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Cooler Master SGK-4070-KKCL1-US

Cooler Master MasterKeys Pro L Mechanical Gaming Keyboard User Manual

Model: SGK-4070-KKCL1-US

INTRODUCTION

The Cooler Master MasterKeys Pro L is a full-size mechanical gaming keyboard designed for performance and customization. It features brilliant white LED backlighting and authentic Cherry MX Blue switches, providing a tactile and audible typing experience. The keyboard incorporates an on-the-fly system for seamless programming of functions, including multiple LED lighting modes, macro recording, and profile management, all powered by an onboard 32-bit ARM Cortex processor and 512KB memory. Its minimalistic design and 100% anti-ghosting capabilities ensure reliable performance for both gaming and general use.



Image: The Cooler Master MasterKeys Pro L keyboard, showcasing its full layout and white LED backlighting. The keyboard is black with white illuminated key legends.

PACKAGE CONTENTS

Verify that all items are present in your package:

- Cooler Master MasterKeys Pro L White LED Mechanical Gaming Keyboard (Cherry MX Blue Switch)
- USB-A Cable (Attached or Detachable, typically attached for this model)
- Keycap Puller (Often included for maintenance)

SETUP

1. **Unpacking:** Carefully remove the keyboard and its accessories from the packaging.
2. **Connection:** Connect the USB-A cable from the keyboard to an available USB port on your computer. The keyboard is compatible with PC, iOS, and Windows operating systems.
3. **Driver Installation:** The keyboard is typically plug-and-play. Your operating system should automatically detect and install the necessary drivers. No additional software installation is required for basic functionality and on-the-fly controls.
4. **Placement:** Position the keyboard comfortably on your desk. The integrated cable routing options allow you to direct the cable from three different exit points for a tidy setup.

OPERATING INSTRUCTIONS

The MasterKeys Pro L offers extensive customization directly from the keyboard, without the need for software.

LED Lighting Control

The keyboard features brilliant white LED backlighting with multiple modes. All lighting adjustments are performed using the Function (Fn) key in combination with other keys.

- **Brightness Adjustment:** Use **Fn + F1** (decrease brightness) and **Fn + F2** (increase brightness) to cycle through 6 levels of illumination, including off.
- **Lighting Modes:** Press **Fn + F3** to cycle through various preset lighting modes such as Breathing, Wave, and other responsive effects.
- **Per-Key Backlighting:** The keyboard supports individual key backlighting customization. Refer to the Cooler Master official website or detailed user guides for specific instructions on programming per-key lighting patterns. This typically involves entering a recording mode using **Fn + F4** (Mode) and then selecting keys.

On-the-Fly Macros and Profile Support

Program multiple keystrokes to a single key or switch between profiles directly from the keyboard.

- **Macro Recording:** To record a macro, press **Fn + F11** (Macro Record). Select the key you wish to assign the macro to, type your sequence of keys, and then press **Fn + F11** again to save.
- **Profile Switching:** The keyboard supports multiple profiles (P1, P2, P3, P4). Switch between these profiles using **Fn + P1/P2/P3/P4**. Each profile can store different lighting configurations and macros.
- **Repeat Rate Adjustment:** Adjust the key repeat rate using **Fn + F5** (1x), **Fn + F6** (2x), **Fn + F7** (4x), **Fn + F8** (8x).

Anti-Ghosting and N-Key Rollover

The MasterKeys Pro L features 100% anti-ghosting with N-key rollover (NKRO) technology. This ensures that every keypress is registered accurately, regardless of how many keys are pressed simultaneously. This is crucial for fast-paced gaming and rapid typing.

MAINTENANCE

Proper maintenance helps extend the lifespan of your keyboard.

- **Cleaning Keycaps:** Use a soft, damp cloth with mild soap and water to clean the keycaps. Avoid harsh chemicals. For deeper cleaning, use the included keycap puller to remove keycaps and clean underneath.
- **Cleaning the Keyboard Body:** Wipe the keyboard body with a dry or slightly damp cloth. Do not spray cleaning solutions directly onto the keyboard.
- **Dust Removal:** Use compressed air to remove dust and debris from between the keys.
- **Liquid Spills:** In case of a liquid spill, immediately unplug the keyboard from your computer. Invert the keyboard to drain as

much liquid as possible. Allow it to dry completely for at least 24-48 hours before reconnecting. Do not use a hairdryer or other heat sources, as this may damage components.

TROUBLESHOOTING

If you encounter issues with your MasterKeys Pro L keyboard, try the following steps:

- **Keyboard Not Responding:**

- Ensure the USB cable is securely connected to both the keyboard and the computer.
- Try connecting the keyboard to a different USB port on your computer.
- Test the keyboard on another computer to rule out a computer-specific issue.

- **Keys Not Registering / Ghosting:**

- The MasterKeys Pro L has 100% anti-ghosting. If keys are not registering, ensure no debris is lodged under the keycap or switch.
- Perform a factory reset (if available, consult Cooler Master support for specific key combinations).
- Update your operating system's USB drivers.

- **LED Lighting Issues:**

- Check the brightness level using **Fn + F2**.
- Cycle through lighting modes using **Fn + F3**.
- Ensure no specific profile or macro is overriding the lighting settings.

- **Macros Not Working:**

- Verify that the macro was recorded correctly.
- Ensure you are on the correct profile where the macro is stored.

If these steps do not resolve the issue, please contact Cooler Master customer support for further assistance.

SPECIFICATIONS

Brand	Cooler Master
Model Number	SGK-4070-KKCL1-US
Keyboard Description	Mechanical Gaming Keyboard
Switch Type	Cherry MX Blue
Backlighting	White LED
Connectivity Technology	USB-A
Hardware Platform	PC
Operating System Compatibility	iOS, Windows
Item Weight	2.49 pounds (approx. 1.13 kg)
Product Dimensions (LxWxH)	17.29 x 5.14 x 1.65 inches (approx. 43.9 x 13.1 x 4.2 cm)
Material	Plastic (with steel backplate)
Special Features	Lighting, On-the-fly Macros, Profile Support, 100% Anti-Ghosting

WARRANTY AND SUPPORT

Cooler Master products come with a limited warranty. Please refer to the official Cooler Master website or the warranty card included with your product for detailed warranty terms and conditions specific to your region.

For technical support, product registration, or to download the latest drivers and firmware (if applicable), visit the official Cooler Master support page:

www.coolermaster.com/support/

When contacting support, please have your product model number (SGK-4070-KKCL1-US) and purchase information ready.

