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> [IROK ND63PRO Rapid Trigger Magnetic Switch 60% TKL Mechanical Keyboard User Manual](#)

## IROK ND63PRO

# IROK ND63PRO Rapid Trigger Magnetic Switch 60% TKL Mechanical Keyboard User Manual

Model: ND63PRO

## INTRODUCTION

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This manual provides detailed instructions for the setup, operation, maintenance, and troubleshooting of your IROK ND63PRO Rapid Trigger Magnetic Switch 60% TKL Mechanical Keyboard. Please read this manual thoroughly to ensure proper use and to maximize your keyboard's performance.

## PRODUCT OVERVIEW

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### Key Features

- **63 Keys Compact Layout:** 60% layout design saves desktop space while retaining essential keys.
- **Gaming Grade Magnetic Switches:** Equipped with OKT Azure magnetic switches for high trigger accuracy and stable feel.
- **Full Customization 200-Segment Keys:** Rapid Trigger (RT) function adjustable up to 200 segments, with a trigger track range between 0.02mm-4.0mm and precision as low as 0.02mm.
- **0.3ms Low Latency:** Utilizes Legendspeed technology for ultra-low latency, ideal for gaming.
- **Customizable RGB Keyboard:** Features full-color RGB lighting with 21 different light effects.
- **Hot-Swappable Switches:** Allows for easy replacement of magnetic switches without soldering.
- **Solid Gasket Construction:** Incorporates an aluminum alloy positioning plate for a solid typing feel and crisp sound.
- **Web Driver and One-stop HUB Driver:** Supports easy parameter adjustment and management without complex installation.

### What's in the Box

- IROK ND63PRO Mechanical Keyboard
- Keycap Puller
- USB Cable
- User Manual (this document)

# Full Color RGB Backlight

Visually more vibrant and bright



Image: The IROK ND63PRO keyboard displayed on a desk, showcasing its full-color RGB backlight and compact 60% layout.

