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› Linkerfoo LF67R1 Wired Gaming Keyboard User Manual

linkerfoo LF67R1

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INTRODUCTION

This manual provides detailed instructions for the Linkerfoo LF67R1 Wired Gaming Keyboard. The LF67R1 is a high-performance 65% layout mechanical keyboard designed for gaming and productivity, featuring magnetic switches, Hall Effect Rapid Trigger technology, an 8000Hz polling rate, and a gasket-mounted design for an enhanced typing experience. It also includes dynamic RGB backlighting, a multi-function metal knob, and hot-swappable switches for extensive customization.

PACKAGE CONTENTS

Please verify that all items are present in your package:

- Linkerfoo LF67R1 Wired Gaming Keyboard
- USB Cable (Type-A to Type-C)
- Keycap Puller
- 2 Additional Magnetic Switches
- User Manual (this document)

PRODUCT OVERVIEW

linkerfoo **LF67R1** Mechanical Keyboard



Full Function:



65%
Compact layout



Volume
Knob Control



Gasket
Structure



8000Hz
Polling Rate



16.8M RGB Backlit



Hot-Swappable



N-Key Rollover



Magnetic Switches

The Linkerfoo LF67R1 keyboard features a 65% compact layout, volume knob control, gasket structure, 8000Hz polling rate, 16.8M RGB backlighting, hot-swappable switches, N-Key rollover, and magnetic switches.

Volume Knob Control



Clockwise: volume+
Counterclockwise: volume-



Press sound on/off



The multi-function metal knob allows for volume adjustment by rotating clockwise (volume up) or counter-clockwise (volume down). Pressing the knob mutes or unmutes the sound.

