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› [ATTACK SHARK](#) /

› ATTACK SHARK X820 Ultra Mechanical Keyboard User Manual

ATTACK SHARK X820Ultra

ATTACK SHARK X820 Ultra Mechanical Keyboard User Manual

Model: X820Ultra

INTRODUCTION

This manual provides detailed instructions for the setup, operation, maintenance, and troubleshooting of your ATTACK SHARK X820 Ultra 75% Wireless Gaming Mechanical Keyboard. Please read this manual thoroughly before using the product to ensure optimal performance and longevity.



Image: The ATTACK SHARK X820 Ultra mechanical keyboard, showcasing its 75% layout, RGB backlighting, smart TFT display, and metal control knob. An astronaut figure is visible in the background.

PACKAGE CONTENTS

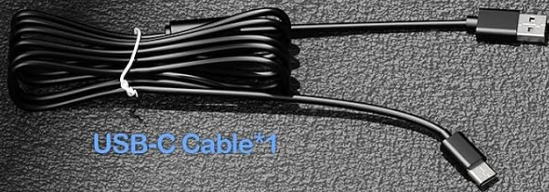
Verify that all items are present in the package:

- ATTACK SHARK X820 Ultra Keyboard
- USB-C Cable
- 2-in-1 Key Puller (for keycaps and switches)
- User Manual
- ATTACK SHARK Mascot Stickers
- Spare Switches (2 pieces)
- 2.4GHz Wireless Receiver (dongle)

PACKAGE LIST



X820Ultra Keyboard*1



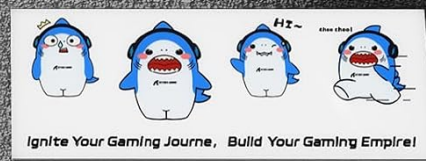
USB-C Cable*1



2-in-1 Key Puller*1



User Manual*1



ATTACK SHARK Mascot Stickers*2



Switches*2

Image: A visual representation of all items included in the ATTACK SHARK X820 Ultra keyboard package, including the keyboard, USB-C cable, key puller, user manual, stickers, and spare switches.

SETUP

1. **Charging the Keyboard:** Connect the provided USB-C cable to the keyboard's USB-C port and the other end to a USB power source (e.g., computer, wall adapter). The keyboard can be used while charging.
2. **Adjusting Keyboard Feet:** The keyboard features two-level adjustable feet on the underside. Flip them out to achieve your preferred typing angle.



Image: Close-up view of the keyboard's underside, showing the two-level adjustable feet and anti-slip pads for stable placement.

3. **Selecting Operating System Mode:** On the back of the keyboard, locate the switch to select between Windows (Win) and macOS (Mac) modes. Ensure the correct mode is selected for your operating system.
4. **Selecting Connection Mode:** On the back of the keyboard, locate the 3-mode switch for 2.4G, USB, and BT (Bluetooth). Select your desired connection method.

OPERATING INSTRUCTIONS

Connectivity Modes

The ATTACK SHARK X820 Ultra supports three connection modes:

- **2.4GHz Wireless (FN+4):**

Insert the 2.4GHz wireless receiver (dongle) into an available USB port on your computer. Switch the keyboard's mode selector to "2.4G". The keyboard should connect automatically. The 2.4G receiver can be stored in a dedicated slot on the keyboard's underside when not in use.



Image: The ATTACK SHARK X820 Ultra keyboard displaying its three connectivity modes: wired, Bluetooth, and 2.4GHz wireless, along with the USB-C cable and 2.4G dongle.

- **Bluetooth 5.1 (FN+1/2/3):**
Switch the keyboard's mode selector to "BT". Press **FN+1**, **FN+2**, or **FN+3** to select a Bluetooth channel. The keyboard will enter pairing mode. On your device, search for "ATTACK SHARK X820 Ultra" and connect. You can pair up to three Bluetooth devices.
- **Wired USB-C:**
Connect the keyboard to your computer using the provided USB-C cable. Switch the keyboard's mode selector to "USB". The keyboard will function as a wired device.

Smart TFT Display & Metal Control Knob

The keyboard features a smart TFT display and a multi-function metal knob for real-time control and status updates.

