EPOMAKER G84

EPOMAKER G84 80% RGB Gaming Mechanical Keyboard User Manual

Model: G84

INTRODUCTION

This manual provides detailed instructions for the EPOMAKER G84 80% RGB Gaming Mechanical Keyboard. It covers setup, operation, maintenance, and troubleshooting to ensure optimal performance and user experience. The G84 features tri-mode wireless connectivity (2.4GHz, Bluetooth, Type-C wired), QMK/VIA programmability, hot-swappable switches, and customizable RGB backlighting.

Image: Overview of the EPOMAKER G84 mechanical keyboard highlighting its key features such as QMK/VIA customization, RGB backlighting, transparent PBT keycaps, gasket-mount design, hot-swappable switches, long-lasting battery, and tri-mode connectivity.

PACKAGE CONTENTS

Verify that all items are present in the package:

- EPOMAKER G84 Mechanical Keyboard
- 2-in-1 Keycap-and-Switch Puller
- USB Cable (Type-C to Type-A)
- 2.4GHz Wireless Receiver
- User Manual (this document)

SPECIFICATIONS

Feature	Detail
Model	G84
Layout	80% (84 Keys)
Connectivity	2.4GHz Wireless, Bluetooth, USB Type-C Wired
Switches	Hot-Swappable Mechanical (e.g., Creamy Jade Switch)
Keycaps	Double-Shot PBT, Shine-Through
Backlighting	RGB
Programmability	QMK/VIA Support
Anti-Ghosting	NKRO (N-Key Rollover)
Battery	4000mAh Lithium Ion (included)
Dimensions (L x W x H)	13.54 x 5.75 x 1.57 inches (34.7 x 14.6 x 3.3 cm)
Weight	2.86 pounds (0.92 kg)
Material	Plastic

Image: Physical dimensions and compact 80% layout of the G84 keyboard.

SETUP

1. Charging the Keyboard

Before first use, fully charge the keyboard. Connect the provided USB Type-C cable to the keyboard's Type-C port and the other end to a USB power source (e.g., computer USB port, wall adapter). The charging indicator will show the charging status.

Image: Battery capacity and estimated usage times for the G84 keyboard.

2. Connectivity Modes

The EPOMAKER G84 supports three connection modes: 2.4GHz wireless, Bluetooth, and USB Type-C wired. A mode switch is located on the keyboard to select your preferred connection type.
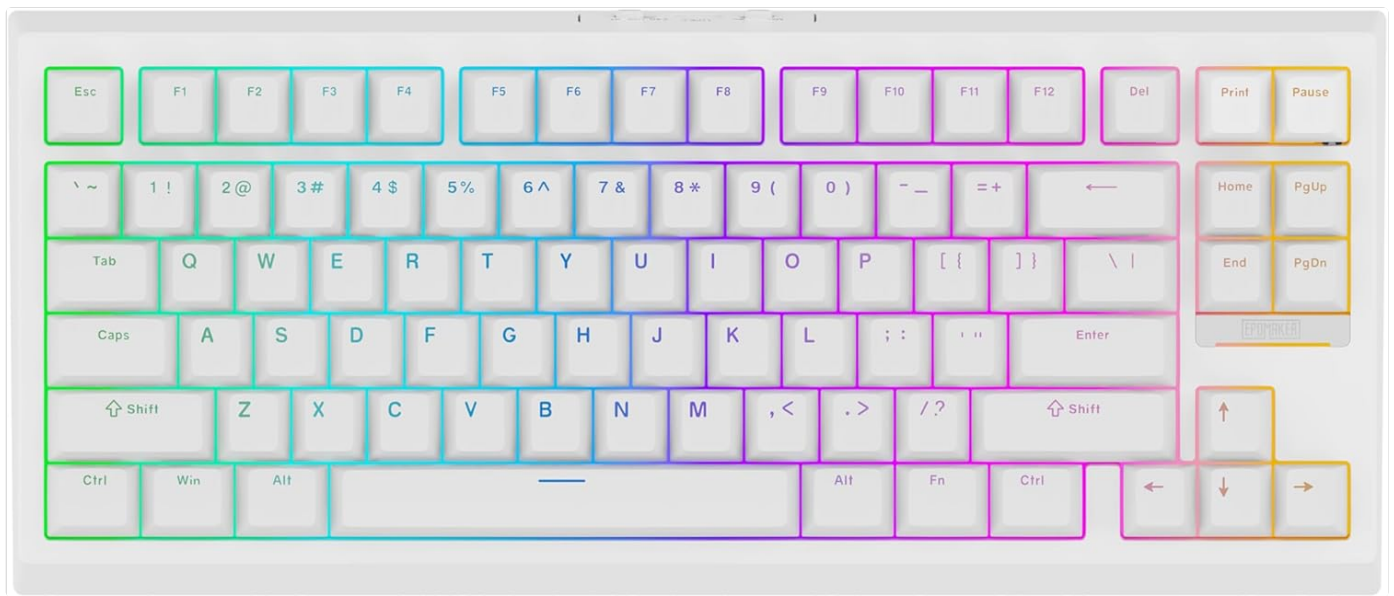
Image: The EPOMAKER G84 keyboard in its standard layout.

