EPOMAKER Split70

EPOMAKER Split70 Wireless Ergonomic Keyboard Instruction Manual

1. INTRODUCTION

The EPOMAKER Split70 is a 70% layout wireless ergonomic mechanical keyboard designed for comfort and customization. It features a unique split design, a programmable rotary knob, and tri-mode connectivity (Bluetooth 5.0, 2.4GHz wireless, and USB-C wired). This keyboard supports QMK/VIA for extensive key remapping and macro creation, and includes hot-swappable switches for personalized typing experiences. The gasket-mounted structure with five layers of padding ensures a quiet and satisfying acoustic profile, complemented by vibrant RGB backlighting.

2. PACKAGE CONTENTS

Please verify that all items are present in your package:

- EPOMAKER Split70 Keyboard (Left and Right Halves)
- USB-C to USB-A Cable (for wired connection and charging)
- USB-C to USB-C Interconnect Cable (for connecting keyboard halves)
- 2.4GHz Wireless Receiver (stored in the keyboard)
- Keycap Puller
- Switch Puller
- Extra Switches
- Mac Modifier Keycaps
- User Manual

Video: EPOMAKER Split70 Unboxing. This video demonstrates the contents of the EPOMAKER Split70 keyboard package, including the two keyboard halves, cables, and tools.

3. SETUP

3.1 Connecting the Keyboard Halves

The two halves of the Split70 keyboard connect via a short USB-C to USB-C interconnect cable. Plug one end into the USB-C port on the left half and the other end into the corresponding port on the right half. The halves can also be magnetically attached for a unified layout.
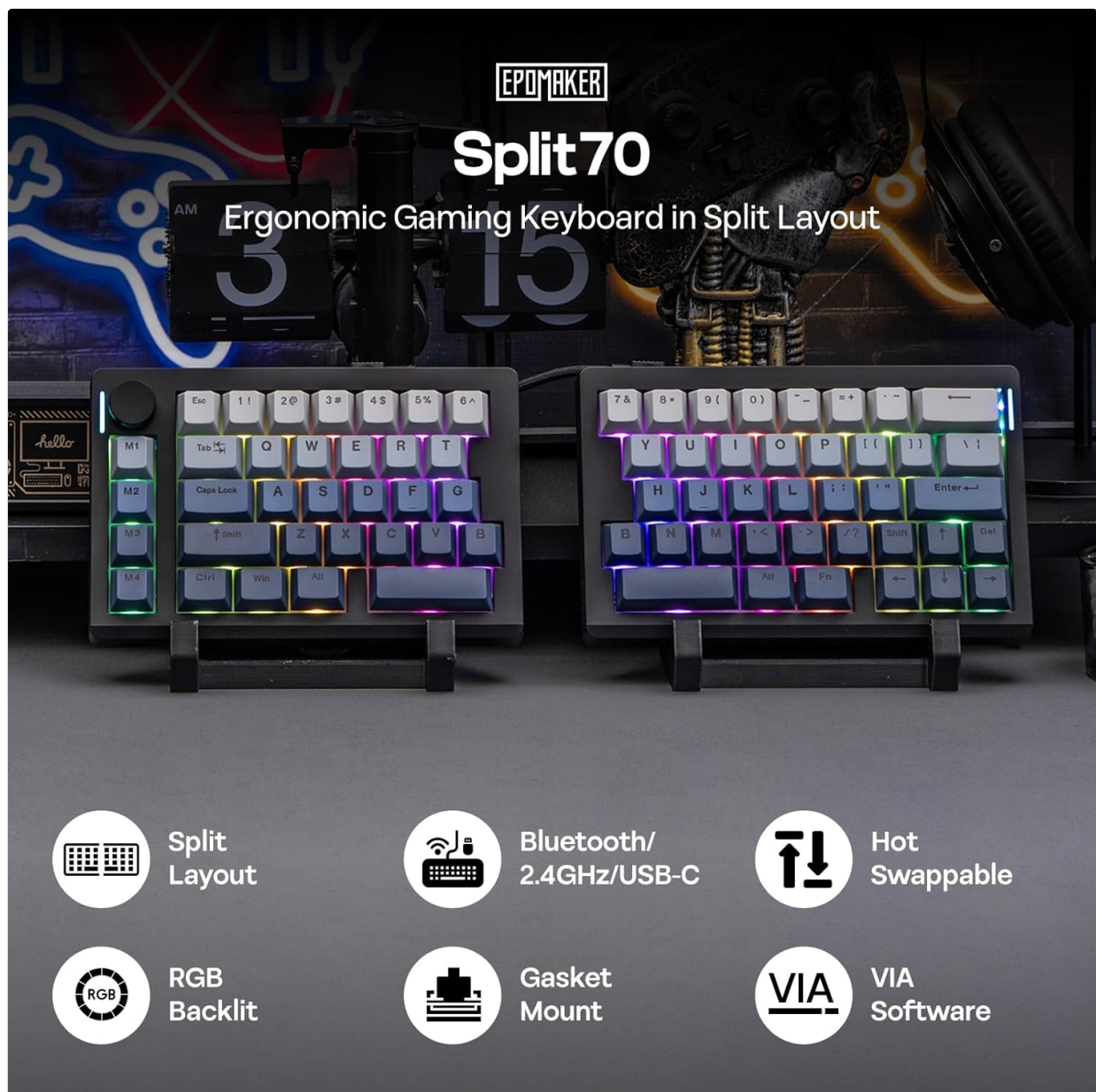
Image: EPOMAKER Split70 Keyboard. This image shows the two halves of the Split70 keyboard connected together, illustrating the compact 70% layout.

