

linkerfoo LF102R3

Linkerfoo LF102R3 Wireless Mechanical Gaming Keyboard User Manual

Model: LF102R3

1. PRODUCT OVERVIEW

The Linkerfoo LF102R3 is a full-size wireless mechanical gaming keyboard designed for versatility and performance. It features multiple connectivity options, customizable switches, and advanced structural design for an enhanced typing and gaming experience.



Image 1: Overview of the Linkerfoo LF102R3 Mechanical Keyboard, showcasing its compact layout, knob control, 4000mAh battery,

gasket structure, 16.8M RGB backlit, hot-swappable switches, triple-mode connection, and N-key rollover.

2. PACKAGE CONTENTS

Before setup, please verify that all items are present in the package:

- Linkerfoo LF102R3 Mechanical Keyboard
- USB-C Cable
- Keycap Puller
- Switch Puller
- User Manual (this document)
- 2 Blueberry Switches (extra)

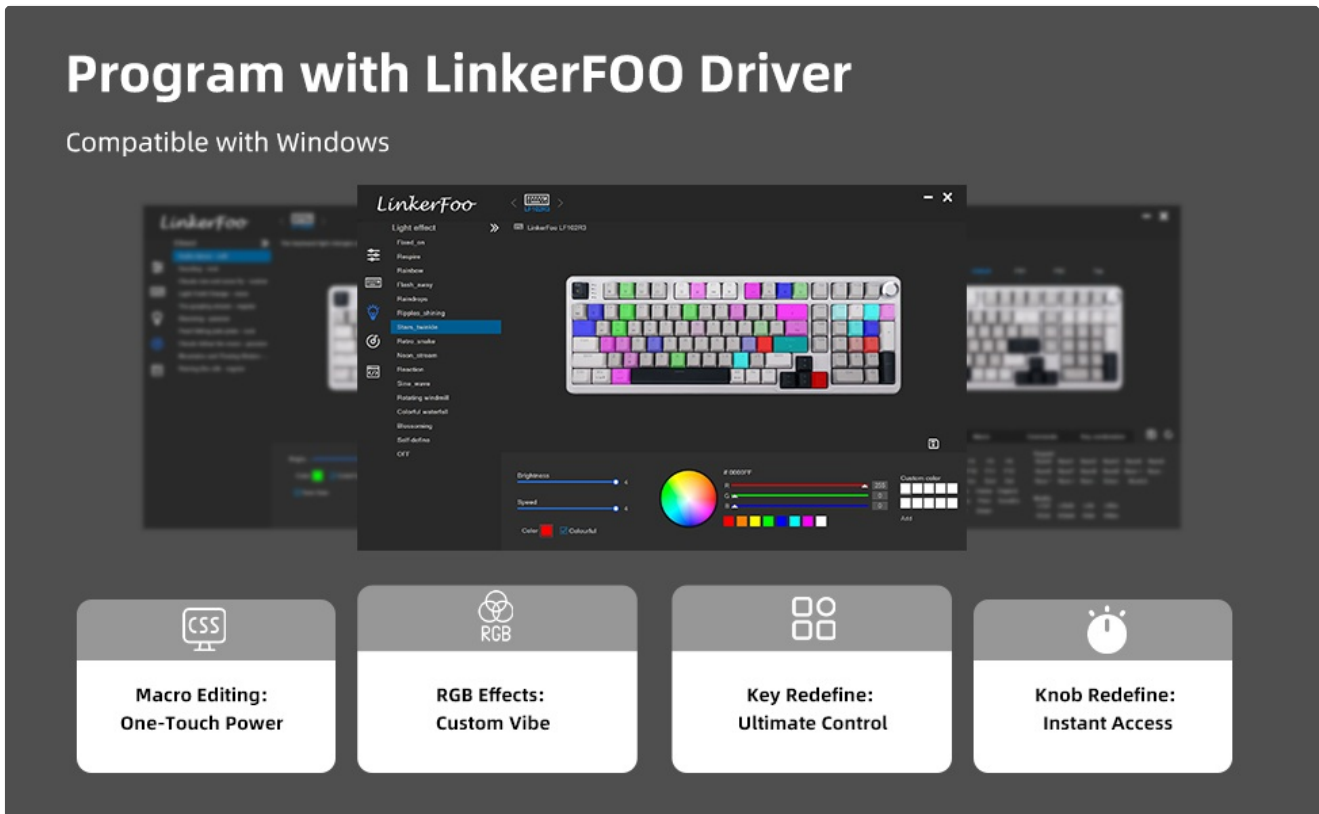


Image 2: Exploded diagram illustrating the internal components of the LF102R3 keyboard, including the aluminum knob, PBT keycaps, PET top case, Blueberry custom switch, PORON plate foam, PET insulation soundproof film, PCB single key slotted design, PC plate, EVA case foam, PET sound pad, IXPE switch under-pad, and bottom protective case.

