nuphy Field75 HE

nuphy Field75 HE Wired Magnetic Gaming Keyboard User Manual

Model: Field75 HE | Brand: nuphy

PRODUCT OVERVIEW

The nuphy Field75 HE is a high-performance wired gaming keyboard designed for precision and speed. It features advanced Hall Effect magnetic switches, adjustable actuation, and rapid trigger technology for an unparalleled gaming and typing experience. With an 8K Hz polling rate, it ensures ultra-low latency, making it ideal for competitive play. The keyboard also boasts durable PBT keycaps and a compact 83-key layout that saves space while retaining essential functionality.

Image: Nuphy Field75 HE Wired Magnetic Gaming Keyboard.

WHAT'S IN THE BOX

- Field75 HE Magnetic Switch Gaming Keyboard

- USB Cable
- Operation instruction

SETUP

Initial Connection

To begin using your Nuphy Field75 HE keyboard, connect it to your computer using the provided USB-C cable. The keyboard is designed for wired operation to ensure optimal performance and responsiveness.

Image: Nuphy Field75 HE keyboard connected to a device via USB-C cable.

Unboxing and First Look

This video provides a visual guide to unboxing the Field75 HE keyboard and its contents, offering a first look at the design and accessories.

DETAILED FEATURES

Magnetic Switches & Hall Effect Sensors

The Field75 HE utilizes advanced magnetic switches and Hall Effect Sensors. This technology allows for faster response times and enables features like Rapid Trigger and adjustable actuation, enhancing both gaming and office productivity. The keyboard also features vibrant RGB backlighting for improved visual experience in low-light conditions.
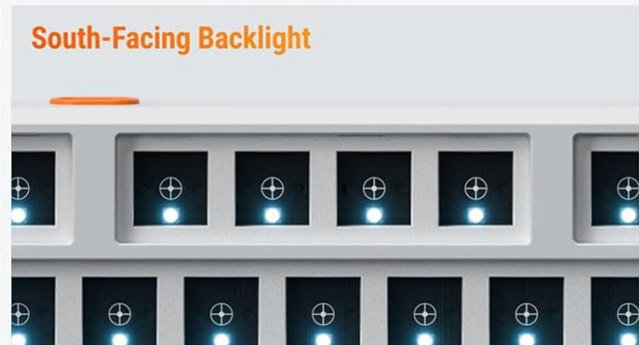

Image: Overview of magnetic switch technology, 8KHz polling, and rapid trigger.

Image: Detailed view of a magnetic switch, highlighting its internal components.

Adjustable Actuation

The Field75 HE allows users to adjust the key travel range from 0.1mm to 4.0mm (Magnetic White switches) or 0.1mm to 3.3mm (Magnetic Jade switches). This flexibility enables players to customize their actuation point, breaking free from the traditional fixed actuation travel found in standard gaming switches.

Magnetic Switch Specifications

Switch	Initial Force	End Force	Actuation Range	Bottom-out magnetic flux	Lifespan	Features
Magnetic White (linear)	30 ± 7gf	50 ± 7gf	0.1-4.0mm	700 ± 80Gs	150 million clicks	Dual-rail structure
Magnetic Jade (linear)	30 ± 7gf	50 ± 7gf	0.1-3.3mm	700 ± 80Gs	100 million clicks	Excellent performance and consistency; Excellent typing sound

Table: Detailed specifications for Magnetic White and Magnetic Jade switches.

Rapid Trigger

The Rapid Trigger (RT) function allows for free setting of key trigger and re-trigger points. This enables more rapid key activations within the same timeframe, significantly improving game operation efficiency and simplifying complex combo executions. The RT function supports an emergency stop and re-trigger as short as 0.02mm.

Dynamic Keystroke

Within the key travel range, two distinct starting points can be configured for both pressing down and bouncing back. These points can be assigned different functions, allowing a single key press to trigger up to four different actions sequentially. This feature provides enhanced control and versatility for advanced users.

8000Hz Polling Rate

The Field75 HE features an 8000Hz polling rate, powered by the Nu1 MCU with a 144MHz clock rate and USB 2.0 data transmission support. This high polling rate ensures faster response times and a smoother experience for both gaming and general office use.

Observe the Field75 HE gaming keyboard in action, showcasing its design and features.

Video: Field75 HE gaming keyboard show (0:22).

OPERATION

NuPhyIO Customization Software

The Field75 HE Gaming Keyboard is highly customizable through the NuPhyIO web-based software. This intuitive interface allows users to easily tweak performance parameters, set key bindings, adjust lighting effects, and configure different modes. Real-time UI updates provide visual feedback, such as per-key rapid-trigger/sensitivity annotations and bi-color actuation indication bars. Global configurations can be saved as layers for quick access.

