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surmen GT61

surmen GT61 60% Mechanical Gaming Keyboard User Manual

Model: GT61 | Brand: surmen

1. INTRODUCTION AND OVERVIEW

The surmen GT61 is a compact 60% mechanical gaming keyboard designed for versatility and performance. It offers both wireless Bluetooth 5.0 and wired USB-C connectivity, allowing seamless switching between multiple devices. Featuring hot-swappable switches and customizable RGB backlighting, the GT61 provides a personalized and responsive typing and gaming experience.



Image: The surmen GT61 keyboard showcasing its compact 60% layout and vibrant RGB backlit keycaps.

2. KEY FEATURES

- **Hot-swappable PCB:** Allows free replacement of 3-pin MX-style switches (compatible with Cherry, Gateron, Kailh, etc.) for easy customization and maintenance.

- **Gateron Red Switches:** Provides a quiet sound and fast action with minimal resistance, ideal for gaming performance.
- **Multi-Device Connectivity:** Connects up to 3 devices via Bluetooth wireless, perfect for PC, laptop, tablet, and smartphone. Easily switch between devices using FN+W/E/R.
- **Full Keys Anti-ghosting:** Ensures all 61 keys register simultaneously for fast and accurate typing response. Supports plug & play.
- **Oil-Resistant PBT Keycaps:** OEM profile keycaps offer uniform backlight and ergonomic curves, ensuring durable lettering that resists wear.
- **Durable Battery:** Equipped with a 1300mAh battery, providing up to 500 hours of standby time.

Hot-Swappable Switch

Yellow/Red/Blue/Black Gateron Switch



Image: Detail of the hot-swappable switch sockets, allowing for easy switch replacement.

PBT

Gateron Switch

High-quality PBT key cap
& anti-grease coating



Image: Highlighting the durable PBT keycaps and Gateron switches.

Durable 1300mAh Battery Capacity

Up to 500 Hours of Standby Time

RGB
Backlight



RGB
Backlight

120 Hrs
RGB Backlit off

30 Hrs
RGB Backlit on

Image: Information on the 1300mAh battery capacity and estimated usage times with and without RGB backlighting.

3. SETUP GUIDE

3.1 Wired Connection

To use the keyboard in wired mode, connect the provided USB-C cable to the keyboard's port and the other end to your computer's USB port. The keyboard will automatically detect the connection. To ensure it's in wired mode, press **FN + T**. The 'T' key will light up to indicate wired mode is active.

Your browser does not support the video tag.

Video: Demonstrates how to switch the keyboard to wired mode by pressing FN+T.

Ultra-low Latency Wireless Transmission



For a smarter
working way



For a no-worries
Gaming Vibe



Detachable
USB-C Wired



Image: The keyboard's underside, highlighting the detachable USB-C wired connection and wireless switch.

3.2 Wireless (Bluetooth) Connection

The GT61 keyboard supports Bluetooth 5.0 and can connect to up to three different devices. To pair a device:

1. Ensure the keyboard's power switch (located on the underside) is set to "ON".
2. Press **FN + Q**, **FN + W**, or **FN + E** to select one of the three Bluetooth channels. The corresponding key (Q, W, or E) will flash, indicating it's in pairing mode.
3. On your device (PC, laptop, tablet, or smartphone), enable Bluetooth and search for "SURMEN GT61" (or similar).
4. Select the keyboard from the list of available devices to complete the pairing process. The key will stop flashing once connected.
5. To switch between paired devices, simply press **FN + Q/W/E** for the desired channel.

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Video: Illustrates connecting the keyboard to up to 3 devices via Bluetooth using FN+Q/W/E.

60% MINI KEYBOARD

FN + E / R / T to switch



Connects with up to 3 sevice via Bluetooth



Image: The 60% mini keyboard demonstrating its ability to connect to multiple devices like laptops, tablets, and smartphones.

4. OPERATING INSTRUCTIONS

4.1 Function Key Combinations (FN Key)

The FN key allows access to secondary functions printed on the keycaps. Hold down the FN key and press the desired key to activate its secondary function.

