



K70 MAX

Magnetic-Mechanical Gaming Keyboard

REVIEWER'S GUIDE

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PREFACE



This reviewer’s guide will introduce you to the K70 MAX Magnetic-Mechanical Gaming Keyboard, featuring fully adjustable MGX switches, acoustic sound dampening, and dedicated media controls.

Under Embargo Until August 10th, 2023 at 6am PDT, 9am EDT, 2pm GMT, 3pm CET

Imagery and Downloads

CORSAIR Logo Usage Guidelines	https://www.corsair.com/press
Product Assets	Link: https://corsair.mediavalet.com/portals/K70_MAX_PR Password: q3@!70_mx
CORSAIR iCUE Software	https://link.corsair.com/latesticue

Information

Please do not hesitate to reach out to your local PR representative if you:

- Require any additional information about the product
- Encounter any issues during the testing and evaluation process
- Have any questions regarding results or conclusions

Please see the [CONTACTS](#) section to find your local PR representative.

Introduction to the K70 MAX



A legend in customized keyboard performance has emerged: the CORSAIR K70 MAX RGB Magnetic-Mechanical Gaming Keyboard. The entire keyboard is equipped with adjustable CORSAIR MGX switches, enabling you to set every key's actuation point between a super-sensitive 0.4mm and a robust 3.6mm, for a completely custom gaming and typing experience. Enjoy refined gaming as you rest your hands on a cushioned palm rest with plush memory foam. CORSAIR AXON Hyper-Processing Technology registers your keystrokes up to 8x faster than standard gaming keyboards, while powerful iCUE software on PC and macOS enables in-depth customization. The K70 MAX puts you in total control to forge your legacy.

Technical Specifications

FEATURE	DESCRIPTION
Form-Factor	Full-size
Chassis	Aluminum, Space Gray, bead blasted
Keyswitches	CORSAIR MGX, magnetic <ul style="list-style-type: none"> Linear 45g actuation force Actuation point is adjustable from 0.4mm-3.6mm in 0.1mm increments. Default actuation point is 2.0mm. 4.0mm total travel
Backlighting	Individually LED lit and per-key programmable
LED Color	RGB, 16.8 million colors
Keycaps	Available keycaps vary by regional layout SKU: <ul style="list-style-type: none"> PBT double-shot keycap set, 1.5mm thick, backlight compatible Polycarbonate keycap set, backlight compatible
Matrix	Full key rollover (NKRO) with 100% anti-ghosting
Wired Connectivity	USB 3.0 Type-A
USB Report Rate	Up to 8,000Hz hyper-polling with CORSAIR AXON
Onboard Memory	8MB
Onboard Profiles	Up to 50 (depending on complexity)
Onboard Lighting	Up to 20 layers of lighting effects with CORSAIR AXON
Volume Control	Multi-function roller with mute button
Media Keys	Stop, Previous Track, Play/Pause, Next Track buttons
Profile Key	Dedicated button
Brightness Key	Dedicated button
Windows Lock Key	Dedicated button
Adjustable Height	Yes
Device Compatibility	Windows PC, Apple Mac, Xbox One, Xbox Series X S, PlayStation 4, PlayStation 5
iCUE (Software)	Supported in Windows 10, 11, and macOS 10.15+
Cable	1.82m / 6ft, USB Type-C to Type-A, detachable, braided fiber
Dimensions	442(L) x 166(W) x 39.2(H) mm / 17.4(L) x 6.54(W) x 1.54(H) in
Weight	1.39 kg / 3.06 lbs
MSRP	US \$229.99

