

- › [ATTACK SHARK](#) /
- › [ATTACK SHARK MAMBASNAKE X60 HE Mechanical Gaming Keyboard User Manual](#)

ATTACK SHARK X60 HE

ATTACK SHARK MAMBASNAKE X60 HE Mechanical Gaming Keyboard User Manual

Rapid Trigger Magnetic Switch 60% RGB Wireless Mechanical Gaming Keyboard

1. INTRODUCTION

This manual provides detailed instructions for the setup, operation, and maintenance of your ATTACK SHARK MAMBASNAKE X60 HE Mechanical Gaming Keyboard. Please read this manual thoroughly to ensure optimal performance and longevity of your device.



Image 1.1: The ATTACK SHARK MAMBASNAKE X60 HE Mechanical Gaming Keyboard, showcasing its compact 60% layout and vibrant RGB backlighting.

2. SETUP AND CONNECTIVITY

The MAMBASNAKE X60 HE keyboard supports three connection modes: wired, 2.4GHz wireless, and Bluetooth. Choose the mode that best suits your needs.

2.1 Package Contents

- ATTACK SHARK MAMBASNAKE X60 HE Keyboard
- USB-C to USB-A Cable
- 2.4GHz USB Receiver
- Keycap / Switch Pulling Tool
- User Manual (this document)

2.2 Triple Mode Connection

Your keyboard offers versatile connectivity options:

- **Wired Mode:** Connect the keyboard directly to your computer using the provided USB-C cable. This mode offers an 8000Hz polling rate and 0.1ms latency for competitive gaming.
- **2.4GHz Wireless Mode:** Insert the 2.4GHz USB receiver into an available USB port on your computer. The keyboard will automatically connect. This mode provides a 1000Hz polling rate.
- **Bluetooth Mode:** The keyboard can pair with up to three Bluetooth-enabled devices simultaneously. Refer to the operating instructions for pairing details. This mode also provides a 1000Hz polling rate.



Image 2.1: Illustration of the keyboard's triple-mode connectivity, highlighting wired, 2.4G wireless, and Bluetooth options.

2.3 Web Driver Installation

For advanced customization, access the web driver at qmk.top. No software download is required. This web-based tool allows you to configure key functions, macros, RGB lighting, and more.

3. OPERATING INSTRUCTIONS

3.1 Basic Key Functions

The X60 HE features a compact 61-key ANSI layout. Many functions are accessed via the **FN** key combined with other keys.

- **FN + TAB:** Toggles between function key mode (F1-F12) and numpad mode for the number row.
- **FN + Right Ctrl:** Checks the current battery level.
- Other FN combinations for multimedia, lighting, and system controls are detailed in the web driver interface.

3.2 Advanced Customization (Web Driver)

The web driver at qmk.top provides extensive customization options:

- **Key Remapping:** Reassign individual keys to different functions.
- **Macros:** Create and assign complex sequences of keystrokes.
- **RGB Lighting:** Customize the 16.8 million color RGB lighting, including 21 backlit modes and 9 light colors.
- **Dynamic Keystroke (DKS):** Assign multiple functions to a single key based on press duration.
- **Mod-Tap (MT):** Allows a key to act as a modifier when held and a regular key when tapped.
- **Toggle (TGL):** Toggles a function on or off with a single key press.
- **Snap Key:** Advanced key behavior for rapid input.