# Solid Gasket Construction with Aluminum Positioning Plate

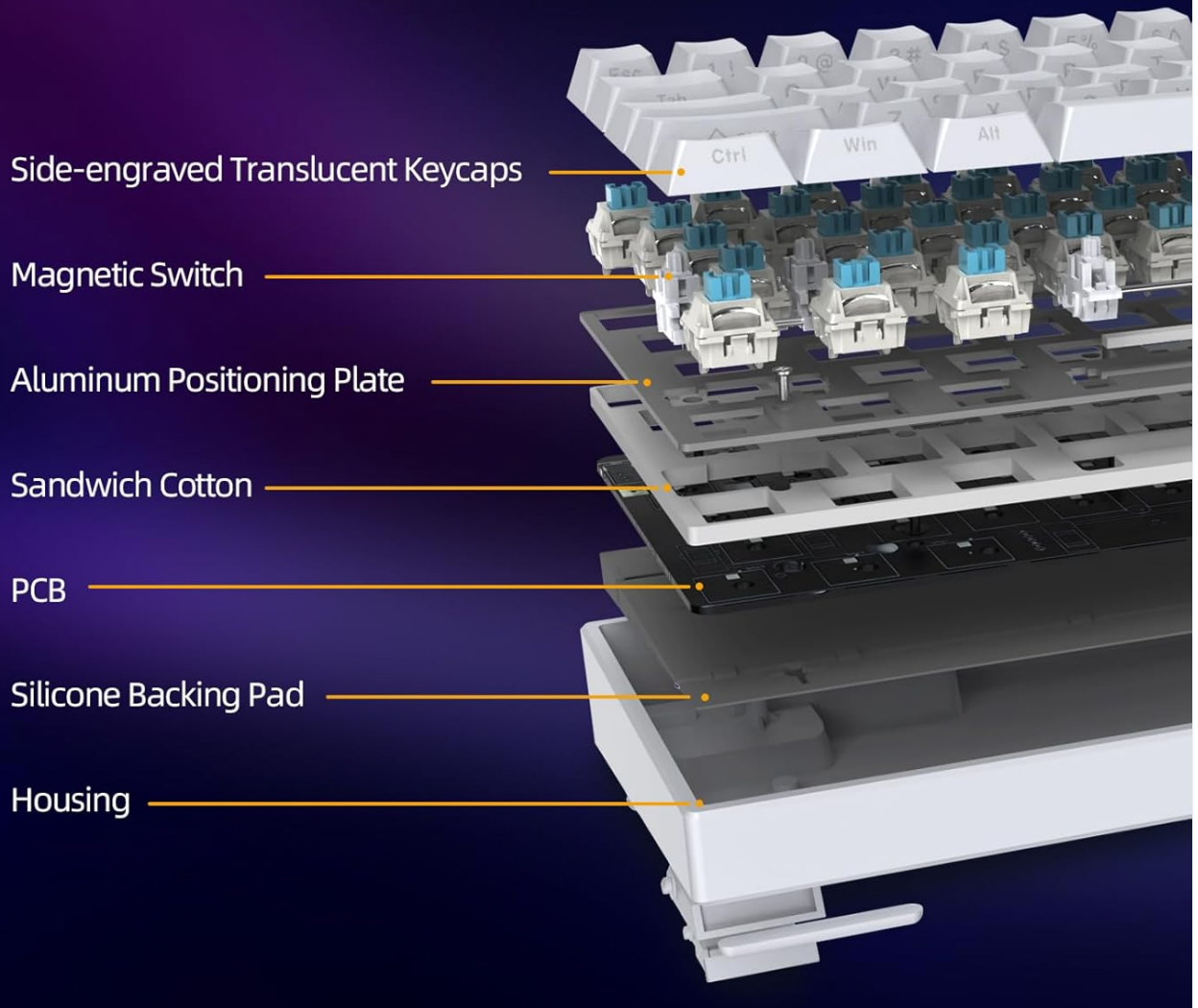


Image: An exploded diagram illustrating the internal components of the keyboard, including side-engraved translucent keycaps, magnetic switches, aluminum positioning plate, sandwich cotton, PCB, silicone backing pad, and housing, highlighting the solid gasket construction.

## SETUP INSTRUCTIONS

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1. **Unpack the Keyboard:** Carefully remove the keyboard and all accessories from the packaging.
2. **Connect the USB Cable:** Connect the provided USB-C cable to the keyboard's USB-C port and the other end to an available USB port on your computer (PC or Mac).
3. **Initial Power On:** The keyboard will automatically power on and the RGB lighting will illuminate.
4. **Driver Installation (Optional but Recommended):** For full customization and advanced features, download and install the IROK web driver or one-stop HUB driver from the official IROK website. This allows for easier parameter adjustment.
5. **Placement:** Place the keyboard on a stable, flat surface.

## OPERATING INSTRUCTIONS

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## Rapid Trigger (RT) Function and Actuation

The ND63PRO features magnetic switches with a Rapid Trigger (RT) function, allowing for highly customizable actuation and reset points.

- **Adjustable Trigger Range:** The trigger track range can be set between 0.02mm and 4.0mm.
- **Precision:** Adjustments can be made with a precision as low as 0.02mm, offering 200 segments of customization.
- **0 Deadband Adjustment:** The dead zone of the bottom lift can be adjusted from 0, and different dead zones can be set according to different magnetic switch types.

# Customizable 200-segment Key Travel

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

0 DEADBAND ADJUSTMENT



Image: A visual representation of the customizable 200-segment key travel, illustrating the RT adjustment range of 0.02mm-4.0mm and 0 deadband adjustment.



Image: A table detailing recommended settings for deadband, trigger stroke, reset stroke, and sensitivity for both standard magnetic switches and Azure magnetic switches, demonstrating the 0 deadband adjustment capability.

## KME Function

The KME function allows for advanced key mapping, similar to SOCD (Simultaneous Opposite Cardinal Directions) and ST (Super Tap) functions found in other gaming devices. This enables precise control and rapid input for competitive gaming.



Image: A graphic demonstrating the KME function, showing how the keyboard registers input from two keys simultaneously, similar to

## Low Latency and Polling Rate

The IROK ND63PRO utilizes Lengendspeed technology to achieve a latency of less than 0.3ms. Combined with an 8000Hz polling rate, this ensures extremely fast response times, crucial for gaming.



