IROK FE87 V2

IROK FE87 V2 Wired Mechanical Keyboard User Manual

Model: FE87 V2

Introduction

The IROK FE87 V2 is a high-performance wired mechanical keyboard designed for gaming and professional use. It features an 8KHz polling rate for rapid response, hot-swappable switches for customization, and vibrant ARGB backlighting. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your keyboard.



Image: The IROK FE87 V2 keyboard, highlighting its key features.

Package Contents

Please ensure all the following items are included in your package:

- IROK FE87 V2 Mechanical Keyboard
- USB Cable (for connectivity)

- Keycap Puller (for switch and keycap removal)
- User Manual (this document)

Setup

Connecting the Keyboard

1. Locate the USB-C port on the IROK FE87 V2 keyboard.
2. Connect one end of the provided USB cable to the keyboard's USB-C port.
3. Connect the other end of the USB cable to an available USB port on your computer (PC or Laptop).
4. The keyboard will automatically be recognized by your operating system.



Image: USB-C cable connected to the IROK FE87 V2 keyboard.

Driver Installation

The IROK FE87 V2 supports a proprietary driver for advanced customization and management. This includes a Web Driver and a One-stop HUB Drive for simplified operation and convenient management, reducing cumbersome installation steps.

- Visit the official IROK website to download the latest driver software for the FE87 V2 model.
- Follow the on-screen instructions to install the driver.
- The driver allows for customization of ARGB lighting, key assignments, and other advanced settings.

Image: The IROK Web Driver interface for keyboard customization.

Key Features and Operation

Adaptive Power Management Technology

The IROK FE87 V2 incorporates Adaptive Power Management, which intelligently adjusts the keyboard's power consumption in real-time based on usage. This technology optimizes battery life during idle periods without compromising responsiveness during active use, balancing endurance and peak performance.



Image: Visual representation of Adaptive Power Management Technology.

Fully Hot-Swappable Switches

The FE87 V2 features a fully hot-swappable design, allowing you to effortlessly customize, upgrade, or repair any mechanical switch without soldering. This provides personalized typing feel, future-proof flexibility, and simplified maintenance.



Image: Detail of hot-swappable switches on the keyboard.

SOCD Support

The keyboard supports SOCD (Simultaneous Opposite Cardinal Directions) cleaning. This feature intelligently resolves conflicts when opposite direction keys (e.g., Left + Right) are pressed simultaneously, preventing unintended behavior and ensuring precise control, especially in competitive gaming scenarios.



Image: Illustration of SOCD support for precise input.

Gasket Structure Design

The IROK FE87 V2 features a gasket mount design, which isolates the PCB and plate within the case using soft silicone or foam gaskets. This design absorbs typing vibrations and reduces harsh noise, resulting in a softer, more flexible typing feel and a deeper, more consistent sound profile.



Image: Diagram detailing the components of the gasket structure.

ARGB Backlighting

Equipped with an independent IC 500Hz High Refresh Rate ARGB lamp, the FE87 V2 mechanical keyboard offers rich, customizable colors for a personalized typing environment. This provides enhanced backlit effects and improved eye protection.



Image: The keyboard showcasing its ARGB backlighting.

8KHz Polling Rate

The IROK FE87 V2 boasts an 8KHz polling rate, ensuring seamless and lag-free gameplay and typing. This high polling rate means the keyboard reports inputs to your computer 8000 times per second, providing ultra-low latency (as low as 0.125ms) for competitive performance.

