

Keychron K10 Pro

Keychron K10 Pro Wireless Custom Mechanical Keyboard User Manual

Model: K10 Pro | Brand: Keychron

INTRODUCTION

The Keychron K10 Pro is a wireless full-size mechanical keyboard designed for an enhanced typing experience. It features QMK programmability, hot-swappable switches, and a 1000 Hz polling rate for responsive performance. This manual provides detailed instructions for setting up, operating, and maintaining your Keychron K10 Pro keyboard.

1. SETUP

1.1 Package Contents

Before you begin, please verify that all items are included in your package:

Dimension	445 x 138 mm (17.52 x 5.43 inches)	Polling Rate	1000Hz (Wired Mode) / 90Hz (Wireless Mode)
Weight	1495 g / 3.29 lbs	Keycaps	Double-shot PBT Keycaps, OSA Profile (OEM profile with spherical-angle)
Connection	Bluetooth 5.1 and Type-C cable	Hot-Swappable	Yes, compatible with most of the 3pin and 5pin MX switches such as Cherry, Kailh, Panda, Gateron, etc.
Battery	4000 mAh Rechargeable li-polymer battery	Switch Face	South Facing White Silent Red Switch
BT Working Time	Lasts up to 130 hours continuous typing (at lowest brightness)	Switches	Keychron K Pro Brown
Compatible System	macOS/Windows/Linux	MCU	Ultra-low-Power Arm Cortex-M4 32-bit STM32L432 (128KB Flash)
Frame Material	ABS	Stabilizers	PCB-mounted Screw-in Stabilizers

Figure 1: Exploded view of the Keychron K10 Pro, showing keycaps, switches, frame, sound-absorbing foam, PCB, silicone bottom pad, and bottom case.

- 1x Fully Assembled Keyboard (including PCB, Steel Plate, Sound Absorbing Foam)
- 1x Silicone Bottom Pad
- 8 Sets of Stabilizers (PCB Screw-In)

- 1 Set of Keycaps (Double-Shot PBT)
- 1 Set of Switches (Keychron K Pro Silent Red Switch)
- 1x Type-A to Type-C Cable
- 1x Switch Puller
- 1x Keycap Puller
- 1x Screwdriver

1.2 Connectivity Modes

The Keychron K10 Pro supports both wireless (Bluetooth 5.1) and wired (USB-C) connections.