Key Features

1. **Adjustable Magnetic-Mechanical Switches:** The entire keyboard is equipped with fully adjustable CORSAIR MGX switches, enabling you to set every key's actuation point from a light 0.4mm to a strong 3.6mm in 0.1mm steps, putting you in control for fast keypresses or ultra-accurate typing.
2. **Two Actions for One Keypress:** Dual-point actuation lets you assign two discrete actions to one keypress, giving you the ability to execute instant one-two combos.
3. **CORSAIR AXON Hyper-Processing Technology:** AXON enables premier K70 performance, processing and transmitting inputs up to 8x faster than conventional gaming keyboards with 8,000Hz hyper-polling.*
**8,000Hz hyper-polling is dependent on CPU; older CPUs may experience reduced performance.*
4. **Detachable Magnetic Palm Rest with Memory Foam:** Detachable palm rest with plush memory foam provides utmost comfort during the longest gaming sessions.
5. **Soft, Satisfying Typing Acoustics:** Two layers of sound dampening deliver the satisfying typing sound keyboard enthusiasts crave.
6. **Alluring Etched Aluminum:** A premium aluminum frame with stylized etching offers advanced durability and design.
7. **PBT DOUBLE-SHOT Keycaps with Standard Bottom Row:** A precision-molded keycap set resists wear, fading, and shine, with a striking steel gray aesthetic and 1.5mm thickness for rigid stability.
8. **Always Ready for Competition:** Flip the tournament switch to automatically lock to distraction-free static backlighting and disable macros, and use the detachable USB Type-C cable to easily set up and take your keyboard with you.
9. **Dedicated Media Keys and Volume Roller:** Control your media at the push of a button. The signature aluminum roller smoothly adjusts volume levels and is programmable in iCUE.
10. **Onboard Macro Recording and Profile Storage:** Record macros on-the-fly with a convenient hotkey and save them to FN key combination shortcuts. Save up to 50 onboard profiles with custom macros, actions, and your own uniquely vibrant RGB lighting effects.
11. **Unite Your Setup:** Powerful CORSAIR iCUE software on Windows and macOS unlocks per-key switch adjustments, dynamic RGB lighting control, key remaps, macro programming, and more.

CORSAIR AXON Hyper-Processing Technology Overview



CORSAIR HYPER-PROCESSING TECHNOLOGY

AXON is an embedded onboard system with CORSAIR's purpose-engineered real-time operating system running on a powerful MCU (microcontroller unit) that delivers record-breaking throughput with ultra-low latencies for the ultimate keyboard performance.

HYPER-FAST	MULTI-THREADED	DETERMINISTIC
Highly optimized to process instructions more quickly and efficiently than previous generation keyboards.	Multi-threaded to take full advantage of the MCU and process multiple complex instructions in parallel.	Advanced scheduling algorithm to ensure critical keypresses always get through when they need to.
4,000Hz KEYSCAN	8,000Hz HYPER-POLLING	20-LAYER LIGHTING
Detects keystrokes up to 4x faster than performance gaming keyboards.	Transmits keystrokes to the PC up to 8x faster than performance gaming keyboards.	Plays up to 20 layers of lighting effects onboard and wirelessly.

AXON is the pinnacle of performance architecture designed to provide gamers with the absolute fastest, most responsive, and remarkably capable keyboard experience that:

- **Detects and processes keystrokes hyper-fast**
- **Delivers keystrokes up to 8x faster than other keyboards (via USB wired mode)**
- **Plays up to 20 layers of onboard lighting effects wirelessly**

AXON can DO IT ALL and DO IT FASTER without skipping a beat.

By default, polling is set to 1,000Hz to ensure out-of-the-box compatibility with older PCs. To enable 8,000Hz or other polling rates, see [DEVICE SETTINGS](#) in iCUE.

Hardware Overview




Factory Reset

Hold the ESC key while plugging in the USB Type-C cable, then release the ESC key after two seconds. The keyboard will then power on normally and be reset to factory defaults.