Gasket Structure

1.Aluminum Knob

2.PBT Key-caps

3.Magnetic Switch

4.ABS Plastic Top Case

5.Aluminum Switch Plat

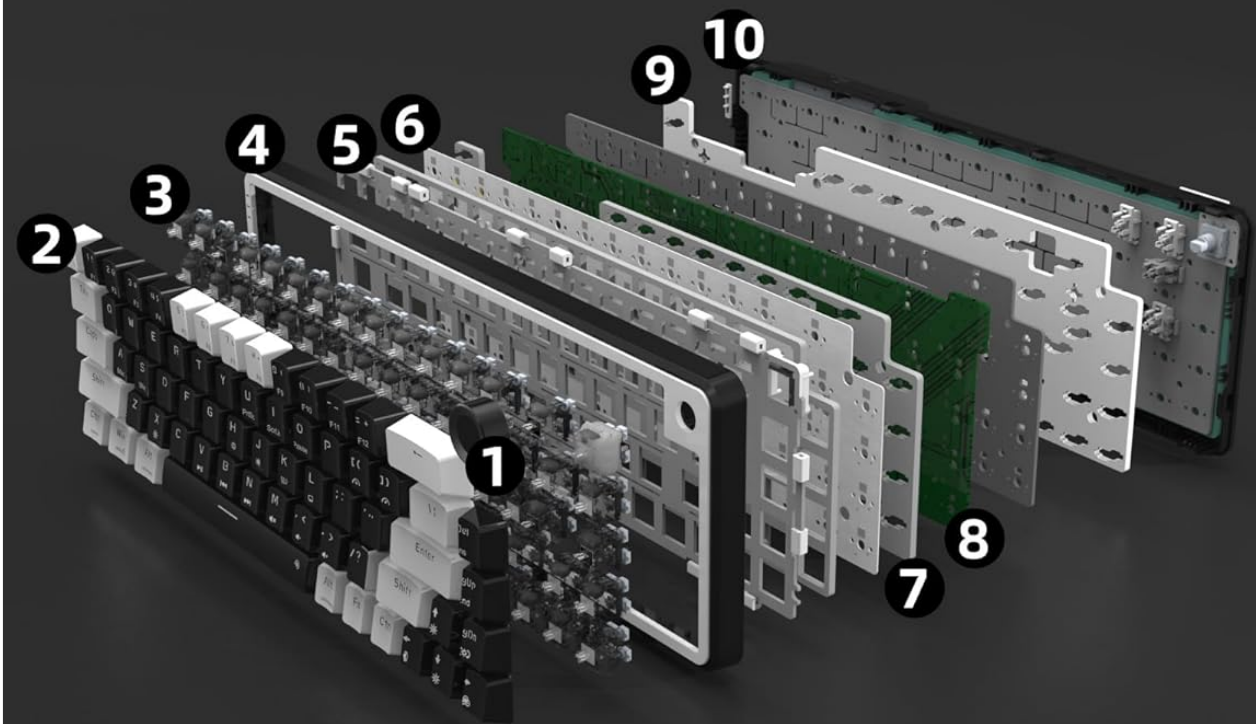
6.EVA Case Foam

7.Switch Under-pad

8.PCB Plate

9.Base pad

10.Bottom Case



This diagram illustrates the ten layers of the keyboard's gasket structure, including the aluminum knob, PBT keycaps, magnetic switch, ABS plastic top case, aluminum switch plate, EVA case foam, switch under-pad, PCB plate, base pad, and bottom case.

