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Chilkey ND104 Wireless Mechanical Keyboard

Chilkey ND104 Wireless Mechanical Keyboard User Manual

Model: ND104

INTRODUCTION

The Chilkey ND104 is a full-size wireless mechanical keyboard designed for versatility and performance. It features multiple connectivity options, a customizable LCD screen, hot-swappable switches, and dynamic RGB backlighting. This manual provides detailed instructions for setting up, operating, and maintaining your keyboard.



Image: Chilkey ND104 Wireless Mechanical Keyboard highlighting its main features.

WHAT'S IN THE BOX

Please check the package contents to ensure all items are present:

- ND104 Wireless Mechanical Keyboard
- 2.4G receiver
- USB-C Cable

- Elastic Bar Mounts
- Gasket Mounts
- Keycap Puller
- User Manual



Image: All components included in the Chilkey ND104 keyboard package.

SETUP

Connectivity Options

The ND104 keyboard supports three connection modes: Bluetooth 5.4, 2.4GHz wireless, and USB-C wired.

- **USB-C Wired Connection:** Connect the provided USB-C cable from the keyboard to your computer's USB port. The keyboard will automatically switch to wired mode and begin charging.
- **2.4GHz Wireless Connection:** Insert the 2.4G receiver into an available USB port on your computer. The keyboard should automatically connect.
- **Bluetooth Connection:** Activate Bluetooth on your device. Put the keyboard into Bluetooth pairing mode (refer to the keyboard's specific key combination for Bluetooth pairing, usually Fn + a number key). Select 'Chilkey ND104' from your device's Bluetooth list to connect.



Image: Visual representation of the keyboard's 2.4GHz, Bluetooth, and USB-C connectivity options.

Initial Charge

Before first use, it is recommended to fully charge the keyboard using the provided USB-C cable. The keyboard features an 8000mAh battery for extended use.



Image: Internal view of the keyboard highlighting the large capacity battery.

OPERATING INSTRUCTIONS

LCD Screen Functions

The built-in LCD screen offers multiple modes for enhanced productivity and information display:

- **Calculator:** Press the dedicated Calculator Key (usually Fn + Calculator Key) to activate a fully functional, standalone calculator on the screen.
- **Clock:** Displays the current time and date.
- **Weather Forecast:** Provides a quick weather forecast. Cycle to this display by pressing Fn + Knob.
- **Keyboard Status:** Shows essential indicators such as battery level, current connection mode, and Caps Lock status.

The screen also supports dynamic backgrounds and custom images/GIFs via the Chilkey driver software.



Image: The keyboard's LCD screen displaying various functions like calculator, clock, and weather.

Knob Control

The hot-swappable knob provides smooth and precise control over various functions:

- **Volume Control:** Rotate the knob to adjust system volume. Press the knob to mute/unmute audio.
- **Media Control:** Can be configured for media playback controls.
- **Screen Cycling:** Press Fn + Knob to cycle through the different display modes on the LCD screen.

RGB Backlighting

The keyboard features customizable RGB backlighting. Light emanates softly from between the keys, creating a surround lighting effect that minimizes direct glare. Specific key combinations or software can be used to adjust lighting modes, colors, and brightness.

Hot-Swappable Switches

The ND104 keyboard is designed with hot-swappable switches, allowing users to easily change switches without soldering. Use the included keycap and switch puller tools to remove and replace switches.



Image: Detail of hot-swappable switches, demonstrating ease of replacement.



Image: Further detail on the hot-swappable switch mechanism.

FEATURES

Typing Experience

The ND104 provides a smooth, quiet, and crisp typing experience. Sculpted keycaps contribute to a comfortable feel. The design also offers a cushioned, silent, and effortless feel, suitable for various environments.

Premium Construction

The keyboard features a precision-machined 6063 aluminum case, available with anodized or electrostatic spraying finishes. This construction ensures durability and a premium tactile feel. The electrostatic spraying technology provides rich color and fine texture.

Advanced Sound Dampening

Internal design includes five layers of precision damping: plate foam, switch foam, PET acoustic pads, and case foam. These layers work together to suppress vibration and deliver a deep, clean acoustic profile. An FR4 gold-immersion plate further enhances sound and tactile consistency.



Image: Exploded view illustrating the multiple internal layers for acoustic dampening.



Image: Detailed diagram of the plate foam, switch foam, PET acoustic pad, and case foam layers.

Hidden Storage Compartment

The keyboard includes a discreet mini storage compartment, ideal for keeping small essentials such as USB drives, wireless receivers, spare switches, or keycaps readily accessible and organized.



Image: The hidden storage compartment with a 2.4G wireless receiver stored inside.

MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the keyboard surface. For keycaps, a damp cloth with mild soap can be used, ensuring no liquid enters the switches.
- **Switch Care:** If switches become sticky or unresponsive, they can be hot-swapped for new ones. Regular cleaning with compressed air can help remove debris.
- **Battery:** To prolong battery life, avoid fully discharging the keyboard frequently. Charge when the battery indicator on the LCD screen shows low power.
- **Storage:** Store the keyboard in a cool, dry place away from direct sunlight and extreme temperatures.

TROUBLESHOOTING

- **Keyboard not responding:** Ensure the keyboard is charged. Check the connection mode (wired, 2.4GHz, Bluetooth) and ensure it matches your device's connection. Try reconnecting the USB-C cable or 2.4G receiver, or re-pairing via Bluetooth.
- **Keys not registering:** If specific keys are not working, try hot-swapping the switch for a known working one to determine if the switch or the PCB is the issue.
- **Bluetooth connection issues:** Ensure the keyboard is in pairing mode and your device's Bluetooth is enabled. Remove previous pairings and try connecting again. Ensure no other devices are interfering with the Bluetooth signal.
- **LCD screen not displaying:** Check the keyboard's power status. If the screen is blank, try cycling through modes using Fn + Knob.
- **RGB lighting not working:** Use the keyboard's lighting control shortcuts or software to check if the lighting is turned off or set to a very dim level.

SPECIFICATIONS

Product Dimensions	17.23 x 5.52 x 1.35 inches (437.2 x 140.2 x 34.4 mm)
Item Weight	4.1 pounds (1.86 kg)
Manufacturer	OOCTPK
Model Number	ND104 Wireless Mechanical Keyboard
Batteries	2 Nonstandard Battery batteries required (included)
Compatible Devices	Laptop, PC, Tablet
Connectivity Technology	Bluetooth 5.4, 2.4GHz, USB-C
Keyboard Description	Gaming, Full-size
Special Features	Backlit, Customizable Display Keys, Hot-Swappable, Programmable Keys, Volume Roller, LCD Screen
Color	Shadow Black (variant)
Backlighting Color Support	RGB



Image: Detailed dimensions of the Chilkey ND104 keyboard.

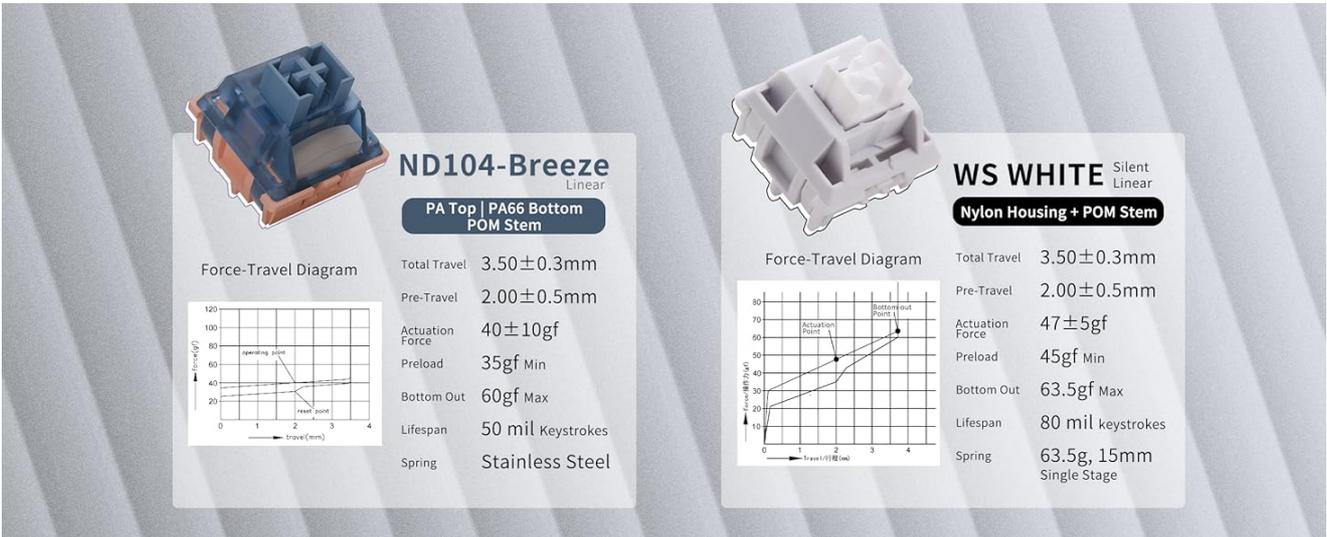


Image: Force-travel diagrams for ND104-Breeze and WS WHITE switches.

OFFICIAL PRODUCT VIDEO

Your browser does not support the video tag.

Video: Official video demonstrating the features and functionality of the Chilkey ND104 Wireless Mechanical Keyboard, including the LCD screen, knob control, and typing experience.

WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official Chilkey website or contact customer service. Keep your purchase receipt for warranty claims.