3. SETUP GUIDE

3.1 Initial Charging

Before first use, connect the keyboard to a USB power source using the provided USB-C cable to ensure it is fully charged. The battery indicator will show charging status.

3.2 Connectivity Modes

The LF102R3 supports three connection modes: Bluetooth 5.0, 2.4GHz Wireless, and USB-C Wired. Use the switch located on the side of the keyboard to select your desired mode.

- **USB-C Wired Mode:** Connect the USB-C cable from the keyboard to your computer. The keyboard will automatically switch to wired mode.
- **2.4GHz Wireless Mode:** Plug the 2.4GHz USB receiver into an available USB port on your computer. Switch

the keyboard to 2.4G mode. The keyboard should connect automatically.

- **Bluetooth 5.0 Mode:** Switch the keyboard to BT mode. Press and hold **Fn + 1/2/3/4/5** to enter pairing mode for up to five different devices. On your device, search for 'LF102R3' and connect.

Custom Blueberry Switches

Actuation Force
55+5gf

Actuation Travel
4.0mm±0.1mm

Lifespan 100 Million
Polling rate:1000Hz



Image 3: Side view of the Linkerfoo LF102R3 keyboard, highlighting the switch for selecting between Bluetooth (BT), 2.4GHz wireless, and wired (WIN/MAC) modes.

3.3 Hot-Swappable Switches

The LF102R3 keyboard features hot-swappable sockets, allowing you to change switches without soldering. It is compatible with both 3-pin and 5-pin mechanical switches.

- **Removing a Switch:** Use the provided switch puller to gently grip the top and bottom clips of the switch and pull upwards.
- **Installing a Switch:** Align the pins of the new switch with the holes on the PCB. Press down firmly until the switch clicks into place. Ensure pins are straight to avoid bending.



Image 4: Detailed view demonstrating the hot-swappable feature of the LF102R3 keyboard, showing a switch being removed with the included puller tool.

4. OPERATING INSTRUCTIONS

4.1 Multi-Function Control Knob

The keyboard features an intuitive control knob for quick adjustments:

- **Rotate Clockwise:** Increase volume.
- **Rotate Counter-clockwise:** Decrease volume.
- **Press:** Play/Pause media.

