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nuphy Node100

NuPhy Node100 Wireless Mechanical Keyboard User Manual

Model: Node100

1. INTRODUCTION

This manual provides detailed instructions for the setup, operation, maintenance, and troubleshooting of your NuPhy Node100 Wireless Mechanical Keyboard. Please read this manual thoroughly to ensure proper use and to maximize your keyboard's functionality.

2. KEY FEATURES

- **Gesture Touch:** The Node100 mechanical keyboard is equipped with a touch area at the top. Through this area, you can change the volume or brightness by sliding control, which can be configured via NuPhyIO software.
- **Tri-mode Connection:** This wireless keyboard supports Bluetooth, 2.4GHz, and USB-C wired connections. It can connect to up to five devices simultaneously and switch between them effortlessly using shortcut keys and side buttons.
- **Gasket Mount Design:** The keyboard features a gasket mount design that ensures a smooth and quiet typing experience. This design effectively reduces vibration and noise while providing consistent comfort and eliminates hollow echoes.
- **Backlighting & PBT Keycaps:** With NuPhyIO, you can easily customize the backlight of the Node100 keyboard. The double-shot PBT keycaps effectively prevent characters from fading and provide a durable touch.
- **Quick Response:** The 2.4GHz mode and wired mode can achieve a 1000Hz polling rate, allowing for quick response during use, suitable for both gaming and office tasks.

3. PACKAGE CONTENTS

Upon unboxing your NuPhy Node100 keyboard, verify that all the following items are included:

- 1 x Node100 Keyboard

- 1 x 2.4G Receiver
- 1 x USB-C to USB-C Cable
- 1 x USB-C to USB-A adapter
- 1 x Keycap/Switch Puller
- Extra Keycaps (6 for Low-Profile, 7 for High-Profile)
- 1 x Quick Start Guide (with FAQ & Instructions)

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Video: This video demonstrates the unboxing process of the NuPhy Node100 keyboard, showcasing the contents of the package including the keyboard, cables, and accessories.

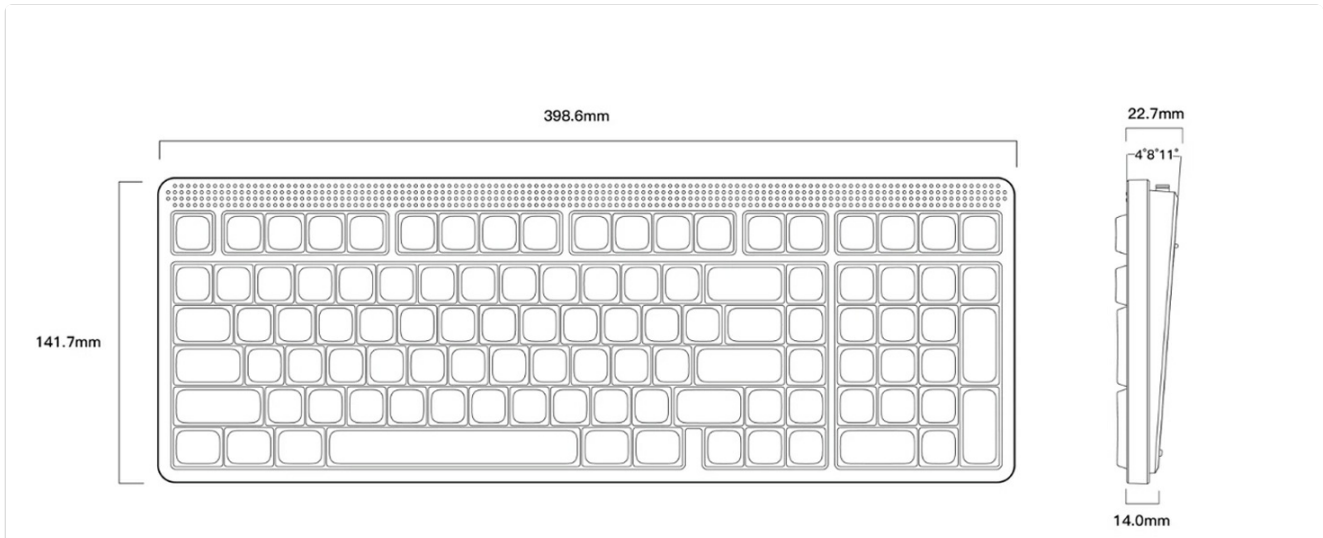


Image: A visual representation of the NuPhy Node100 keyboard along with its complete set of accessories, including the USB-C cable, 2.4G receiver, keycap/switch puller, and extra keycaps.

