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› Keychron Q2 Wired Custom Mechanical Keyboard Instruction Manual

Keychron Q2

Keychron Q2 Wired Custom Mechanical Keyboard Instruction Manual

Model: Q2

INTRODUCTION

The Keychron Q2 is a fully customizable wired mechanical keyboard featuring a compact 65% layout. Constructed with a solid full aluminum frame, the Q2 is designed for easy assembly and offers a premium typing experience. It supports full QMK and VIA programming for extensive customization and features hot-swappable switches for personalized tactile feedback.



Image: The Keychron Q2 Wired Custom Mechanical Keyboard, showcasing its compact 65% layout and blue color scheme.

SETUP GUIDE

1. Package Contents

Before beginning, ensure all components are present:

- Keychron Q2 Keyboard Kit (Aluminum Case, PCB, Steel Plate, Sound Absorbing Foam, Case Foam, Gaskets)
- USB Type-C to Type-C Cable
- USB Type-A to Type-C Adapter
- Switch Puller
- Keycap Puller
- Screwdriver
- Hex Key
- Stabilizers (4 sets)

Note: All tools are typically located at the bottom of the packaging.



Image: Diagram illustrating the contents of the Keychron Q2 package, including the keyboard, cables, and tools.

2. Connecting the Keyboard

1. Locate the USB Type-C port on the back of the Keychron Q2 keyboard.
2. Connect one end of the provided USB Type-C to Type-C cable to the keyboard.
3. Connect the other end of the cable to your computer's USB Type-C port. If your computer only has USB Type-A ports, use the included USB Type-A to Type-C adapter.
4. Ensure the operating system switch (located on the back edge of the keyboard) is set to the correct position for your system (Mac or Windows).
5. The keyboard will automatically be recognized by your operating system.



Image: A close-up view of the Keychron Q2 keyboard with a USB-C cable connected, showing the Mac/Win switch.

OPERATING INSTRUCTIONS

1. QMK/VIA Customization

The Keychron Q2 supports full QMK and VIA programming, allowing you to remap keys, create macros, and customize lighting effects. To use VIA software:

1. Download the VIA software from the official Keychron website (keychron.com/pages/qmk-via).
2. Connect your Q2 keyboard to your computer via the USB cable.
3. Launch the VIA software. The software should automatically detect your Q2 keyboard. If not, you may need to import the Q2 keymap JSON file, also available on the Keychron website.
4. Use the graphical interface to drag and drop functions, assign macros, and configure lighting for each key. Changes are applied in real-time.

Hot-swappable Switches

The PCB supports both 3 pin and 5 pin MX mechanical switches



Image: Screenshot of the VIA software interface, demonstrating how to remap keys on the Keychron Q2 keyboard.

2. Hot-Swappable Switches

The Q2's PCB supports both 3-pin and 5-pin MX style mechanical switches, allowing for easy switch replacement without soldering.

1. Using the provided keycap puller, carefully remove the keycap from the switch you wish to replace.
2. Use the provided switch puller to gently grip the top and bottom clips of the switch. Pull the switch straight up to remove it from the PCB.
3. Align the pins of the new switch with the holes on the PCB. Ensure the pins are straight to avoid bending.
4. Press the new switch firmly into place until it clicks.
5. Re-attach the keycap.