Magnetic Switch

Actuation Force
45±5GF

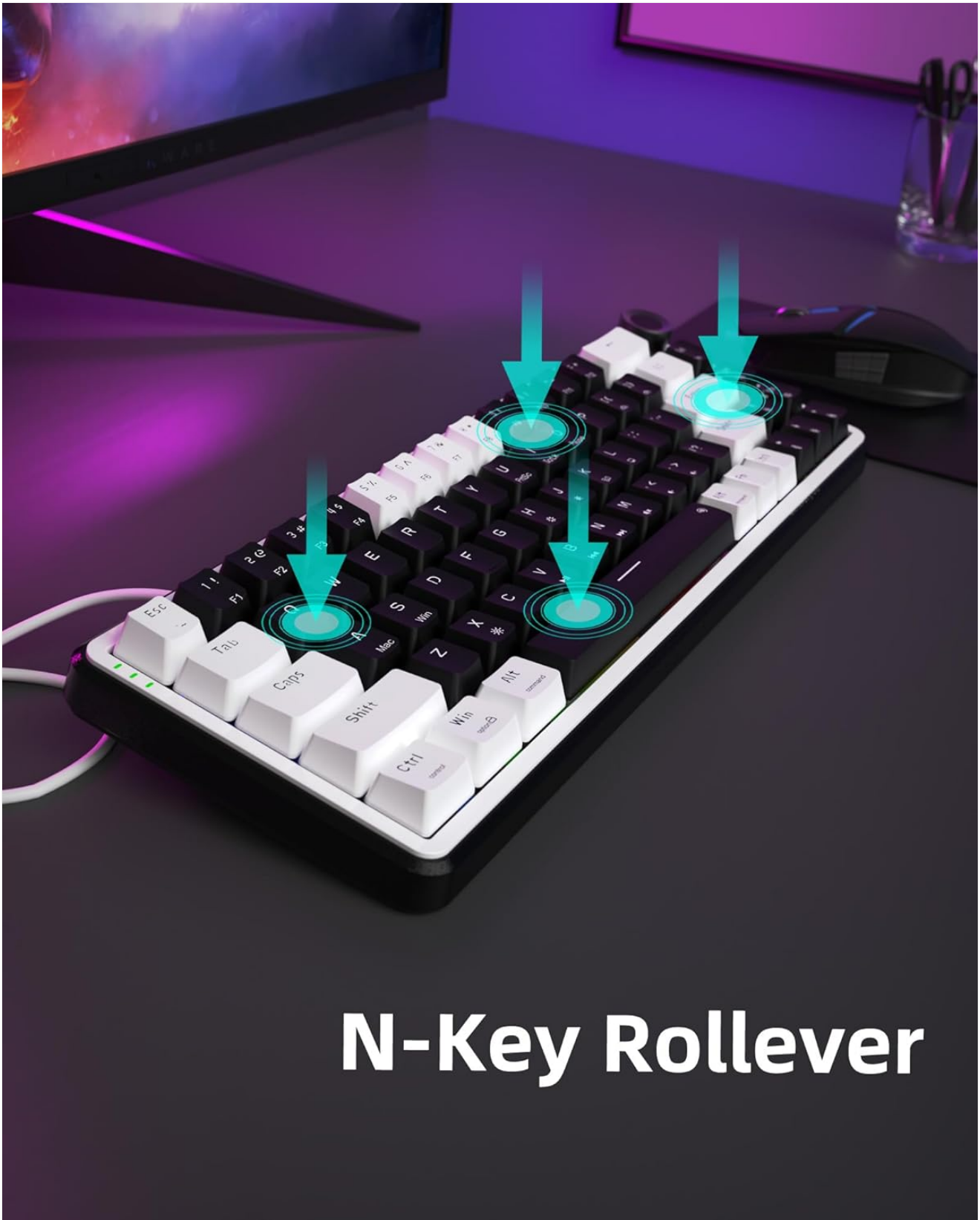
Actuation Travel
4.0MM±0.1MM

Total Travel
4.0MM±0.2MM

Lifespan 100 Million
Polling Rate 8000Hz



The magnetic switches feature an actuation force of $45\pm 5GF$, actuation travel of 0.1mm to 4.0mm, total travel of $4.0\pm 0.2mm$, a lifespan of 100 million keystrokes, and an 8000Hz polling rate.



N-Key Rollover

The keyboard supports N-Key Rollover, ensuring that every key press is registered accurately, even when multiple keys are pressed simultaneously.

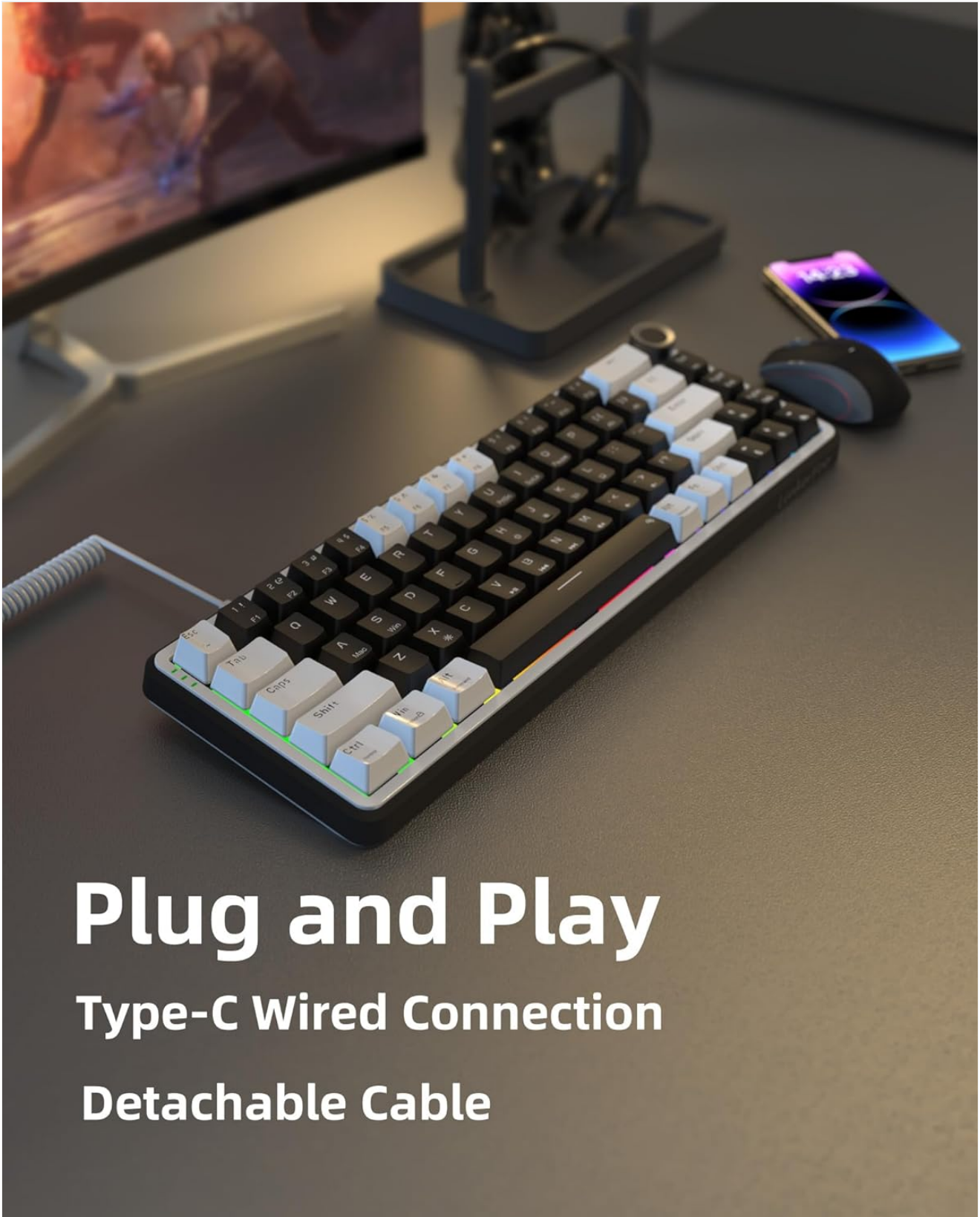
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Official video demonstrating the Linkerfoo LF67R1 mechanical keyboard's features, including typing sound, hot-swappable switches, and RGB lighting effects.