Easy to change between different modes

Light Switch

Volume Control Knob

Keyboard Mode Selection

M3

M2

M1

Parameters set in game mode may not be suitable for office use,can be adjusted to switch keyboard mode

G1

G2

G3

G4

FOCUS ON THE FUN IN FUNCTION
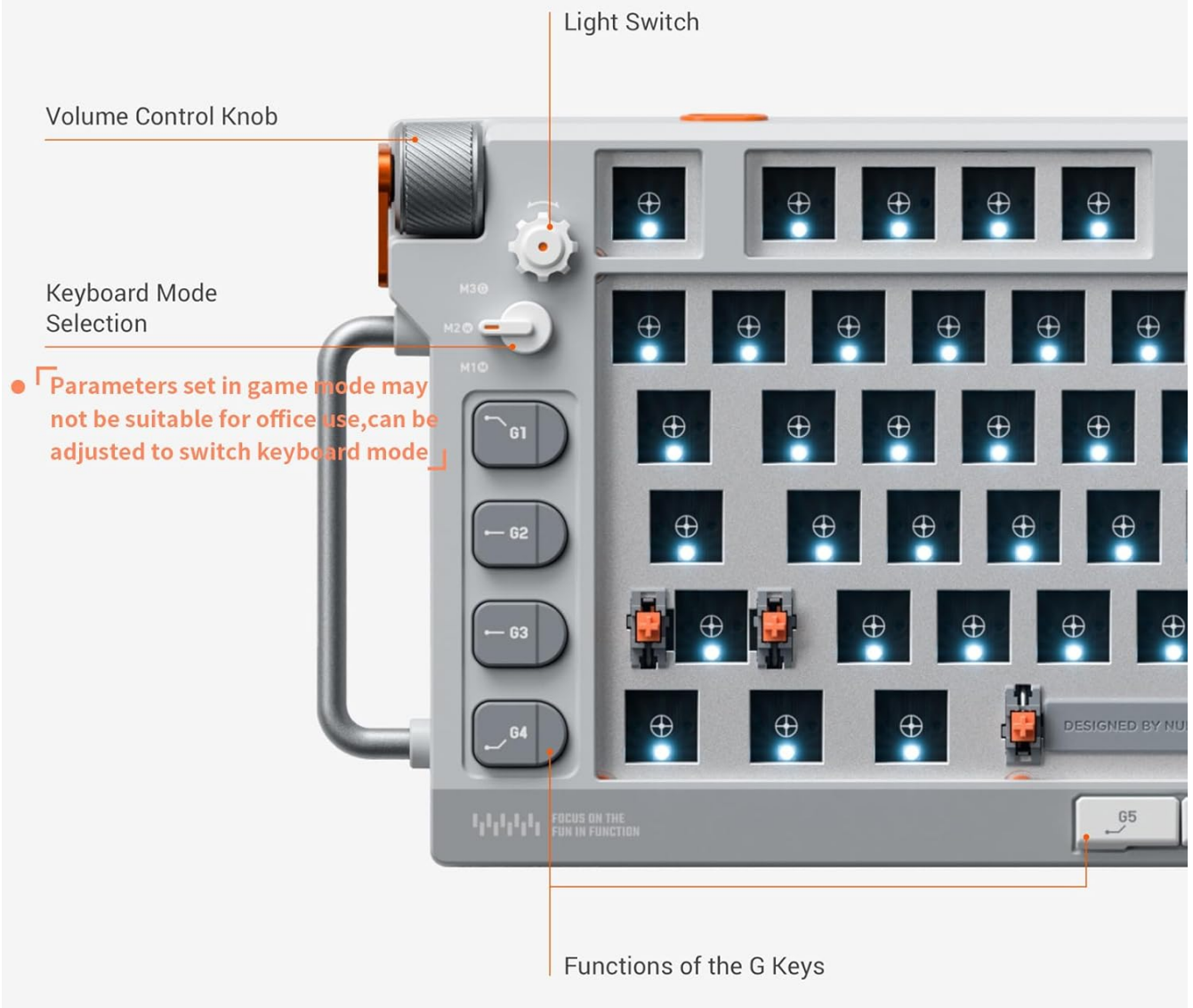
DESIGNED BY NU

G5

Functions of the G Keys

Image: Screenshot of the NuPhyIO Console, showing customization options for key bindings, trigger settings, and lighting effects. This video demonstrates the RGB backlighting features of the NuPhy Field75 HE keyboard.

Video: NuPhy Field75 HE RGB Backlit Game Keyboard (0:29).