4. SETUP AND CONNECTION

4.1. Connection Modes

The Node100 keyboard supports three connection types:

- **USB-C Wired:** For a direct, plug-and-play connection.
- **Bluetooth:** For wireless connection to up to three devices.
- **2.4GHz Wireless:** For a low-latency wireless connection using the included receiver.

Three Connection Modes

BT/2.4GHz/USB-C Wired
support multiple devices and system



USB-C

Slide to wired mode
Plug and Play

Connection Mode1



Bluetooth

Slide to wireless mode
FN + 1 / 2 / 3

Connection Mode2



2.4GHz

Slide to wireless mode
FN + 4

Connection Mode3

Image: A diagram illustrating the three available connection modes for the Node100 keyboard: USB-C for wired, Bluetooth for wireless, and 2.4GHz for wireless with a dedicated dongle.

4.2. Switching Connection Modes

Use the side switch on the keyboard to select your desired connection mode:

- Slide to **USB-C** for wired mode.
- Slide to **Bluetooth** for wireless Bluetooth mode. Press **Fn + 1/2/3** to switch between paired Bluetooth devices.
- Slide to **2.4GHz** for wireless 2.4GHz mode. Press **Fn + 4** to activate.

Long battery life

**Battery Life: About 60~100 hours(Backlit ON)
About 1000 hours(Backlit OFF)**

3000mAh



Image: A close-up view of the side of the Node100 keyboard, highlighting the USB-C port and the physical switches used to select between wired, Bluetooth, and 2.4GHz wireless connection modes.

5. OPERATING INSTRUCTIONS

5.1. Gesture Touch Functionality

The Node100 features a touch area at the top for intuitive control:

- Slide your finger across the touch area to adjust volume or screen brightness.
- This functionality can be customized using the NuPhyIO software.

Intuitive Interaction

Efficient Experience

Using touch gestures, you can adjust the volume, screen brightness, and keyboard backlight.

(NuPhyIO enables more customizable operation settings)



Image: A visual representation of the Node100 keyboard, specifically highlighting the gesture touch area located at the top, used for adjusting volume and screen brightness.

5.2. NuPhyIO Software Customization

The NuPhyIO software allows for extensive customization of your keyboard:

- **Key Bindings:** Remap keys to suit your workflow.
- **Advanced Functions:** Assign special functions to keys.
- **Lighting Effects:** Customize RGB backlighting patterns and colors.
- **Macro Recording:** Create and assign macros for complex commands.

Connect your keyboard via USB-C to your computer and access the NuPhyIO software to begin customization. The software supports Windows, macOS, and Linux systems.

Your browser does not support the video tag.

Video: A tutorial demonstrating how to use the NuPhyIO software to customize key bindings and record macros, including setting a Mac lock screen function for enhanced productivity.



Image: A computer screen displaying the NuPhyIO software interface, which provides various options for programming key functions, customizing RGB lighting, and managing macros for the Node100 keyboard.

5.3. Adjustable Kickstand

The keyboard features a two-stage kickstand, allowing you to adjust the typing angle to 4°, 8°, or 10° for ergonomic comfort.

Two-stage kickstand with adjustable height

3 angles, suitable for different scenes.