SETUP

1. **Unpack the Keyboard:** Carefully remove the keyboard and all accessories from the packaging.

2. **Connect the USB Cable:** Insert the Type-C end of the provided USB cable into the port on the back of the keyboard.
3. **Connect to Computer:** Plug the Type-A end of the USB cable into an available USB port on your computer or laptop.
4. **Driver Installation (Optional):** The keyboard is plug-and-play. For advanced customization, download and install the Linkerfoo driver software from the official Linkerfoo website.



Plug and Play

Type-C Wired Connection

Detachable Cable

The keyboard connects via a detachable Type-C wired connection, offering simple plug-and-play functionality.

OPERATING INSTRUCTIONS

Volume Knob Control

- **Rotate Clockwise:** Increase system volume.
- **Rotate Counter-clockwise:** Decrease system volume.
- **Press Down:** Mute or unmute audio.

RGB Lighting Control

The keyboard features various built-in RGB lighting modes. Use the following FN key combinations to adjust the lighting:

- **FN + X:** Toggle backlight function on/off.
- **FN + PgDn:** Switch between RGB light effects (over 20 modes).
- **FN + [:** Decrease backlight speed.
- **FN +]:** Increase backlight speed.
- **FN + ↑:** Increase backlight brightness.
- **FN + ↓:** Decrease backlight brightness.
- **FN + ←:** Switch backlight direction.
- **FN + →:** Switch backlight color.

Other FN Key Functions

- **FN + H:** Decrease screen brightness.
- **FN + J:** Increase screen brightness.
- **FN + K:** Multiple screen display (WIN+TAB)/Task Center (Ctrl+Up).
- **FN + L:** My Computer.



This image displays the keyboard's dynamic RGB lighting and lists FN key combinations for controlling screen brightness, backlight functions, RGB light effects, backlight speed, brightness, and color.

CUSTOMIZATION

Hot-Swappable Switches

The LF67R1 keyboard features hot-swappable sockets, allowing you to easily change the magnetic switches without soldering. This enables customization of typing feel and sound. The keyboard is compatible with 2-pin magnetic

switches.

1. **Remove Keycap:** Use the included keycap puller to gently remove the desired keycap.
2. **Remove Switch:** Use the included switch puller to carefully grip and pull out the switch.
3. **Insert New Switch:** Align the pins of the new switch with the holes on the PCB and press down firmly until it clicks into place. Ensure the switch is properly seated.
4. **Replace Keycap:** Place the keycap back onto the new switch.

