

EPOMAKER HE68

EPOMAKER HE68 Hall Effect Keyboard User Manual

Model: HE68 | Brand: EPOMAKER

1. INTRODUCTION

The EPOMAKER HE68 is a high-performance magnetic gaming keyboard designed for precision and comfort. Featuring an 8000Hz polling rate, 0.01mm adjustable trigger, and 0.125ms latency, it offers an unparalleled gaming experience. The keyboard incorporates a creamy gasket-mount design for superior acoustics and typing feel, complemented by durable PBT keycaps and customizable RGB lighting.

Package Contents

- EPOMAKER HE68 Hall Effect Keyboard
- Keycap Puller
- USB Cable (USB-A to USB-C)
- Spare Magnetic Switches (Quantity: 2)
- User Manual (this document)

PACKAGE CONTENT



Figure 1: EPOMAKER HE68 Package Contents including keyboard, cable, puller, and spare switches.

2. SETUP GUIDE

2.1 Connecting the Keyboard

1. Locate the USB-C port on the top-left side of the keyboard.
2. Connect the provided USB-A to USB-C cable to the keyboard's USB-C port.
3. Plug the USB-A end of the cable into an available USB port on your computer (Mac or PC).
4. Use the Mac/Win toggle switch located next to the USB-C port to select your operating system.



Figure 2: Mac/Win toggle switch and USB-C port for wired connection.

2.2 Initial Configuration

The keyboard is plug-and-play. For advanced customization, including key remapping, macro setup, and RGB lighting effects, download the official EPOMAKER software from the brand's website. The software allows for detailed configuration of the Hall Effect switches.

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Video 1: EPOMAKER HE68 Driver Operation Video. This video demonstrates how to use the official software for advanced keyboard settings.

3. OPERATING INSTRUCTIONS

3.1 Key Features and Functions

- **Hall Effect Switches:** The HE68 utilizes magnetic switches (Epomaker Magnetic Pink Switch) for ultra-low latency (0.125ms) and an 8000Hz polling rate. These switches offer a smooth, consistent keystroke without physical contact points, ensuring durability and rapid response.

CREAMY SMOOTH KEYSTROKE

Factory-Lubed Magnetic Switch

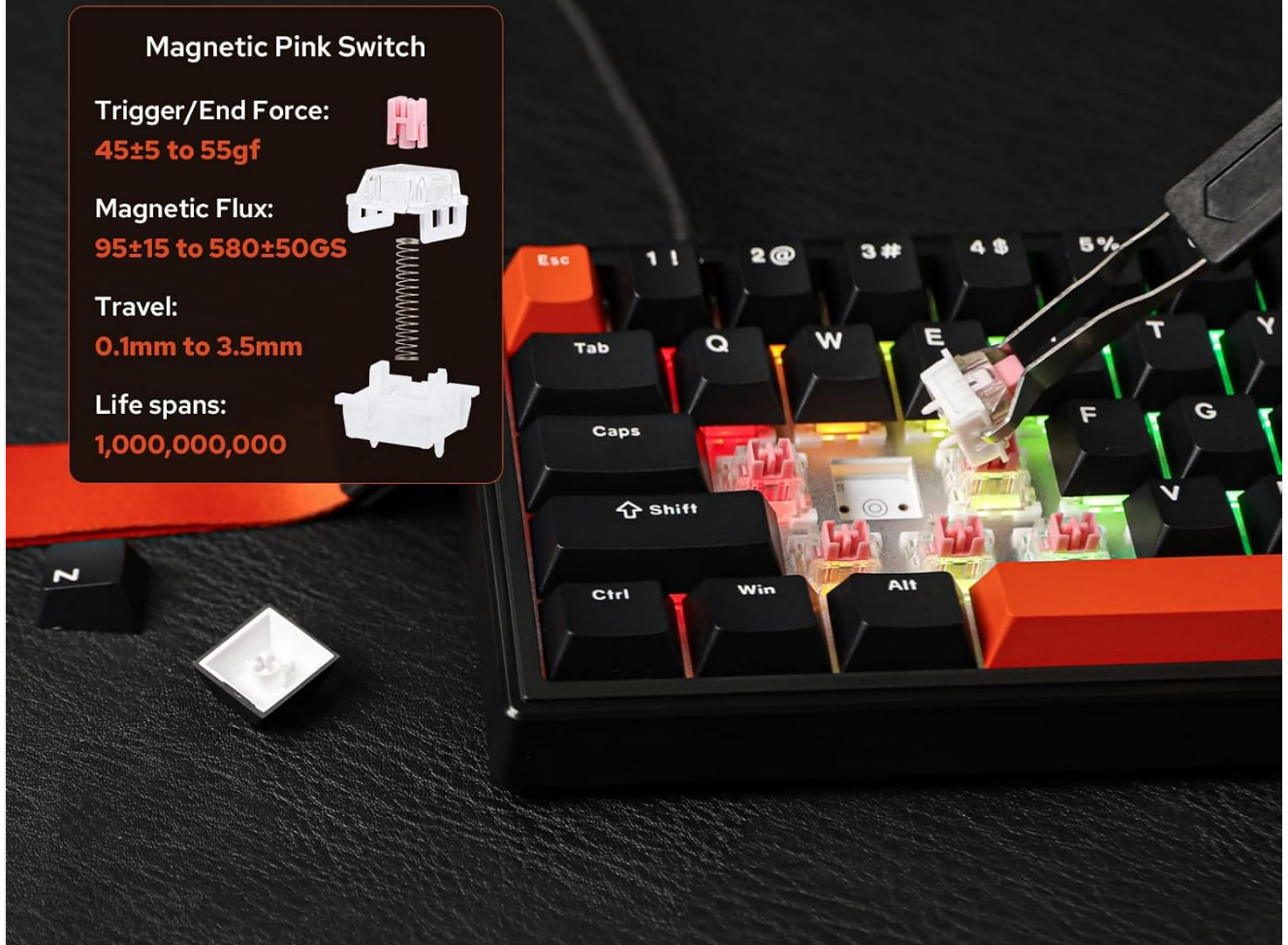


Figure 3: Detail of the Epomaker Magnetic Pink Switch, highlighting its linear travel and magnetic operation.

