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> NuPhy Air60 V2 QMK/VIA Mechanical Keyboard User Manual

nuphy Air60 V2

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PRODUCT OVERVIEW

The NuPhy Air60 V2 is a 60% low-profile mechanical keyboard designed for versatility and performance. It features QMK/VIA compatibility for extensive customization, multiple connectivity options (Bluetooth 5.1, 2.4GHz wireless, and wired USB-C), and is compatible with both Windows and macOS operating systems. The keyboard is equipped with hot-swappable switches and durable double-shot PBT keycaps, providing a responsive and customizable typing experience.



Image: NuPhy Air60 V2 Mechanical Keyboard, showcasing its compact 60% layout and low-profile design.

INITIAL SETUP

Package Contents

- NuPhy Air60 V2 Keyboard
- USB-C to USB-A Cable
- 2.4GHz Receiver
- Keycap Puller
- Switch Puller
- Additional Keycaps (optional)
- NuFolio V3 (optional)

Charging the Keyboard

Before first use, fully charge the keyboard. Connect the provided USB-C cable to the keyboard's USB-C port and the other end to a powered USB port on your computer or a compatible wall adapter. The charging indicator light will show the charging status and turn off when fully charged.

Connectivity Modes

The Air60 V2 supports three connection modes: Bluetooth 5.1, 2.4GHz wireless, and wired USB-C. Use the mode switch located on the side of the keyboard to select your desired connection type.

2.4GHz Wireless Connection

1. Insert the 2.4GHz receiver into an available USB port on your computer.
2. Switch the keyboard to 2.4GHz mode using the physical switch. The keyboard will automatically connect to the receiver.

Bluetooth 5.1 Connection

1. Switch the keyboard to Bluetooth mode using the physical switch.
2. On your device (computer, tablet, or smartphone), navigate to Bluetooth settings and search for new devices.
3. Select "NuPhy Air60 V2" from the list of available devices to pair. The keyboard supports pairing with up to three Bluetooth devices, switchable via specific key combinations (refer to the operating section for details).

Wired USB-C Connection

Connect the keyboard directly to your computer using the provided USB-C cable. The keyboard will automatically operate in wired mode and charge simultaneously. This mode is recommended for firmware updates.

Hot swappable switch

Mechanical switches can be replaced with different models

A different typing experience for you

(For specific switch models, please check the title and detailed description.)

