. **Installing a Switch:** Align the pins of the new Gateron optical switch with the holes on the PCB. Press down firmly until the switch clicks into place. Ensure it is seated correctly and functions properly.



Image 5.1: Tezarre TK61 hot-swappable optical switches. This image demonstrates the ease of removing and replacing switches, also highlighting the IPX4 waterproof rating for the switches.



Image 5.2: Detailed view of a Gateron Optical Switch. This image illustrates the internal mechanism of the switch, emphasizing its speed, waterproof design, and hot-swappable nature.

6. Troubleshooting

- **Keyboard Not Responding:**
  - Ensure the USB-C 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 a system-specific issue.
- **RGB Lighting Not Working/Incorrect:**
  - Check onboard lighting controls (Fn key combinations) to ensure lighting is not turned off or set to a very low brightness.
  - If using the software, ensure it is running and correctly configured. Restart the software and/or your computer.
- **Specific Keys Not Working:**

- Carefully remove the keycap and then the switch using the provided tools. Inspect the switch for any visible damage or debris.
- Try swapping the faulty switch with a known working switch from another less-used key to determine if the issue is with the switch or the keyboard PCB.
- Ensure the switch is fully seated when re-inserting.

- **Macros Not Executing:**
  - Verify that the Windows software is running and the macro is correctly programmed and assigned to the desired key.
  - Ensure the keyboard profile with the macro is active.

7. Specifications

Feature	Detail
Brand	Tezarre
Model Number	TK61
Layout	60% (61 keys)
Switch Type	Gateron Optical (Hot-Swappable)
Keycaps	PBT Pudding
Backlighting	RGB (16.8 million colors, multiple modes)
Connectivity	USB-C
Compatibility	Windows, MacOS, Linux, Android
Special Features	Anti-ghosting, N-key rollover, Programmable macros (Windows software), IPX4 Waterproof switches
Material	Polybutylene Terephthalate (PBT) for keycaps
Color	White

8. Warranty and Support

Tezarre offers a **180-day refund or replacement policy** for the TK61 keyboard. Additionally, customers are provided with **free lifetime technical support**.

For technical assistance, warranty claims, or further inquiries, please contact Tezarre customer support through their official website or the platform where the product was purchased.

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