

[Manuals.plus](#) /

› [IQUNIX](#) /

› IQUNIX MQ80 Low Profile Mechanical Keyboard User Manual

IQUNIX MQ80 Low Profile Keyboard

IQUNIX MQ80 Low Profile Mechanical Keyboard User Manual

Model: MQ80 Low Profile Keyboard

INTRODUCTION

The IQUNIX MQ80 is a low-profile mechanical keyboard designed for both work and gaming. It features tri-mode connectivity (wireless 2.4GHz, Bluetooth, and wired USB-C), a durable CNC aluminum body, hot-swappable switches, and customizable RGB backlighting with VIA support. This manual provides essential information for setting up, operating, and maintaining your MQ80 keyboard.



Image: Top-down view of the IQUNIX MQ80 Low Profile Mechanical Keyboard in Shadow Black.

KEY FEATURES

- **Low Profile Design:** Ergonomically engineered with a 0.40 inch front height for comfortable typing without a wrist rest. Features low-profile Kailh POM switches with 1.2mm pre-travel for faster actuation.

Ergonomic Comfort

Perfect for long hours of typing or gaming



Image: Hands typing on the IQUNIX MQ80 keyboard, demonstrating its ergonomic design for comfortable use.

- **Precision Aluminum Craftsmanship:** CNC-machined aluminum body with a 180-grit anodized finish for durability and a premium feel.

Full Aluminum CNC Body

Durable & premium 180-grit anodized finish

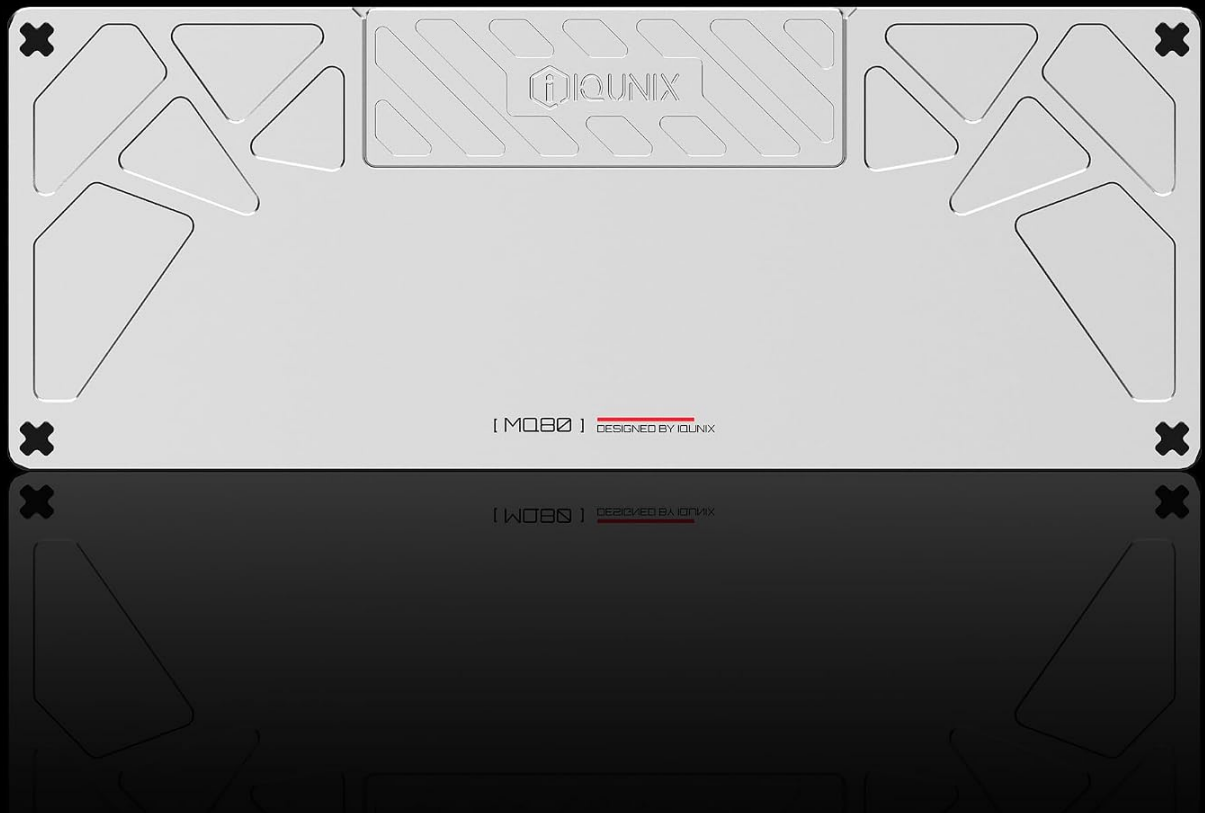


Image: Underside view of the IQUNIX MQ80 keyboard, highlighting its full aluminum CNC body construction.