Setup and System Requirements

The keyboard can connect to supported devices:

- USB wired 



	OS		iCUE	POLLING
PC	Windows 10, 11	USB 3.0+	✓	Up to 8,000Hz
Mac	macOS 10.15+			
Xbox One, Series X S*	-		-	Up to 1,000Hz
PlayStation 4, 5	-			

*www.corsair.com/xbox-support

Operating Modes

The keyboard features two operating modes:

1. **Hardware Mode** – When iCUE is not running or the keyboard is connected to a device that does not support iCUE
2. **Software (S/W) Mode** – When iCUE is running on a PC or Mac and the keyboard is connected via USB wired

FUNCTION	HARDWARE MODE	SOFTWARE MODE
Storage & Profiles	8MB for up to 50 profiles* 	Unlimited
Create New Profiles	Created in iCUE, then saved onboard	✓
Adjust Predefined Effects	✓	✓
Create Lighting Effects	Created in iCUE, then saved onboard	✓
Maximum Lighting Layers	Up to 20* 	Unlimited

*Depends on complexity and extent of programming

Shortcut Buttons



- a. Profile – Cycles through available profiles
- b. RGB – Adjusts RGB backlighting brightness in 20% increments
- c. Win Lock – Toggles Win Lock on and off



- d. Volume Mute
- e. Volume Roller
- f. Stop
- g. Previous Track
- h. Play / Pause
- i. Next Track

Tournament Switch



K70 MAX comes equipped with a switch that allows you to put the keyboard into Tournament Mode. When you enable Tournament Mode:

- The backlighting of K70 MAX changes to a static color to reduce distraction during gameplay
- Custom actions and macros are disabled so you do not accidentally activate them during gameplay
- Changes the profile in use to that of a basic standard keyboard profile

Software Configuration

CORSAIR iCUE Software – Unite Your Setup

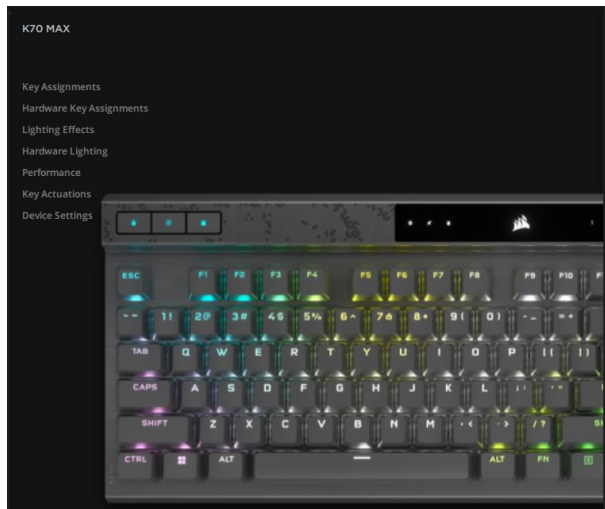


The K70 MAX Magnetic-Mechanical is the latest keyboard to launch with the next generation of iCUE software featuring a brand-new UI that makes it easier than ever to take advantage of the software's powerful features to program your keyboard and synchronize your setup's RGB lighting effects.

You have carefully selected your parts and put your custom PC setup together – now bring it to life. CORSAIR iCUE software unlocks nearly endless customization of all compatible CORSAIR RGB devices, letting you orchestrate a fully synchronized spectacle. Customize every detail to create your own unique interactive light show that is bound to leave a lasting impression. Choose from dozens of presets or download thousands of community created profiles. Exclusive iCUE game integrations turn up the immersion by making your entire setup dynamically react to in-game actions and events when playing compatible games. Whether you have one compatible product or dozens, CORSAIR iCUE software unites your setup.

To download the version of iCUE required to evaluate this product prior to launch, please see the [Imagery and Downloads](#) section.

iCUE Home and Device Screen



When you first open iCUE, you will see a new device tile for K70 MAX (left). Clicking the device tile will provide you options to start programming for:

