

Transformers TF-GK01

Transformers GK01 Wireless Mechanical Keyboard User Manual

Model: TF-GK01 | Brand: Transformers

1. INTRODUCTION

This manual provides detailed instructions for the setup, operation, and maintenance of your Transformers GK01 Wireless Mechanical Keyboard. The GK01 is a versatile keyboard featuring tri-mode connectivity (Bluetooth 5.0, 2.4GHz wireless, and USB-C wired), a 101-key layout, RGB backlighting, and hot-swappable switches for a customizable typing experience.



Figure 1.1: Transformers GK01 Wireless Mechanical Keyboard.

2. PACKAGE CONTENTS

Please verify that all items listed below are included in your package:

- Transformers GK01 Wireless Mechanical Keyboard
- USB-C to USB-A Cable
- 2.4GHz Wireless USB Dongle
- 2-in-1 Keycap and Switch Puller
- User Manual (this document)
- Spare Switches (2 pieces)
- Keyboard Cover

3. SETUP AND CONNECTION

3.1. Tri-Mode Connection Overview

The GK01 keyboard supports three connection modes: USB-C wired, 2.4GHz wireless, and Bluetooth 5.0. You can connect to up to five devices simultaneously and switch between them seamlessly.

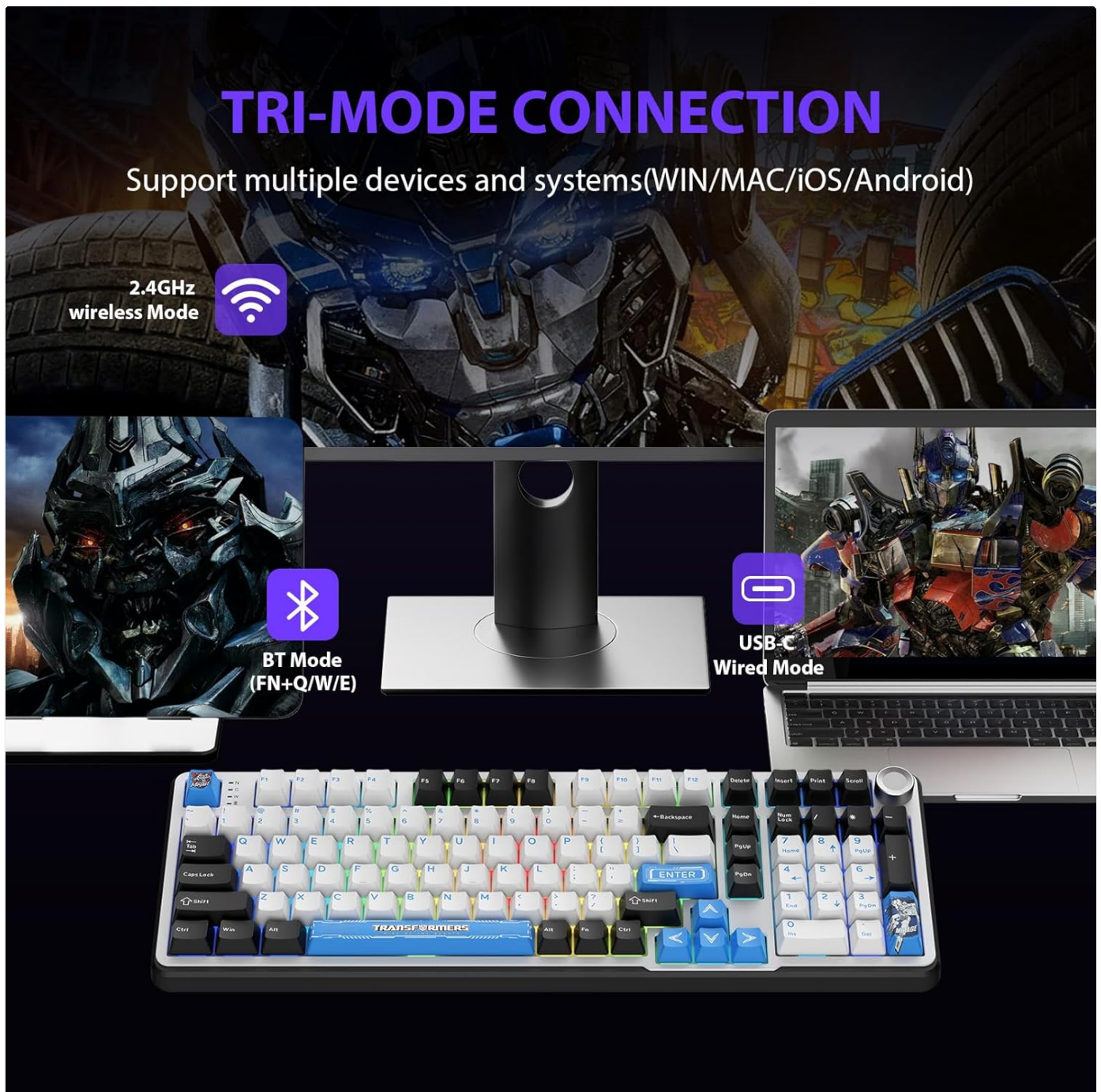


Figure 3.1: Tri-Mode Connection Capabilities.

3.2. USB-C Wired Connection

1. Locate the USB-C port on the keyboard.
2. Connect one end of the provided USB-C cable to the keyboard.
3. Connect the other end of the USB-C cable to an available USB-A port on your computer.
4. The keyboard will be automatically recognized and ready for use.

3.3. 2.4GHz Wireless Connection