4° / 8° / 10°

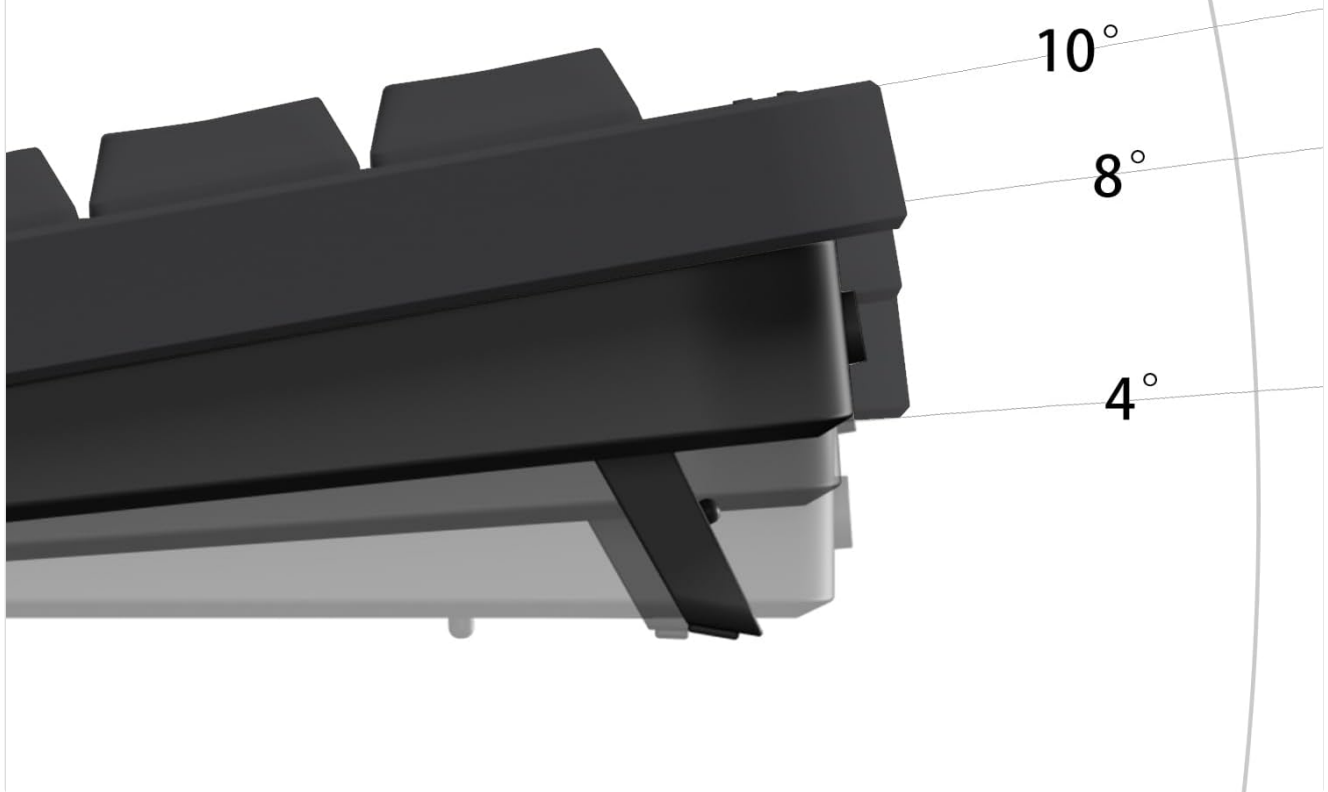


Image: A side view of the Node100 keyboard illustrating its two-stage adjustable kickstand, which can be set to angles of 4, 8, or 10 degrees for personalized ergonomic comfort.

6. BATTERY LIFE

The Node100 keyboard is equipped with a 3000mAh battery, providing:

- Approximately 60-100 hours of battery life with backlighting ON.
- Approximately 1000 hours of battery life with backlighting OFF.

