

LTC NB831

LTC Nimbleback NB831 Wireless Mechanical Keyboard User Manual

Model: NB831

Brand: LTC

INTRODUCTION

Welcome to the user manual for your LTC Nimbleback NB831 Wireless 75% Gasket Triple Mode Mechanical Keyboard. This manual provides essential information for setting up, operating, and maintaining your keyboard to ensure optimal performance and a satisfying user experience.

PACKAGE CONTENTS

Please ensure all items listed below are present in your package:

- LTC Nimbleback NB831 Mechanical Keyboard
- USB-C Cable
- 2.4G Wireless Receiver (typically stored in the keyboard's base)
- Keycap Puller (may be included)
- Switch Puller (may be included)

KEY FEATURES

- **Triple Mode Connectivity:** Seamlessly switch between Bluetooth 5.0 (connecting up to 3 devices), 2.4G wireless with a dedicated receiver, and a stable wired USB-C connection.
- **Hot-Swappable PCB:** Easily change 3-pin or 5-pin MX-style mechanical switches without soldering, allowing for personalized typing feel and easy maintenance.
- **Long-lasting Battery:** Equipped with a 4000mAh large-capacity battery, providing approximately 15 hours of continuous use with RGB backlight on, and up to 500 hours with backlight off.
- **Dynamic RGB Backlight:** Features 18 preset backlight modes with adjustable brightness (5 levels) and flowing speed (5 levels). Translucent key legends enhance the vibrant lighting effects.

- **Gasket Mount Design:** Constructed with a gasket mount structure without screws to achieve a soft and consistent typing feel. Two layers of sound-damping foam are included to minimize hollow sounds.
- **Customizable Software:** Utilize the powerful LTC drive software to remap keypress combinations, assign macros, and customize RGB lighting effects. Compatible with Windows (7/8/10/11), iOS, and macOS systems.
- **Aluminum Volume Knob:** A dedicated rotary knob for convenient volume adjustment (rotate) and media play/pause control (press).

PRODUCT VIDEOS

LTC NB831 75% Hot Swappable Keyboard Overview

Your browser does not support the video tag.

Video: A comprehensive overview of the LTC NB831 75% Hot Swappable Keyboard, highlighting its features and design.

Obsessed with Another 75% Keyboard LTC NB831!

Your browser does not support the video tag.

Video: A user's perspective on the LTC NB831, showcasing its appeal and functionality as a 75% mechanical keyboard.

SETUP AND CONNECTION

Wired Connection

Connect the provided USB-C cable to the keyboard's USB-C port and the other end to your computer's USB port. The keyboard will automatically be recognized and ready for use.

2.4G Wireless Connection

Locate the 2.4G wireless receiver, typically stored in a compartment on the underside of the keyboard. Plug the receiver into an available USB port on your computer. Ensure the keyboard's mode switch (usually on the back or side) is set to 2.4G. The keyboard should connect automatically.



Image: The underside of the LTC Nimbleback NB831 keyboard, highlighting the storage slot for the 2.4G wireless receiver and the USB-C port, demonstrating its versatile connectivity options.

Bluetooth Connection

1. Ensure the keyboard's mode switch is set to Bluetooth (BT).
2. On your device (computer, smartphone, tablet), open Bluetooth settings.
3. On the keyboard, press and hold **Fn + Q**, **Fn + W**, or **Fn + E** for 3-5 seconds to enter pairing mode for one of the three Bluetooth channels. The indicator light for the selected channel will blink rapidly.
4. On your device, select "LTC NB831" (or similar name) from the list of available Bluetooth devices to pair.
5. Once paired, the indicator light will stop blinking and remain solid. You can switch between paired devices by pressing **Fn + Q/W/E**.

OPERATING INSTRUCTIONS

Basic Functions

- **Volume Control:** Rotate the aluminum knob clockwise to increase volume, counter-clockwise to decrease. Press the knob to play/pause media.



Image: The multi-functional aluminum volume knob on the LTC Nimbleback NB831, used for adjusting volume and media playback.

- **Battery Level Check:** Press **Fn + Backspace** to check the current battery level. The F1-F12 keys will light up to indicate the charge percentage.



Image: The LTC Nimbleback NB831 keyboard displaying its battery level via the F-keys, along with charging and usage times.

- **System Compatibility Switch:** Use **Fn + A** for Windows mode and **Fn + S** for macOS mode to optimize key functions for your operating system.

RGB Backlight Control

- **Switch Backlight Modes:** Press **Fn + ** to cycle through 18 preset RGB lighting effects.
- **Adjust Backlight Brightness:** Press **Fn + ↑** to increase brightness, **Fn + ↓** to decrease brightness (5 levels).
- **Adjust Backlight Speed:** Press **Fn + ←** to decrease speed, **Fn + →** to increase speed (5 levels).
- **Toggle Backlight On/Off:** Press **Fn + Del** to turn the backlight on or off.
- **Change Backlight Colors:** Press **Fn + .>** to cycle through different static backlight colors (in applicable modes).
- **Restore Factory Mode:** Long press **Fn + Space** to reset the keyboard to its default factory settings.



Image: The LTC Nimbleback NB831 keyboard showcasing its dynamic RGB backlighting.

Software Customization

Download the official LTC drive software from the manufacturer's website to unlock advanced customization options. This software allows you to:

- Remap individual keys to different functions.
- Create and assign complex macros for gaming or productivity.
- Fine-tune RGB lighting effects, colors, and patterns beyond the onboard presets.
- Manage keyboard profiles for different applications or users.