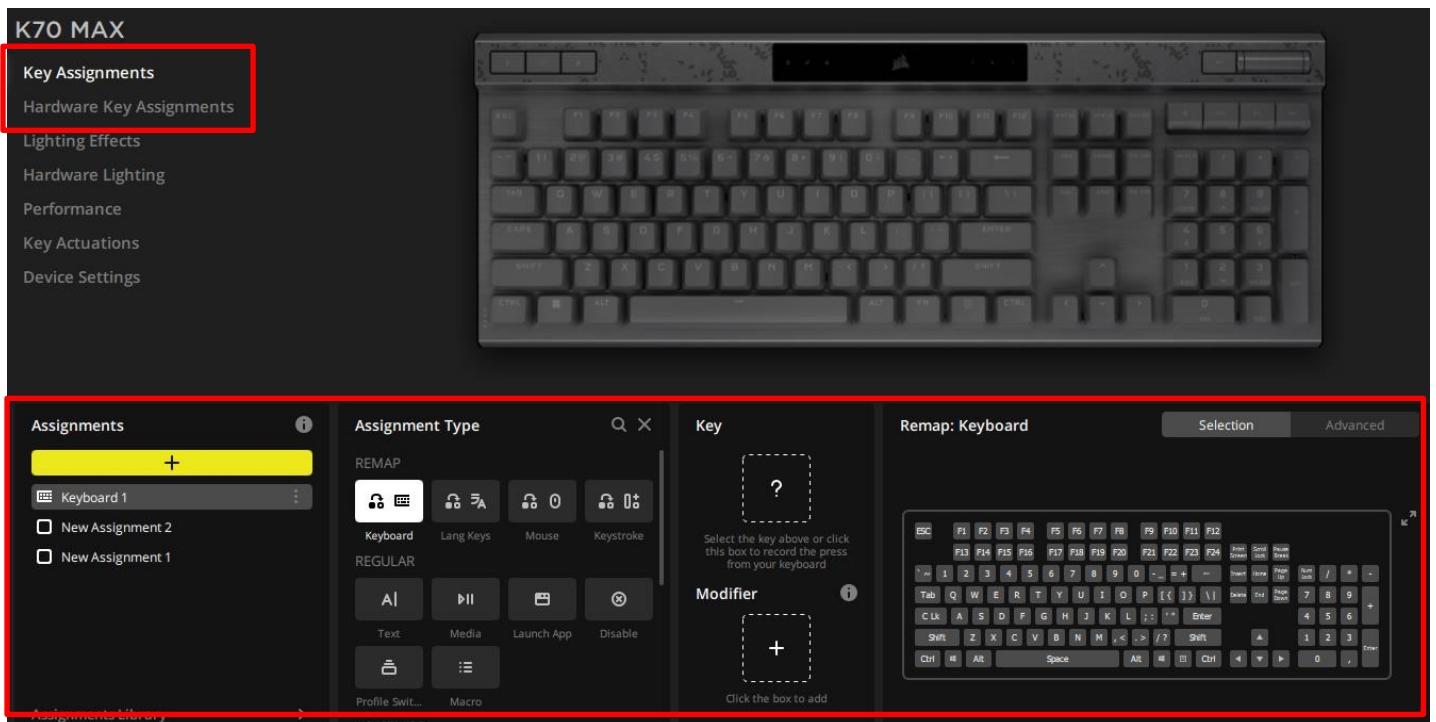
- Key Assignments
- Hardware Key Assignments
- Lighting Effects
- Hardware Lighting
- Performance
- Key Actuations
- Device Settings

If you see an update notification at the bottom of the iCUE window, please click to update firmware to the latest version.

Key Assignments

The Key Assignments tab allows you to easily remap keys or assign new functions to keys on the software profile.