Image: A visual comparison highlighting the 8000Hz polling rate of the ND63PRO keyboard, indicating it is 8 times faster than regular keyboards with a 1000Hz polling rate, resulting in gaming-grade latency of less than 0.3ms.

## RGB Lighting Customization

The keyboard features full-color RGB backlighting with 21 different lighting effects. These effects can be switched and customized using the dedicated software.



Image: The IROK ND63PRO keyboard showcasing its full-color RGB backlight, appearing visually vibrant and bright on a desk setup.

## Hot-Swappable Switches

The ND63PRO supports hot-swappable magnetic switches. This allows users to easily replace switches without the need for soldering, enabling customization of typing feel and sound.



Image: A detailed diagram of the OKT Azure Magnetic Switch, showing its internal components and specifications such as total stroke, initial pressure, bottom pressure, initial magnetic flux, and bottoming magnetic flux.

## Customization Driver

The IROK ND63PRO supports both a web driver and a one-stop HUB driver for comprehensive customization. These drivers provide an intuitive interface for adjusting key functions, lighting effects, actuation points, and other parameters. Access the driver via the official IROK website for easy operation and management.

# Customization Driver

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

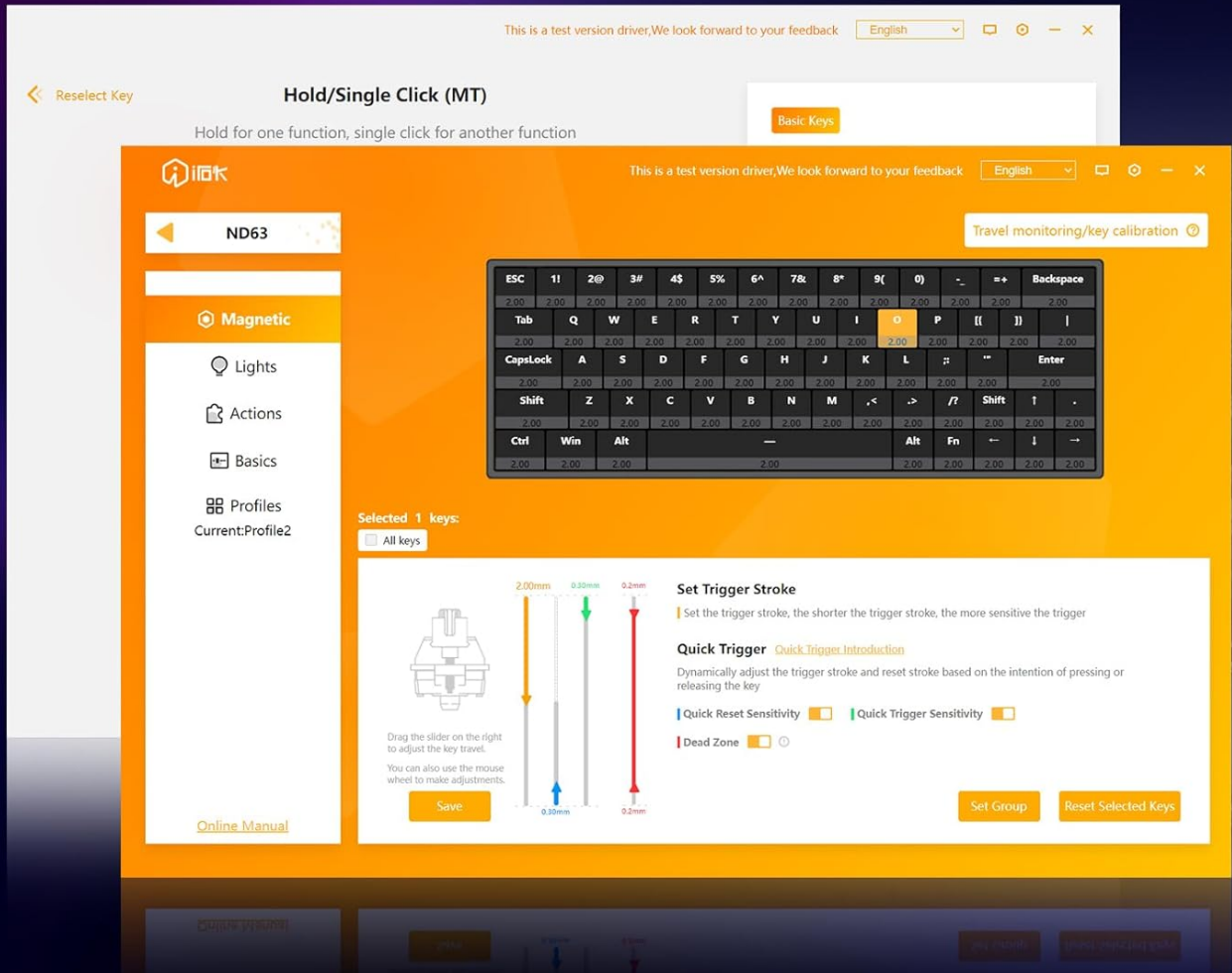


Image: A screenshot of the IROK customization driver interface, showing options for magnetic switch settings, lighting, actions, and profiles, with detailed controls for trigger stroke, quick reset sensitivity, and dead zone.

## MAINTENANCE

Regular maintenance helps prolong the life and performance of your keyboard.

- **Cleaning Keycaps:** Use the provided keycap puller to remove keycaps. Clean them with a soft cloth dampened with mild soap and water. Ensure they are completely dry before reattaching.
- **Cleaning the Keyboard Body:** Use a soft, dry, lint-free cloth to wipe down the keyboard body. For stubborn dirt, a slightly damp cloth can be used, but avoid excessive moisture.
- **Dust Removal:** Use compressed air to remove dust and debris from between the keycaps and switches.
- **Avoid Liquids:** Do not spill liquids on the keyboard. If a spill occurs, immediately disconnect the keyboard, dry it thoroughly, and allow it to air dry completely before reconnecting.

