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nuphy Air75 V2

NuPhy Air75 V2 Mechanical Keyboard User Manual

Model: Air75 V2 | Brand: NuPhy

INTRODUCTION

Welcome to your NuPhy Air75 V2 Portable 75% Low Profile Mechanical Keyboard. This manual provides detailed instructions for setup, operation, maintenance, and troubleshooting to ensure optimal performance and longevity of your device. Please read this manual thoroughly before using your keyboard.



Image: NuPhy Air75 V2 keyboard, showcasing its compact design, included USB-C cable, and a set of extra mechanical switches.

WHAT'S IN THE BOX

- NuPhy Air75 V2 Mechanical Keyboard
- USB Cable
- 2.4G USB Receiver (typically stored in the keyboard's bottom compartment)
- Keycap Puller
- Switch Puller
- Extra Mechanical Switches (various types for testing)

KEY FEATURES

- **Translucent Bottom Shell Design:** The Air75 V2 features a high-quality aluminum frame and a new translucent bottom case, allowing visibility of its internal structure. Two height stands are integrated for enhanced typing comfort.



Image: Side view of the NuPhy Air75 V2 keyboard, highlighting its slim profile and the translucent bottom shell design.

- **Multi-device Connectivity:** Compatible with Mac/Windows/Linux/Android/iOS, supporting Bluetooth 5.1, 2.4G, and wired USB-C modes. Connect up to 4 devices simultaneously and switch between them

seamlessly.

- **Cool RGB Backlit Effect:** Offers more than 21 different color effects, easily changeable via key combinations. Advanced customization is available through the console. Two RGB light bars on the aluminum frame indicate Caps Lock, connection mode, battery level, and system mode.



Image: The NuPhy Air75 V2 keyboard illuminated with its customizable RGB backlighting.

- **QMK/VIA Compatibility:** Fully realizes the hardware's potential under new firmware, offering open-source code, endless key remapping, light customization, and other creative possibilities.

Create keybindings without bounds, transform layouts VIA layers.



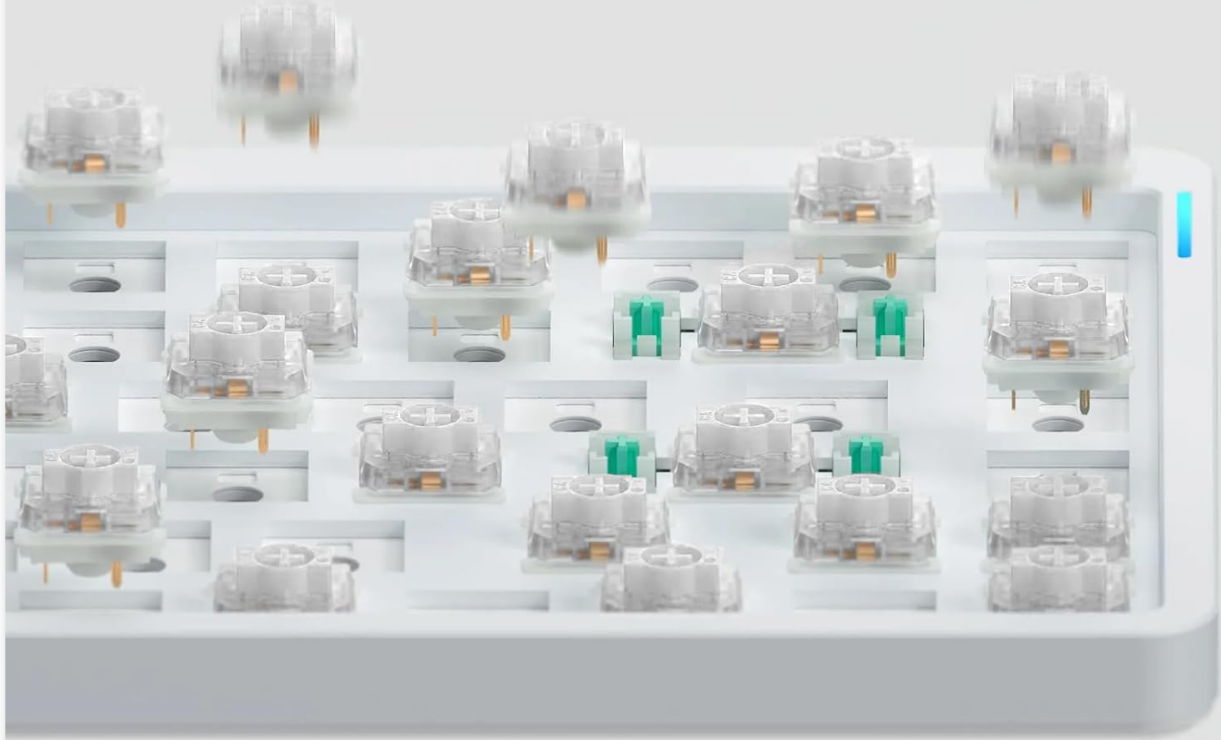
Based on QMK/VIA, you can create a keyboard with your own ideas and make the keyboard more enjoyable for you.