Mode Selection

The redesigned 'shifter' switch on the keyboard allows for seamless integration and organization of all data associated with a user role, such as layers, lighting, travel distance, and sensitivity. You can set up different modes for various operating systems (Windows/macOS/Linux) or specific games, providing tailored performance profiles at your fingertips.

NuPhyIO Console

The Field75 HE can create more possibilities for the keyboard with NuPhyIO, which allows you to customize the keyboard keys according to your needs.

Image: Close-up of the keyboard's mode selection knob and G-keys.

Volume Control Knob

The keyboard features a dedicated volume control knob for convenient audio adjustments without needing to access software settings.
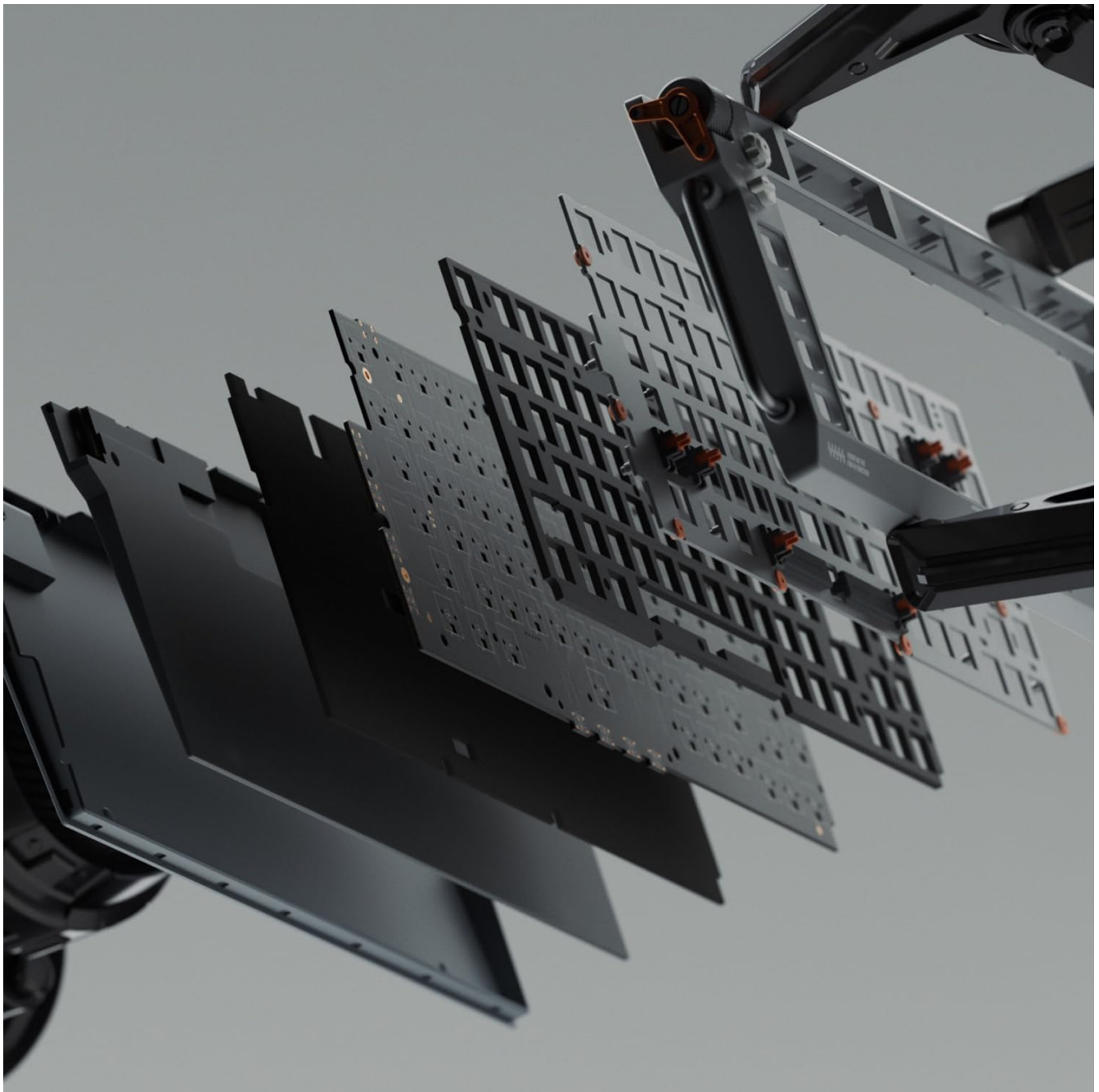
Image: Detailed view of the volume control knob and RGB lighting adjustment knob.