2.1. 2.4GHz Wireless Connection

1. Locate the 2.4GHz wireless receiver, typically stored in a compartment under the keyboard's kickstand.
2. Plug the receiver into an available USB port on your computer.
3. Switch the keyboard's mode selector to 2.4GHz wireless mode. The keyboard should automatically connect.

2.2. Bluetooth Connection

1. Switch the keyboard's mode selector to Bluetooth mode.
2. On your device (PC, tablet, smartphone), enable Bluetooth and search for new devices.
3. Select "EPOMAKER G84" from the list of available devices to pair.
4. Follow any on-screen prompts to complete the pairing process.

2.3. USB Type-C Wired Connection

1. Connect the provided USB Type-C cable to the keyboard's Type-C port.
2. Connect the other end of the cable to an available USB port on your computer.
3. Switch the keyboard's mode selector to wired mode. The keyboard will be recognized as a standard USB keyboard.

OPERATING INSTRUCTIONS

1. Basic Key Functions

The G84 features an 80% layout with 84 keys. Standard alphanumeric and function keys operate as expected. Refer to the keycap legends for primary functions.

2. RGB Backlight Customization

The keyboard features dynamic RGB backlighting. Use the following key combinations with the**Fn** key to adjust lighting effects:

- **Fn +** \: Toggle Color
- **Fn + End**: Adjust Logo Light
- **Fn + PgUp**/**PgDn**: Adjust Saturation
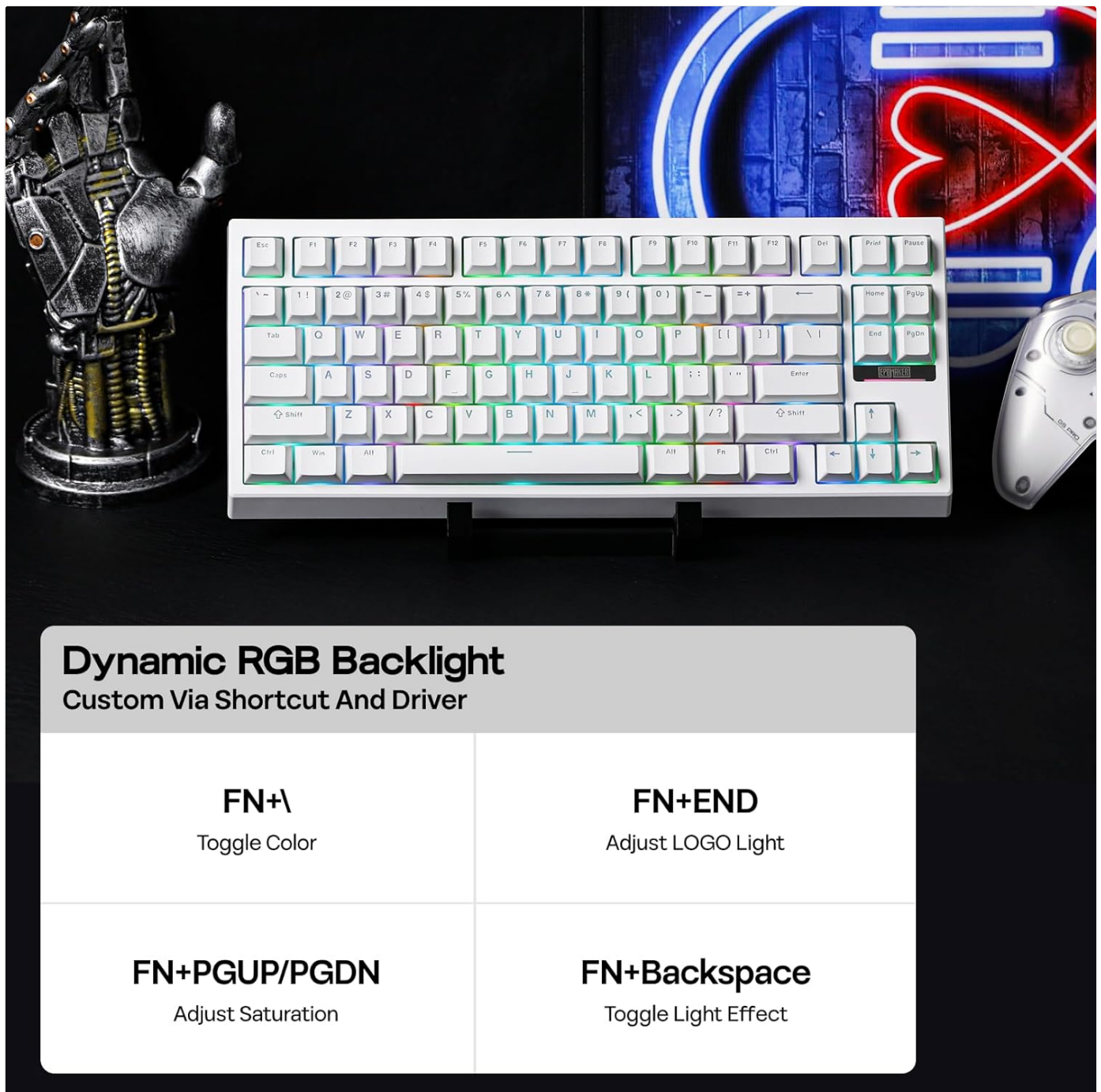- **Fn + Backspace**: Toggle Light Effect