- **Adjustable Trigger:** Customize the actuation point of each key from 0.1mm to 3.5mm using the software. This allows for fine-tuning sensitivity for different gaming scenarios or typing preferences.

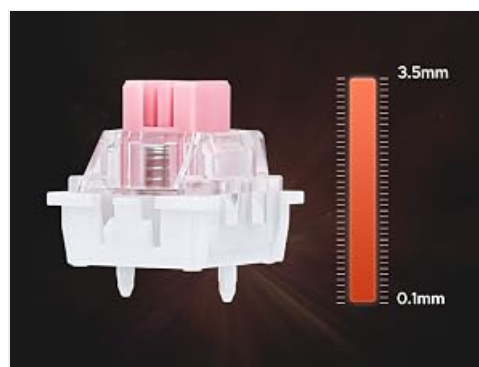


Figure 4: Software interface showing adjustable trigger range for Hall Effect switches.

- **Snap Key (SOCD):** This feature prioritizes your latest key press for opposite directions, preventing character freezing in games. It ensures precise movement execution.

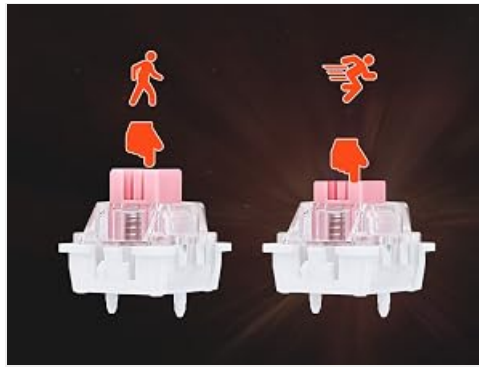


Figure 5: Illustration of Snap Key (SOCD) functionality for precise input.

- **Dynamic Keystroke (DKS) & Mod Tap (MT):** Program up to four different functions on a single key based on press depth (DKS) or combine press and hold functions (MT) for enhanced versatility.



Figure 6: Dynamic Keystroke (DKS) allows multiple actions based on key press depth.

- **RGB Backlighting:** The keyboard features south-facing RGB LEDs with 67 thick PBT keycaps. Customize dynamic and static backlight effects, colors, brightness, and speed via the software or direct key combinations.



Figure 7: Customizable RGB backlighting with south-facing LEDs.

- **FN + Backspace:** Toggle RGB backlight ON/OFF
- **FN + \:** Cycle through RGB effects
- **FN + DEL:** Change RGB color (for static modes)
- **FN + ↑/↓:** Adjust brightness
- **FN + ←/→:** Adjust effect speed

Your browser does not support the video tag.

Video 2: RGB Effect Video EPOMAKER HE68. Demonstrates various RGB lighting patterns and colors.

4. MAINTENANCE

4.1 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 down the keycaps and case.
- For deeper cleaning, use the provided keycap puller to remove keycaps and clean dust and debris from the switches and

plate.

- Avoid using harsh chemicals or abrasive materials that could damage the keyboard's finish or keycap legends.

4.2 Switch Replacement

The HE68 features hot-swappable magnetic switches. If a switch malfunctions or you wish to change the typing feel, you can easily replace individual switches:

1. Use the switch puller tool to gently grip the switch and pull it straight up.
2. Align the pins of the new magnetic switch with the holes on the PCB.
3. Press the new switch firmly into place until it clicks.



Figure 8: Hot-swappable PCB allows for easy switch replacement.

5. TROUBLESHOOTING

• Keyboard not responding:

- Ensure the USB cable is securely connected to both the keyboard and the computer.
- Try connecting to a different USB port on your computer.
- Verify the Mac/Win toggle switch is set to the correct operating system.
- Restart your computer.

• RGB lighting not working or dim:

- Press FN + Backspace to ensure the RGB backlight is turned ON.
- Adjust brightness using FN + ↑.
- Ensure the keyboard is receiving sufficient power from the USB port.
- Check software settings for lighting modes and brightness.

• Keys not registering or double-typing:

- Ensure the switches are fully seated in the PCB. Gently press down on the affected keycap.
- If the issue persists, try replacing the problematic switch with a spare one.
- Calibrate the actuation point for the affected keys in the EPOMAKER software.

• Software not detecting keyboard:

- Ensure the keyboard is connected via USB.

- Restart the EPOMAKER software.
- Try reinstalling the EPOMAKER software.

6. SPECIFICATIONS

Feature	Specification
Brand	EPOMAKER
Model	HE68
Product Dimensions	12.9 x 4.44 x 1.57 inches (32.7 x 11.3 x 4 cm)
Item Weight	2.16 pounds (0.98 kg)
Number of Keys	67
Switch Type	Magnetic (Hall Effect)
Polling Rate	8000Hz
Latency	0.125ms
Adjustable Trigger	0.1mm - 3.5mm
Keycap Material	Double-shot PBT
Backlighting	South-facing RGB
Connectivity	Wired (USB-A to USB-C)
Compatible Devices	Laptop, PS, PC, Switch, Mac

7. WARRANTY AND SUPPORT

For detailed warranty information and customer support, please refer to the official EPOMAKER website or the user manual PDF provided with your product.

You can download the full User Manual (PDF) [here](#).

For further assistance, please visit the [EPOMAKER Store on Amazon](#).

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