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› [ATTACK SHARK X820 Ultra 75% Wireless Gaming Mechanical Keyboard User Manual](#)

## ATTACK SHARK X820Ultra

# ATTACK SHARK X820 Ultra 75% Wireless Gaming Mechanical Keyboard User Manual

Model: X820Ultra

## INTRODUCTION

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The ATTACK SHARK X820 Ultra is a 75% layout wireless mechanical keyboard designed for gaming and productivity. It features a gasket-mounted structure, hot-swappable switches, dynamic RGB backlighting, and a smart TFT display. This manual provides detailed instructions for setting up, operating, and maintaining your keyboard.

## SETUP

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### Package Contents

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

- X820 Ultra Keyboard
- USB-C Cable
- 2-in-1 Key Puller
- User Manual
- ATTACK SHARK Mascot Stickers (x2)
- Spare Switches (x2)
- 2.4GHz Wireless Receiver



## Package List

1. Packaging Box
2. X820 Ultra keyboard
3. Keyboard Cover
4. 2 Spare Switches
5. 2-in-1 Key Puller
6. Manual
7. 2.4Ghz Wireless Receiver

Image: Contents of the ATTACK SHARK X820 Ultra keyboard package.

## Connectivity Modes

The X820 Ultra supports three connection modes: 2.4GHz wireless, Bluetooth 5.1, and wired USB-C. A switch on the back of the keyboard allows you to select the desired mode.

- **2.4GHz Wireless:** For ultra-low latency connection, ideal for gaming. Insert the 2.4GHz receiver into your device's USB port.
- **Bluetooth 5.1:** For multi-device multitasking. Pair with up to three devices.
- **Wired USB-C:** For zero-delay gaming and charging. Connect the provided USB-C cable to the keyboard and your device.



## Tri-Modes Connection

Image: Diagram illustrating the three connectivity modes: 2.4GHz wireless, Bluetooth, and wired USB-C.

## Operating System Compatibility

The keyboard supports both Windows and macOS. Use the dedicated switch on the back of the keyboard to toggle between Win and Mac modes for optimal key mapping.

## Battery Information

The X820 Ultra is equipped with a 4000mAh battery, providing extended usage. The smart TFT display shows the current battery level. Charge the keyboard using the provided USB-C cable.



Image: Visual representation of the keyboard's 4000mAh battery and how to check its status.

## OPERATING INSTRUCTIONS

### Smart TFT Display & Control Knob

The keyboard features a vivid TFT smart screen and a precision metal control knob for real-time adjustments and information display.

- **Information Display:** The screen shows RGB settings, OS modes, battery status, date, and connection status.
- **Volume Control:** Press the Fn key and rotate the knob to adjust volume up or down.
- **Menu Navigation:** Rotate the knob to select menu options. Short press the knob to confirm selections.



Image: Close-up of the multi-function CNC knob and its controls for volume and menu navigation.



Image: Detailed view of the TFT smart screen displaying various settings and custom images.

## RGB Lighting

The X820 Ultra features dynamic RGB lighting with 16.8 million colors and over 19 lighting presets. South-facing LEDs ensure vibrant and even backlighting.

- Adjust lighting effects, colors, and intensity via the control knob or the web driver software.
- Press Fn + \ to cycle through lighting modes.
- Press Fn + Enter to change lighting colors.

## Keycaps and Switches

The keyboard comes with premium double-shot PBT keycaps and hot-swappable sockets, compatible with 3-pin or 5-pin mechanical switches. It includes custom linear switches:

- **Gift Switch:** 45g actuation, 60g bottom-out, 2.0mm pre-travel. Provides balanced tactile feedback with a deeper sound.
- **Shark Switch:** 42g actuation, 48g bottom-out. Offers lighter actuation with a crisp sound.



Image: Illustration of the hot-swappable switch feature, showing how switches can be easily removed and replaced.



Image: Diagram detailing the specifications of the Gift Switch and Shark Switch linear mechanical switches.

## Gasket Structure

The keyboard is built with a soft gasket-mounted structure, combining a 1.2mm FR4 fiberglass dual-layer PCB with individual switch slots. This design, along with PORON foam, IXPE pad, PET sheet, DEPDM, and molded silicone, provides a deeper sound, softer touch, and enhanced typing feedback.