1. Locate the 2.4GHz wireless USB dongle.
2. Plug the dongle into an available USB-A port on your computer.
3. On the keyboard, ensure the mode switch (usually on the side or back) is set to 2.4GHz mode.
4. The keyboard should connect automatically. If not, press **Fn + R** to initiate pairing.



Figure 3.2: USB-C Port and 2.4GHz Dongle Location.

3.4. Bluetooth 5.0 Connection

The keyboard supports connecting to up to three Bluetooth devices (BT1, BT2, BT3).

1. On the keyboard, set the mode switch to Bluetooth mode.
2. To enter pairing mode for a specific Bluetooth channel, press and hold **Fn + Q** (for BT1), **Fn + W** (for BT2), or **Fn + E** (for BT3) for 3-5 seconds until the indicator light flashes rapidly.
3. On your device (PC, tablet, smartphone), open Bluetooth settings and search for new devices.
4. Select "Transformers GK01" from the list of available devices.
5. Once connected, the indicator light on the keyboard will stop flashing.
6. To switch between paired Bluetooth devices, simply press **Fn + Q**, **Fn + W**, or **Fn + E**.

4. BASIC OPERATION

4.1. Keyboard Layout and Anti-Ghosting

The GK01 features a 101-key layout, providing a full set of keys including a numeric keypad. All keys are equipped with anti-ghosting technology, ensuring that every keystroke is registered accurately, even when multiple keys are pressed simultaneously.

98% EFFICIENT LAYOUT

101 KEYS

5.65 in

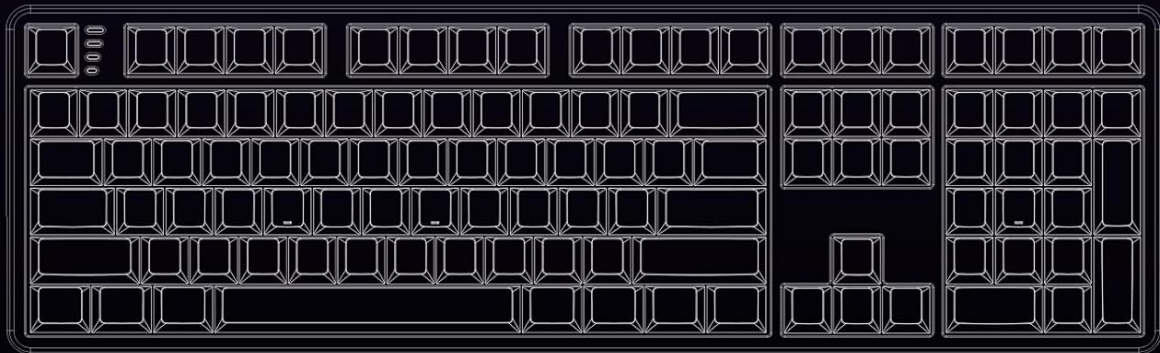


16.15 in

98%
layouts



Shrinkage of 108%
of the distribution



108% layouts

Figure 4.1: 101-Key Layout.