3.2 Wired Connection

1. Ensure the keyboard halves are connected using the interconnect cable.
2. Toggle the connectivity switch on the left keyboard half to the USB position.
3. Plug the provided USB-C to USB-A cable into the USB-C port on the left keyboard half and the USB-A end into your computer.
4. The keyboard backlight will illuminate, indicating a successful wired connection.

3.3 2.4GHz Wireless Connection

1. Ensure the keyboard halves are connected.
2. Toggle the connectivity switch on the left keyboard half to the 2.4G position.
3. Insert the 2.4G wireless receiver (dongle) into an available USB port on your computer.
4. The 'R' key indicator will flash until a connection is established, then it will stop flashing and return to the current backlight effect.

3.4 Bluetooth Connection

The Split70 supports up to three Bluetooth devices.

1. Ensure the keyboard halves are connected.

2. Toggle the connectivity switch on the left keyboard half to the BT position.

3. Hold down **FN + Q/W/E** until the light indicator flashes quickly. This prepares the keyboard for pairing with Bluetooth device 1 (Q), 2 (W), or 3 (E).

4. On your device (PC, Mac, Android Tablet), open Bluetooth settings and search for "Split70-1", "Split70-2", or "Split70-3" and connect.

5. Once connected, the light indicator will stop flashing and return to the current backlight effect.

6. To switch between paired Bluetooth devices, short press **FN + Q/W/E**.

Image: Tri-mode Connectivity. This image illustrates the various connectivity options of the Split70 keyboard, including Bluetooth, 2.4G wireless, and USB-C wired modes, compatible with multiple devices.

4. OPERATING INSTRUCTIONS

4.1 Basic Functions

The Split70 keyboard features a programmable rotary knob and dedicated function keys for enhanced control.

- **Rotary Knob:** The knob on the left keyboard half can be rotated to adjust volume or other multimedia settings, and pressed to mute/unmute. Its function can be customized via VIA software.
- **FN + Backspace:** Reset the keyboard to factory settings.
- **FN + A:** Switch to Windows OS layout.
- **FN + S:** Switch to Mac OS layout (Mac modifier keycaps are included for replacement).
- **FN + Win (Windows only):** Lock/Unlock Windows key.
- **FN + B:** Battery Check.
- **FN + Y:** Print Screen.
- **FN + U:** Scroll.
- **FN + I:** Pause.
- **FN + H:** Home.
- **FN + J:** End.
- **FN + K:** Page Up.
- **FN + L:** Page Down.
- **FN + Delete:** Insert.