Program Q2 With QMK & VIA

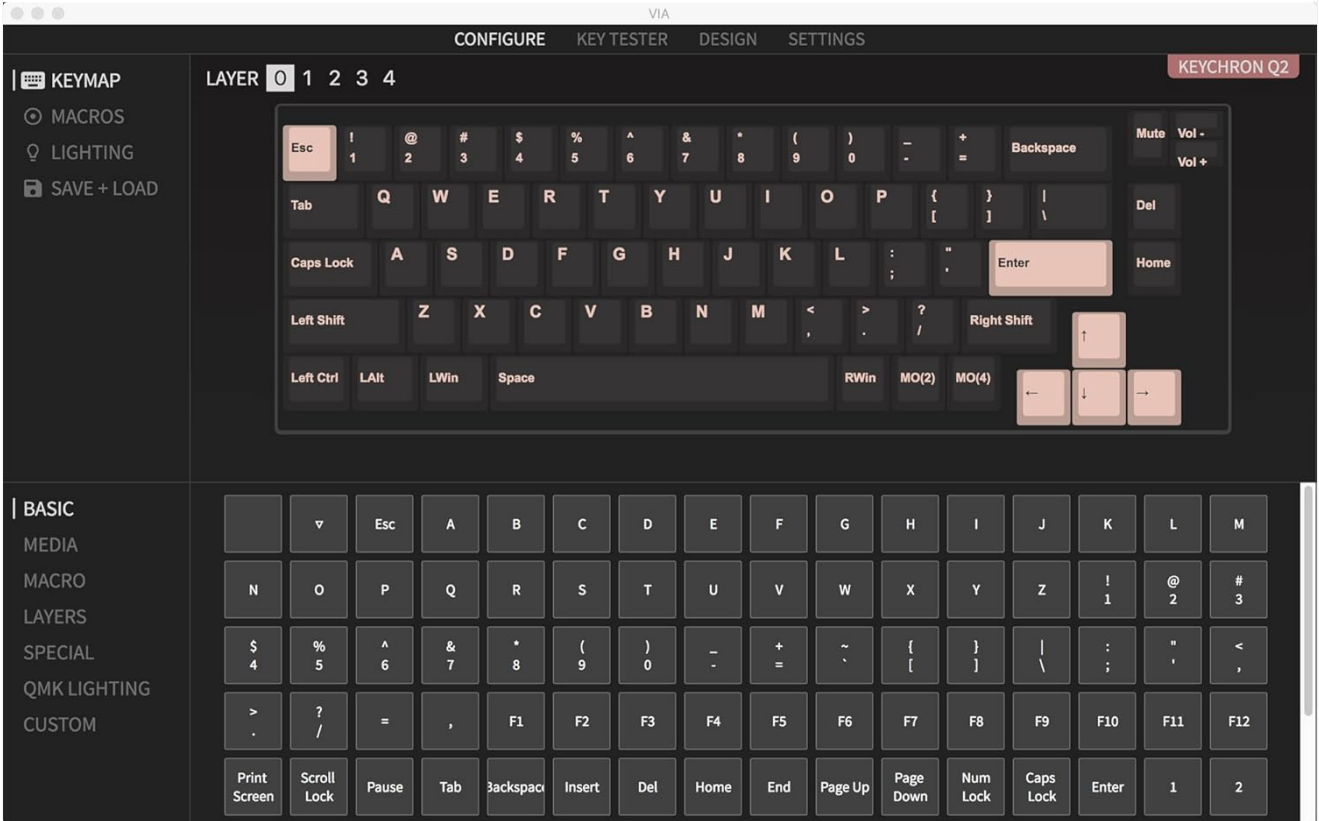


Image: A close-up view of the Keychron Q2's PCB with several switches removed, demonstrating the hot-swappable feature.

3. Keycaps and RGB Lighting

The Q2 comes with premium non-shine-through PBT keycaps, known for their durability and oil resistance. The keyboard features south-facing RGB LEDs, designed to provide better illumination of the backlight from the typist's perspective.

South-facing RGB LED Lights

The south-facing RGB is designed to better illuminate the keyboard backlight from the typist's angle.



Image: A detailed view of the Keychron Q2's double-shot PBT keycaps, highlighting their texture and legends.



Image: A close-up of the Keychron Q2's south-facing RGB LEDs illuminating the switches from below.

MAINTENANCE

1. Cleaning the Keyboard

Regular cleaning helps maintain the keyboard's performance and appearance.

- **Dust Removal:** Use a can of compressed air to blow away dust and debris from between the keycaps.
- **Keycap Cleaning:** For deeper cleaning, remove the keycaps using the provided keycap puller. Wash them with mild soap and water, then ensure they are completely dry before reattaching.
- **Case Cleaning:** Wipe the aluminum case with a soft, damp cloth. Avoid harsh chemicals that could damage the finish.

2. Switch and Stabilizer Maintenance

The hot-swappable design allows for easy maintenance of switches and stabilizers.

- **Switch Replacement:** If a switch becomes faulty, replace it using the hot-swapping procedure described in the Operating Instructions.

- **Stabilizer Lubrication:** For optimal performance and reduced wobbliness on larger keys (space bar, shift, enter), the PCB-mounted screw-in stabilizers can be lubricated. This typically involves disassembling the keyboard to access the stabilizers.