4.2. Multimedia Control Knob

The dedicated knob located on the top right of the keyboard provides convenient multimedia control:

- **Rotate Clockwise:** Increase volume.
- **Rotate Counter-Clockwise:** Decrease volume.
- **Press Down:** Mute/Unmute audio.



Figure 4.2: Multimedia Control Knob.

4.3. RGB Backlight Control

The GK01 keyboard features 16.8 million color RGB backlighting with various effects.

- **Fn + [Right Arrow]:** Adjust 5 brightness levels.
- **Fn + [Left Arrow]:** Adjust 5 speed levels for dynamic effects.
- **Fn + [Insert]:** Switch between 20 different backlight modes.
- **Fn + [Enter]:** Switch color order within certain modes.
- **Fn + [X]:** Turn off light / activate power-saving mode.
- **Fn + [Backspace]:** Switch color order within certain modes.



Figure 4.3: RGB Backlight Controls.

5. ADVANCED FEATURES

5.1. Hot-Swappable Switches

The GK01 keyboard is equipped with pre-lubricated Cybertron linear switches and supports solder-free hot-swapping. This allows you to easily replace switches with compatible 3-pin or 5-pin mechanical switches without soldering. To replace a switch:

1. Using the provided 2-in-1 keycap and switch puller, gently remove the keycap from the desired switch.
2. Insert the switch puller onto the switch, ensuring it grips the top and bottom clips of the switch.
3. Gently pull the switch straight up to remove it from the PCB.
4. Align the pins of the new switch with the holes on the PCB. Ensure the pins are straight to avoid bending.
5. Press the new switch firmly into place until it clicks.
6. Re-attach the keycap.

16.8 Million RGB Backlight

Support music rhythm RGB lighting effects via software.

		Adjust 5 Brightness Levels
		Adjust 5 Speed Levels
		Switch 20 Backlit Modes
		Switch color order
		Turn off light/power Saving mode
		Switch color order

Figure 5.1: Hot-Swappable Switch Replacement.

5.2. Programmable Software

The GK01 supports custom software for advanced customization, including key remapping, macro creation, and detailed RGB lighting effects.

- The software is compatible only with the Windows operating system.
- The keyboard must be connected via USB-C wired mode to use the software.
- For driver download, please visit the official Transformers Keyboard website or refer to the link provided in the product packaging.

