

IROK ND63PRO

IROK ND63PRO Rapid Trigger Magnetic Switch Keyboard User Manual

Model: ND63PRO

Brand: IROK

1. INTRODUCTION

This manual provides detailed instructions for the IROK ND63PRO Rapid Trigger Magnetic Switch Keyboard. Please read this manual thoroughly before using the product to ensure proper operation and to maximize your experience.

2. PACKAGE CONTENTS

Verify that all items are present in the package:

- IROK ND63PRO Keyboard
- USB Cable
- Keycap Puller

3. SETUP GUIDE

3.1 Connecting the Keyboard

The IROK ND63PRO keyboard connects via a USB-C cable.

1. Connect one end of the provided USB-C cable to the USB-C port on the keyboard.
2. Connect the other end of the USB cable to an available USB port on your computer (Windows or Mac).
3. The keyboard will be automatically recognized by your operating system.

3.2 Driver Installation

For full customization and advanced features, install the IROK customization driver. The keyboard supports both web driver and a one-stop HUB driver.

- Download the driver from the official IROK website: www.irok.cc
- Follow the on-screen instructions to complete the installation.

Customization Driver

Support web driver and one-stop HUB driver,
Easier parameter adjustment

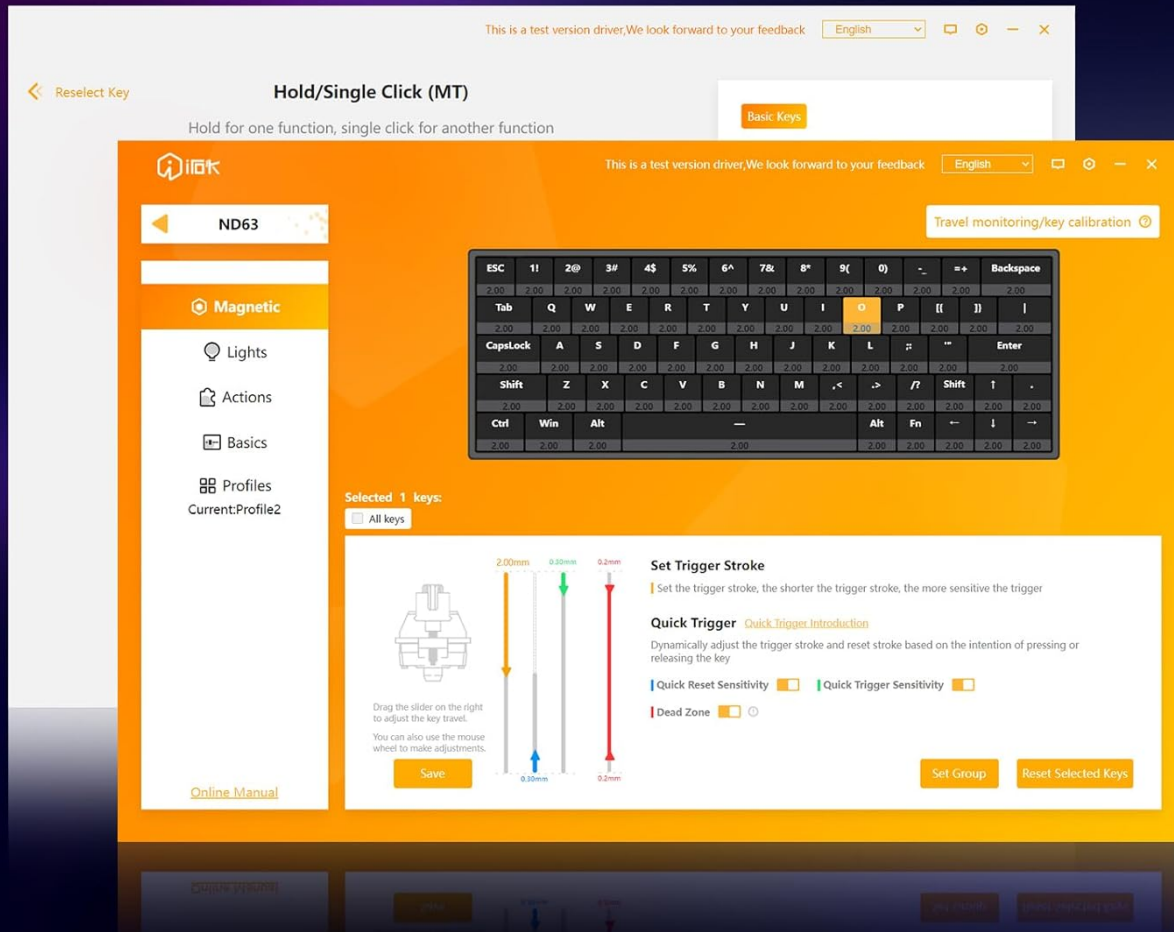


Image: The IROK customization driver interface, showing options for key remapping, lighting, and magnetic switch settings. This software allows for detailed parameter adjustments.