- **Class-Leading Battery Life:** Up to 350 hours of use on a single charge, enabled by advanced low-power technology.

350-Hour Battery Life

Long-lasting power with smart energy-saving tech



350Hrs

MQ80

100Hrs

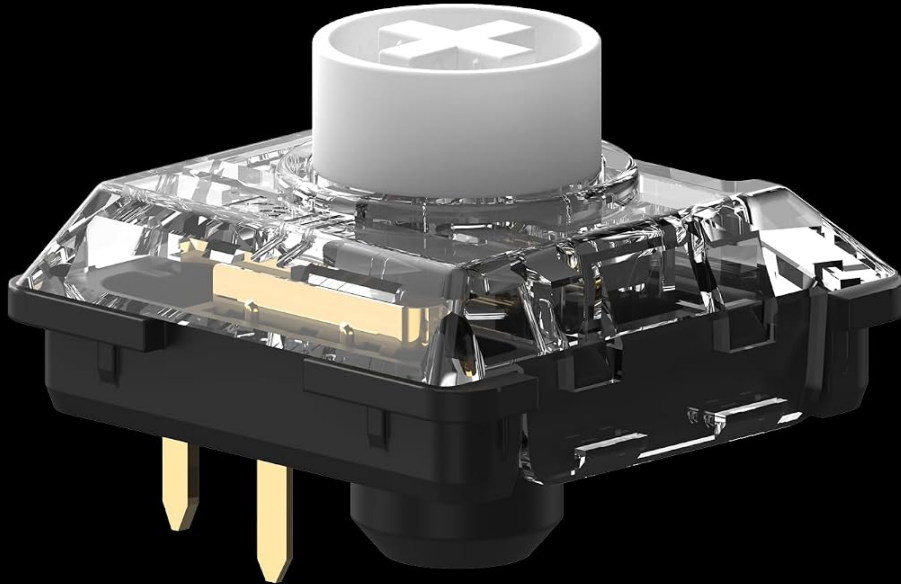
other

Image: A graphic comparing the 350-hour battery life of the MQ80 to a typical 100-hour battery life of other keyboards.

- **Custom Feel with Hot-Swappable Switches:** Equipped with pre-lubed Gold Red switches (30gf–50gf actuation). The hot-swappable design allows for easy customization of switches without soldering.

Gold Red Switches

The MQ80 features Kailh POM Gold Red Linear Switches with a 40gf light actuation force bringing a fatigue-free typing experience



2.8±0.25mm

Total Travel

1.2±0.3mm

Pretravel

50M keystrokes

Lifespan

40±10gf

Actuation Force

Image: A detailed view of a Kailh POM Gold Red switch, showing its internal components and specifications.

- **Effortless Customization with VIA Support:** Supports VIA for powerful key remapping, macro recording, and RGB lighting customization without coding. Mac-ready by default, with extra keycaps for PC setup.