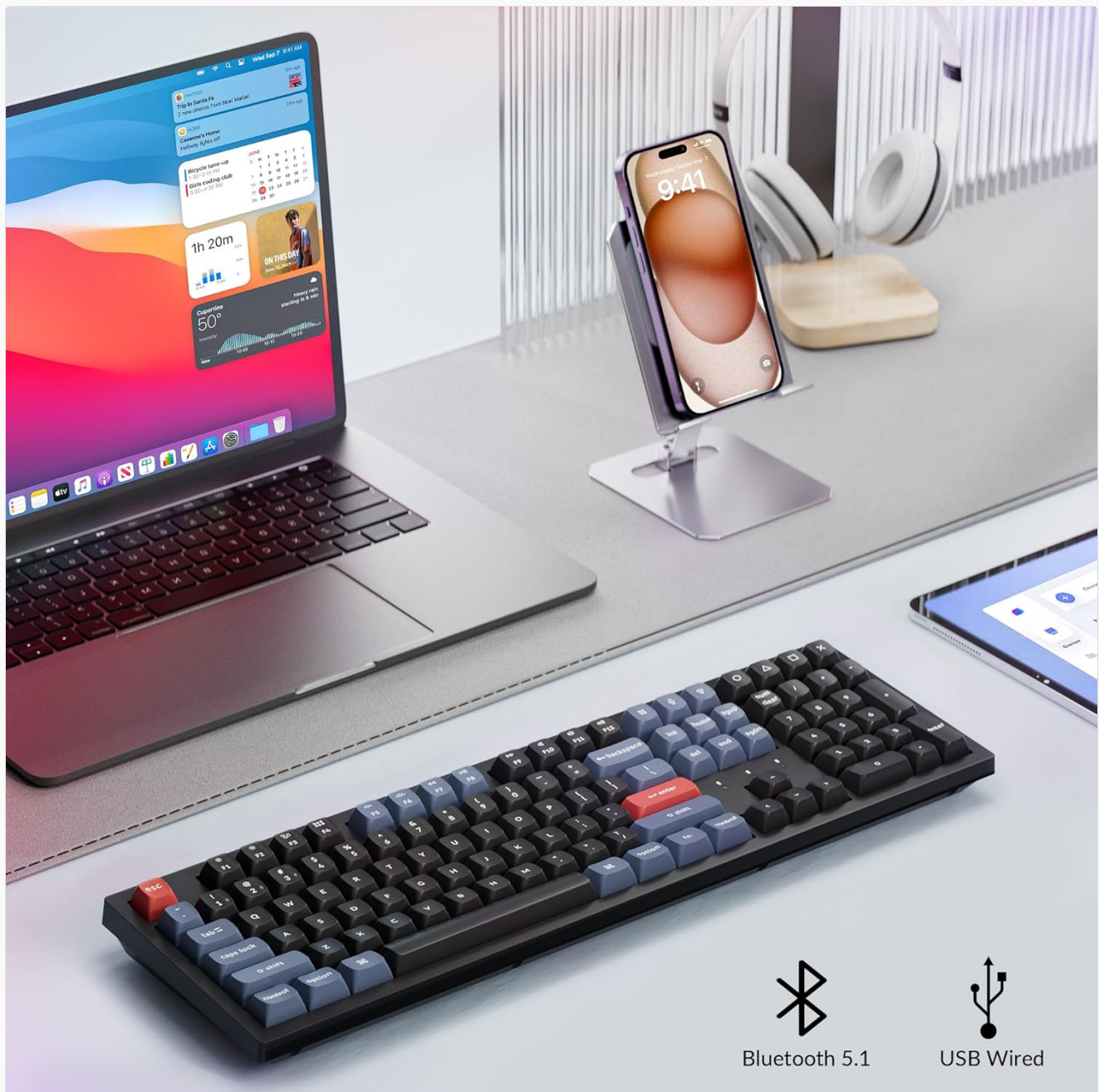


Figure 2: The Keychron K10 Pro offers both Bluetooth 5.1 wireless and USB wired connectivity options, allowing seamless switching between multiple devices like laptops, phones, and tablets.

1.2.1 Wireless Mode (Bluetooth)

1. Locate the mode switch on the back of the keyboard and slide it to the "BT" position.
2. Press and hold the **Fn + 1** (or **Fn + 2 / Fn + 3**) key combination for 4 seconds until the indicator light flashes

rapidly, indicating pairing mode.

3. On your device (laptop, phone, tablet), enable Bluetooth and search for "Keychron K10 Pro".
4. Select the keyboard to complete the pairing process. You can pair up to 3 devices and switch between them using **Fn + 1**, **Fn + 2**, or **Fn + 3**.

1.2.2 Wired Mode (USB-C)

1. Locate the mode switch on the back of the keyboard and slide it to the "Cable" position.
2. Connect the provided Type-A to Type-C cable from your computer's USB port to the keyboard's USB-C port.
3. The keyboard will automatically be recognized by your system.

1.3 Operating System Compatibility

The K10 Pro is fully compatible with macOS, Windows, and Linux operating systems. Use the OS switch on the back of the keyboard to select the appropriate layout for your system.

1.4 QMK Firmware and Keychron Launcher

The keyboard is QMK programmable, allowing for extensive customization of key assignments, macros, shortcuts, and combos. Use the Keychron Launcher online application for easy configuration.

EASILY REMAP ANY KEY WITH KEYCHRON LAUNCHER



Figure 3: The Keychron Launcher online application provides a user-friendly interface for remapping keys, creating macros, and customizing keyboard functions across different operating systems like Linux, macOS, and Windows.

- Access the Keychron Launcher via a web browser (Chrome, Edge, Opera) at launcher.keychron.com.
- With onboard memory, your customized settings will sync across both wired and wireless modes.