Image: Screenshot of the VIA software interface, demonstrating key remapping and customization options for the keyboard.

- **Long Endurance:** The 4000mAh battery provides 35-57 hours of continuous use with the keyboard backlight fully turned on, and up to 220 hours with the backlight off.
- **PBT Keycaps:** Made from durable PBT material, providing a comfortable touch and ensuring characters on the keycaps do not fade over long-term use.
- **Hot-Swappable Switches:** Allows for easy replacement or upgrade of mechanical switches without soldering, offering a customizable typing experience.

Hot-swappable

Air75 V2 keyboard is hot-swappable, allowing you to easily replace or upgrade your switches without soldering and to enjoy a different typing experience free of restriction.



Please refer to the title or description page for the specific switch type of the keyboard.

Image: Detailed view of the hot-swappable switch sockets on the NuPhy Air75 V2 keyboard, with some switches removed.

SETUP GUIDE

Charging the Keyboard

Connect the provided USB-C cable to the keyboard's USB-C port (located on the top edge) and to a power source (computer USB port or wall adapter). The RGB light bar on the right side of the keyboard will indicate the current battery level during charging.

Connectivity Modes

The Air75 V2 supports three connectivity modes: Wired, 2.4G Wireless, and Bluetooth.

Wired Connection

Connect the USB-C cable from the keyboard to your computer. Ensure the mode switch on the side of the keyboard is set to "Wired".

2.4G Wireless Connection

Locate the 2.4G USB receiver (typically stored in the keyboard's bottom compartment). Plug the receiver into an available USB port on your computer. Set the mode switch on the keyboard to "2.4G". The keyboard should automatically connect. The left RGB light bar will indicate connection status.

Bluetooth Connection

Set the mode switch on the keyboard to "Bluetooth". On your device (computer, tablet, or phone), enable Bluetooth and search for "NuPhy Air75 V2". Select the keyboard to pair. The keyboard supports up to 3 Bluetooth devices, switchable via specific key combinations (refer to operating instructions). The left RGB light bar will indicate connection status.

OPERATING INSTRUCTIONS

System Mode Switching

The keyboard supports both Mac and Windows layouts. Use the dedicated switch on the side of the keyboard to select your operating system (Mac/Windows). This adjusts key functions like Command/Alt to match your chosen OS.

RGB Backlight Control

The Air75 V2 features customizable RGB backlighting.

- **Change lighting effects:** Use the designated key combinations (e.g., Fn + certain keys) to cycle through over 21 different lighting effects. Refer to the keyboard's key legends or the VIA software for specific combinations.
- **Adjust brightness:** Use the brightness control keys (often Fn + arrow keys or dedicated function keys) to increase or decrease backlight intensity.
- **Customize effects:** For advanced customization, including per-key lighting and complex animations, download and use the QMK/VIA software.

Key Remapping and Customization (QMK/VIA)

The Air75 V2 is compatible with QMK/VIA firmware, allowing extensive customization of key assignments and lighting effects. To utilize this feature:

1. Download the VIA software from the official NuPhy website.
2. Connect the keyboard to your computer via the USB-C cable.
3. Launch the VIA software. The interface will allow you to remap keys, create macros, and customize lighting layers according to your preferences.

Hot-Swappable Switches

The Air75 V2 features hot-swappable switches, enabling you to change mechanical switches without the need for soldering. This allows for easy customization of your typing feel.

- **To remove a switch:** Use the provided switch puller. Grip the switch firmly with the puller and gently pull upwards until the switch detaches from the PCB.
- **To install a switch:** Align the pins of the new switch with the corresponding sockets on the PCB. Press down firmly and evenly until the switch clicks securely into place. Ensure pins are not bent.

MAINTENANCE

Cleaning

Regular cleaning helps maintain the appearance and functionality of your keyboard.

- Use a soft, lint-free cloth to wipe down the keycaps and aluminum frame.
- For deeper cleaning, use the provided keycap puller to carefully remove keycaps. Use compressed air to clear any dust or debris from beneath the switches.
- Avoid using harsh chemicals, solvents, or abrasive materials, as these can damage the keyboard's finish or components.

Battery Care

To prolong the lifespan of your keyboard's battery, avoid frequent full discharges. It is recommended to charge the keyboard when the battery indicator shows low power. Store the keyboard in a cool, dry place when not in use for extended periods.