- **Volume Control:** Press **FN + Knob**, then scroll the knob to adjust volume up or down.
- **Menu Navigation:** Rotate the knob to navigate through menu pages on the TFT display. Short press the knob to confirm selections.
- **Display Information:** The TFT screen can show RGB settings, OS modes, battery level, date, time, and connection status. It also supports custom GIFs or images.

KNOB DESIGN & TFT SCREEN

Instant mode change with clear status display



Image: A detailed view of the keyboard's smart TFT display and metal knob, illustrating how to adjust volume and navigate menu options for settings like lighting effects and connection mode.

Dynamic RGB Lighting

Customize your typing experience with 16.8 million colors and over 19 lighting presets.

- **Turn On/Off RGB:** Press **FN + [key]** (refer to keyboard legend for specific key, often a dedicated lighting key or a combination like FN+DEL).
- **Change Color:** Press **FN + Enter** to cycle through colors.
- **Custom Light Effects:** Adjust effects via the knob or the web driver. South-facing LEDs ensure vibrant backlighting.



Image: The ATTACK SHARK X820 Ultra keyboard illuminated with dynamic RGB backlighting, highlighting various lighting effects and control options.

Hot-Swappable Switches

The X820 Ultra features hot-swappable sockets, allowing you to change mechanical switches without soldering. It supports both 3-pin and 5-pin mechanical switches.

- **Removing Switches:** Use the provided 2-in-1 key puller to carefully remove the keycap, then use the switch puller end to gently extract the switch.
- **Installing Switches:** Align the pins of the new switch with the holes on the PCB. Press down gently until the switch clicks into place. Ensure pins are not bent.

HOT SWAPPABLE PCB

Supports 3/ 5-pin mechanical switches



Pre-Lubed Linear Switch



Hot-Swap Socket

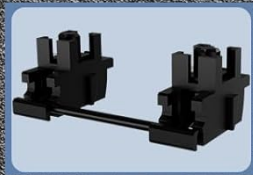


Plate-Mounted Stabilizers



Image: An exploded view illustrating the hot-swappable PCB, pre-lubed linear switches, hot-swap sockets, and plate-mounted stabilizers of the ATTACK SHARK X820 Ultra keyboard.

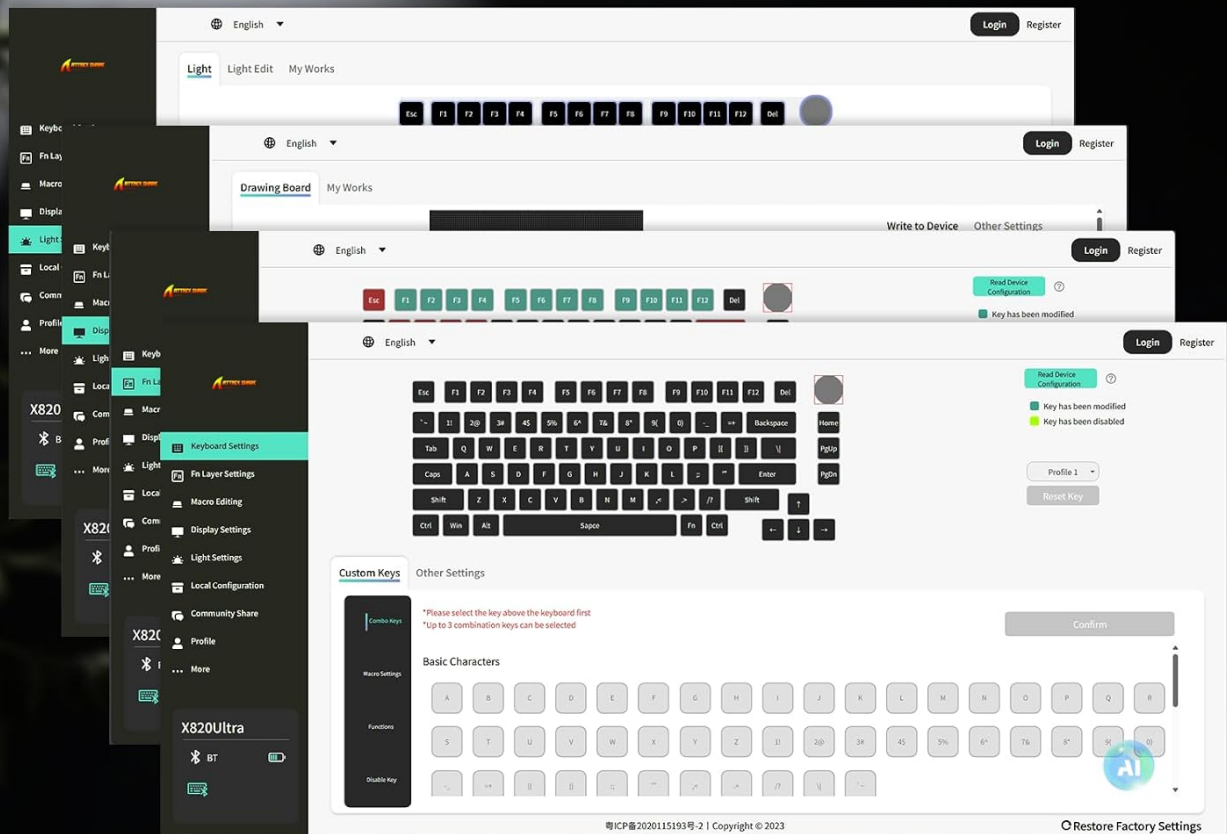
Web Driver Customization (QMK Support)