4.2 RGB Backlight Control

The Split70 features customizable RGB backlighting and light strips.

- **FN + X:** Turn On/Off Backlight.
- **FN + Tab:** Toggle Backlight Effects.
- **FN + \|:** Toggle Light Strip Effects.
- **FN + ↑/↓:** Adjust Backlight Brightness.
- **FN + ←/→:** Adjust Backlight Effect Speed.
- **FN + ;/:** Adjust Backlight Saturation.
- **FN + [{/]} :** Adjust Backlight Hue.

Video: EPOMAKER Split70 RGB Backlit Setting. This video demonstrates how to adjust the RGB backlight settings and effects on the Split70 keyboard.

4.3 One-Click Functions

The dedicated macro keys (M1-M4) on the left half can be programmed for one-click actions:

- **M1:** Ctrl + Z (Undo)
- **M2:** Ctrl + X (Cut)
- **M3:** Ctrl + C (Copy)
- **M4:** Ctrl + V (Paste)

Image: Split Mechanical Keyboard with Macro Keys. This image highlights the dedicated macro keys (M1-M4) on the left half of the Split70 keyboard and their default functions for common actions like Undo, Cut, Copy, and Paste.

5. CUSTOMIZATION (QMK/VIA)

The EPOMAKER Split70 is fully customizable with QMK/VIA software, allowing you to remap keys, set macros, and configure lighting effects with maximum freedom.

1. Visit https://www.usevia.app/ to access the VIA web application.
2. Download the custom JSON file for the Split70 from the EPOMAKER official website (epomaker.com) and load it into the VIA software.
3. Connect your keyboard via wired USB-C to your computer.
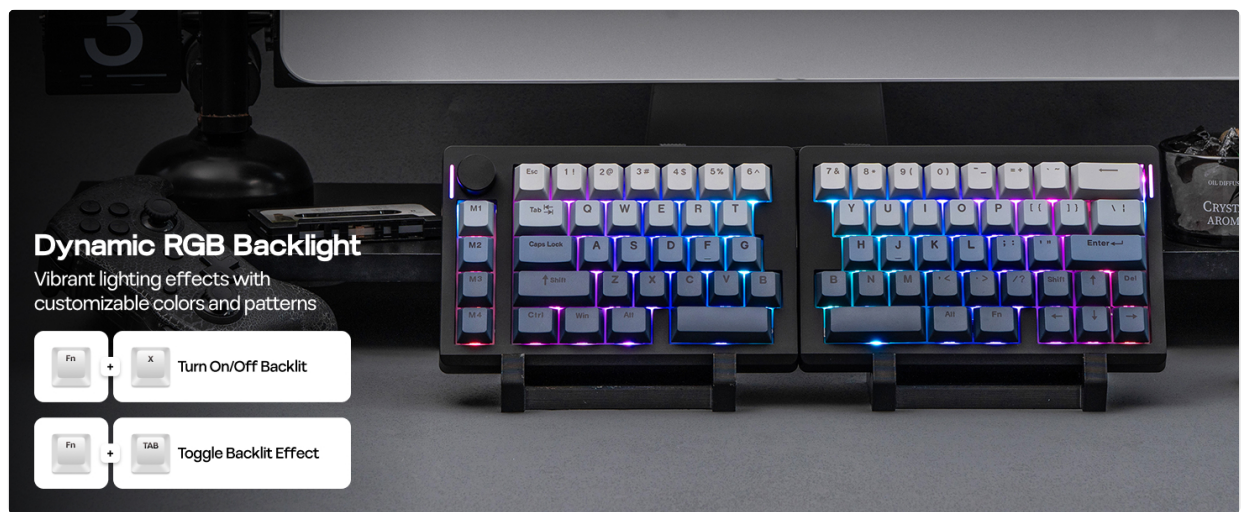4. Configure your desired key layouts, macros, and lighting settings in real-time.