VIA Programmable

Custom key mappings, macros, and RGB settings VIA

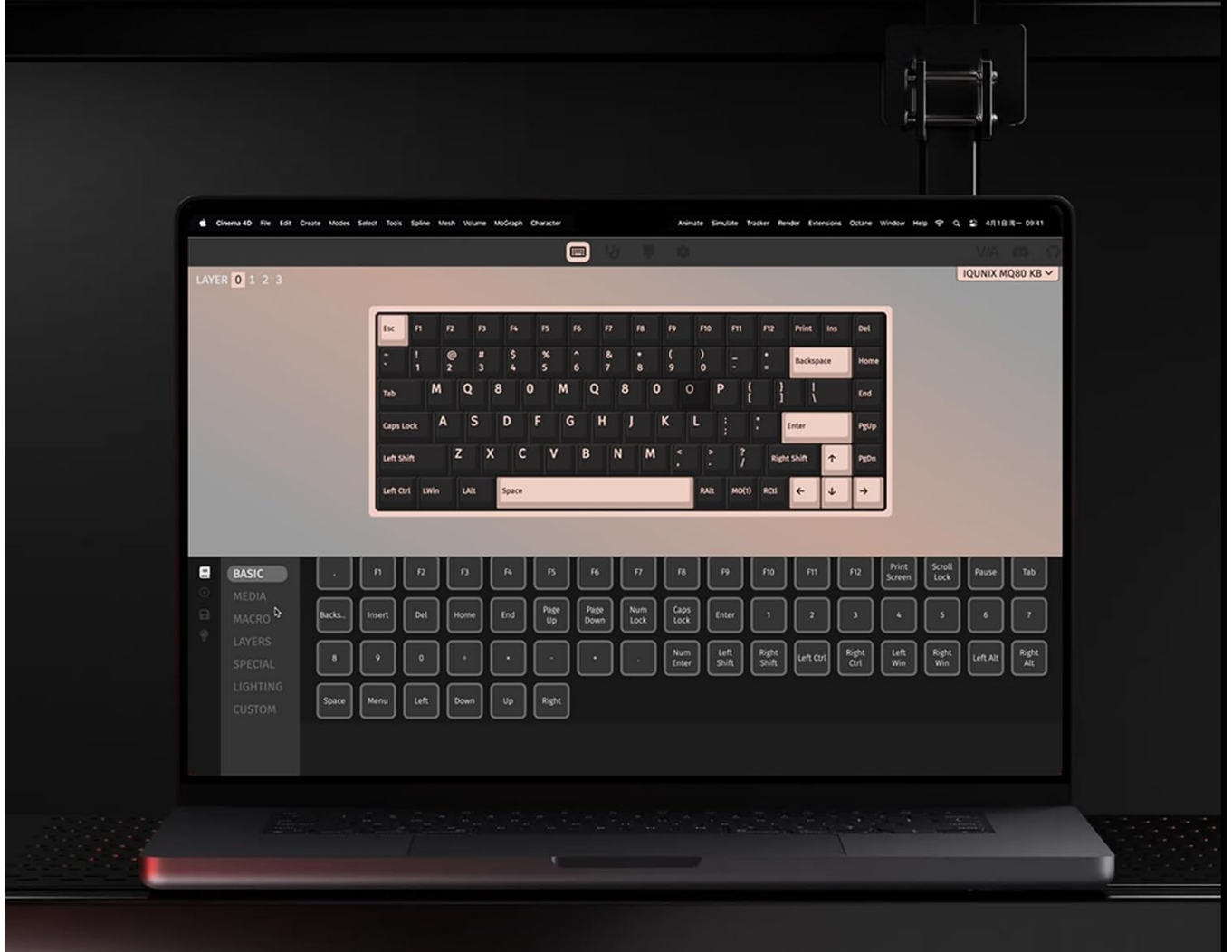


Image: A screenshot of the VIA software interface, demonstrating its capabilities for custom key mappings and RGB settings.

- **Tri-Mode Connectivity:** Seamlessly switch between Bluetooth 5.1, 2.4GHz wireless, and USB-C wired connections. Supports up to three Bluetooth connections and offers a 1000Hz polling rate in 2.4G mode.

Cross-Platform

Tri-Mode Connectivity

iQUNIX



With Tri-Mode Connectivity—Bluetooth 5.1, 2.4GHz wireless, and USB-C wired—you can seamlessly switch between devices. The MQ80 supports up to three Bluetooth connections, and with a 1000Hz polling rate in 2.4G mode, it ensures ultra-responsive lag-free performance for gaming, programming, and multitasking.

Image: The IQUNIX MQ80 keyboard shown connected to a laptop, smartphone, and mouse, illustrating its tri-mode connectivity.

- **Proprietary Le-tray Mount & Sound Dampening:** Features six PCB support arms, a silicone gasket, and five-layer sound dampening for responsive typing and balanced acoustics.