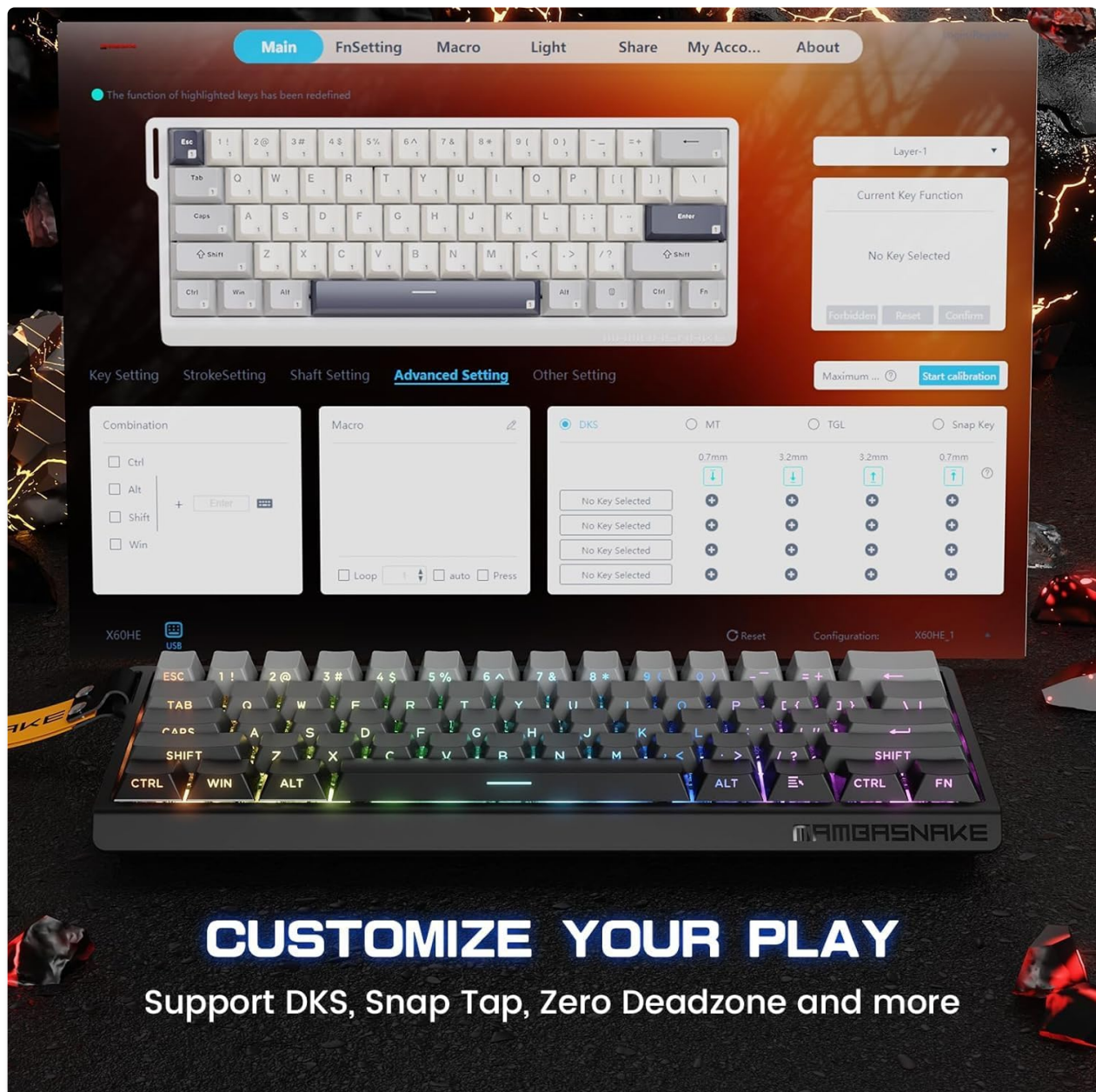


Image 3.1: The web driver interface, demonstrating options for key remapping, macros, and advanced settings like DKS and Snap Key.

3.3 Rapid Trigger and Adjustable Actuation

The keyboard features Hall Effect Magnetic Switches with Rapid Trigger technology, allowing for precise and immediate key response.

- **0.01mm RT Accuracy:** Eliminates physical input delay for ultra-fast reactions.
- **Adjustable Actuation:** Customize the actuation point of each switch from 0.1mm to 3.4mm via the web driver to match your preferred typing or gaming style.