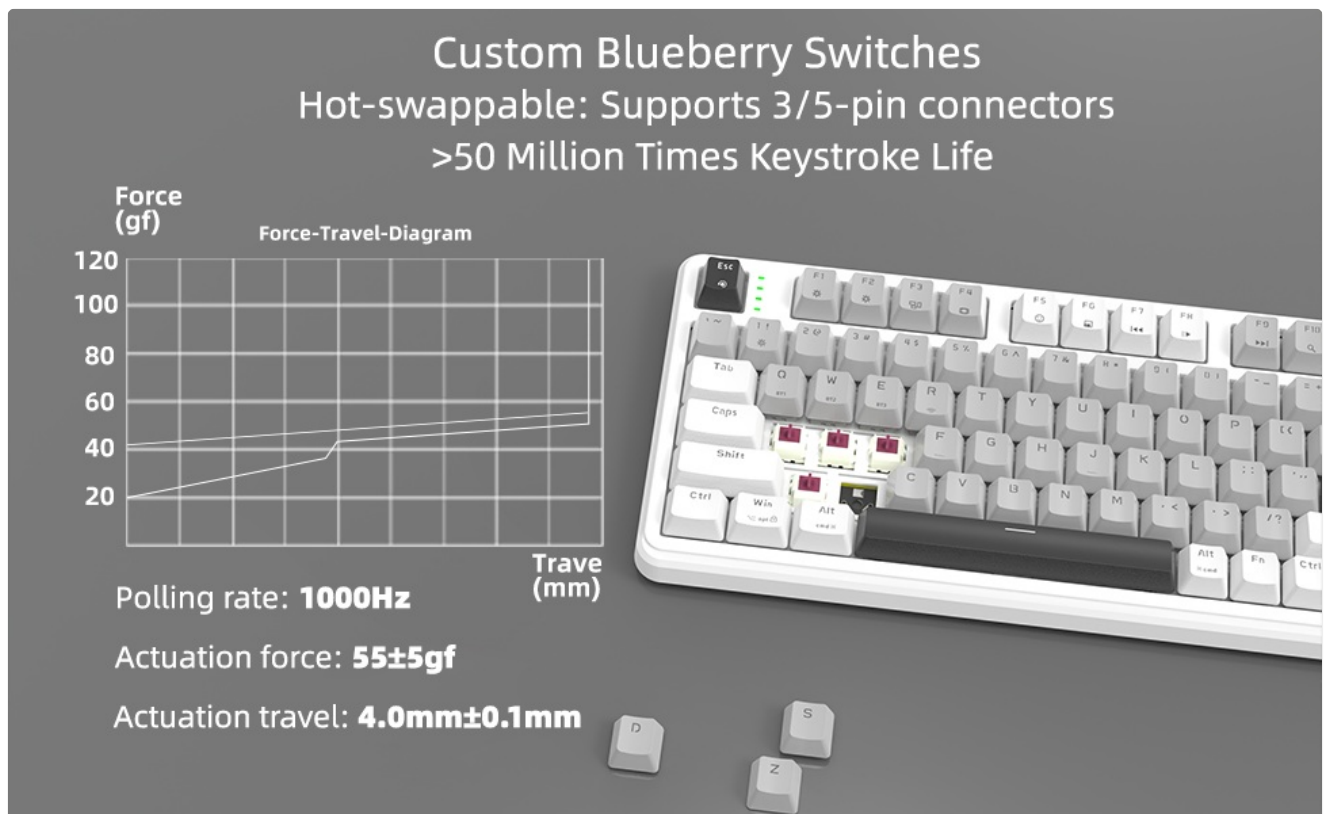


Image 5: Illustration detailing the functionality of the multi-function control knob on the LF102R3 keyboard, indicating actions for

volume adjustment and media play/pause.

4.2 RGB Lighting Effects

The keyboard offers 16 customizable RGB lighting effects. Use the designated function keys (refer to the keyboard layout or user manual for specific key combinations) to cycle through effects, adjust brightness, and change speed. The driver software allows for more advanced customization, including music rhythm lighting effects.

4.3 Macro Customization and Driver Software

The Linkerfoo LF102R3 supports macro customization and key redefinition through its dedicated driver software. This software is compatible with Windows operating systems.

- **Installation:** Download the latest driver software from the official Linkerfoo website.
- **Features:** The driver allows for macro recording and editing, personalizing key functions, customizing RGB lighting effects, and redefining the control knob.