A Groundbreaking World-First Innovation

Six PCB Support Arms + Silicone Gasket
+ Five-Layer Sound Dampening

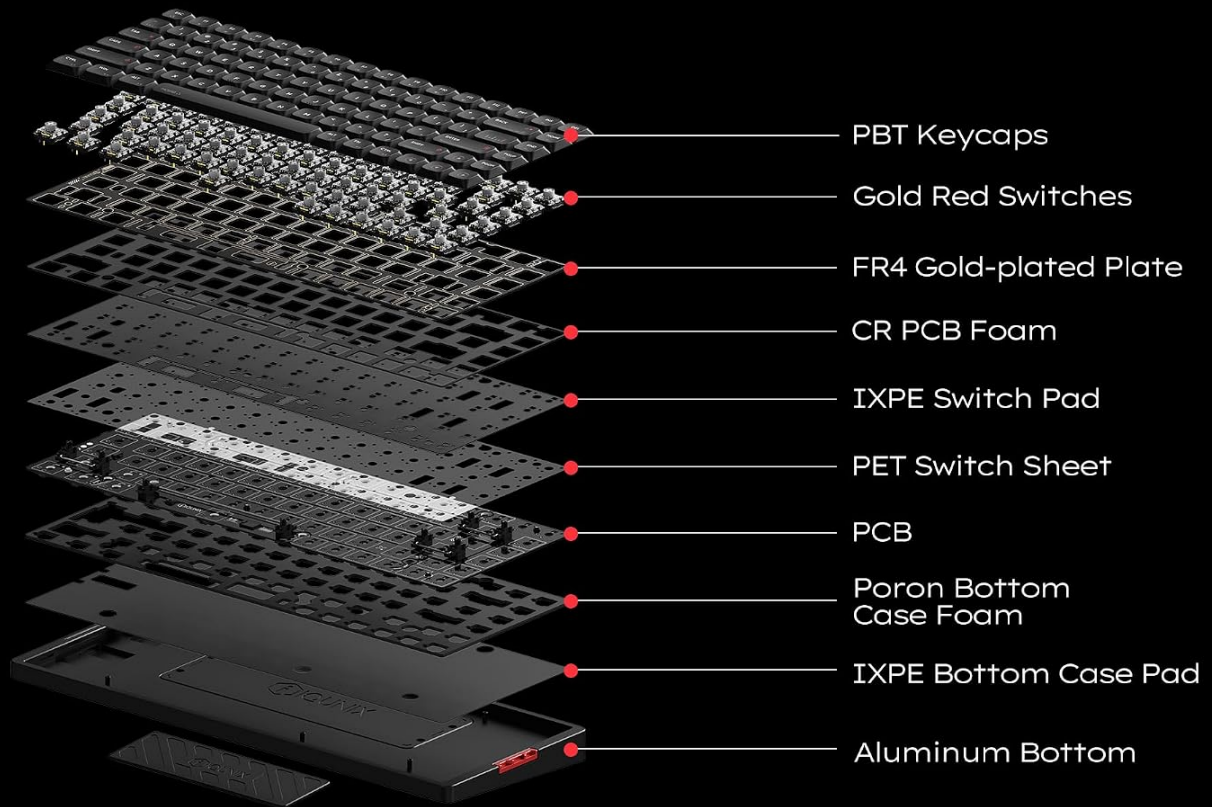


Image: An exploded diagram illustrating the internal layers and components of the IQUNIX MQ80 keyboard, including PBT keycaps, Gold Red switches, and various dampening layers.

SETUP

Package Contents

Before setup, please ensure all items are present in the package:

- IQUNIX MQ80 Keyboard
- Premium Carrying Case
- Keycap & Switch Puller
- 2.4G USB Receiver
- Dusk Brush
- USB-C Cable

Connecting Your Keyboard

The IQUNIX MQ80 supports three connection modes: Wired (USB-C), 2.4GHz Wireless, and Bluetooth.

1. Wired Connection (USB-C)

1. Locate the USB-C port on the keyboard.
2. Connect one end of the provided USB-C cable to the keyboard.
3. Connect the other end of the USB-C cable to an available USB port on your computer.
4. The keyboard will be automatically recognized and ready for use.

2. 2.4GHz Wireless Connection

1. Locate the 2.4G USB Receiver included in the package.
2. Plug the 2.4G USB Receiver into an available USB port on your computer.
3. On the keyboard, switch the connection mode to 2.4G (refer to the keyboard's physical switch or function key combination for mode selection, typically indicated by an icon or LED).
4. The keyboard should automatically pair with the receiver.

3. Bluetooth Connection

The MQ80 supports up to three Bluetooth devices.

1. On the keyboard, switch the connection mode to Bluetooth (refer to the keyboard's physical switch or function key combination for mode selection, typically indicated by an icon or LED).
2. Activate Bluetooth on your computer or device.
3. On your device, search for new Bluetooth devices. The keyboard should appear as "IQUNIX MQ80" or similar.
4. Select the keyboard to pair. If prompted for a passkey, enter it as displayed on your screen or device.
5. To switch between paired Bluetooth devices, use the designated function key combinations (e.g., Fn + 1, Fn + 2, Fn + 3).

OPERATING INSTRUCTIONS

Basic Keyboard Functions

The MQ80 keyboard features a standard layout with additional function keys accessible via the **Fn** key.

- **Function Keys (F1-F12):** Access multimedia controls, volume, and other system functions by pressing **Fn** + the corresponding F-key.
- **Operating System Mode:** The keyboard is Mac-ready by default. Use the provided extra keycaps for PC setup if desired. Specific key mappings for Windows/Mac can be adjusted via VIA software.