Gasket-Mount Design

Multi-Layer Dampening

Silicone Gasket

Position Board

Myte Cotton

PCB with Switch
Base Foam

Case Foam

Silicone Gasket

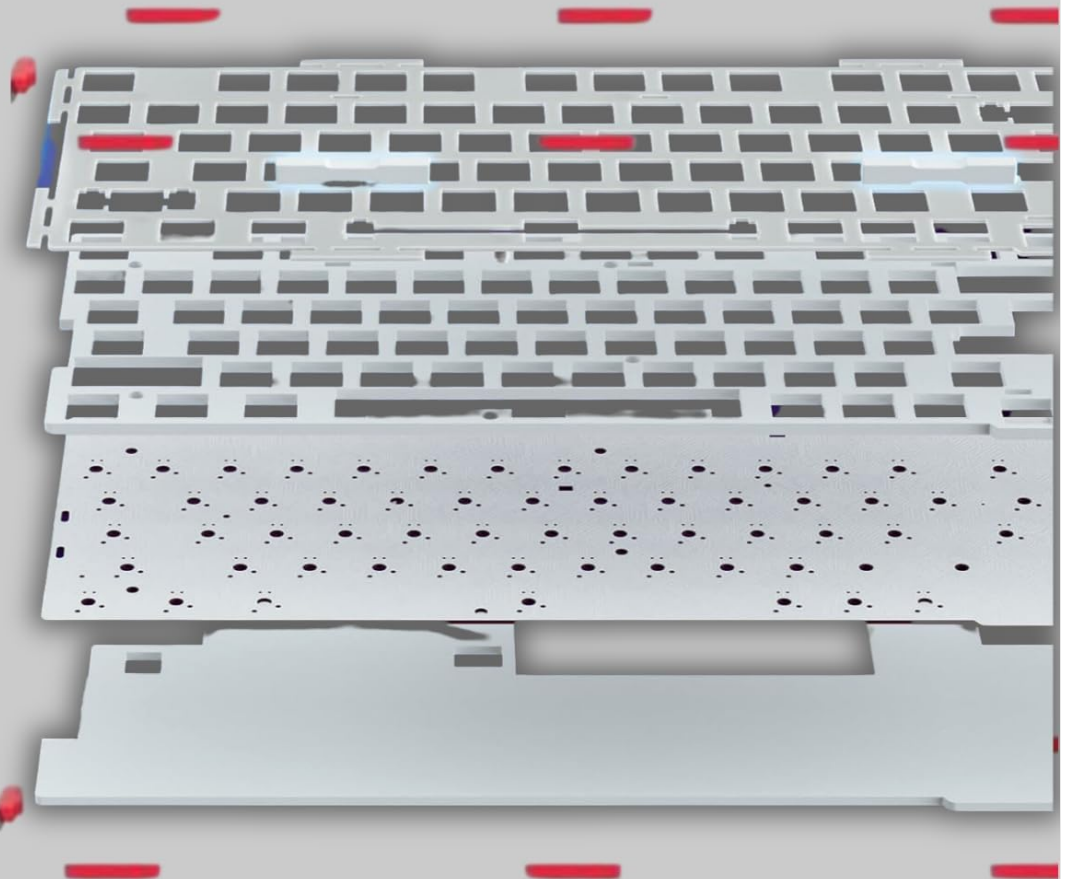


Image: The software interface for the LTC Nimbleback NB831, demonstrating its customization capabilities for keys, macros, and lighting.

MAINTENANCE

Cleaning Your Keyboard

Regular cleaning helps maintain the keyboard's appearance and functionality. Use a soft, lint-free cloth to wipe down the keycaps and frame. For deeper cleaning, you can use compressed air to remove dust and debris from between the keys. Avoid using harsh chemicals or abrasive materials.

Hot-Swappable Switches

The hot-swappable design allows for easy replacement of switches. To remove a switch, gently use the provided switch puller (if included) to grip the switch and pull it straight up. To install a new switch, align the pins with the holes on the PCB and press down firmly until it clicks into place. Ensure the pins are straight to avoid bending.



Image: Demonstrating the hot-swappable feature of the LTC Nimbleback NB831, allowing for easy switch replacement.

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 or cable.
- **2.4G Wireless:** Check if the 2.4G receiver is properly plugged in and the keyboard is set to 2.4G mode. Try re-pairing by unplugging and re-plugging the receiver, then turning the keyboard off and on.
- **Bluetooth:** Verify the keyboard is in Bluetooth mode and paired correctly. Try unpairing and re-pairing the device. Ensure your device's Bluetooth is enabled.
- **Battery:** Check the battery level (Fn + Backspace) and charge the keyboard if the battery is low.

RGB Backlight Issues

- If the backlight is off, press **Fn + Del** to toggle it on.
- Adjust brightness using **Fn + ↑/↓**.
- If specific keys are not lighting up, ensure the switches are properly seated.
- Consider using the software to reset lighting profiles or update firmware.

Keys Not Registering / Double Typing

- This can sometimes be caused by a loose or faulty switch. Try removing and re-inserting the affected switch. If the issue persists, replace the switch.
- Ensure the keyboard firmware is up to date via the official software.

SPECIFICATIONS

Feature	Detail
Model	NB831
Connectivity	Bluetooth 5.0, 2.4G Wireless, USB-C Wired
Layout	75% (83-Keys)
Switch Type	Hot-Swappable (3-pin/5-pin MX-style)
Backlight	Dynamic RGB (18 modes)
Battery Capacity	4000mAh
Dimensions	13 x 5.4 x 1.6 inches
Weight	2.61 pounds
Compatible OS	Windows 7/8/10/11, iOS, macOS

WARRANTY AND SUPPORT

For detailed warranty information, technical support, or to download the latest software and firmware, please visit the official LTC website or refer to the comprehensive [User Manual \(PDF\)](#).

You can also contact LTC customer service for assistance with any product-related inquiries.