## TROUBLESHOOTING

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### Keyboard Not Responding:

- Ensure the USB cable is securely connected to both the keyboard and the computer.
- Try connecting the keyboard to a different USB port on your computer.
- Test the keyboard on another computer to determine if the issue is with the keyboard or the computer's port/drivers.
- Restart your computer.

### RGB Lighting Not Working/Incorrect:

- Check the keyboard's software/driver settings to ensure RGB lighting is enabled and configured correctly.
- Try resetting the keyboard's lighting profile to default settings.
- Ensure the keyboard firmware is up to date.

### Keys Not Registering or Double-Typing:

- Ensure the switches are properly seated in their sockets.
- If using the customization driver, check the actuation point settings for the affected keys. Adjusting the trigger stroke or deadband might resolve the issue.
- Clean around the affected switch to remove any debris.
- If a specific switch is faulty, it can be replaced due to the hot-swappable design.

### Customization Driver Issues:

- Ensure you have downloaded the correct and latest version of the driver from the official IROK website.
- Temporarily disable any antivirus or firewall software that might be interfering with the driver installation or operation.
- Run the driver software as an administrator.

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## SPECIFICATIONS

Feature	Detail
Model Number	ND63PRO
Layout	60% (63 Keys)
Switch Type	Magnetic (OKT Azure Switches)
Connectivity	Wired (USB-C)
Actuation Range	0.02mm - 4.0mm (200 segments adjustable)
Latency	Less than 0.3ms
Polling Rate	8000Hz
Backlighting	Full Color RGB (21 effects)
Hot-Swappable	Yes
Construction	Gasket Mount with Aluminum Positioning Plate
Product Dimensions	11.65"L x 4.21"W x 0.78"H (29.59 x 10.69 x 1.98 cm)

Feature	Detail
Item Weight	1.21 pounds (0.55 kg)
Compatible Devices	PC

## WARRANTY AND SUPPORT

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For warranty information, please refer to the documentation included with your purchase or visit the official IROK website. If you encounter any issues or require technical assistance, please contact IROK customer support through their official channels.

**Return Policy:** The product typically comes with a 30-day return policy for refunds or replacements. Please check your purchase details for specific terms.