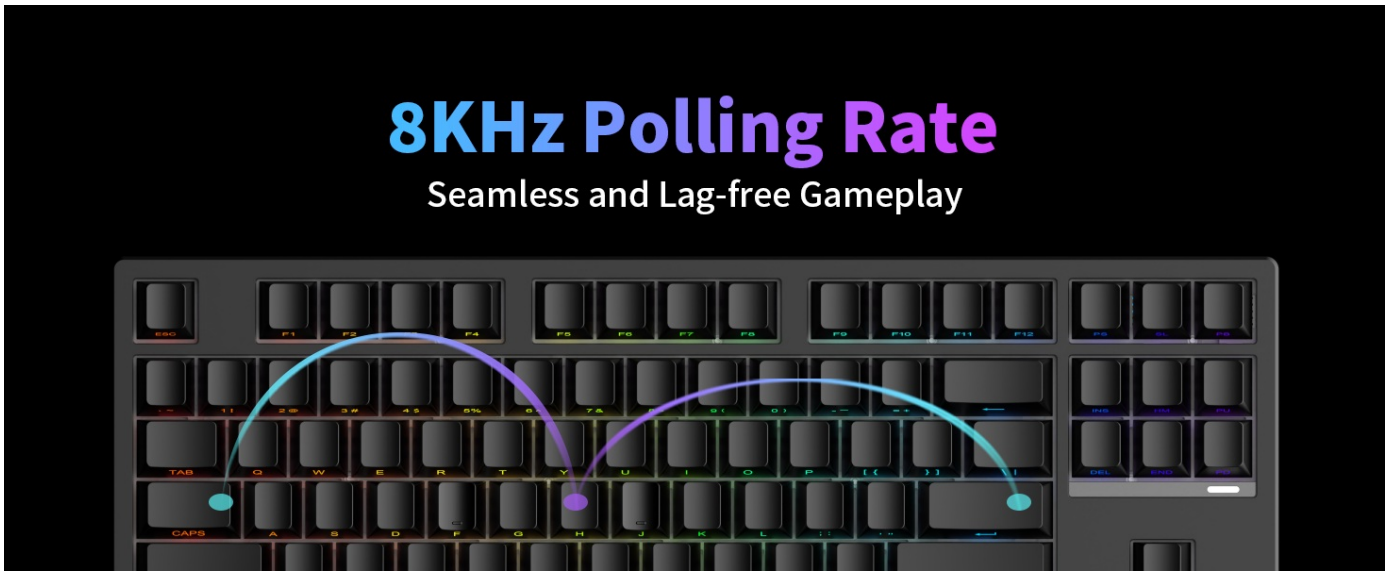

Image: Graphic illustrating the 8KHz polling rate feature.

Product Video

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Video: An overview of the IROK FE87 V2 Keyboard's features and design.

Maintenance

Cleaning the Keyboard

- Disconnect the keyboard from your computer before cleaning.
- Use a soft, lint-free cloth slightly dampened with water or a mild cleaning solution to wipe the keycaps and chassis.
- For deeper cleaning, use the provided keycap puller to remove keycaps and clean underneath with compressed air or a small brush.
- Ensure the keyboard is completely dry before reconnecting it.

Switch Replacement

Thanks to the hot-swappable design, individual switches can be replaced without soldering:

1. Gently remove the keycap from the desired switch using the keycap puller.
2. Use a switch puller (not included, but often comes with replacement switches) to carefully extract the switch from the PCB.
3. Align the pins of the new switch with the holes on the PCB.
4. Press the new switch firmly into place until it clicks. Ensure the pins are not bent.
5. Reattach the keycap.

Troubleshooting

- **Keyboard Not Responding:**
  Ensure the USB cable is securely connected to both the keyboard and the computer. Try a different USB port or cable. Restart your computer.
- **Backlighting Not Working or Incorrect:**
  Check the keyboard's lighting controls (usually via Fn key combinations or the proprietary driver software). Ensure

the driver is installed and updated.

- **Keys Not Registering:**
  If specific keys are not working, try removing the keycap and switch (if hot-swappable) and reseating them. Clean any debris around the switch. If the issue persists, the switch may need replacement.
- **Driver Software Issues:**
  If the driver software is not functioning correctly, try reinstalling it from the official IROK website. Ensure your operating system is up to date.

Specifications

Brand	IROK
Model Number	FE87 V2
Connectivity Technology	USB-C
Keyboard Description	Mechanical
Special Features	Backlit, Ergonomic, Hot-Swappable
Keyboard Backlighting	RGB
Product Dimensions (L x W x H)	14.29" x 5.35" x 1.81"
Item Weight	0.78 Kilograms
Material	Plastic
Compatible Devices	Laptop, PC

Warranty and Support

Warranty Information

The IROK FE87 V2 Mechanical Keyboard comes with a one-year warranty from the date of purchase. This warranty covers manufacturing defects under normal use. Please retain your proof of purchase for warranty claims.

Customer Support

For technical assistance, warranty claims, or further inquiries, please refer to the official IROK website or contact their customer support directly. You can also visit the IROK Store on Amazon for additional product information and support resources.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question