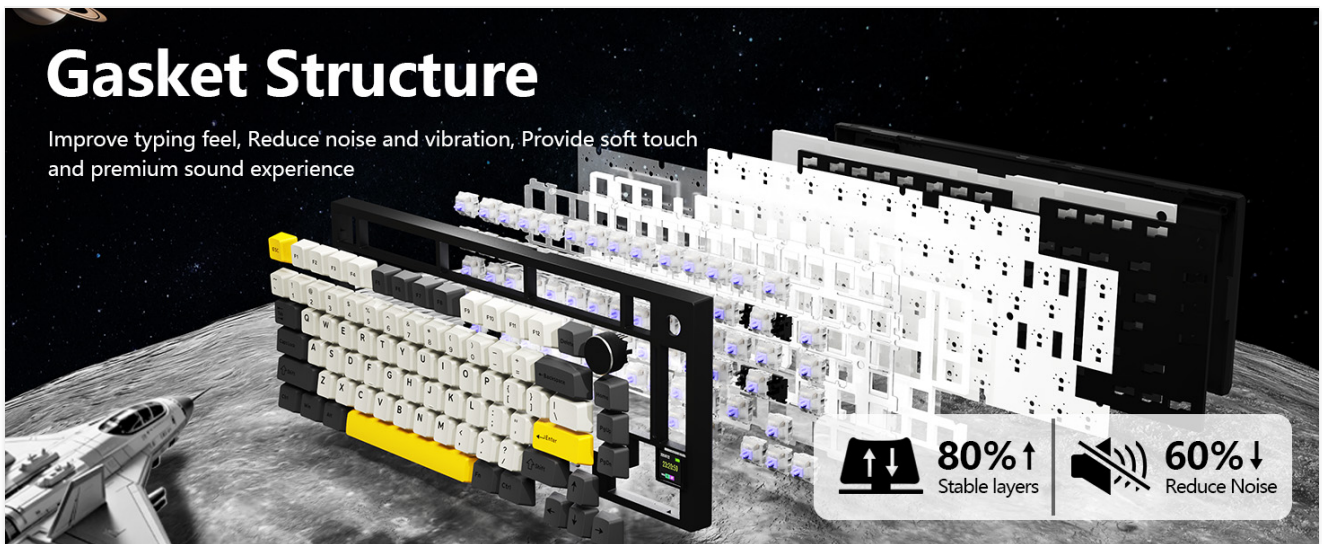


Image: Exploded view of the keyboard's internal gasket structure and acoustic dampening layers.

## Web Driver & QMK Support

Customize macros, lighting, and key remapping directly through your browser using the cloud driver. Full QMK web driver support is available at [qmk.top](https://qmk.top) for deeper customization.

# Programmable Web Software

Remap Keys



Macro Editing



RGB Design



web driver: qmk.top  
Download from [bit.ly/X820SOFTWARE](https://bit.ly/X820SOFTWARE)

Image: Screenshots of the web-based software interface for customizing keyboard settings, macros, and lighting.

## MAINTENANCE

### Cleaning

To clean your keyboard, power it off and disconnect it from your device. Use a soft, dry cloth to wipe the surface. For deeper cleaning, use the provided key puller to remove keycaps and clean underneath with compressed air or a small brush. Avoid using harsh chemicals or abrasive materials.

### Switch and Keycap Replacement

Thanks to the hot-swappable design, you can easily replace switches and keycaps. Use the included 2-in-1 key puller to carefully remove keycaps and switches. Ensure replacement switches are compatible (3-pin or 5-pin mechanical switches) and insert them gently until they click into place.

## TROUBLESHOOTING

- **Keyboard not responding:** Ensure the keyboard is charged and the correct connectivity mode (2.4G, BT, or USB) is selected via the switch on the back. For wireless modes, check if the receiver is properly inserted or if Bluetooth is paired.
- **RGB lighting not working:** Check lighting settings via the control knob or web driver. Ensure the keyboard is not in a low-power state.
- **Keys not registering:** If specific keys are not working, try replacing the switch using the hot-swappable feature. Ensure the switch is fully seated.
- **Connectivity issues:** For 2.4G, try moving the receiver closer to the keyboard. For Bluetooth, ensure your device's Bluetooth is enabled and the keyboard is paired. Try re-pairing if issues persist.

## SPECIFICATIONS

Brand	ATTACK SHARK
Model Name	ATTACK SHARK X820Ultra
Keyboard Description	Mechanical
Layout	75% (81 keys + 1 knob)

<b>Connectivity</b>	Tri-Mode (BT 5.1 / 2.4GHz Wireless / USB-C Wired)
<b>Battery Capacity</b>	4000mAh
<b>Special Features</b>	Backlit, Customizable Display Keys, Ergonomic, Hot-Swappable, Portable, Smart TFT Display, Metal Control Knob
<b>Switches</b>	Gift Switch (Linear), Shark Switch (Linear)
<b>Keycap Material</b>	PBT (Double-shot)
<b>Gasket Structure</b>	Yes, with advanced acoustic tuning (PORON foam, IXPE pad, PET sheet, DEPDM, molded silicone)
<b>Compatibility</b>	Windows, macOS



Image: Diagram showing the 75% layout and dimensions of the ATTACK SHARK X820 Ultra keyboard.

## OFFICIAL PRODUCT VIDEO

Your browser does not support the video tag.

Video: Official product overview of the ATTACK SHARK X820 Ultra Wireless Gaming Mechanical Keyboard, highlighting its features and design.

## WARRANTY AND SUPPORT

For warranty information, please refer to the documentation included with your purchase or visit the official ATTACK SHARK website. If you encounter any issues or require technical assistance, please contact ATTACK SHARK customer support through their official channels.