4. OPERATING INSTRUCTIONS

4.1 Keyboard Layout

The ND63PRO features a 60% compact layout with 63 keys, designed to save desktop space while retaining essential functionality. The keyboard utilizes an aluminum alloy positioning plate for a solid typing experience.



Image: Top-down view of the IROK ND63PRO keyboard, showcasing its 60% compact layout with 63 keys and RGB backlighting.

4.2 RGB Backlighting

The keyboard is equipped with full-color RGB lighting, offering 21 different light effects that can be switched freely. Customize lighting patterns and colors using the driver software.



Image: The IROK ND63PRO keyboard on a desk with a monitor, demonstrating its vibrant full-color RGB backlight in a gaming setup.

4.3 Magnetic Switches and Customization

The ND63PRO features OKT Azure magnetic switches, providing high trigger accuracy and a stable feel. These switches are hot-swappable, allowing for easy replacement without soldering.

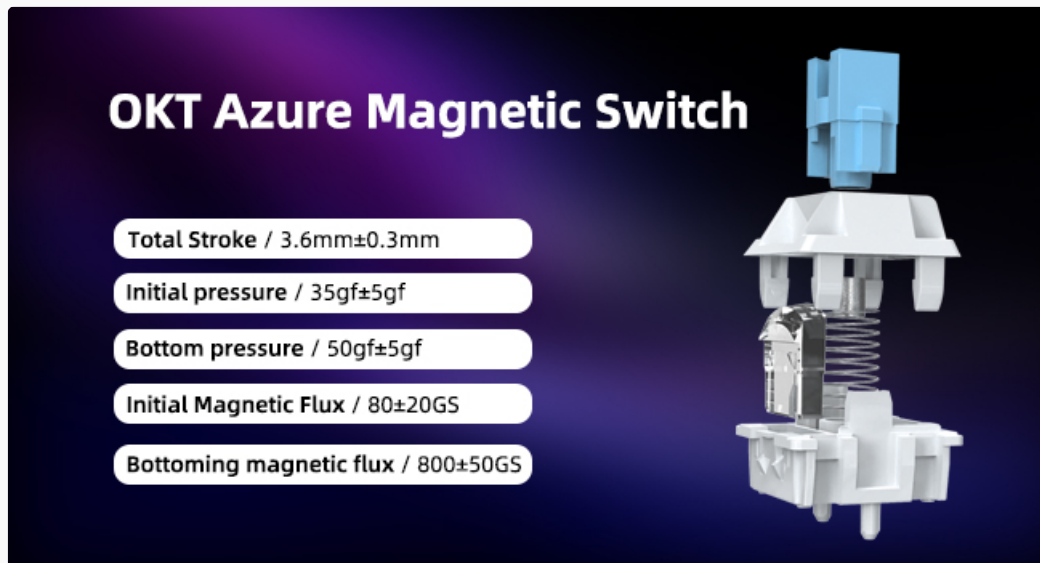


Image: Diagram detailing the specifications of the OKT Azure Magnetic Switch, including total stroke, initial pressure, bottom pressure, initial magnetic flux, and bottoming magnetic flux.

Rapid Trigger (RT) Function

The RT function allows for adjustable trigger track range between 0.02mm and 4.0mm, with an accuracy as low as 0.02mm. This enables precise customization of key actuation and reset points.

Customizable 200-segment Key Travel

RT adjustment range 0.02mm-4.0mm, accurate to 0.02mm, 200 segments adjustable

0 DEADBAND ADJUSTMENT



Image: Visual representation of the customizable 200-segment key travel feature, illustrating the precise adjustment range for key actuation.

0 Deadband Adjustment

The dead zone of the bottom lift can be adjusted from 0, allowing for different dead zones to be set according to various magnetic switches.

Solid Gasket Construction with Aluminum Positioning Plate

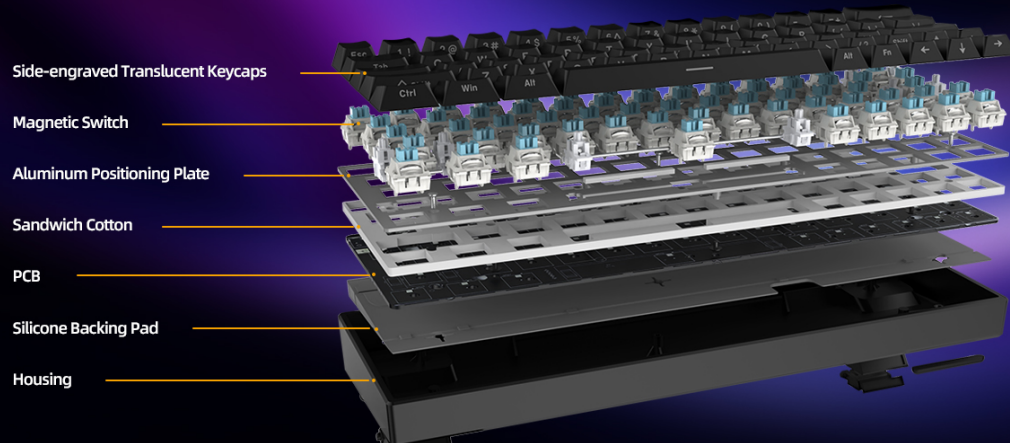


Image: Graphic highlighting the 0.02mm accuracy and 200 keystroke adjustment capability of the keyboard's magnetic switches.

