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› EPOMAKER HE68 Hall Effect Keyboard, 8000hz Polling, 0.01mm Adjustable Trigger, 0.125ms Latency, Creamy Gasket, Snap Key, SOCD, RGB, Wired Magnetic Gaming Keyboard for Mac/PC (White)

EPOMAKER HE68

EPOMAKER HE68 Hall Effect Keyboard User Manual

MODEL: HE68

1. Introduction

The EPOMAKER HE68 is a high-performance wired magnetic gaming keyboard designed for both Mac and PC users. It features Hall Effect switches, an 8000Hz polling rate, and an ultra-low latency of 0.125ms for rapid precision and unstoppable performance. The keyboard incorporates a cushioned Gasket-Mount design for exceptional comfort and acoustics, along with durable double-shot PBT keycaps and customizable RGB backlighting. This manual provides detailed instructions for setting up, operating, maintaining, and troubleshooting your HE68 keyboard.



Figure 1: EPOMAKER HE68 Keyboard highlighting key features like Gasket-Mount, PBT Keycaps, Anti-Ghosting, Hot-Swappable switches, Hall Effect, 68% Compact Layout, 0.125ms Latency, Adjustable Trigger, and 8000Hz Polling Rate.

2. Setup

2.1 Package Contents

Before you begin, please ensure all items are present in your package:

- EPOMAKER HE68 Hall Effect Keyboard
- Keycap Puller
- USB Cable (USB-A to USB-C)
- Spare Switches (4 pieces)
- User Manual (Quick Start Guide)

PACKAGE CONTENT



Figure 2: All items included in the EPOMAKER HE68 keyboard package, including the keyboard, USB cable, keycap puller, and spare switches.

2.2 Connecting Your Keyboard

The HE68 keyboard connects via a wired USB-C connection. Locate the USB-C port on the keyboard and connect it to your computer using the provided USB-A to USB-C cable. The keyboard is compatible with Windows, Mac, and Android operating systems. An intuitive Mac/Win switch is located beside the USB-C port for easy toggling between operating modes.



Figure 3: Detail of the Mac/Win switch and USB-C port for connecting the keyboard to your device.

2.3 Software Installation

For full customization and advanced features, download and install the official EPOMAKER software. This software allows you to adjust key settings, macros, lighting effects, and trigger ranges. You can find the latest version of the software on the EPOMAKER website or refer to the provided User Manual PDF for download instructions.

Video 1: EPOMAKER HE68 Driver Operation Video. This video demonstrates how to download and use the EPOMAKER software for keyboard customization.

3. Operating Your Keyboard

3.1 Key Features and Customization

The HE68 keyboard offers advanced features for an optimized gaming and typing experience:

- **Hall Effect Switches:** Magnetic switches provide ultra-low latency (0.125ms) and an 8000Hz polling rate for instant response.
- **Adjustable Trigger:** Customize the actuation point of each key from 0.1mm to 3.5mm to suit your preference for speed or precision.
- **Snap Key (SOCD):** Prioritizes the latest key press of opposite directions, preventing character freezing in games.
- **Dynamic Keystroke (DKS):** Assign up to 4 different actions to a single key based on press depth.
- **Toggle Key (TGL):** Switch between continuous triggering or on/off behavior for specific keys.



Figure 4: Snap Key (SOCD) functionality ensures precise input by prioritizing the latest key press in conflicting directions.



Figure 5: Adjustable Trigger allows users to set precise actuation points for individual keys.

3.2 RGB Backlight Control

The HE68 features south-facing RGB LEDs with dynamic and static backlight effects. You can control the lighting directly from the keyboard using the Function (Fn) key combinations:

- **Fn + Backspace:** Toggle Backlight ON/OFF
- **Fn + Del:** Change RGB Color
- **Fn + \|:** Cycle through Backlight Effects
- **Fn + Up/Down Arrow:** Adjust Brightness/Speed



Figure 6: Customizable RGB Backlight with pre-key adjustable LEDs and function key combinations for control.

Video 2: Epomaker HE68 RGB Light Effect & Setting. This video demonstrates various RGB lighting effects and how to adjust them.

Video 3: RGB Effect Video EPOMAKER HE68. A short demonstration of the vibrant RGB lighting on the HE68 keyboard.

3.3 Customization with Software

The EPOMAKER software provides a comprehensive interface for customizing your HE68 keyboard. You can remap keys, create complex macros, fine-tune trigger travel, and design custom lighting profiles. The software ensures seamless workflow across different platforms by boosting onboard memory for your settings.



Figure 7: The EPOMAKER software allows for detailed calibration and customization of key functions and settings.

4. Maintenance

4.1 Cleaning

To maintain your keyboard's appearance and functionality, regularly clean it. Use a soft, lint-free cloth to wipe down the keycaps and chassis. For deeper cleaning, you can use a can of compressed air to remove dust and debris from between the keycaps. Avoid using harsh chemicals or abrasive materials.

4.2 Switch and Keycap Care

The HE68 features hot-swappable magnetic switches, allowing for easy replacement without soldering. Use the provided keycap puller to carefully remove keycaps and the switch puller to remove switches if needed. The PBT keycaps are durable and resistant to grease, ensuring long-lasting vividness.



Figure 8: The HE68 features a hot-swappable PCB, allowing for easy replacement of magnetic switches.

5. 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. Verify the Mac/Win switch is in the correct position for your operating system.
- **Lighting Issues:** Check Fn key combinations for brightness and effects. Ensure the software is running and settings are applied correctly.
- **Software Not Detecting Keyboard:** Reinstall the EPOMAKER software. Ensure the keyboard is connected directly to the computer and not through a USB hub.
- **Keys Not Registering Correctly:** Recalibrate the trigger travel settings in the EPOMAKER software. Ensure

switches are properly seated.

6. Specifications

Feature	Specification
Product Dimensions	12.9 x 4.44 x 1.57 inches
Item Weight	2.16 pounds
Manufacturer	EPOMAKER
Item Model Number	HE68
Connectivity Technology	Cable Wired (USB A to USB C)
Keyboard Description	Magnetic
Number of Keys	67
Keyboard Backlighting	RGB
Special Features	Magnetic, Gasket-Mount, Backlit, Ultra-low Latency, Hot-Swappable
Compatible Devices	Laptop, PS, PC, Switch, Mac

7. Warranty & Support

EPOMAKER products are covered by a limited warranty. Please refer to the official EPOMAKER website or the included Quick Start Guide for detailed warranty terms and conditions. For further assistance, technical support, or to download the full user manual, please visit the official EPOMAKER website or contact their customer service. You can also find the User Manual (PDF) [here](#). Visit the EPOMAKER Store: [EPOMAKER Store](#)

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