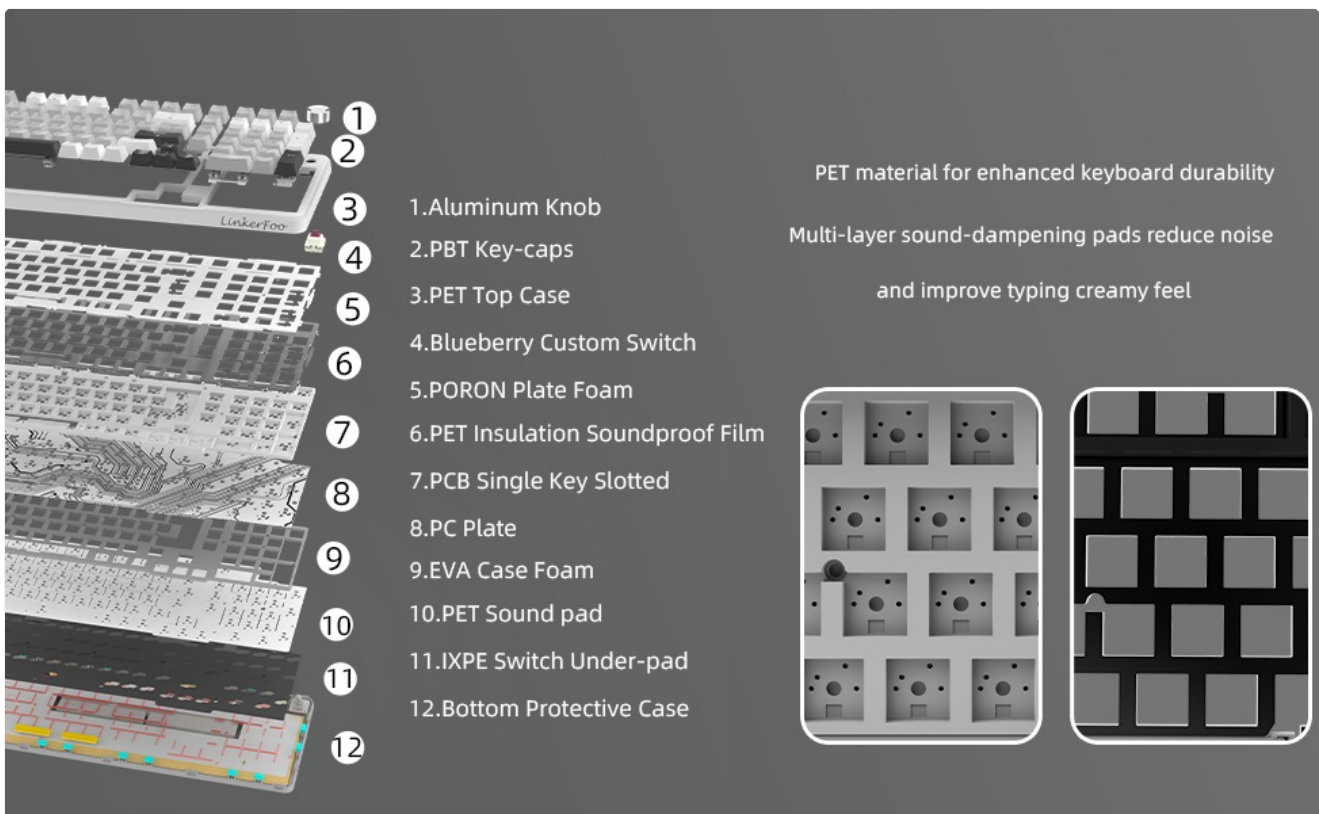


Image 6: Screenshot of the Linkerfoo driver software interface, demonstrating options for key assignment, RGB lighting effects, macro recording, and other customization features.

4.4 N-Key Rollover

The LF102R3 features N-key rollover, ensuring that every keystroke is registered accurately, even when multiple keys are pressed simultaneously. This is particularly beneficial for fast-paced gaming.



Image 7: Visual representation of N-Key Rollover on the LF102R3 keyboard, showing multiple key presses being registered simultaneously.

5. MAINTENANCE

5.1 Cleaning the Keyboard

To clean your keyboard, disconnect it from your computer. Use a soft, lint-free cloth slightly dampened with water or a mild cleaning solution. Avoid spraying liquids directly onto the keyboard. For cleaning between keycaps, use a can of compressed air or remove keycaps using the provided keycap puller.

5.2 Keycap and Switch Replacement

The double-shot PBT keycaps are designed for durability. If replacement is needed, use the keycap puller to gently remove keycaps. For switches, refer to section 3.3 for removal and installation instructions.