2. OPERATING THE KEYBOARD

2.1 Key Functions and Layout

The K10 Pro features a 100% full-size layout. Many keys have secondary functions accessible via the **Fn** key. Refer to the keycap legends for specific functions.



Figure 4: The Keychron K10 Pro features a 100% full-size layout, providing all standard keys including a numeric keypad, function row, and navigation cluster.

2.2 Backlight Control

The keyboard features a white backlight. You can adjust the brightness and lighting effects using dedicated key combinations. Consult the keyboard's quick start guide or Keychron Launcher for specific backlight controls. The south-facing white backlight illuminates beautifully from the typist's angle.

2.3 Battery Management

The K10 Pro is equipped with a 4000 mAh rechargeable Li-polymer battery.

- **Battery Life:** Up to 260 hours of continuous typing with the backlight off, or 130 hours on the lowest brightness setting.

- **Charging:** Connect the keyboard via the USB-C cable to a power source (computer USB port or wall adapter). The charging indicator light will show the charging status.

3. MAINTENANCE

3.1 Cleaning the Keyboard

- Disconnect the keyboard from all power sources before cleaning.
- Use a soft, lint-free cloth slightly dampened with water or a mild cleaning solution to wipe down the keycaps and frame.
- For deeper cleaning, use compressed air to remove dust and debris from between the keys.

3.2 Keycap and Switch Replacement (Hot-Swappable)

The K10 Pro features hot-swappable switches, allowing you to easily change switches without soldering. It also comes with durable double-shot PBT keycaps.

HOT-SWAPPABLE

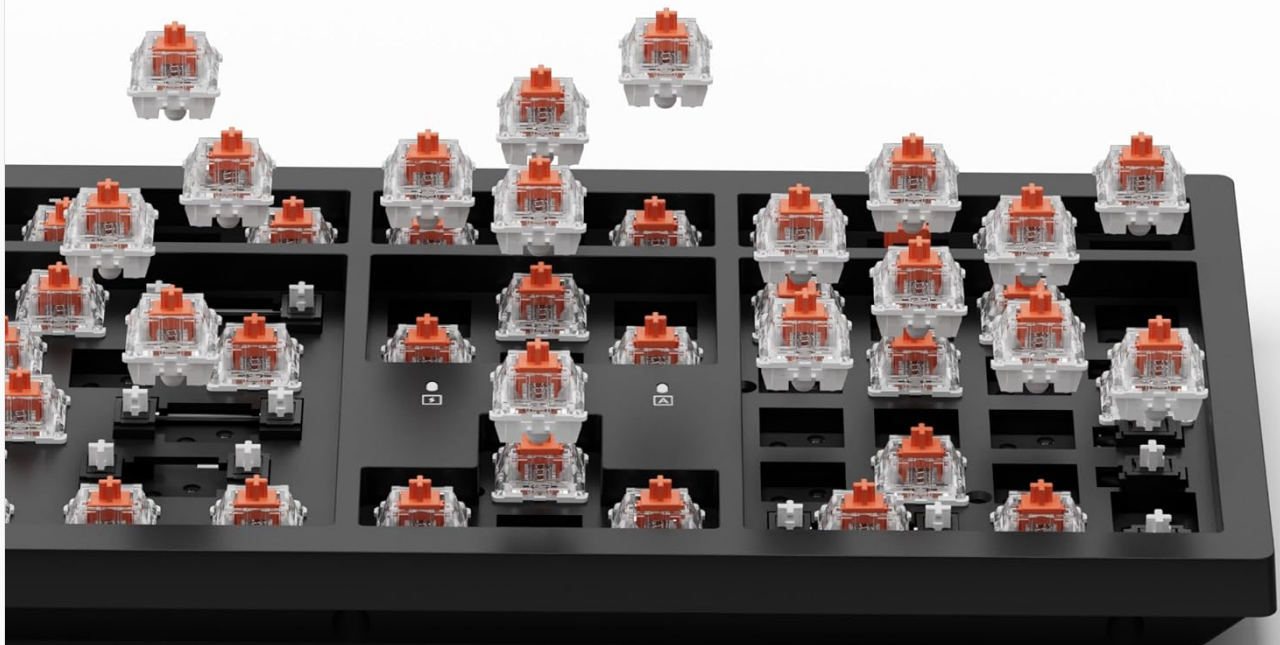


Figure 5: The hot-swappable design of the Keychron K10 Pro allows users to easily remove and replace individual switches without soldering, offering customization and simplified maintenance.