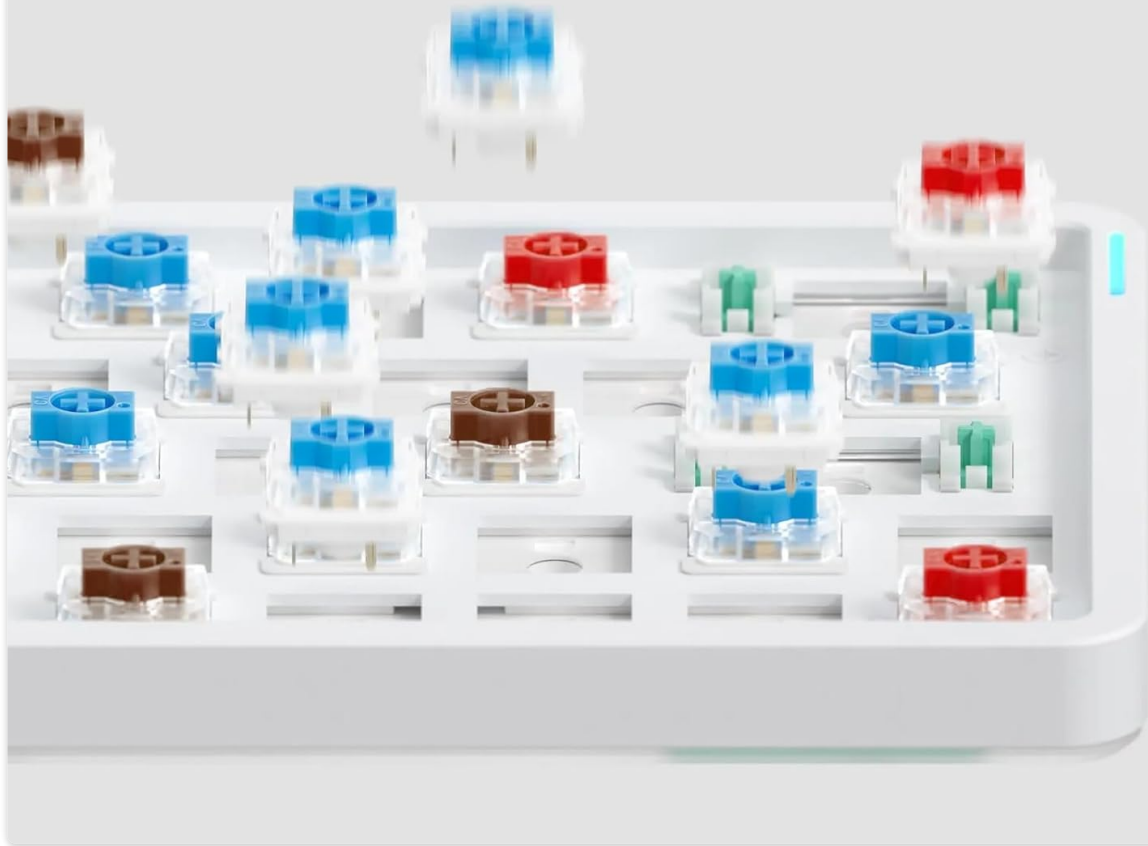


Image: NuPhy Air60 V2 keyboard positioned on a MacBook Pro, demonstrating its compact size and compatibility with portable devices.

OPERATION

System Compatibility Switch

The keyboard features a dedicated switch to toggle between Windows and macOS layouts. Ensure this switch is set to the correct operating system for proper key mapping and functionality.

QMK/VIA Customization

The Air60 V2 is compatible with QMK/VIA firmware, offering extensive customization options. Download the VIA software from the official NuPhy website to:

- Remap individual keys to different functions.
- Create and assign complex macros.
- Customize RGB lighting effects and colors.
- Manage multiple key layers for advanced functionality.

RGB Lighting Effects

The keyboard features customizable RGB backlighting. Various lighting effects, colors, and brightness levels can be configured through the VIA software or by using onboard shortcut key combinations. Refer to the quick start guide or the NuPhy website for specific key commands to cycle through effects and adjust settings.



Image: NuPhy Air60 V2 keyboard displaying its key layout and including a set of additional keycaps for customization.

MAINTENANCE

Cleaning

To maintain optimal performance and appearance, regularly clean your keyboard. Use a soft brush or compressed air to remove dust and debris from between the keycaps. For surface cleaning, gently wipe the keyboard with a slightly damp, lint-free cloth. Avoid using harsh chemicals or abrasive materials.

Keycap Replacement

The Air60 V2 features durable double-shot PBT keycaps. To replace keycaps, use the provided keycap puller. Gently attach the puller to the keycap and pull straight up. When installing new keycaps, align them properly with the switch stem and press down firmly until they click into place. Avoid twisting or applying excessive force.

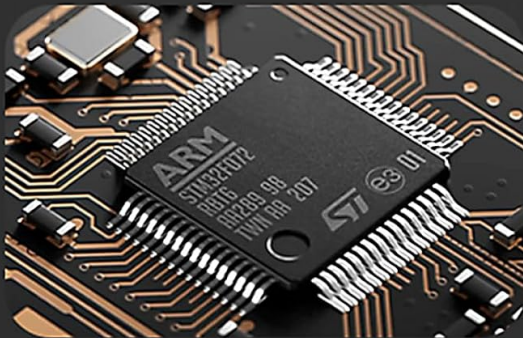
Switch Replacement

This keyboard is hot-swappable, allowing you to change mechanical switches without soldering. To replace a switch:

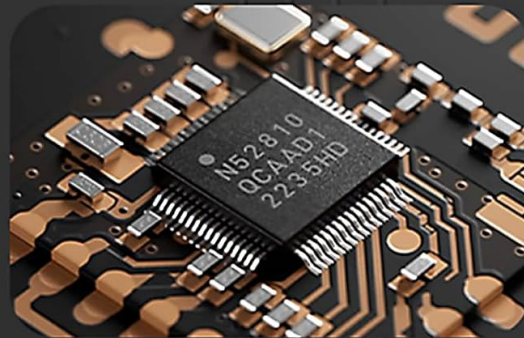
1. First, remove the keycap using the keycap puller.
2. Use the provided switch puller to grasp the top and bottom clips of the switch.
3. Gently pull the switch straight up to remove it from the PCB.
4. To install a new switch, ensure its pins are straight and align them with the holes on the PCB. Press down firmly until the switch clicks into place. Ensure the switch is fully seated and functional before replacing the keycap.

Professional-grade wireless performance

Equipped with ST+Nordic platform, the high rate of return reaches 1000Hz, which helps you to enjoy the carefree experience of game competition while meeting the needs of efficient office work.



STM32F072 MCU



Nordic NRF52810 SoC



Image: A close-up view of the keyboard's hot-swappable mechanical switches, illustrating the ease of replacement.

TROUBLESHOOTING

Connectivity Issues

- **No Connection:** Ensure the keyboard is charged and the mode switch is set correctly (Bluetooth, 2.4GHz, or Wired). For wireless modes, ensure the keyboard is within range of your device or the 2.4GHz receiver.

- **2.4GHz Disconnection:** Try re-inserting the 2.4GHz receiver into a different USB port. Ensure there are no strong interferences from other wireless devices.
- **Bluetooth Pairing Failure:** Delete the keyboard from your device's Bluetooth list and attempt to re-pair. Ensure the keyboard is in pairing mode.

Keys Not Responding

- **Individual Keys:** If specific keys are not working, the switch might be faulty or improperly seated. As the keyboard is hot-swappable, try removing and re-inserting the switch, or replace it with a spare switch.
- **All Keys:** Check the system compatibility switch (Windows/macOS) to ensure it matches your operating system. Try connecting the keyboard via USB-C cable to rule out wireless issues.

Lighting Problems

- **No Backlight:** Ensure the keyboard battery is sufficiently charged. Check if the backlight has been turned off via onboard shortcuts or VIA software.
- **Incorrect Effects/Colors:** Use the VIA software to reset or reconfigure your desired RGB lighting effects.

Firmware Updates

Periodically check the official NuPhy website for firmware updates. Updating the firmware can resolve bugs, improve performance, and introduce new features. Always follow the instructions provided with the firmware update tool carefully to avoid damaging the device. Firmware updates are typically performed via a wired USB-C connection.

PRODUCT SPECIFICATIONS

Feature	Detail
Brand	nuphy
Model Number	Air60 V2
Model Name	QMK/VIA Wireless Custom Mechanical Keyboard
Compatible Devices	Laptop, PC, Tablet
Connectivity Technology	Bluetooth 5.1, 2.4GHz Wireless, Wired (USB-C)
Keyboard Description	Mechanical
Recommended Uses	Gaming
Special Feature	RGB Backlit, Hot-swappable Switches
Color	White
Dimensions (L x W x H)	29.7L x 10.7W x 1.3H cm

Feature	Detail
Switch Type	Mechanical
Keyboard Layout	QWERTY
Number of Keys	64
Power Source	Battery Powered
Compatible OS Family	macOS, Windows
Internal Material	Aluminum, Plastic
Keycap Material	Double-shot PBT



Image: Detailed view of the NuPhy Air60 V2's internal components, highlighting the STM32F072 MCU and Nordic NRF52810 SoC for professional-grade wireless performance.

WARRANTY AND SUPPORT

Warranty Information

The NuPhy Air60 V2 keyboard comes with a standard manufacturer's warranty. Please refer to the warranty card included in your product packaging for detailed terms, conditions, and duration of coverage. Retain your proof of purchase for warranty claims.

Customer Support

For technical assistance, troubleshooting, or any product-related inquiries, please visit the official NuPhy support page or contact their customer service team. When contacting support, please have your product serial number and purchase details readily available for efficient service.

Official NuPhy Website: www.nuphy.com