Disassembling and Assembling with Ease

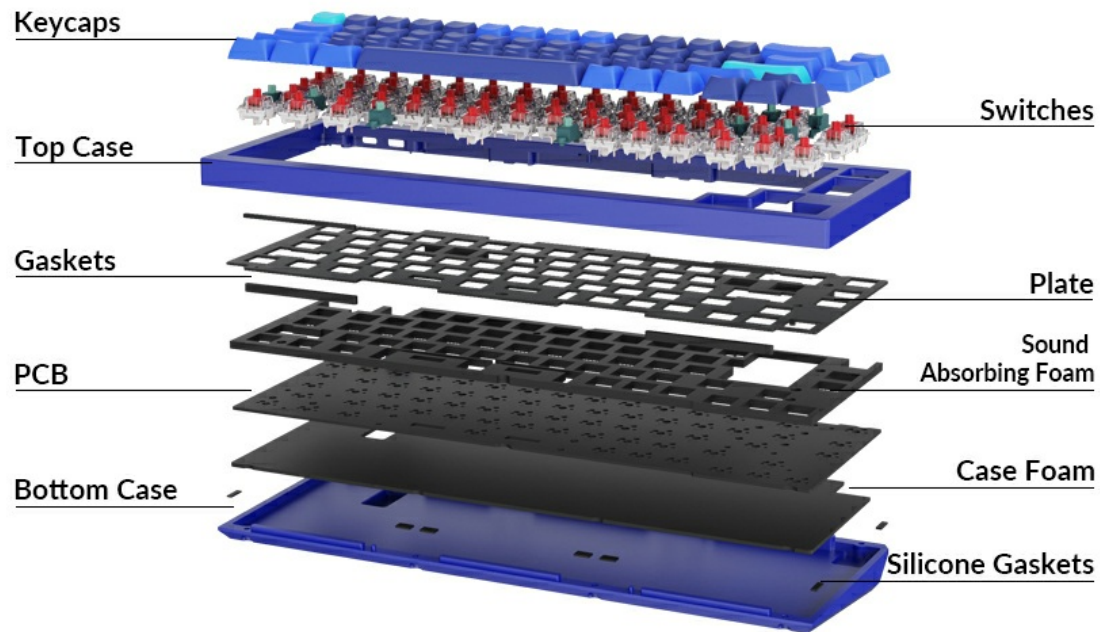


Image: An exploded diagram of the Keychron Q2, showing its various components like keycaps, switches, top case, gaskets, plate, PCB, sound absorbing foam, case foam, bottom case, and silicone gaskets, illustrating ease of disassembly.

TROUBLESHOOTING

Common Issues and Solutions:

- **Keyboard Not Responding:**
 - Ensure the USB cable is securely connected to both the keyboard and the computer.
 - Verify the Mac/Windows switch on the back of the keyboard is set to the correct operating system.
 - Try connecting the keyboard to a different USB port or a different computer to rule out port issues.
 - Restart your computer.
- **Specific Keys Not Working:**
 - Remove the keycap and switch for the non-functional key. Inspect the switch pins for bends or damage. Straighten bent pins carefully or replace the switch if damaged.
 - Ensure the switch is fully seated in the PCB.
 - Check VIA software to ensure the key has not been accidentally remapped or disabled.
- **RGB Lighting Issues:**
 - Ensure the keyboard is properly connected.
 - Use the VIA software to check and adjust lighting settings.
 - Perform a factory reset if lighting issues persist (refer to Keychron's official support for specific reset procedures).
- **Keyboard Disconnecting Randomly:**

- Try a different USB cable.
- Ensure the USB port on your computer is stable and providing sufficient power.
- Update your computer's USB drivers.

If you encounter issues not covered here, please refer to the official Keychron support resources.

SPECIFICATIONS

Feature	Detail
Brand	Keychron
Model Name	Q2
Model Number	Q2-J1
Keyboard Layout	65% (68 Keys), QWERTY
Connectivity Technology	Wired (USB-A, USB-C)
Compatible Devices	PC (Linux, MacOS, Windows)
Switch Type	Gateron G Pro Red (Linear), Hot-swappable
Backlighting	RGB (South-facing)
Material	Full Aluminum Frame, PBT Keycaps
Product Dimensions	12.89"L x 4.76"W x 1.33"H
Special Features	QMK/VIA Programmable, Double Gasket Design

WARRANTY INFORMATION

Keychron products typically come with a standard manufacturer's warranty. For detailed information regarding the warranty period, coverage, and terms and conditions for your Keychron Q2 keyboard, please refer to the official Keychron website or the warranty card included with your product. Keep your proof of purchase for warranty claims.

SUPPORT AND RESOURCES

For further assistance, software downloads (VIA), firmware updates, and frequently asked questions, please visit the official Keychron support page:

- **Keychron Official Website:** www.keychron.com
- **QMK/VIA Software & Firmware:** www.keychron.com/pages/qmk-via
- **Keychron Store:** [Visit the Keychron Store on Amazon](#)

You can also find community forums and additional user guides online for advanced customization and troubleshooting tips.

