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## LOFREE OE920

# LOFREE Edge Low Profile Mechanical Keyboard User Manual

Model: OE920

Brand: LOFREE

## 1. INTRODUCTION

Welcome to the user manual for your new LOFREE Edge Low Profile Mechanical Keyboard. This 75% layout keyboard is designed for optimal portability and typing experience, featuring a unique blend of advanced materials and innovative switch technology. This manual provides detailed instructions on setting up, operating, maintaining, and troubleshooting your keyboard to ensure a seamless user experience.



Figure 1: LOFREE Edge Low Profile Mechanical Keyboard (Metallic Silver)

## 2. PACKAGE CONTENTS

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Please verify that all items are present in your package:

- LOFREE Edge Low Profile Mechanical Keyboard
- USB-C Cable
- "Zero" Panel Mount (Carbon Fiber Keyboard Stand)
- User Manual (this document)

## 3. KEY FEATURES

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### 3.1 Ultra-Thin Design with Premium Materials

The LOFREE Edge keyboard is engineered for exceptional portability and durability. It features a carbon fiber top case and a magnesium alloy bottom case, contributing to its lightweight design of just 485g (1.07 lbs) while maintaining structural integrity.



Figure 2: Carbon Fiber Top Case

# Magnesium Alloy

## Bottom Case

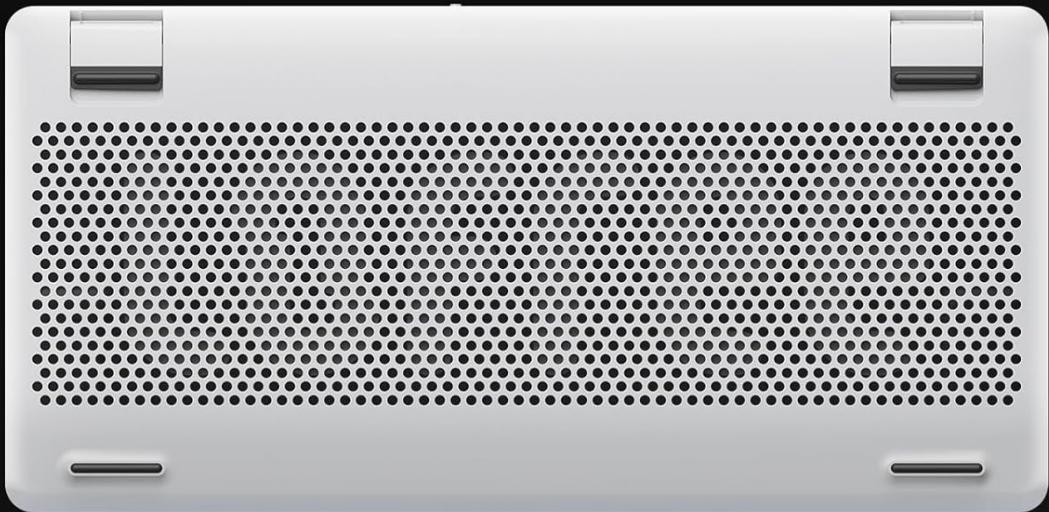


Figure 3: Magnesium Alloy Bottom Case



Figure 4: Keyboard Thinness (0.6 inches) and Weight (1.07 lbs)

### 3.2 Kailh POM Switch 2.0

Equipped with Kailh POM Switch 2.0, developed in collaboration with Kailh, these switches offer a refined typing experience with a total travel distance of 2.4mm. This design ensures smooth and responsive keystrokes.



Figure 5: Kailh Full-POM Switch 2.0

### 3.3 Innovative PCB-Gasket Mount

The keyboard features an innovative PCB-Gasket structure, which integrates gaskets directly into the PCB. This design eliminates the need for traditional positioning plates and hot-swappable sockets, providing consistent typing feedback and a compact form factor.



Figure 6: Innovative PCB-Gasket Mount

### 3.4 "Zero" Panel Mount Keyboard Stand

Included with your keyboard is the "Zero" panel mount, a unique carbon fiber stand that can be assembled to provide an ergonomic typing angle. This accessory not only enhances usability but also offers a distinctive aesthetic.