The keyboard supports a cloud-based web driver for advanced customization without software installation. Full QMK web driver support is available at qmk.top.

- **Accessing the Web Driver:** Open your web browser and navigate to the provided web driver URL (check the official product page or included documentation for the exact link, or use qmk.top).
- **Functions:** Use the web driver to adjust macros, lighting, DPI (if applicable), and key remapping.

INNOVATIVE WEB DRIVER

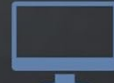
No Download Needed – Use Directly in Browser



Macro Editing



Remap Keys



Screen Sync



Gif Upload

Image: A screenshot of the innovative web driver interface, demonstrating its capabilities for macro editing, key remapping, and screen synchronization without requiring software downloads.

Battery Management

The keyboard is equipped with a 4000mAh battery.

- **Checking Battery Level:** Long press **FN + Backspace** to display the current battery level on the TFT screen.
- **Charging:** Connect the USB-C cable to charge the keyboard. The TFT display will indicate charging status.

MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to wipe the keyboard surface. For deeper cleaning, remove keycaps using the provided key puller and use compressed air to clear debris. Avoid using harsh chemicals or abrasive materials.
- **Storage:** When not in use, store the keyboard in a cool, dry place. Avoid extreme temperatures and direct sunlight.
- **Switch Care:** If replacing switches, handle them carefully to avoid bending the pins.

TROUBLESHOOTING

Problem	Solution
Keyboard not responding (Wired)	Ensure the USB-C cable is securely connected to both the keyboard and the computer. Check if the mode switch on the back is set to "USB". Try a different USB port or cable.
Keyboard not connecting (2.4GHz Wireless)	Ensure the 2.4GHz receiver is plugged into a USB port. Check if the mode switch on the back is set to "2.4G". Try re-pairing by pressing FN+4. Ensure the keyboard battery is charged.
Keyboard not connecting (Bluetooth)	Ensure the mode switch on the back is set to "BT". Press FN+1/2/3 to select a channel. Make sure Bluetooth is enabled on your device and the keyboard is in pairing mode. Remove previous pairings on your device and try again. Ensure the keyboard battery is charged.
RGB lighting not working	Press FN + [lighting key] to toggle RGB. Check lighting settings via the knob or web driver. Ensure the keyboard battery is charged.
Keys not registering	If specific keys are not working, the switch might be faulty or improperly seated. Use the key puller to remove the keycap and switch, then re-insert the switch firmly. If the issue persists, replace the switch with one of the spare switches.
TFT display is blank or frozen	Restart the keyboard by turning it off and on. Ensure the battery is charged. If the issue persists, perform a factory reset (refer to web driver or advanced settings for this option).