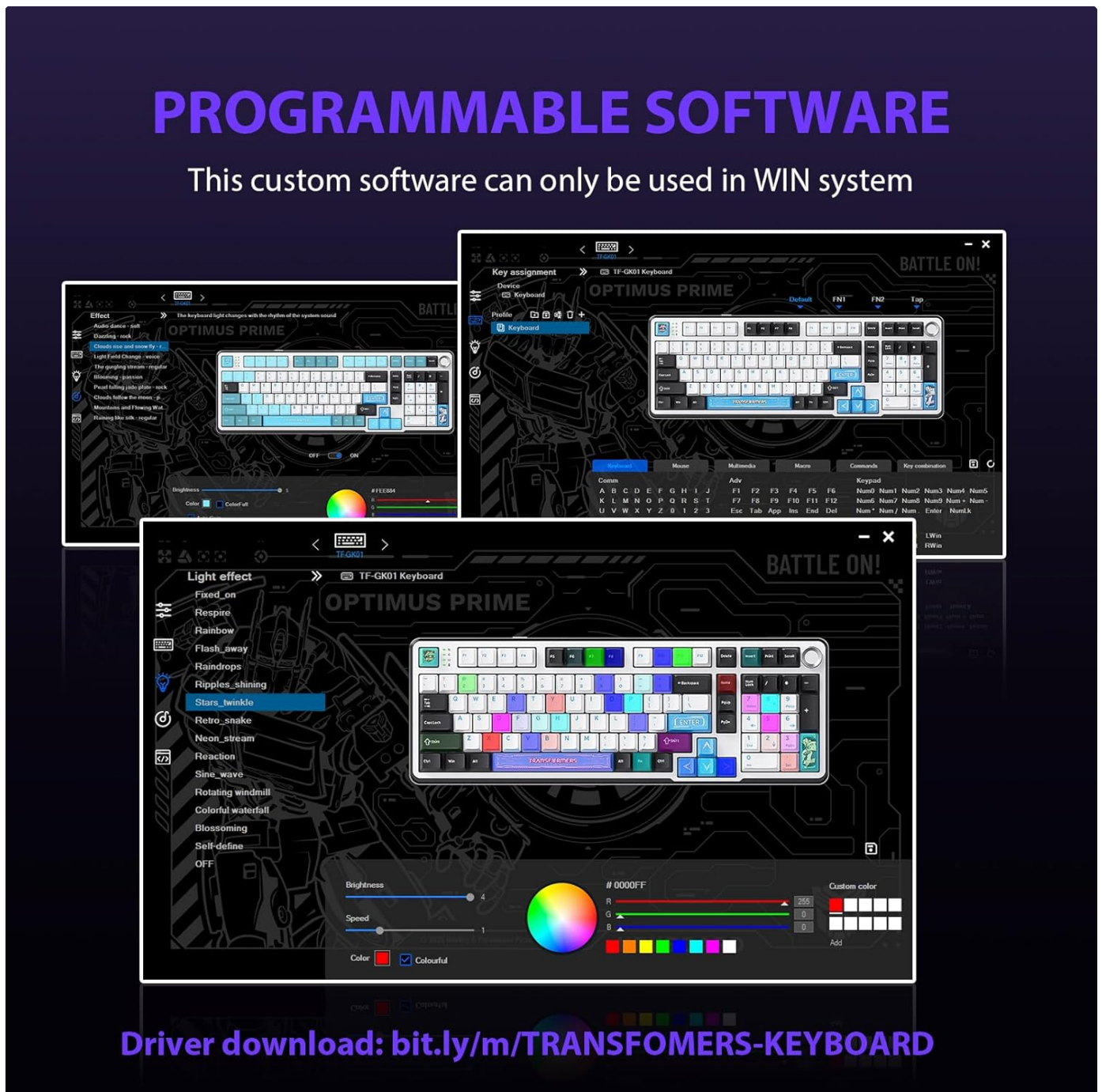


Figure 5.2: Programmable Software Interface.

5.3. Gasket Mounted Structure

The keyboard features a five-layer sound-absorbing and shock-absorbing gasket mounted structure. This design effectively reduces hollow noise and provides a softer, more consistent typing feel by isolating the plate from the case.