Image: RGB backlight customization shortcuts for the G84 keyboard.

3. QMK/VIA Programmability

The EPOMAKER G84 supports QMK/VIA firmware for advanced key remapping, macro creation, and lighting control. To utilize these features:

1. Download the VIA software or access the VIA web driver from the official EPOMAKER website or caniusevia.com.
2. Connect the keyboard to your computer via USB Type-C cable.
3. Launch the VIA software/web driver. The keyboard should be automatically detected.
4. You can now customize key assignments, create macros, and fine-tune RGB lighting effects.

Image: VIA software interface for customizing the G84 keyboard.

4. Hot-Swappable Switches

The G84 features hot-swappable sockets, allowing you to change mechanical switches without soldering. This enables customization of typing feel and sound.

1. Using the provided 2-in-1 keycap-and-switch puller, carefully remove the keycap from the desired switch.
2. Use the switch puller to gently grip the top and bottom clips of the switch and pull it straight up to remove it from the PCB.
3. Align the pins of the new switch with the holes on the PCB and press it firmly until it clicks into place. Ensure the pins are not bent.
4. Reattach the keycap.

Image: Specifications of the EPOMAKER Creamy Jade Switch, a type of pre-lubed mechanical linear switch.

MAINTENANCE

1. Cleaning the Keyboard

- Disconnect the keyboard from your device before cleaning.
- Use a keycap puller to remove keycaps for thorough cleaning.
- Use a soft brush or compressed air to remove dust and debris from between the keys and switches.
- Wipe keycaps with a damp cloth and mild soap solution if necessary, then dry thoroughly before reattaching.
- Do not immerse the keyboard in water or use harsh chemicals.

2. Battery Care

- Avoid exposing the keyboard to extreme temperatures.
- Charge the battery regularly to maintain its lifespan, even if not used frequently.

- If storing the keyboard for an extended period, charge it to approximately 50% before storage.

TROUBLESHOOTING

1. Keyboard Not Responding

- **Wired Mode:** Ensure the USB cable is securely connected to both the keyboard and the computer. Try a different USB port or cable.
- **2.4GHz Wireless Mode:** Ensure the 2.4GHz receiver is plugged in and the keyboard is switched to 2.4GHz mode. Try re-pairing by unplugging and re-plugging the receiver.
- **Bluetooth Mode:** Ensure Bluetooth is enabled on your device and the keyboard is in Bluetooth pairing mode. Re-pair the device if necessary.
- **Battery:** Check the keyboard's battery level. Connect the keyboard to a power source to charge it.

2. Keys Not Working or Double-Typing

- Remove the keycap and switch for the affected key. Inspect the switch pins for any bends or damage. Straighten bent pins carefully or replace the switch if damaged.
- Ensure the switch is fully seated in the hot-swap socket.
- Clean any debris or dust from around the switch socket.

3. RGB Backlight Issues

- Check the battery level; low battery can affect lighting performance.
- Use the Fn key combinations (e.g., **Fn + Backspace**) to cycle through lighting effects and ensure it's not turned off.
- If using VIA, ensure the lighting settings are correctly configured.

WARRANTY AND SUPPORT

EPOMAKER products typically come with a standard manufacturer's warranty. For specific warranty details, please refer to the warranty card included with your product or visit the official EPOMAKER website. For technical support, product inquiries, or warranty claims, please contact EPOMAKER customer service through their official channels.
Additional resources, including updated drivers and firmware, may be available on the EPOMAKER official website.