Only Hot-Swappable Magnetic Switch Support 2 pin switches



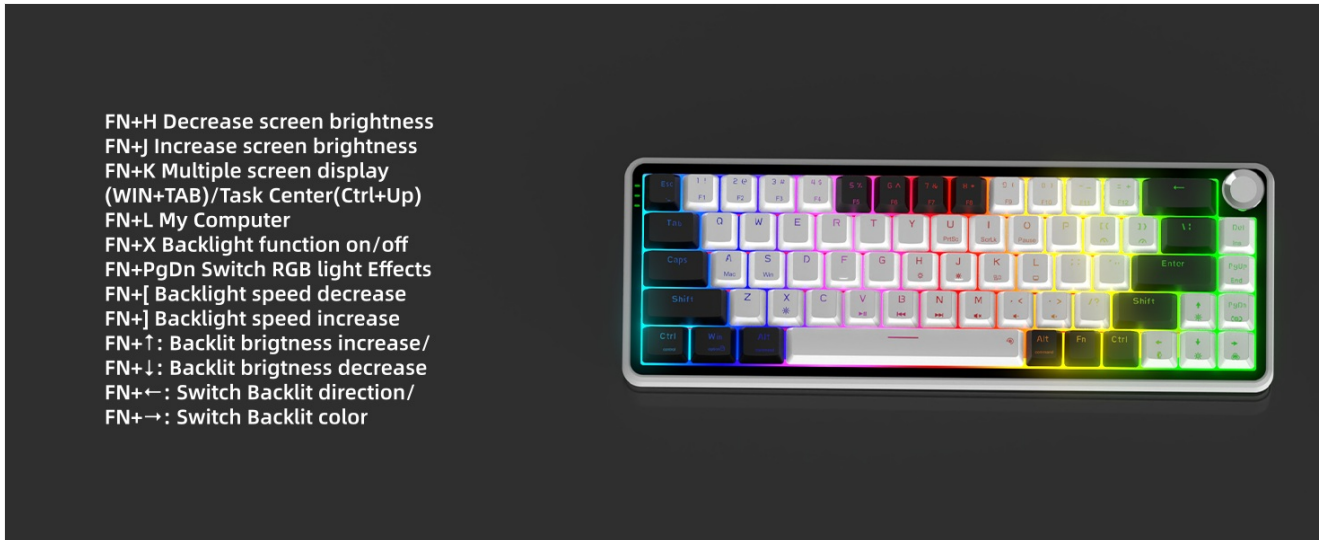
The keyboard supports hot-swappable magnetic switches, allowing users to easily remove and replace switches for customization or maintenance. It is compatible with 2-pin switches.

Driver Software

For advanced customization, download the Linkerfoo driver software (compatible with Windows) from the official

Linkerfoo website. The software allows you to:

- Remap keys to different functions.
- Create and assign macros for complex commands.
- Customize RGB lighting effects, colors, and patterns.
- Redefine the functions of the volume knob.
- Adjust actuation points for magnetic switches.



The Linkerfoo driver software, compatible with Windows, allows for advanced customization including macro editing, RGB effects, key redefinition, and knob redefinition.

MAINTENANCE

- **Cleaning Keycaps:** Use a soft, damp cloth to wipe down keycaps. For deeper cleaning, remove keycaps with the keycap puller and wash them with mild soap and water. Ensure they are completely dry before reattaching.
- **Cleaning the Keyboard Body:** Use a soft, dry cloth to wipe the keyboard's surface. For stubborn dirt, a slightly damp cloth can be used. Avoid excessive moisture.
- **Dust Removal:** Use compressed air to remove dust and debris from between the keycaps and switches.
- **Avoid Liquids:** Do not spill liquids on the keyboard. If a spill occurs, immediately disconnect the keyboard and allow it to dry completely before reconnecting.

TROUBLESHOOTING

Problem	Solution
Keyboard is not responding.	Ensure the USB 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 computer-specific issue.

Problem	Solution
RGB lighting is not working or is incorrect.	<p>Press FN + X to ensure the backlight is turned on.</p> <p>Use FN + PgDn to cycle through different lighting modes.</p> <p>Adjust brightness with FN + ↑ / FN + ↓.</p> <p>If using the driver software, ensure settings are correctly applied and saved.</p>
Keys are not registering or double-typing.	<p>Ensure the magnetic switch is properly seated in its socket. Remove and re-insert the switch if necessary.</p> <p>Clean any debris from around the affected switch.</p> <p>If the issue persists, consider replacing the switch with one of the spares provided.</p>
Volume knob is not functioning.	<p>Check if the knob is physically obstructed.</p> <p>Ensure the keyboard is properly connected to the computer.</p> <p>If using the driver software, verify that the knob's functions have not been remapped incorrectly.</p>

SPECIFICATIONS

Feature	Detail
Model Number	LF67R1
Brand	linkerfoo
Connectivity	Wired USB Type-C (detachable)
Keyboard Layout	65%
Switch Type	Magnetic Switches (Hot-Swappable)
Polling Rate	8000Hz
Actuation Point	Adjustable (0.1mm to 4.0mm)
Keycaps	Double-shot PBT
Backlighting	RGB (16.8M colors, multiple effects)
Special Features	Gasket Mount, Metal Volume Knob, Hall Effect Rapid Trigger, N-Key Rollover
Compatible Devices	PC, Laptop, Gaming Console
Product Dimensions	12.6 x 4.53 x 1.57 inches
Item Weight	1.57 pounds

WARRANTY AND SUPPORT

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