DOUBLE-SHOT PBT KEYCAPS



OSA Profile



Figure 6: The Keychron K10 Pro features durable double-shot PBT keycaps with an OSA profile, designed for oil resistance and lasting comfort during extended typing sessions.

3.2.1 Removing Keycaps

1. Use the provided keycap puller.
2. Gently hook the puller onto the keycap and pull straight up to remove it.

3.2.2 Removing Switches

1. After removing the keycap, use the provided switch puller.
2. Align the prongs of the switch puller with the two clips on the top and bottom of the switch.
3. Squeeze the clips and gently pull the switch straight up.

3.2.3 Installing Switches and Keycaps

1. Ensure the new switch pins are straight. Align the pins with the holes on the PCB.

2. Gently push the switch down until it clicks into place. Do not force it.
 3. Place the keycap onto the switch stem and press down firmly until it is seated.
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4. TROUBLESHOOTING

4.1 Connectivity Issues

- **Bluetooth not connecting:**
 - Ensure the keyboard's mode switch is set to "BT".
 - Verify the keyboard is in pairing mode (indicator light flashing).
 - Forget the device on your computer/phone and try pairing again.
 - Ensure the keyboard is charged.
- **Wired connection not working:**
 - Ensure the keyboard's mode switch is set to "Cable".
 - Try a different USB-C cable or USB port on your computer.

4.2 Keys Not Responding / Incorrect Input

- **Individual keys:**
 - If a specific key is not working, it might be a faulty switch. Utilize the hot-swappable feature to replace the switch.
 - Ensure the keycap is properly seated.
- **Incorrect layout:**
 - Check the OS switch on the back of the keyboard and ensure it matches your operating system (Mac/Windows).
- **Customization issues:**
 - If custom key assignments are not working, revisit the Keychron Launcher (launcher.keychron.com) to verify your settings and ensure they are saved to the onboard memory.

4.3 Backlight Issues

- **Backlight off:**
 - Ensure the keyboard is charged.
 - Check backlight control key combinations (refer to quick start guide).
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5. SPECIFICATIONS

Detailed technical specifications for the Keychron K10 Pro keyboard:

Minimize the Sound in a Quiet Environment



Silent Red Switch

Type: Linear
Operation Force: 45+10gf
Pre-Travel: 2+0.4 mm
Total Travel: 4+0.4 mm
Operation Life: Up to 80M cycles
Feeling: Vertical, light pressing force, soft rebound

Figure 7: Specifications for the Keychron K Pro Silent Red Switches, detailing their linear type, operation force (45±10 gf), pre-travel (2±0.4 mm), total travel (4±0.4 mm), operation life (up to 80M cycles), and a vertical, light pressing force with soft rebound feeling.

Feature	Detail
Model	K10 Pro
Layout	100% Full-Size (108 Keys)
Switches	Keychron K Pro Silent Red (Hot-swappable)
Keycaps	Double-shot PBT, OSA Profile
Connectivity	Bluetooth 5.1 & USB-C
Polling Rate	1000Hz (Wired Mode) / 90Hz (Wireless Mode)
Battery	4000 mAh Rechargeable Li-polymer
BT Working Time	Up to 130 hours (lowest brightness) / 260 hours (backlight off)
Compatible System	macOS/Windows/Linux
Frame Material	ABS
MCU	Ultra-low-power Arm Cortex-M4 32-bit STM32L432 (128KB Flash)
Stabilizers	PCB-mounted Screw-in Stabilizers
Item Weight	4.39 pounds (1495 g / 3.29 lbs)
Package Dimensions	18.6 x 7.4 x 2.2 inches

6. WARRANTY AND SUPPORT

Keychron products are designed for durability and performance. For warranty information, technical support, or further assistance, please visit the official Keychron website or contact their customer service. Keep your purchase receipt for warranty claims.

Official Keychron Website: www.keychron.com