- **FN + Q/W/E:** Switch between Bluetooth channels 1, 2, and 3.
- **FN + T:** Switch to Wired USB mode.
- **FN + Enter:** Restore the keyboard to its default settings.
- **FN + \ | :** Cycle through various RGB lighting effects.
- **FN + [{ /] :** Adjust backlight brightness.
- **FN + ; : / ' " :** Adjust backlight speed.
- **FN + < , / > . / ? / :** (Commonly used for arrow keys on 60% keyboards when FN is held)

- **FN + A/S/D/F/G/H/J/K/L:** (Commonly used for multimedia controls like Play/Pause, Stop, Previous, Next, Volume Up/Down/Mute)

Your browser does not support the video tag.

Video: Demonstrates various RGB lighting modes and effects on the keyboard.

4.2 Hot-Swapping Switches

The GT61 features a hot-swappable PCB, allowing you to change switches without soldering. This is useful for customizing typing feel or replacing faulty switches.

1. Using the included keycap puller, gently remove the keycap from the switch you wish to replace.
2. Using the included switch puller, carefully grip the switch from its top and bottom clips and pull straight up to remove it from the PCB.
3. Align the pins of the new 3-pin MX-style switch with the holes on the PCB. Ensure the pins are straight to avoid bending.
4. Gently push the new switch into place until it clicks securely.
5. Re-attach the keycap.



Image: The keyboard's PCB with 3-pin slots, illustrating its hot-swappable design for easy DIY switch changes.

5. MAINTENANCE

- **Cleaning:** Regularly clean the keyboard with a soft, dry cloth. For deeper cleaning, remove keycaps and use compressed air to clear dust and debris from between switches.
- **Keycap Care:** The PBT keycaps are oil-resistant, but occasional cleaning with a damp cloth (water only) can help maintain their appearance. Ensure keycaps are completely dry before reattaching.
- **Storage:** When not in use for extended periods, store the keyboard in a dry, cool place away from direct sunlight and extreme temperatures.

6. TROUBLESHOOTING

- **Keyboard Not Responding (Wired):**
 - Ensure the USB-C cable is securely connected to both the keyboard and the computer.
 - Try a different USB port on your computer.
 - Press **FN + T** to confirm the keyboard is in wired mode.

- **Keyboard Not Connecting (Bluetooth):**

- Ensure the keyboard's power switch is "ON".
- Verify that Bluetooth is enabled on your device.
- Press **FN + Q/W/E** to enter pairing mode for the desired channel.
- Remove the keyboard from your device's Bluetooth list and attempt to re-pair.
- Ensure the keyboard battery is charged.

- **RGB Lighting Issues:**

- Press **FN + \ |** to cycle through lighting modes.
- Adjust brightness using **FN + [{ /] }**
- If issues persist, try resetting the keyboard to default settings by pressing **FN + Enter**.

- **Keys Not Registering / Double Typing:**

- This could indicate a faulty switch. Use the hot-swapping instructions to replace the affected switch.
- Ensure the switch is fully seated in the PCB.

Your browser does not support the video tag.

Video: A general overview of the 60% wireless gaming keyboard, which may help in understanding its basic functions and troubleshooting.

7. SPECIFICATIONS

Attribute	Detail
Brand	surmen
Model Number	GT61
Connectivity Technology	Bluetooth 5.0, USB-C Wired
Keyboard Description	Mechanical
Switch Type	Gateron Red (Hot-swappable 3-pin)
Number of Keys	61
Keycap Material	PBT (Oil-Resistant)
Backlighting	RGB
Battery Capacity	1300mAh Lithium Ion (included)
Item Weight	1.7 pounds
Package Dimensions	12.91 x 5.75 x 2.05 inches
Compatible Devices	Laptop, PC, Tablet, Smartphone
Manufacturer	GTSP
Country of Origin	China
Date First Available	October 26, 2021

8. WARRANTY AND SUPPORT

For warranty information, technical support, or any inquiries regarding your surmen GT61 keyboard, please contact the manufacturer, GTSP, directly through their official support channels or the platform where the product was purchased.

Please retain your proof of purchase for any warranty claims.

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