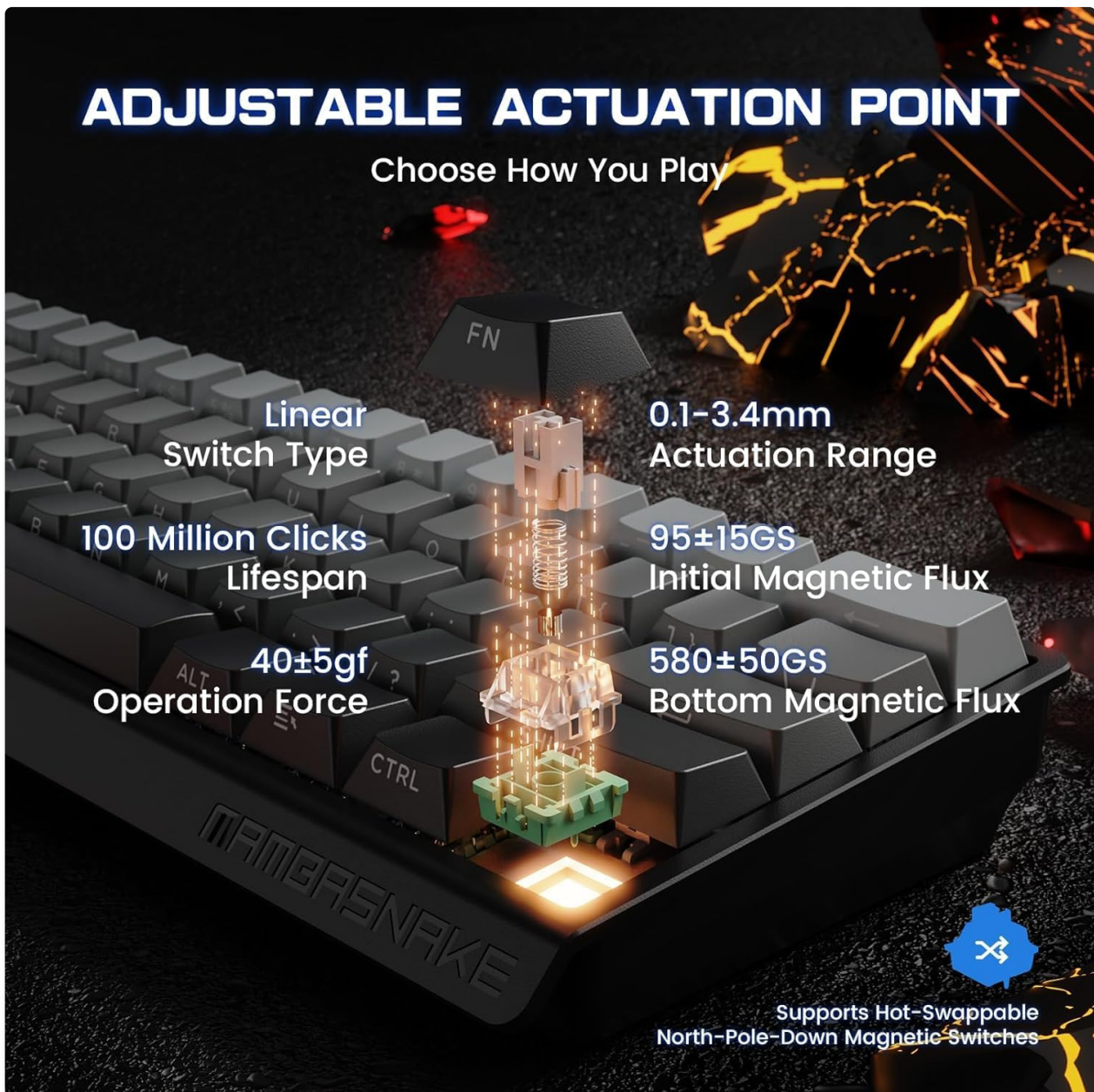


Image 3.2: A detailed view of the magnetic switch mechanism, illustrating the adjustable actuation range and key specifications.

3.4 Polling Rate and Latency

- **Wired Mode:** 8000Hz polling rate, 0.1ms latency.
- **Wireless Modes (2.4GHz & Bluetooth):** 1000Hz polling rate.



Image 3.3: Visual representation of the keyboard's high performance metrics, including 0.1ms wired latency and 128K ultra-high scanning.

4. MAINTENANCE

4.1 Battery Management

The keyboard is equipped with a 4000mAh high-capacity battery for extended use.

- **Battery Check:** Press **FN + Right Ctrl** to check the current battery level.
- **Low Battery Indicator:** The space bar will flash when the battery is low, indicating it's time to recharge.
- **Smart Sleep Mode:** The keyboard features a smart sleep mode to conserve power. The sleep time can be adjusted via the web driver.
- **Charging:** Connect the keyboard via the USB-C cable to charge.