RGB Lighting Control

The MQ80 features dynamic RGB lighting with 16 million colors and various effects. Lighting can be customized directly on the keyboard or through the VIA software.

- **Changing Lighting Modes:** Use specific Fn key combinations (refer to the keyboard's quick guide or VIA software for exact commands) to cycle through pre-set lighting effects.
- **Adjusting Brightness:** Use Fn + arrow keys (or other designated keys) to increase or decrease RGB brightness.
- **Customization via VIA:** For advanced customization, including per-key RGB, custom effects, and color palettes, download and use the VIA software.

VIA Software Customization

VIA is a powerful tool for personalizing your MQ80 keyboard. It allows you to:

- Remap any key to a different function.
- Create and assign macros for complex key sequences.
- Customize RGB lighting effects, colors, and brightness.
- Manage multiple key layers for different workflows.

To use VIA, connect your keyboard via USB-C and visit the official VIA website for the software download and instructions. No coding is required.

MAINTENANCE

Cleaning Your Keyboard

- **General Cleaning:** Use the provided dusk brush or a soft, lint-free cloth to gently wipe the keycaps and keyboard body. For stubborn dirt, slightly dampen the cloth with water or a mild, non-abrasive cleaner.
- **Between Keycaps:** Use compressed air to remove dust and debris from between the keycaps.
- **Deep Cleaning (Keycaps):** For thorough cleaning, use the keycap puller to carefully remove keycaps. Wash them with mild soap and water, rinse thoroughly, and ensure they are completely dry before reattaching.

Hot-Swappable Switches

The MQ80's hot-swappable design allows for easy switch replacement without soldering.

1. **Removing Switches:** Use the switch puller tool. Gently grip the switch from the top and bottom clips and pull straight up. Avoid wiggling to prevent bending the pins.
2. **Installing Switches:** Align the pins of the new switch with the holes on the PCB. Press down firmly and evenly until the switch clicks into place. Ensure the pins are straight before insertion to avoid damage.

Note: Only use compatible low-profile mechanical switches with the MQ80 keyboard.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Keyboard not responding (Wired)	Loose cable connection; faulty USB port; driver issue.	Ensure USB-C cable is securely connected. Try a different USB port or cable. Restart your computer.
Keyboard not responding (Wireless 2.4GHz)	Receiver not plugged in; keyboard in wrong mode; low battery.	Ensure 2.4G USB receiver is plugged in. Switch keyboard to 2.4G mode. Charge the keyboard.
Keyboard not responding (Bluetooth)	Keyboard not paired; keyboard in wrong mode; Bluetooth off on device; low battery.	Ensure Bluetooth is enabled on your device. Re-pair the keyboard. Switch keyboard to correct Bluetooth channel. Charge the keyboard.
RGB lighting not working or incorrect	Lighting turned off; incorrect mode selected; software conflict.	Check keyboard lighting controls (Fn key combinations). Use VIA software to reset or customize lighting.
Keys not registering or double-typing	Dust/debris under keycap/switch; faulty switch.	Remove keycap and use compressed air. If issue persists, replace the switch using the switch puller.

Problem	Possible Cause	Solution
Poor wireless range or interference	Obstructions; other wireless devices; distance.	Move keyboard closer to receiver/device. Remove obstructions. Minimize interference from other 2.4GHz devices.

SPECIFICATIONS

Feature	Detail
Model Number	MQ80 Low Profile Keyboard
Product Dimensions	12.64 x 4.9 x 1.08 inches (32.1 x 12.4 x 2.7 cm)
Item Weight	2.2 pounds (1 kg)
Connectivity Technology	2.4GHz Wireless, Bluetooth 5.1, USB-C Wired
Keyboard Description	Mechanical
Switches	Kailh POM Gold Red (Low Profile, Hot-Swappable)
Actuation Force	30gf–50gf
Pre-travel	1.2mm
Total Travel	2.8mm
Lifespan	50 Million Keystrokes
Battery Life	Up to 350 hours (without RGB)
Backlighting	RGB (16 million colors)
Special Features	Backlit, Ergonomic, Hot-Swappable, Low-Profile Key, Programmable Keys (VIA Support)
Compatible Devices	Laptop, PC, Tablet (Mac/Windows/Linux)
Manufacturer	IQUNIX

WARRANTY AND SUPPORT

IQUNIX products are designed for durability and performance. For warranty information, technical support, or service inquiries, please visit the official IQUNIX website or contact their customer support directly.

Official IQUNIX Website: www.iqunix.com

For the most up-to-date support resources, FAQs, and driver downloads (including VIA firmware), please refer to the support section of the IQUNIX website.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question