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surmen GT61

Surmen GT61 60% Wireless Gaming Keyboard User Manual

MODEL: GT61 | BRAND: SURMEN

1. Introduction and Overview

The Surmen GT61 60% Wireless Gaming Keyboard is a compact, high-performance mechanical keyboard designed for both gaming and productivity. Featuring hot-swappable Gateron Yellow switches, vibrant RGB backlighting, and versatile multi-device Bluetooth connectivity, it offers a customizable and efficient typing experience. Its 60% layout provides a minimalist design while retaining essential functionality through FN key combinations.

Image: The Surmen GT61 60% Wireless Gaming Keyboard, showcasing its compact layout and Gateron Yellow switches.

2. Package Contents

Please verify that all items are present in your package:

- Surmen GT61 60% Wireless Gaming Keyboard
- USB Cable (USB-C)
- Keycap Puller

3. Setup

3.1 Initial Charging

The keyboard is powered by a 1300mAh Lithium Ion battery. Connect the included USB-C cable to the keyboard and a power source (e.g., computer USB port or wall adapter) to charge. A full charge provides up to 120 hours of use with RGB off, or 30 hours with RGB on.

3.2 Wireless (Bluetooth) Connection

The GT61 supports Bluetooth connectivity for up to 3 matching devices (PC, Laptop, Pad, Smart Phone). To switch between paired devices, press **FN + E**, **FN + R**, or **FN + T**.

Image: The Surmen GT61 keyboard demonstrating its ability to connect to up to three devices via Bluetooth.

3.3 Wired (USB-C) Connection

For a direct connection, use the included detachable USB-C cable. The keyboard supports plug-and-play functionality, providing a fast typing response without additional drivers.

Image: The back of the Surmen GT61 keyboard, highlighting its detachable USB-C port and wireless mode switch.

4. Operating Instructions

The GT61 features a 60% layout, which means some functions are accessed via the**FN** key in combination with other keys. Refer to the keycap legends for specific **FN** layer functions, including media controls and special characters.

4.1 RGB Lighting Control

The keyboard features customizable RGB backlighting with various modes and effects. These can typically be cycled through using specific **FN** key combinations (refer to keyboard legends for exact commands).

Video: Demonstration of the RGB lighting effects and the FN+Enter reset function on the Surmen GT61 keyboard.

5. Customization

5.1 Hot-Swappable Switches

The GT61 features a hot-swappable PCB, allowing you to easily change 3-pin or 5-pin MX-style mechanical switches (such as Cherry, Gateron, and Kailh) without soldering. This enables personalized typing feel and sound. The keyboard supports 99%+ of switches with 3-pin slots for easy DIY.

Image: A close-up view of the Surmen GT61 keyboard with some keycaps and switches removed, illustrating its hot-swappable design.

Image: An internal view of the Surmen GT61's PCB, highlighting the hot-swappable sockets for easy switch replacement.

5.2 PBT Keycaps

The keyboard comes with high-quality, oil-resistant PBT keycaps with an OEM profile. These keycaps provide uniform backlight and ergonomic curves, ensuring durability and consistent lettering that does not scratch off easily.

Image: A detailed view of a PBT keycap and the underlying Gateron switch on the Surmen GT61 keyboard.

6. Maintenance

To ensure the longevity and optimal performance of your Surmen GT61 keyboard, follow these maintenance guidelines:

- **Cleaning:** Regularly clean the keyboard with a soft, dry cloth to remove dust and debris. For deeper cleaning, use the provided keycap puller to gently remove keycaps and clean the switches and plate.
- **Switch/Keycap Replacement:** When replacing keycaps, use the included keycap puller to avoid damage. For hot-swappable switches, use a switch puller (not included) to carefully remove them from the PCB. Ensure proper alignment when inserting new switches.
- **Storage:** Store the keyboard in a cool, dry place away from direct sunlight and extreme temperatures.

7. Troubleshooting

If you encounter issues with your Surmen GT61 keyboard, refer to the following common solutions:

- **Connectivity Issues:** If the keyboard is not connecting via Bluetooth, ensure it is charged and within range of your device. Try re-pairing the device by putting the keyboard into pairing mode. For wired connection issues, ensure the USB-C cable is securely connected to both the keyboard and your computer.
- **RGB Lighting Not Working:** If RGB lighting is not functioning as expected or is stuck, try resetting the keyboard to default settings by pressing **FN + Enter**.
- **Keys Not Responding:** Ensure that the switches are properly seated in their sockets. If a specific key is not responding, consider replacing the switch as it may be faulty.
- **Lag or Input Delay:** Ensure the keyboard is fully charged. If using Bluetooth, try moving closer to your device or switching to a wired connection to rule out interference.

8. Specifications

Feature	Detail
Product Dimensions	12.2 x 4.13 x 1.38 inches
Item Weight	1.68 pounds
Manufacturer	GTSP
Item Model Number	GT61
Batteries	1 Lithium Ion batteries required (included)
Connectivity Technology	Bluetooth
Keyboard Description	Mechanical
Recommended Uses	Gaming
Special Features	Ergonomic, Backlit, Hotkeys and Media Keys
Color	JOKER (RGB Backlighting)
Number of Keys	61
Style	Retro

9. Warranty and Support

For product support, technical assistance, or warranty inquiries, please contact Surmen customer service.

Refer to your purchase documentation or the official Surmen website for specific warranty terms and contact information.

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