4.2 Cleaning and Care

- Use a soft, dry cloth to clean the keyboard surface.
- For deeper cleaning, use the provided keycap puller to remove keycaps and clean underneath.

- Avoid using harsh chemicals or abrasive materials.

4.3 Construction and Sound Dampening

The keyboard is built with a durable metal positioning plate, double PO cotton, and a thick silicone bottom to provide a stable and acoustically pleasing typing experience, minimizing hollow echoes.



Image 4.1: An exploded diagram illustrating the internal components of the keyboard, including the PBT keycaps, aluminum alloy plate, PORON foam, PCB, and battery.

5. TROUBLESHOOTING

5.1 Connectivity Issues

- **2.4GHz Wireless:** Ensure the USB receiver is securely plugged in and the keyboard is in 2.4GHz mode.
- **Bluetooth:** Verify Bluetooth is enabled on your device and the keyboard is in pairing mode. Try re-pairing if connection is lost.
- **Wired:** Check the USB-C cable connection at both ends. Try a different USB port or cable if necessary.

5.2 Polling Rate Discrepancy

Note that the 8000Hz polling rate is only available in wired mode. In 2.4GHz wireless and Bluetooth modes, the polling rate is 1000Hz. This is expected behavior and not a malfunction.

5.3 Keyboard Not Responding

- Check battery level (FN + Right Ctrl). Recharge if low.
- Ensure the correct connection mode is selected.
- Restart your computer and the keyboard.

6. SPECIFICATIONS

Feature	Detail
Model	MAMBASNAKE X60 HE
Keyboard Type	60% Mechanical Gaming Keyboard
Switches	Hall Effect Magnetic Switches
Connectivity	USB-C Wired, 2.4GHz Wireless, Bluetooth (Triple Mode)
Polling Rate	8000Hz (Wired), 1000Hz (Wireless/Bluetooth)
Actuation Accuracy	0.01mm RT Accuracy
Adjustable Actuation	0.1mm - 3.4mm
Latency	0.1ms (Wired)
Backlighting	RGB (16.8 million colors, 21 modes, 9 colors)
Keycaps	PBT, Side-Printed Luminous Letters
Battery Capacity	4000mAh
Compatible Devices	PC/Mac/Laptop
Dimensions	13.11 x 6.65 x 2.17 inches
Item Weight	2.03 pounds
Material	Metal, Cotton

7. PRODUCT OVERVIEW VIDEO

Your browser does not support the video tag.

Video 7.1: An official overview of the ATTACK SHARK MAMBASNAKE X60 HE RT Mechanical Gaming Keyboard, highlighting its key features and performance capabilities.

Related Documents - X60 HE

	<p>Attack Shark X68 HE Gaming Keyboard User Manual</p> <p>Comprehensive user manual for the Attack Shark X68 HE gaming keyboard, detailing its features, setup, and customization options including rapid trigger, magnetic switches, and RGB lighting.</p>
	<p>Attack Shark K85 Mechanical Keyboard User Manual</p> <p>User manual for the Attack Shark K85 mechanical keyboard, detailing its magnetic switches, rapid trigger functionality, adjustable trigger points, and technical specifications.</p>
	<p>Attack Shark AKS068 Wired Mechanical Gaming Keyboard User Manual</p> <p>Comprehensive user manual for the Attack Shark AKS068 wired mechanical gaming keyboard. Learn about its 65% Alice layout, hot-swappable switches, gasket mount, RGB backlighting, VIA programmability, and compatibility with Windows and macOS.</p>
	<p>ATTACK SHARK X68MAX Gaming Keyboard User Manual</p> <p>Official user manual for the ATTACK SHARK X68MAX gaming keyboard, detailing setup, features, software customization, and troubleshooting. Learn about Rapid Trigger, aluminium construction, and RGB lighting.</p>
	<p>Attack Shark R3 Gaming Mouse User Manual and Specifications</p> <p>Official user manual for the Attack Shark R3 ultra-light gaming mouse. Learn about package contents, setup, software, specifications, and troubleshooting for your R3 mouse.</p>
	<p>ATTACK SHARK X3PRO Gaming Mouse User Manual</p> <p>Official user manual for the ATTACK SHARK X3PRO ultra-light gaming mouse, featuring 8K polling rate. Learn about setup, specifications, features, software customization, and troubleshooting.</p>