Image: Web VIA Software. This image displays the user interface of the VIA software, demonstrating its capabilities for customizing keymaps, macros, and lighting on the Split70 keyboard.

6. MAINTENANCE

6.1 Replacing Keycaps and Switches

The Split70 features hot-swappable sockets, allowing you to easily change mechanical switches without soldering. Always ensure the keyboard is disconnected before performing maintenance.

1. **Remove Keycaps:** Use the included keycap puller to gently remove keycaps by pulling straight up.
2. **Remove Switches:** Use the included switch puller to grip the top and bottom clips of the switch and pull straight up.
3. **Install Switches:** Align the new 3-pin or 5-pin mechanical switch with the hot-swap socket on the PCB. Ensure the pins are straight and push the switch straight down until it clicks into place.
4. **Install Keycaps:** Press the desired keycaps onto the new switches.

Image: Hot-swappable Keyboard. This image shows the process of removing and installing mechanical switches on the Split70 keyboard, highlighting its hot-swappable feature.

6.2 Battery Check

To check the current battery percentage, hold **FN + B**. The backlight will illuminate from 1 to 0 keys, indicating the battery percentage (e.g., 6 keys lit means 60%). To check charging status, press and hold **FN + Space**. A solid red FN indicator means charging, a green indicator means fully charged.

6.3 Wireless Sleep Mode

The backlight will turn off after 5 minutes of inactivity. Simply press any key to reactivate the lighting. The keyboard enters sleep mode after 30 minutes of inactivity, turning off the backlight and disconnecting from the device. Press any key to wake it up and reconnect.

7. TROUBLESHOOTING

- **Connectivity Issues:** Ensure the correct mode (wired, 2.4G, or Bluetooth) is selected via the switch on the left keyboard half. For 2.4G, ensure the receiver is securely plugged in. For Bluetooth, ensure the keyboard is paired to the correct device slot (FN+Q/W/E).
- **Keys Not Responding:** Try resetting the keyboard to factory settings by holding **FN + Backspace**. Ensure switches are properly seated if they have been replaced.

- **Backlight Not Working:** Ensure the backlight is turned on (**FN + X**). Check brightness levels (**FN + ↑**).
- **DFU (Firmware Update) Mode:** To enter DFU mode for firmware updates, disconnect all cables from the keyboard. For the left half (with knob), hold **ESC** and plug in USB-C. For the right half (with arrow keys), remove the right Spacebar keycap and short-circuit PCB holes with tweezers, then plug in USB-C. Follow instructions on the QMK Toolbox.

8. SPECIFICATIONS

Brand	EPOMAKER
Model	Split70
Number of Keys	71 Keys + Knob
Connectivity Technology	2.4Ghz Wireless, BT 5.0, USB-C Wired
Switch Type	Creamy Linear (Wisteria Linear V2)
Hot-Swappable	Yes (3/5-pin mechanical switches)
Mounting Style	Gasket Mount
Backlighting	RGB (South-facing LEDs)
Battery Capacity	3000mAh
Polling Rate	1000Hz (Wired & 2.4G), 125Hz (Bluetooth)
OS Compatibility	Windows/Mac
Product Dimensions	14.65"L x 4.65"W x 1.56"H
Item Weight	2.77 pounds

9. WARRANTY & SUPPORT

EPOMAKER products typically come with a manufacturer's warranty. For specific warranty details and to register your product, please visit the official EPOMAKER website. For technical assistance, product inquiries, or support, please contact EPOMAKER customer service directly.
Official Website: epomaker.com
Email Support: support@epomaker.com