# Trash to Treasure Keyboard Stand

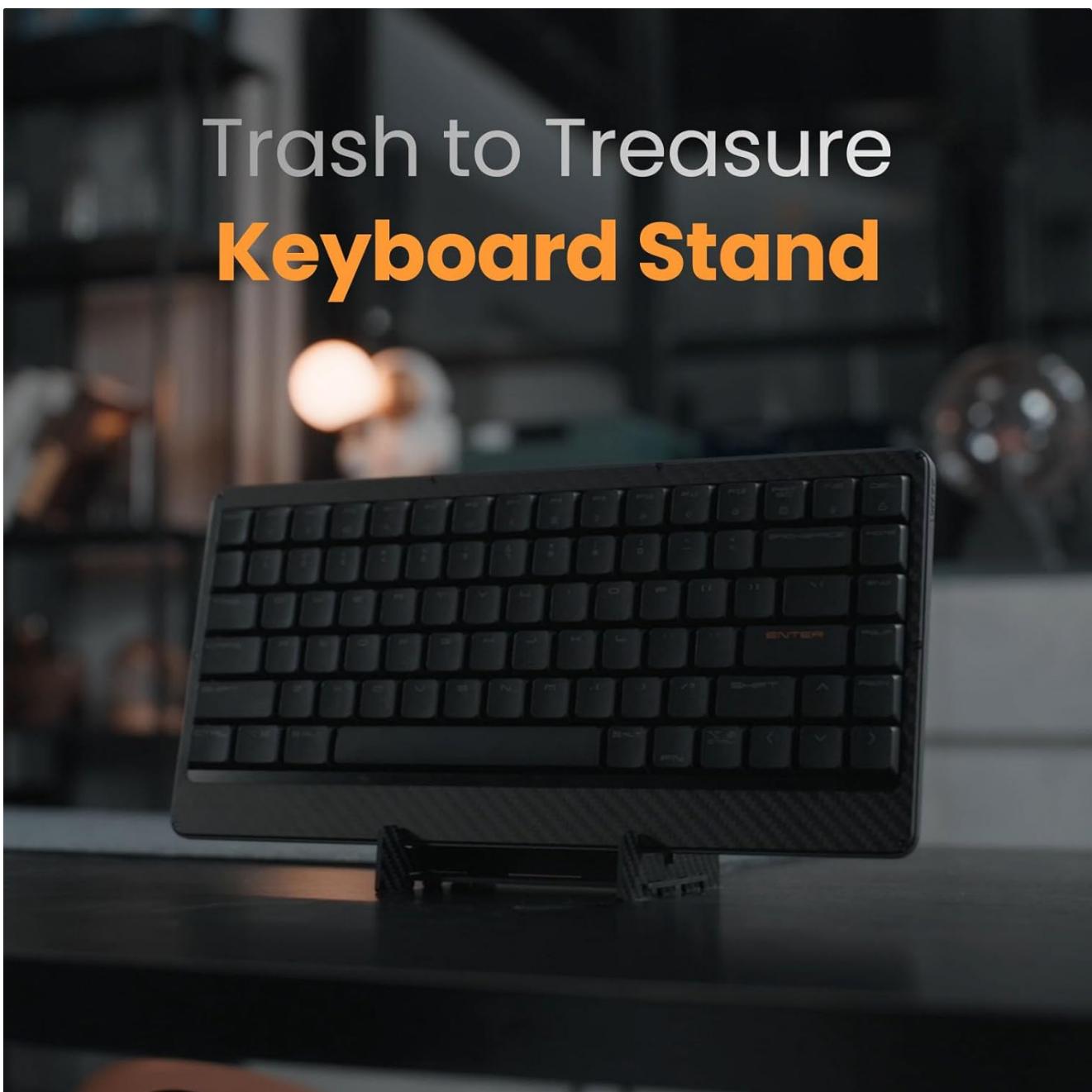


Figure 7: "Zero" Panel Mount Keyboard Stand

## 3.5 All-New Slimmer Keycaps

The LOFREE Edge features newly designed slimmer keycaps, which are a thinner version of the Cherry profile keycaps. These PBT keycaps are durable and contribute to the keyboard's low-profile aesthetic.

# Dye-Sub PBT Keycaps



Figure 8: Slimmer PBT Keycaps

## 3.6 Dual Mode Connectivity with 1000Hz Polling Rate

The keyboard supports both Bluetooth and wired USB-C connections, allowing for versatile use across multiple devices. In wired mode, it boasts a 1000Hz polling rate, ensuring minimal latency for responsive input.

## 3.7 Customizable Keys and Macros

The LOFREE Edge keyboard supports customization of keys and macros through dedicated software, allowing users to personalize their typing experience and optimize workflow.