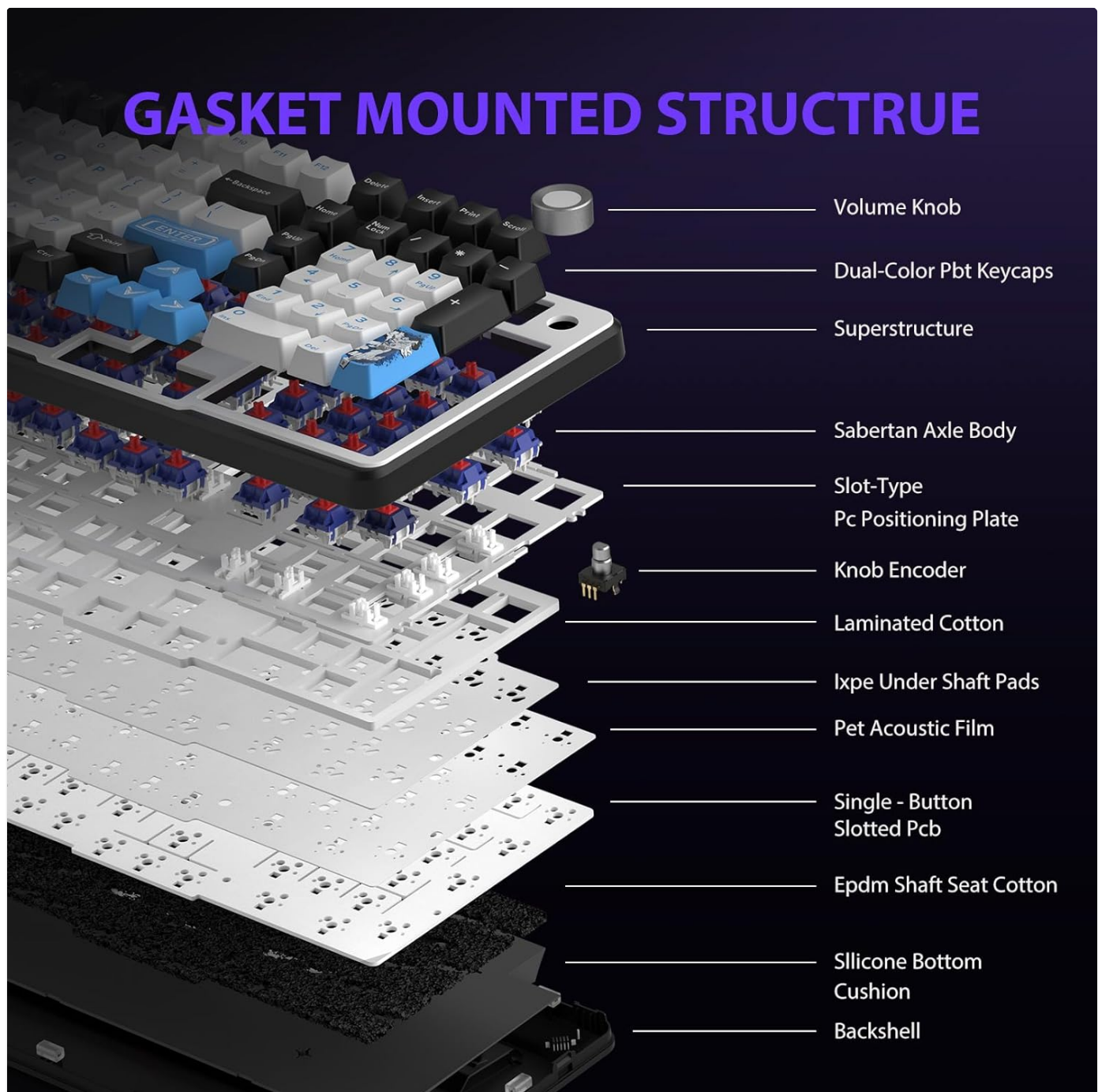


Figure 5.3: Gasket Mounted Structure Components.

6. BATTERY MANAGEMENT

The GK01 keyboard is equipped with a 4000mAh rechargeable battery.

- **Charging:** Connect the keyboard to a USB power source using the provided USB-C cable. The indicator light will show charging status.
- **Battery Life:** A fully charged battery provides extended usage time. Actual battery life may vary based on usage patterns and RGB lighting intensity.
- **Power Saving:** The keyboard will enter a power-saving sleep mode after a period of inactivity to conserve battery. Press any key to wake it up.

7. MAINTENANCE

7.1. Cleaning the Keyboard

- Disconnect the keyboard from all power sources before cleaning.
- Use a soft, lint-free cloth slightly dampened with water or a mild cleaning solution to wipe the keycaps and chassis.
- For dust and debris between keycaps, use compressed air or a small brush.
- Avoid using harsh chemicals or abrasive materials.

7.2. Keycap and Switch Care

- The PBT keycaps are designed for durability and fade resistance.
- Refer to Section 5.1 for instructions on safely removing and replacing keycaps and switches.
- Ensure the keyboard feet are clean and free of debris for stable placement.