KME Function

The KME function is similar to SOCD (Simultaneous Opposite Cardinal Directions) and ST (Super Tap) functions, providing advanced input processing for specific gaming scenarios.

KME function

Similar to SOCD Similar to ST

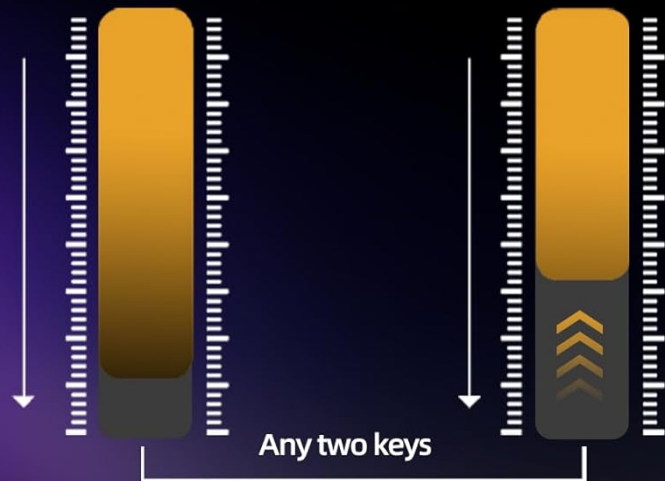


Image: Illustration of the KME function, showing how two keys can be registered with adjustable sensitivity, similar to SOCD and ST.

4.4 Performance Features

The IROK ND63PRO is designed for high-performance use, particularly in gaming.

- **Low Latency:** Utilizing Lengendspeed technology, the keyboard achieves a latency of less than 0.3ms.
- **8000Hz Return Speed:** Provides rapid response times for competitive gaming.

8x faster than regular keyboards

Gaming-grade latency
Latency can be less than 0.3ms



Image: A graphic comparing the 8000Hz return rate of the IROK ND63PRO to a standard 1000Hz keyboard, illustrating significantly lower latency.

5. MAINTENANCE

5.1 Cleaning

To clean your keyboard, disconnect it from your computer. Use a soft, dry cloth to wipe the keycaps and chassis. For deeper cleaning, a can of compressed air can remove debris from between the keys. Avoid using harsh chemicals or abrasive materials.

5.2 Keycap and Switch Replacement

The ND63PRO features hot-swappable magnetic switches, allowing for easy replacement of switches and keycaps without soldering.

1. Use the provided keycap puller to carefully remove the desired keycap.
2. Use a switch puller (not included, but compatible with magnetic switches) to gently remove the switch.
3. Align the pins of the new switch with the sockets on the PCB and press firmly until it clicks into place.

4. Place the new keycap onto the switch stem.

6. TROUBLESHOOTING

- **Keyboard Not Responding:**
Ensure the USB-C cable is securely connected to both the keyboard and the computer. Try a different USB port or cable. Restart your computer.
- **Keys Not Registering or Double-Typing:**
This can sometimes occur with highly sensitive magnetic switches if settings are too aggressive. Adjust the trigger stroke and reset stroke settings in the customization driver. Ensure the switches are properly seated.
- **RGB Lighting Not Working:**
Check the lighting settings in the customization driver. Ensure no software conflicts are present.
- **Driver Issues:**
If the customization driver is not functioning correctly, ensure you have downloaded the latest version from www.irok.cc. Try reinstalling the driver.

7. SPECIFICATIONS

Feature	Detail
Model Number	ND63PRO
Layout	60% (63 Keys)
Switch Type	OKT Azure Magnetic Switches (Hot-Swappable)
Connectivity	Wired (USB-C)
Backlighting	Full Color RGB (21 effects)
Key Travel Adjustment	0.02mm - 4.0mm (200 segments, 0.02mm accuracy)
Latency	< 0.3ms (Lengendspeed Technology)
Polling Rate	8000Hz
Construction	Gasket Construction with Aluminum Positioning Plate
Compatible Devices	PC (Windows/Mac)
Product Dimensions	11.65"L x 4.21"W x 0.79"H (29.59 cm x 10.69 cm x 2.01 cm)
Item Weight	1.21 pounds (0.55 kg)

8. WARRANTY AND SUPPORT

8.1 Warranty Information


Specific warranty details are typically provided at the point of purchase or on the manufacturer's official website. Please refer to your purchase documentation or the IROK website for the most current warranty policy.

8.2 Technical Support

For technical assistance, driver downloads, or further inquiries, please visit the official IROK website:www.irok.cc. You may also find FAQs and additional resources there.

© 2024 IROK. All rights reserved.

Related Documents - ND63PRO

	<p>FE75 PRO User Manual - iRok Keyboard</p> <p>User manual for the iRok FE75 PRO keyboard, detailing system requirements, connection modes, key functions, lighting effects, and troubleshooting.</p>
---	---