# Customize keys and macro

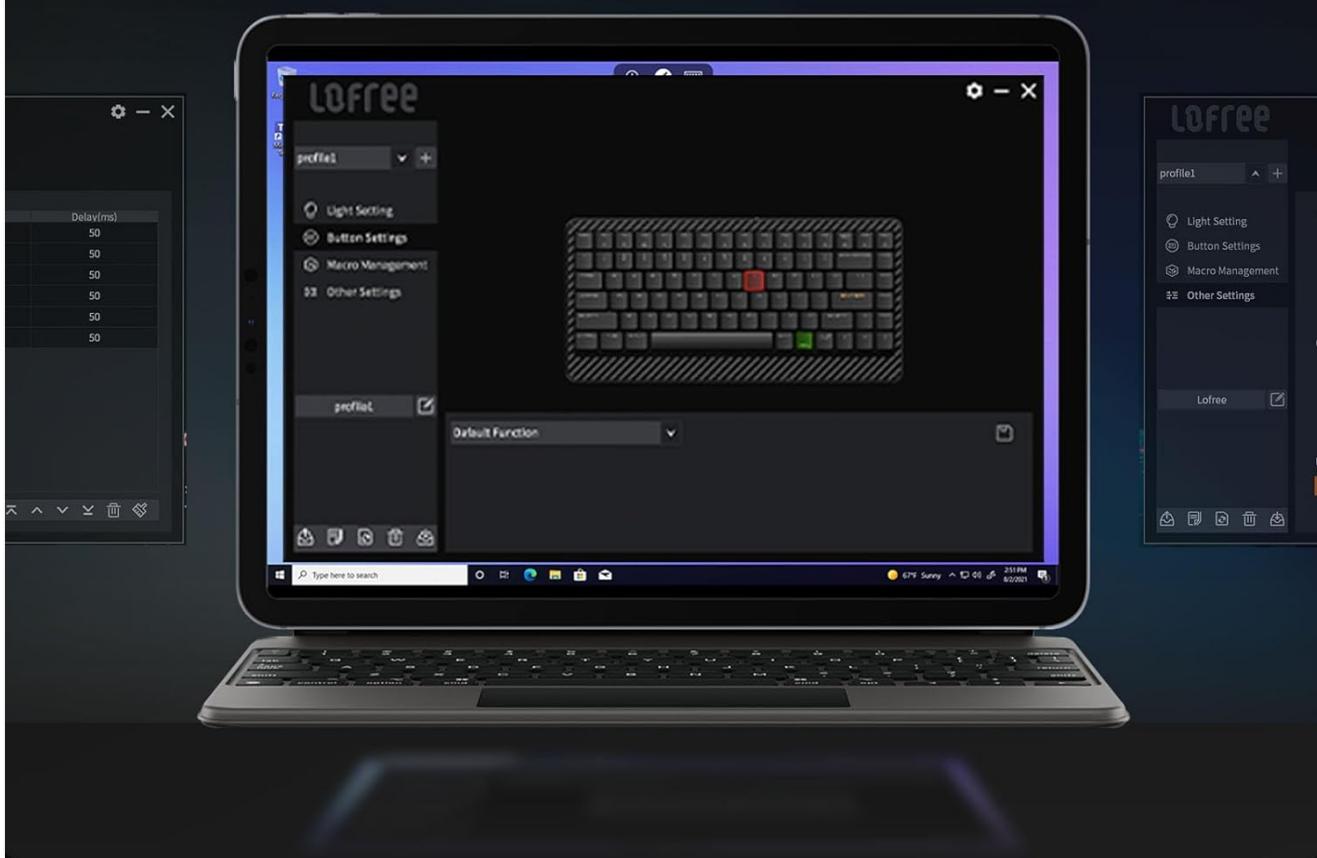


Figure 9: Customization Software Interface

## 4. SETUP GUIDE

### 4.1 Initial Charging

Before first use, it is recommended to fully charge the keyboard. Connect the provided USB-C cable to the keyboard's USB-C port and the other end to a power source (e.g., computer USB port, USB wall adapter). The charging indicator will show the charging status.

### 4.2 Connecting via Bluetooth

1. Ensure the keyboard is powered on and in Bluetooth mode (refer to the operating section for mode switching).
2. On your device (computer, tablet, etc.), enable Bluetooth and search for new devices.
3. Select "LOFREE Edge" from the list of available devices.
4. Follow any on-screen prompts to complete the pairing process.