TROUBLESHOOTING

Problem	Solution
Keyboard not connecting wirelessly	Ensure the mode switch on the side of the keyboard is set correctly (2.4G or Bluetooth). Check if the 2.4G receiver is properly inserted or if Bluetooth is enabled and paired on your device. Try restarting the keyboard and your device.
Keys not responding	Check if the keyboard is charged. Ensure it's properly connected (wired, 2.4G, or Bluetooth). If individual keys are not responding, they might need to be reseated or replaced using the hot-swappable feature.
RGB lighting not working	Ensure the keyboard is powered on. Check brightness settings using the appropriate key combinations. If using VIA software, verify lighting configurations within the application.
Keyboard frequently disconnects	Ensure the keyboard is within optimal range of your device (for wireless connections). Check for potential interference from other wireless devices. Consider updating the keyboard firmware if a newer version is available from NuPhy.

SPECIFICATIONS

Feature	Detail
Product Dimensions	12.46 x 5.22 x 0.53 inches
Item Weight	1.32 pounds
Manufacturer	nuphy
Language	English
Item model number	Air75 V2
Batteries	1 9V batteries required.

Feature	Detail
Compatible Devices	Laptop, PC, Tablet
Connectivity Technology	2.4GHz, Bluetooth, USB-C
Keyboard Description	Bluetooth
Recommended Uses For Product	Business, Education, Everyday Use, Gaming, Personal
Special Feature	Portable
Color	Black
Number of Keys	84
Keyboard backlighting color support	RGB
Style	Modern



Switch Specifications

The Air75 V2 is available with various Gateron switches. Below are details for common switch types:

Brown 2.0 (Tactile, 55gf)



Pre-travel: $1.7 \pm 0.4\text{mm}$ / Total travel: $3.2 \pm 0.2\text{mm}$
Operating force: $55 \pm 15\text{gf}$ / End force: $60 \pm 5\text{gf}$
Stem: POM / Top: PC / Bottom: PA66
Spring: 13.5mm Double-stage
Factory lubed

Blue 2.0 (Clicky, 65gf)



Pre-travel: $1.7 \pm 0.4\text{mm}$ / Total travel: $3.2 \pm 0.2\text{mm}$
Operating force: $65 \pm 15\text{gf}$ / End force: $60 \pm 5\text{gf}$
Stem: POM / Top: PC / Bottom: PA66
Spring: 13.5mm Double-stage
Factory lubed

Red 2.0 (Linear, 45gf)




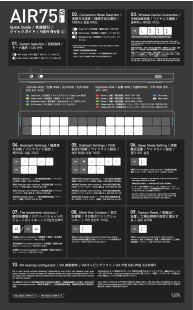

Pre-travel: $1.7\pm0.4\text{mm}$ / Total travel: $3.2\pm0.2\text{mm}$
Operating force: $50\pm15\text{gf}$ / End force: $60\pm5\text{gf}$
Stem: POM / Top: PC / Bottom: PA66
Spring: 13.5mm Double-stage
Factory lubed




WARRANTY AND SUPPORT

For detailed warranty information, technical support, and frequently asked questions, please visit the official NuPhy website or contact their customer service department. Keep your purchase receipt as proof of purchase for any warranty claims.

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Related Documents - Air75 V2

	<p>NuPhy NOSZS Quick Guide: Setup, Settings, and VIA Configuration</p> <p>A comprehensive quick guide for the NuPhy NOSZS mechanical keyboard, covering system selection, backlight and sidelight settings, sleep mode, key combos, and VIA software configuration. Learn to customize your typing experience.</p>
	<p>NuPhy AIR75 V2 Quick Guide</p> <p>A quick guide to the NuPhy AIR75 V2 keyboard, covering system selection, connection modes, wireless device pairing, backlight and sidelight settings, sleep mode, shortcuts, and VIA keymap configuration.</p>
	<p>NuPhy AIR75 Quick Guide: Keyboard Operation, Lighting, and Settings</p> <p>A concise guide to the NuPhy AIR75 keyboard, covering operation modes, RGB lighting customization, backlight settings, sleep mode, and screenshot shortcuts.</p>

	<p>NuPhy Air75 Quick Start Guide</p> <p>A comprehensive quick start guide for the NuPhy Air75 keyboard, covering system selection, connection modes, wireless device pairing, LED indicators, backlight and sidelight settings, battery status, and other key combinations for efficient use.</p>
	<p>NuPhy KICK75 Installation Guide: Low & High Profile Assembly</p> <p>Detailed installation and assembly guide for the NuPhy KICK75 mechanical keyboard. Learn how to disassemble, install switches, set up stabilizers, and configure both low and high profile versions. Includes visual descriptions of diagrams and key layouts.</p>
	<p>NuPhy KICK75 Installation Guide: High and Low Profile Assembly</p> <p>Comprehensive installation guide for the NuPhy KICK75 mechanical keyboard, covering both high and low profile configurations, switch installation, and stabilizer assembly. Includes detailed steps and diagrams explained textually.</p>