Figure 7.1: Adjustable Keyboard Feet.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Keyboard not responding in wireless mode.	Low battery, incorrect mode selected, dongle not connected, Bluetooth not paired.	Charge the keyboard. Ensure the mode switch is set correctly (2.4GHz or BT). Re-insert the 2.4GHz dongle. Re-pair Bluetooth connection. Try wired mode to confirm keyboard functionality.
Keys not registering or double-typing.	Loose switch, software issue, debris under keycap.	Ensure switches are fully seated. Clean under keycaps. If using programmable software, ensure it's updated or try resetting keyboard settings.
RGB backlight not working or stuck.	Backlight turned off, software conflict.	Press Fn + X to toggle backlight. Check programmable software settings.
Cannot connect via Bluetooth.	Keyboard not in pairing mode, device Bluetooth off, interference.	Ensure keyboard is in Bluetooth pairing mode (Fn + Q/W/E long press). Ensure device Bluetooth is on and discoverable. Move closer to the device.

9. SPECIFICATIONS

Feature	Detail
Model Number	TF-GK01
Connectivity	Bluetooth 5.0, 2.4GHz Wireless, USB-C Wired
Keyboard Type	Mechanical

Feature	Detail
Layout	101 Keys (Full-size)
Switches	Pre-lubed Cybertron Linear Switches, Hot-Swappable (3-pin/5-pin compatible)
Keycaps	Heat-sublimated PBT
Backlighting	RGB (16.8 Million Colors, 20 modes, music rhythm effects via driver)
Battery Capacity	4000mAh
Product Dimensions	16.15 x 5.65 x 1.63 inches (41.02 x 14.35 x 4.14 cm)
Item Weight	2.24 pounds (1.02 kg)
Compatible Devices	Laptop, PC, Smartphone, Tablet
Special Features	Anti-Ghosting (all keys), Multimedia Control Knob, Programmable Keys (via software), Rechargeable


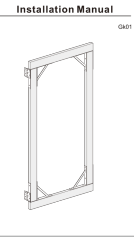
10. WARRANTY AND SUPPORT





For information regarding warranty coverage, technical support, or service inquiries, please refer to the warranty card included with your product or visit the official Transformers Keyboard website.

Manufacturer: Transformers

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Related Documents - TF-GK01

	JOYACCESS Wireless Keyboard and Mouse Combo: Pairing Instructions Step-by-step guide for pairing JOYACCESS wireless keyboard and mouse devices using the USB receiver. Includes instructions for both keyboard and mouse setup.
	JuBest Gk01 Heavy Duty Gate Corner Brace Installation Manual Comprehensive installation guide for the JuBest Gk01 Heavy Duty Gate Corner Brace Bracket, providing step-by-step instructions for assembling and installing anti-sag gate hardware for wooden fence, driveway, and corral gates.

	<p>iClever IC-GK01 2.4G Wireless Touchpad Keyboard User Manual</p> <p>User manual for the iClever IC-GK01 2.4G Wireless Touchpad Keyboard, detailing its features, specifications, preparation, touchpad usage, function keys, sleep mode, troubleshooting, and warnings.</p>
	<p>TF-Y11 Bluetooth Speaker User Manual and Specifications</p> <p>User manual for the TRANSFORMERS TF-Y11 Bluetooth speaker, detailing specifications, operation, safety, warranty, and FCC compliance. Includes product information and troubleshooting.</p>
	<p>TRANSFORMERS TF-GK03 CYBERTRON SWITCH Gaming Mechanical Keyboard User Manual</p> <p>Official user manual for the TRANSFORMERS TF-GK03 CYBERTRON SWITCH Gaming Mechanical Keyboard, detailing features, specifications, function key operations, and regulatory compliance in multiple languages.</p>
	<p>Infiniti FX35/FX45 Driveline/Axle Transfer System Service Manual</p> <p>Comprehensive service manual detailing the Driveline/Axle Transfer System for Infiniti FX35 and FX45 models, covering troubleshooting, repair procedures, and specifications.</p>