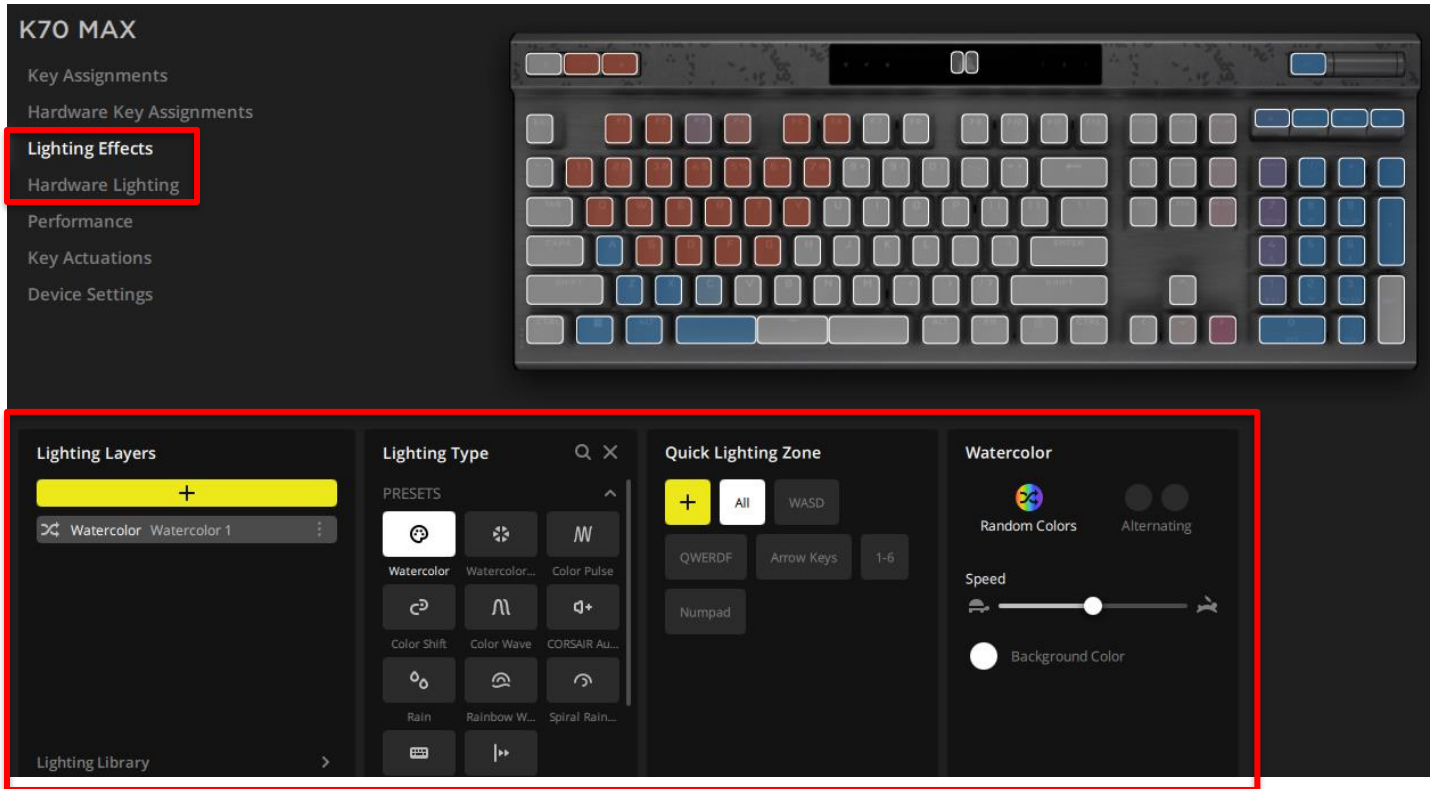
Use the Hardware Key Assignments tab to assign new functions to keys on the hardware profile.