Gasket Structure

Delivers a softer, more consistent typing experience

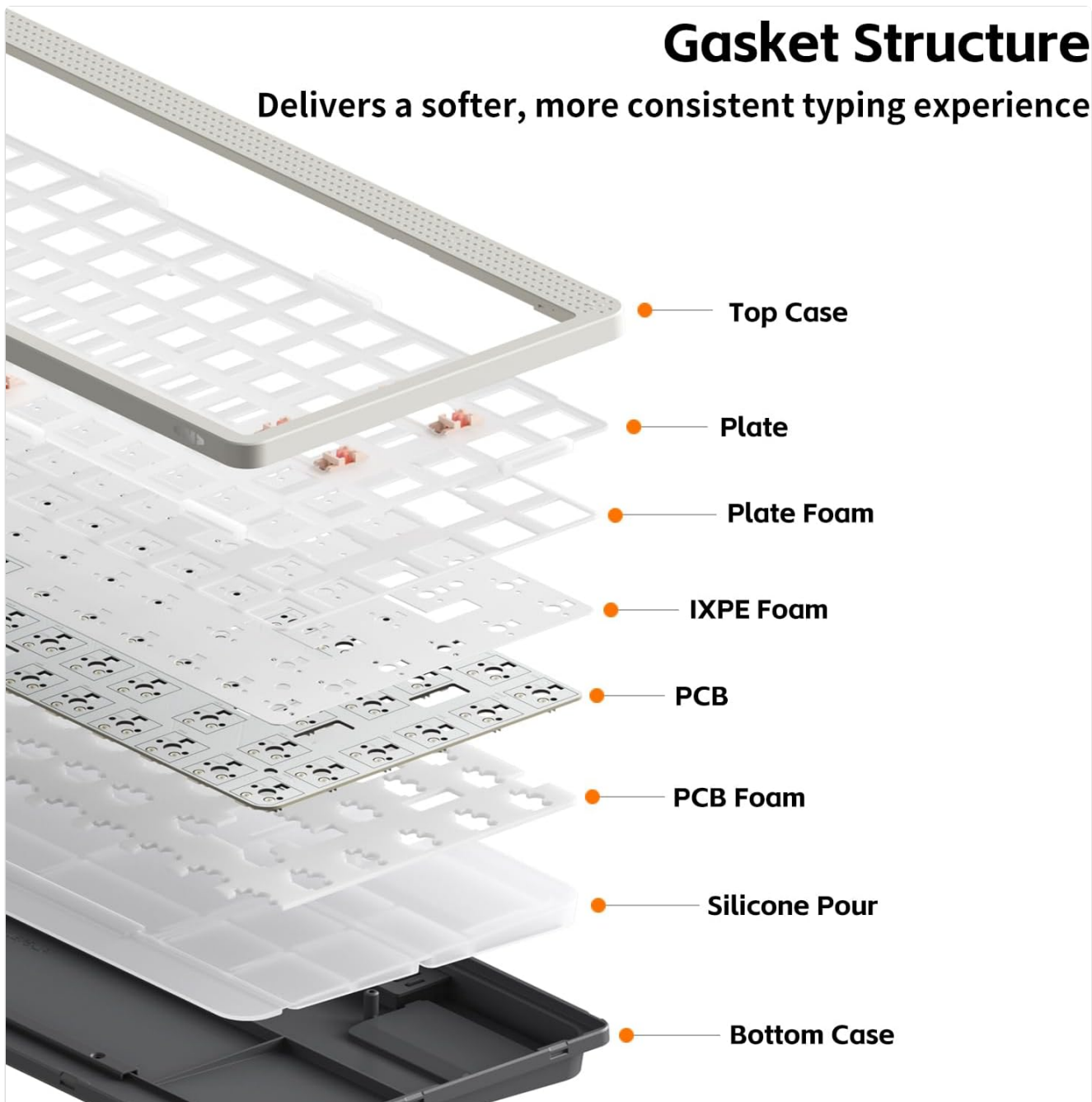


Image: A visual highlighting the 3000mAh battery capacity of the NuPhy Node100 keyboard, emphasizing its extended battery life for prolonged use.

7. MAINTENANCE

7.1. Cleaning

- Use a soft, dry cloth to wipe the keyboard surface.
- For deeper cleaning, use the included keycap puller to remove keycaps and clean underneath with compressed air or a small brush.
- Avoid using harsh chemicals or abrasive materials.

7.2. Keycap and Switch Replacement

The Node100 is hot-swappable, allowing for easy replacement of switches without soldering. Use the provided keycap/switch puller for safe removal and installation.



Image: An exploded diagram illustrating the internal components of the Node100 keyboard, showcasing its gasket mount structure which contributes to a softer and more consistent typing experience.

8. TROUBLESHOOTING

8.1. Connection Issues

- **Wireless Disconnection:** Ensure the keyboard is charged. Check that the 2.4GHz receiver is securely plugged in or that Bluetooth is enabled on your device and the keyboard is paired. Try re-pairing Bluetooth or re-inserting the 2.4GHz receiver.
- **Lag or Delayed Input:** In 2.4GHz or Bluetooth mode, ensure there are no strong interference sources nearby. For optimal performance, use wired mode or ensure the keyboard is close to the receiver/device.
- **Keyboard Not Recognized (Wired):** Ensure the USB-C cable is properly connected to both the keyboard and your computer. Try a different USB port or cable.

8.2. Key Functionality

- **Keys Not Responding:** Check if the keyboard is in the correct operating mode (Windows/Mac switch). If individual keys are not working, they might need to be reseated or replaced if they are hot-swappable.
- **Backlight Issues:** Ensure backlighting is enabled via NuPhyIO or keyboard shortcuts. Check brightness settings.

8.3. Software Issues (NuPhyIO)

- **Software Not Detecting Keyboard:** Ensure the keyboard is connected via USB-C and the correct mode is selected. Restart the NuPhyIO software and/or your computer.
- **Customizations Not Applying:** Ensure you have saved and applied changes within the NuPhyIO software.

9. SPECIFICATIONS

Feature	Detail
Brand	nuphy
Model Number	NuPhy Node100 keyboard
Connectivity Technology	USB-C/2.4GHz/Bluetooth
Number of Keys	103
Switch Type	Mechanical (Blush Nano Switch for this variant)
Keyboard Layout	QWERTY
Special Features	Backlit, Programmable Keys, Hot-Swappable, Gesture touch, Ergonomic
Compatible Devices	Laptop, MAC, PC, Tablet
Recommended Uses	Gaming, Office
Material	Acrylonitrile Butadiene Styrene, Polycarbonate
Item Weight	787.3 Grams
Power Source	USB power

10. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official NuPhy website or contact their customer service directly. Details are typically provided in the Quick Start Guide included with your product.

You can also visit the NuPhy Store on Amazon for additional resources and contact information.