SPECIFICATIONS

Feature	Detail
Model Name	ATTACK SHARK X820Ultra
Layout	75% (81 Keys + 1 Knob)
Connectivity	2.4GHz Wireless, Bluetooth 5.1, USB-C Wired
Switches	Hot-Swappable (3/5-pin mechanical switches), Linear (Shark Switch, Gift Switch options)
Backlighting	RGB (16.8M colors, 19+ effects), South-Facing LEDs
Display	Smart TFT Display
Knob	Multi-function Metal Control Knob
Battery Capacity	4000mAh
Structure	Gasket Mount with advanced acoustic tuning (PORON foam, IXPE pad, PET sheet, DEPDm, molded silicone)
Keycaps	Double-shot PBT
Compatibility	Windows, macOS

Feature	Detail
Driver	Web Driver (QMK support at qmk.top)

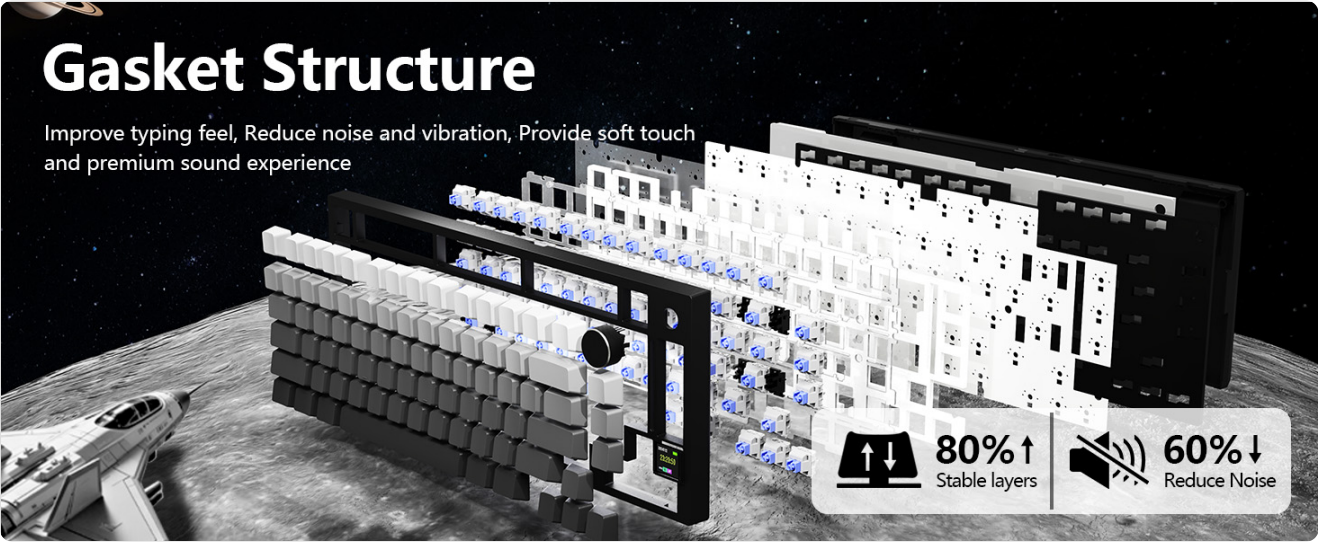


Image: An exploded diagram illustrating the multi-layered gasket structure of the X820 Ultra keyboard, including the PCB, PORON dampening foam, gasket, IXPE switch pad, PET acoustic pad, DEPDM slot foam, and silicone base pad.

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, demonstrating its features and design.

WARRANTY INFORMATION

ATTACK SHARK products are covered by a limited warranty against manufacturing defects. Please refer to the official ATTACK SHARK website or contact customer support for specific warranty terms and conditions applicable to your region.

Typical warranty coverage includes:

- Coverage for defects in materials and workmanship.
- Exclusions for damage caused by misuse, accidents, unauthorized modifications, or normal wear and tear.

SUPPORT

For further assistance, technical support, or warranty claims, please contact ATTACK SHARK customer service through the following channels:

- **Official Website:** Visit the ATTACK SHARK official website for FAQs, driver downloads, and contact information.
- **Email Support:** Refer to your product packaging or the official website for the customer support email address.
- **Online Community:** Join relevant online forums or communities for peer support and tips.