Lighting Effects

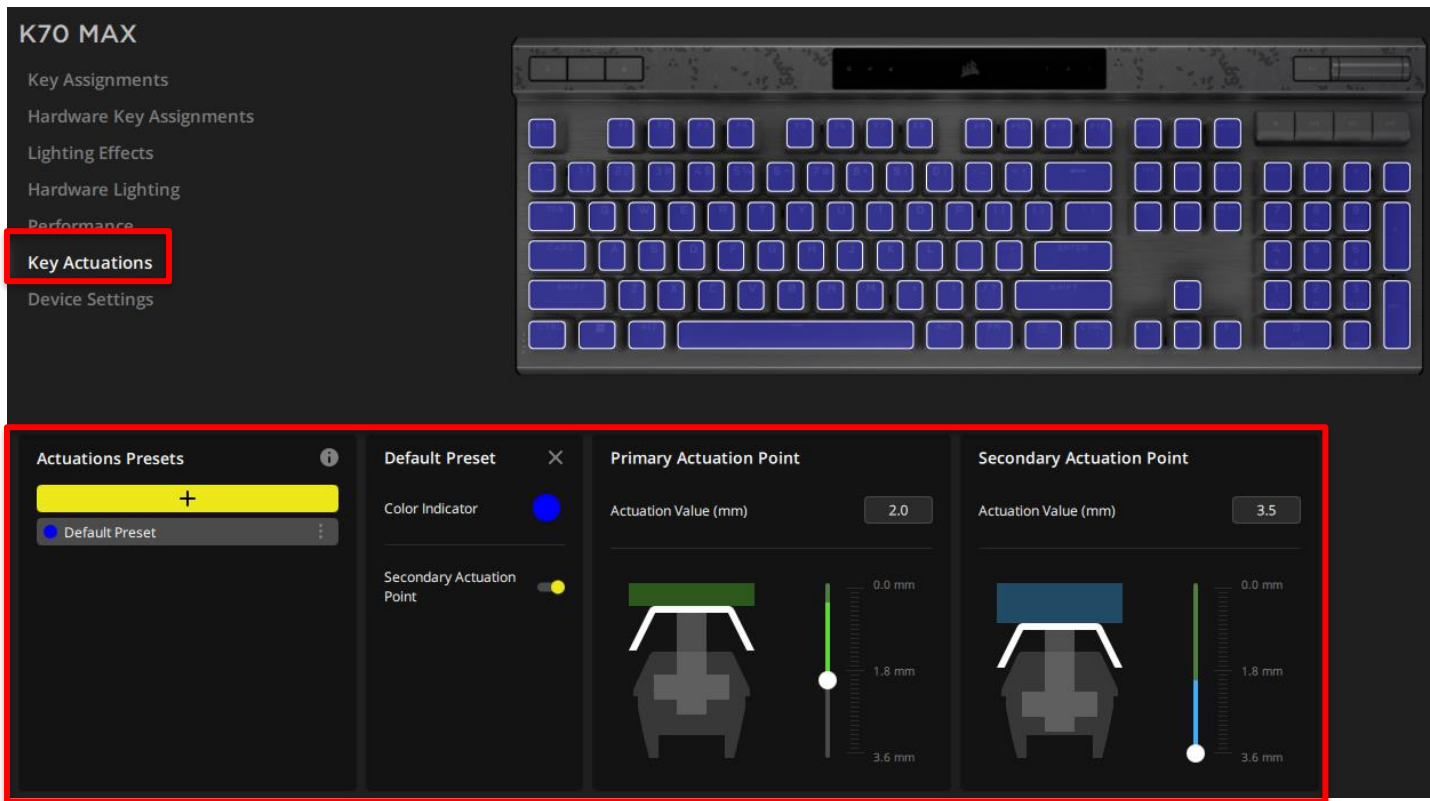
The Lighting Effects tab allows you to program lighting effects on the software profile.

Use the Hardware Lighting tab to program lighting effects on the hardware profile.



Key Actuations

The Key Actuations tab is where you can adjust the actuation point of MGX magnetic switches. Default setting is 2.0mm and you can adjust from a range between 0.4mm – 3.6mm. Here you will also find a setting to enable secondary actuation points which allow for advanced two-in-1 keypress combos.