Programmable G-Keys

The Field75 HE includes programmable G-keys (G1-G4) that can be customized via the NuPhyIO software to execute macros or specific functions, enhancing your workflow or gaming commands.

This video provides a comprehensive overview of the Field75 HE Magnetic Gaming Keyboard's features and capabilities.

Video: Field75 HE Magnetic gaming keyboard (0:56).

Maintenance

Cleaning

Regular cleaning helps maintain the keyboard's performance and appearance. Use a soft, lint-free cloth to wipe down the keycaps and chassis. For deeper cleaning, you may carefully remove keycaps using the provided keycap puller

and use compressed air to clear debris from beneath the switches.

Keycap and Switch Replacement

The Field75 HE features hot-swappable magnetic switches, allowing for easy replacement or customization without soldering. Use the included switch puller to carefully remove switches. Ensure proper alignment when inserting new switches to avoid damage.

Image: Exploded view illustrating the internal layers and hot-swappable switches of the keyboard.

TROUBLESHOOTING

Connectivity Issues

- **Keyboard not detected:** Ensure the USB-C cable is securely connected to both the keyboard and your computer. Try a different USB port or cable.
- **Intermittent connection:** Check the USB-C cable for damage. Ensure the cable is fully inserted into the

keyboard's port.

Key Not Responding

- **Individual key failure:** Since switches are hot-swappable, carefully remove the keycap and switch. Re-insert the switch firmly to ensure proper contact. If the issue persists, try replacing the switch with a spare.
- **Incorrect actuation:** Use the NuPhyIO software to recalibrate the switches and adjust actuation points if they feel inconsistent.

Lighting Issues

- **No backlight or incorrect colors:** Use the dedicated RGB knob on the keyboard to adjust brightness or cycle through lighting modes. Alternatively, use the NuPhyIO software's 'Lighting Effects' section for comprehensive control.

SPECIFICATIONS

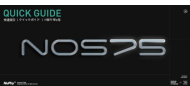| Attribute	Detail
Product Dimensions	5.59 x 14.65 x 1.57 inches
Item Weight	2.66 pounds
Manufacturer	nuphy
Item model number	Field75 HE
Batteries	1 P76 batteries required. (included)
Date First Available	August 28, 2024
Compatible Devices	Laptop, PC, Tablet
Connectivity Technology	USB-C
Keyboard Description	Support windows/mac OS/Linux... system
Recommended Uses For Product	Gaming
Special Feature	Ergonomic, Backlit, Programmable Keys, Hot-Swappable
Color	Grey
Number of Keys	83
Keyboard backlighting color support	RGB
Style	Magnetic Switch Gaming Keyboard
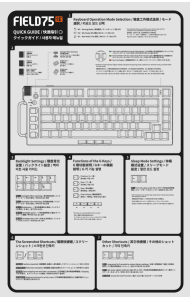
WARRANTY AND SUPPORT

For detailed warranty information and technical support, please refer to the official nuphy website or contact their customer service directly. Keep your proof of purchase for any warranty claims.

Visit the nuphy Store for more products and information.

Related Documents - Field75 HE

	NuPhy FIELD75 Keyboard Quick Guide: Operation Modes, Settings, and Shortcuts A quick guide to the NuPhy FIELD75 keyboard, covering keyboard operation modes, backlight settings, G-key functions, sleep mode, and various shortcuts for enhanced productivity and gaming.
	NuPhy Halo75 Quick Guide: Connect, Customize, and Control Explore the NuPhy Halo75 keyboard with this comprehensive quick guide. Learn about connection modes, lighting settings, function key customization, and battery indicators for an optimized typing experience.
	NuPhy NOSZS Quick Guide: Setup, Settings, and VIA Configuration 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.
	NuPhy KICK75 Quick Guide: Setup and Features Comprehensive quick guide for the NuPhy KICK75 mechanical keyboard, covering system selection, connection modes, wireless pairing, backlight settings, key combinations, and VIA software configuration.
	NuPhy Air75 Quick Guide & FAQ A comprehensive quick guide and frequently asked questions for the NuPhy Air75 keyboard, covering connection modes, backlight settings, knob installation, and troubleshooting.
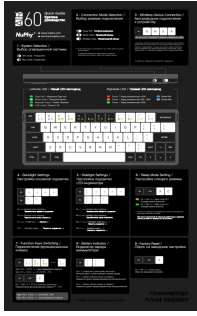
[NuPhy Air60 Quick Guide: Setup and Features](#)
A concise guide to setting up and using the NuPhy Air60 keyboard, covering system selection, connection modes, wireless device pairing, backlight and sidelight settings, sleep mode, function key switching, battery indication, and factory reset.