### 4.3 Connecting via USB-C (Wired Mode)

Connect the provided USB-C cable to the keyboard's USB-C port and the other end to a USB port on your computer. The keyboard will automatically switch to wired mode and be ready for use. No drivers are typically required for basic functionality.

## 4.4 Assembling the "Zero" Panel Mount

The carbon fiber "Zero" panel mount comes in pieces and can be assembled to form a stable stand for your keyboard. Follow the intuitive puzzle-like assembly process to construct the stand. Once assembled, place your keyboard on it for an elevated typing angle.

# 5. OPERATING INSTRUCTIONS

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## 5.1 Power On/Off and Mode Switching

Locate the power switch on the keyboard to turn it on or off. The keyboard supports switching between Bluetooth and wired modes. Refer to the keyboard's physical switch or function key combinations for specific mode selection.

## 5.2 Operating System Compatibility

The LOFREE Edge keyboard is compatible with Windows and Mac OS. To switch the keyboard layout and functions for different operating systems:

- Press **Fn + N** to switch to Windows functions.
- Press **Fn + M** to switch to Mac/iOS functions.

## 5.3 Backlight Control

The keyboard features single-color backlighting. You can adjust the brightness and lighting effects:

- Brightness: Cycle through 5 levels (0%, 25%, 50%, 75%, 100%) using designated function keys.
- Effects: Choose between a steady light or a breathing light effect.

## 5.4 Battery Life

The integrated Lithium Polymer battery provides approximately 130 hours of non-stop working time with the lighting off, and about 10 hours with the backlight on. Charging time is approximately 3 hours.

## 5.5 Adjustable Kickstands

The keyboard includes adjustable kickstands on the underside, allowing you to set the typing angle to either 3° or 6° for personalized comfort.

# 6. MAINTENANCE

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## 6.1 Cleaning the Keyboard

To clean your keyboard, power it off and disconnect any cables. Use a soft, lint-free cloth slightly dampened with water or a mild cleaning solution. Avoid excessive moisture. For dust and debris between keycaps, use compressed air. Do not use harsh chemicals or abrasive materials.

## 6.2 Battery Care

To prolong battery life, avoid fully discharging the battery frequently. Store the keyboard in a cool, dry place when not in use for extended periods. If storing for a long time, charge the battery to about 50% before storage.

## 7. TROUBLESHOOTING

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### 7.1 Keyboard Not Responding

- Ensure the keyboard is powered on.
- Check the battery level and charge if necessary.
- If using Bluetooth, ensure it's paired correctly and within range. Try re-pairing.
- If using wired connection, ensure the USB-C cable is securely connected to both the keyboard and the computer. Try a different USB port or cable.

### 7.2 Bluetooth Connection Issues

- Turn off and on the keyboard's Bluetooth.
- Remove the keyboard from your device's Bluetooth list and re-pair it.
- Ensure no other devices are interfering with the Bluetooth signal.
- Update your device's Bluetooth drivers.

### 7.3 Backlight Not Working/Dim

- Check the backlight brightness settings using the designated function keys.
- Ensure the battery has sufficient charge, as low battery can affect backlight performance.

### 7.4 Keys Not Registering

- Ensure the keyboard is clean and free of debris that might obstruct key presses.
- If specific keys are not working, contact customer support for further assistance.

## 8. SPECIFICATIONS

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Feature	Detail
Product Dimensions	12.52 x 6.06 x 0.59 inches
Item Weight	1.07 pounds (485g)
Model Number	OE920
Batteries	1 Lithium Polymer battery (included)
Connectivity Technology	Bluetooth, USB-C
Keyboard Description	Mechanical
Compatible Devices	Laptop, PC, Tablet (Windows, Mac OS)
Special Features	Lightweight, Backlit, Low-Profile Key, Hotkeys and Media Keys, Rechargeable
Color	Metallic Silver
Number of Keys	84
Keyboard Backlighting	Single Color
Polling Rate (Wired)	1000Hz

Switch Type	Kailh POM Switch 2.0
Keycap Type	Slimmer PBT Keycaps

## 9. WARRANTY AND SUPPORT

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LOFREE products are manufactured to the highest quality standards. For information regarding warranty coverage, technical support, or service inquiries, please refer to the warranty card included with your product or visit the official LOFREE website. Please retain your proof of purchase for warranty claims.