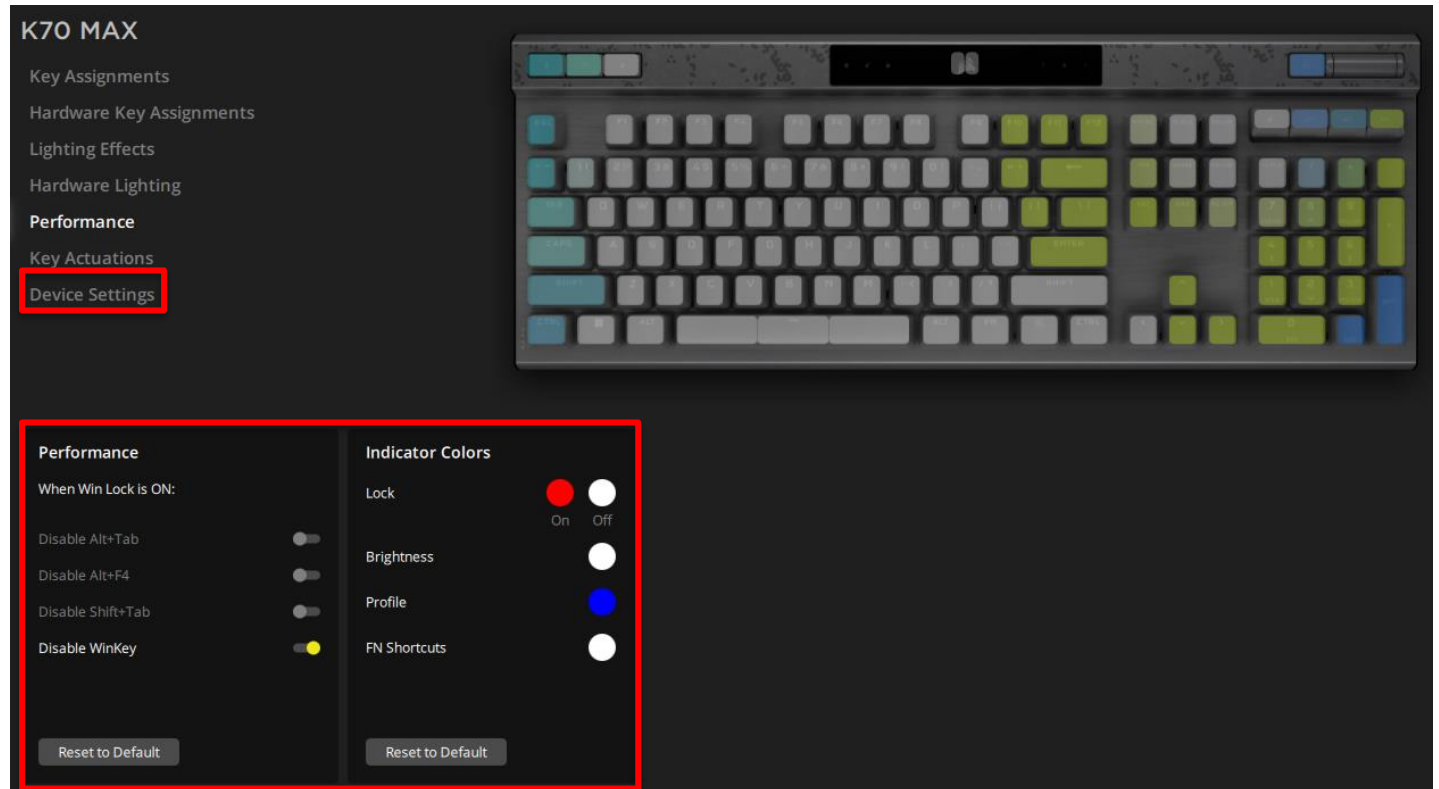


Here is an example of how you would configure actuation points to best handle various scenarios. We highly recommend users to tweak and experiment to find the best setup to suit their preferences.

Usage	Actuation Value	Benefit
Competitive gaming	1.0mm	Enables faster and more responsive inputs.
General use	2.0mm	A good middle ground between speed and accuracy. This is the default setting.
Typing	3.0mm	Reduces the likelihood of accidental keypresses.