Hot-Swappable 3/5 pin Mechanical switches Pre-lubed Blueberry Custom Switch

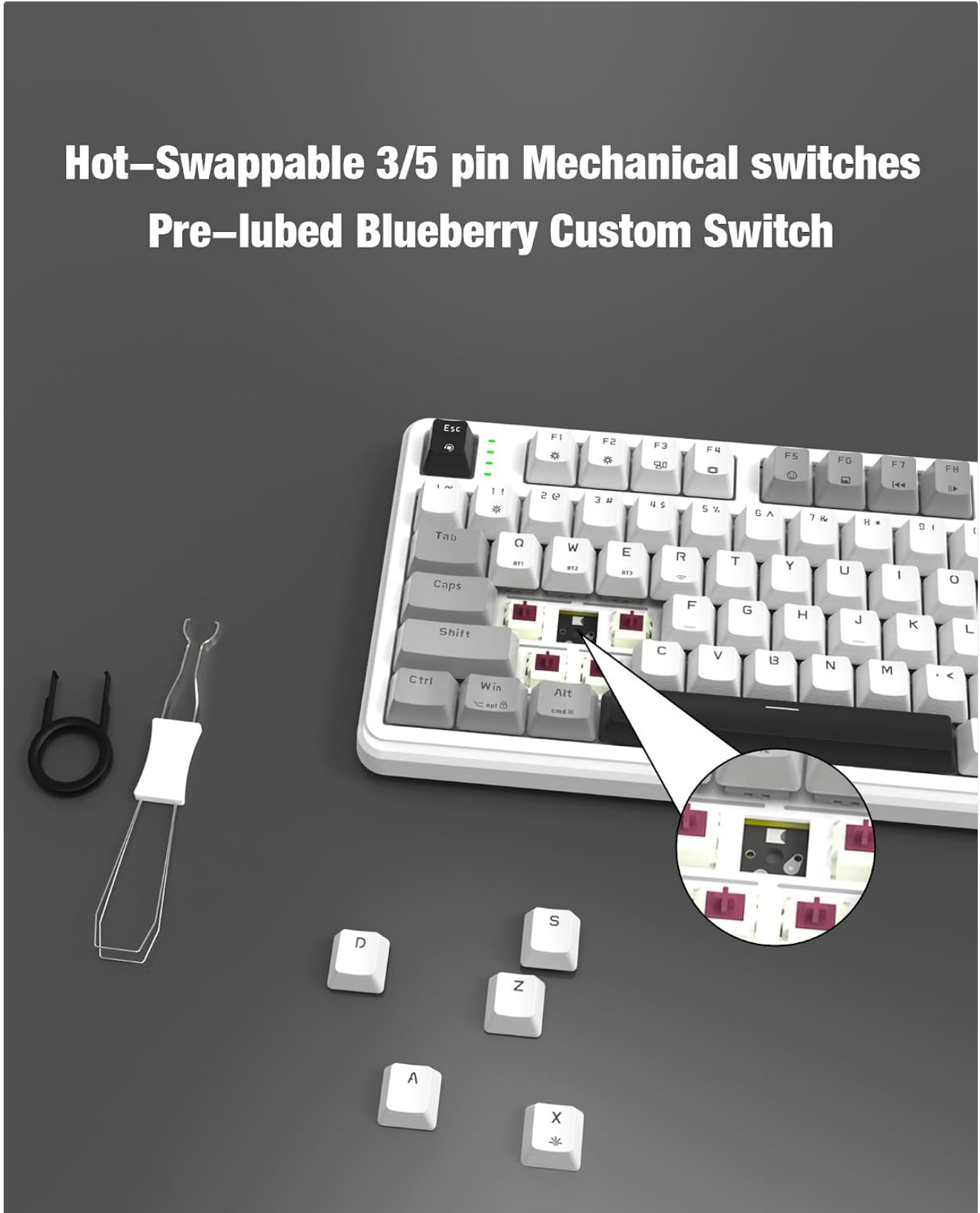


Image 8: The included keycap and switch puller tools, essential for maintenance and customization of the keyboard.

5.3 Battery Care

The keyboard is equipped with a 4000mAh battery. To prolong battery life, avoid extreme temperatures and fully discharging the battery frequently. Charge the keyboard using the provided USB-C cable.

6. TROUBLESHOOTING

- **Keyboard not responding:** Ensure the keyboard is charged and properly connected (wired, 2.4G receiver, or Bluetooth paired). Try switching between modes.
- **Keys not registering:** Check if any debris is under the keycap. If using hot-swappable switches, ensure the switch is fully seated and its pins are not bent.
- **Bluetooth connectivity issues:** Ensure the keyboard is in Bluetooth pairing mode. Remove the keyboard from your device's Bluetooth list and re-pair. Ensure your device's Bluetooth is enabled.
- **RGB lighting not working:** Check keyboard settings via function keys or the driver software. Ensure the battery has sufficient charge if in wireless mode.
- **Driver software not detecting keyboard:** Ensure the keyboard is connected via USB-C cable when using the driver software. Reinstall the driver if necessary.

7. SPECIFICATIONS

Feature	Specification
Model	LF102R3
Connectivity	2.4GHz Wireless, Bluetooth 5.0, USB-C Wired
Switches	Hot-swappable Blueberry Switches (3-pin/5-pin compatible)
Keycaps	Double-shot PBT Keycaps
Battery Capacity	4000mAh
Battery Life (Backlit ON)	Approx. 7.5 hours
Battery Life (Backlit OFF)	Approx. 266.5 hours
RGB Lighting	16 customizable effects, music rhythm lighting
N-Key Rollover	Supported
Product Dimensions	5.51"L x 1.57"W x 16.14"H
Item Weight	2.51 pounds
Compatible Devices	Gaming Console, Laptop, PC, Smartphone, Tablet



Image 9: Detailed specifications for the custom Blueberry switches, including actuation force (55+5gf), actuation travel (4.0mm±0.1mm), lifespan (100 Million), and polling rate (1000Hz).



Image 10: Visual representation of the 4000mAh battery endurance, showing approximately 7.5 hours with backlight ON and 266.5 hours with backlight OFF.

8. OFFICIAL PRODUCT VIDEO

Your browser does not support the video tag.

Video 1: An official product video from Linkerfoo showcasing the LF102R3 Mechanical Keyboard in use, demonstrating its RGB lighting, typing experience, and hot-swappable switch feature.

9. WARRANTY AND SUPPORT

Linkerfoo products are designed for reliability and performance. For warranty information, technical support, or service inquiries, please refer to the official Linkerfoo website or contact their customer support directly. Please retain your proof of purchase for warranty claims.