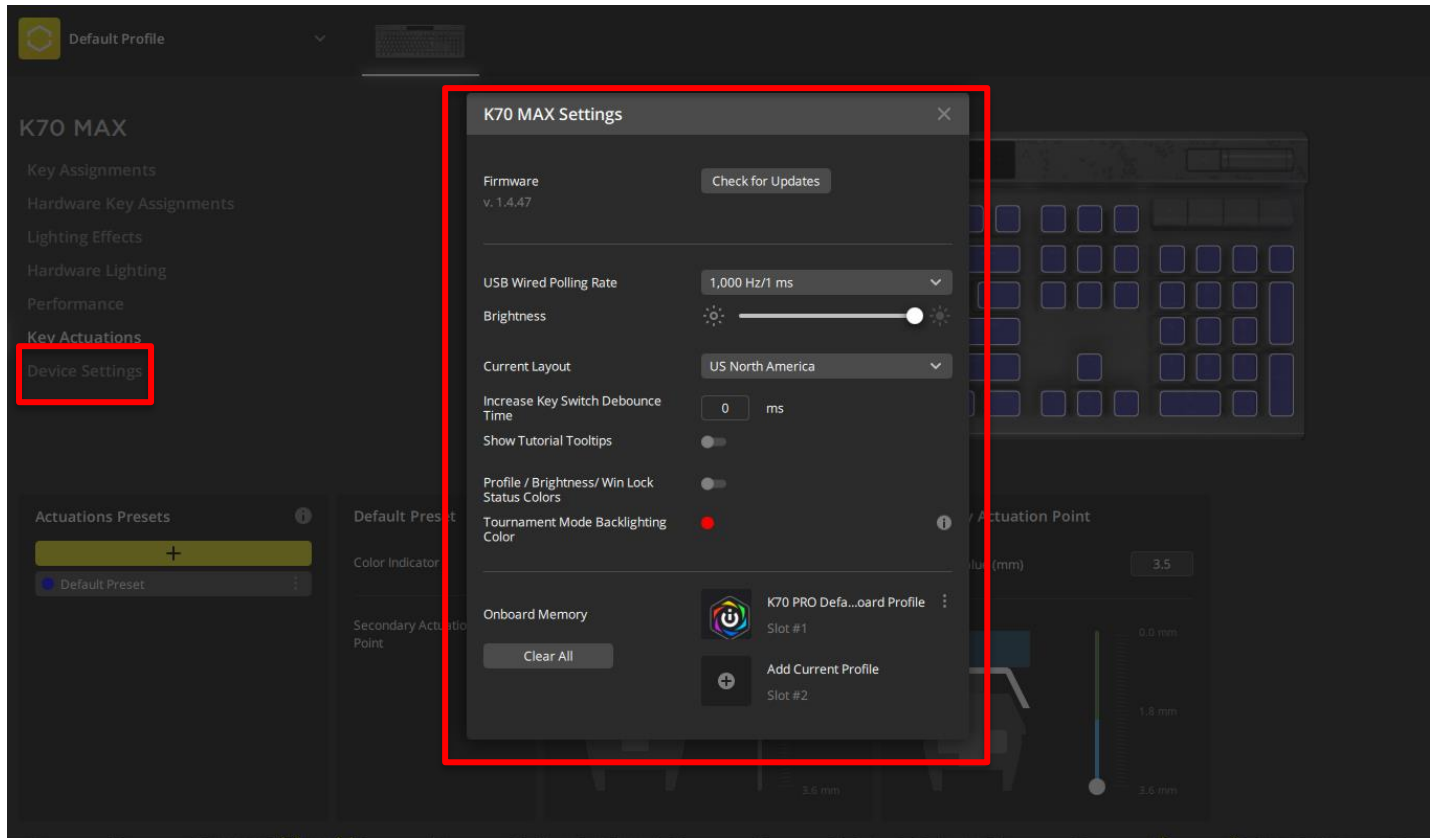
Performance

The Performance tab allows you to enable/disable shortcuts and customize indicator colors.



Device Settings

The Device Settings tab allows you to change advanced settings, adjust the polling rate, and update the firmware.



Pricing

	United States	Canada	Europe	UK	Nordics
MSRP	\$229.99	CAD 329.99	€ 229.99	€ 219.99	€ 2,590.00

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