ATTACK SHARK X82PRO HE

ATTACK SHARK X82PRO HE Wireless Rapid Trigger RGB Mechanical Gaming Keyboard User Manual

Model: X82PRO HE

1. INTRODUCTION

The ATTACK SHARK X82PRO HE is a high-performance 75% layout mechanical gaming keyboard designed for competitive gaming and versatile use. It features Hall Effect magnetic switches, rapid trigger technology, adjustable actuation points, and an 8000Hz polling rate for ultra-low latency. With tri-mode connectivity (wired, 2.4GHz wireless, Bluetooth) and a 5000mAh battery, it offers flexibility across various devices and operating systems.

Image 1.1: Top-down view of the ATTACK SHARK X82PRO HE Wireless Rapid Trigger RGB Mechanical Gaming Keyboard.

2. PRODUCT OVERVIEW

The X82PRO HE keyboard integrates advanced features for an optimized user experience. Key components include:

- **75% TKL Layout:** Compact design with 83 keys, retaining essential function keys.

- **Hall Effect Magnetic Switches:** Self-developed switches with 0.01mm actuation precision.
- **Rapid Trigger (RT):** Allows keys to register and reset based on movement, not fixed points.
- **Adjustable Actuation:** Customize the actuation distance for each key.
- **8000Hz Polling Rate:** Provides 0.125ms ultra-low latency in wired mode.
- **Tri-Mode Connectivity:** USB-C wired, 2.4GHz wireless, and Bluetooth 5.0.
- **5000mAh Battery:** Extended wireless usage.
- **Full RGB Lighting:** Customizable backlighting with 20+ effects.
- **Web Driver Software:** Cloud-based customization for advanced settings.
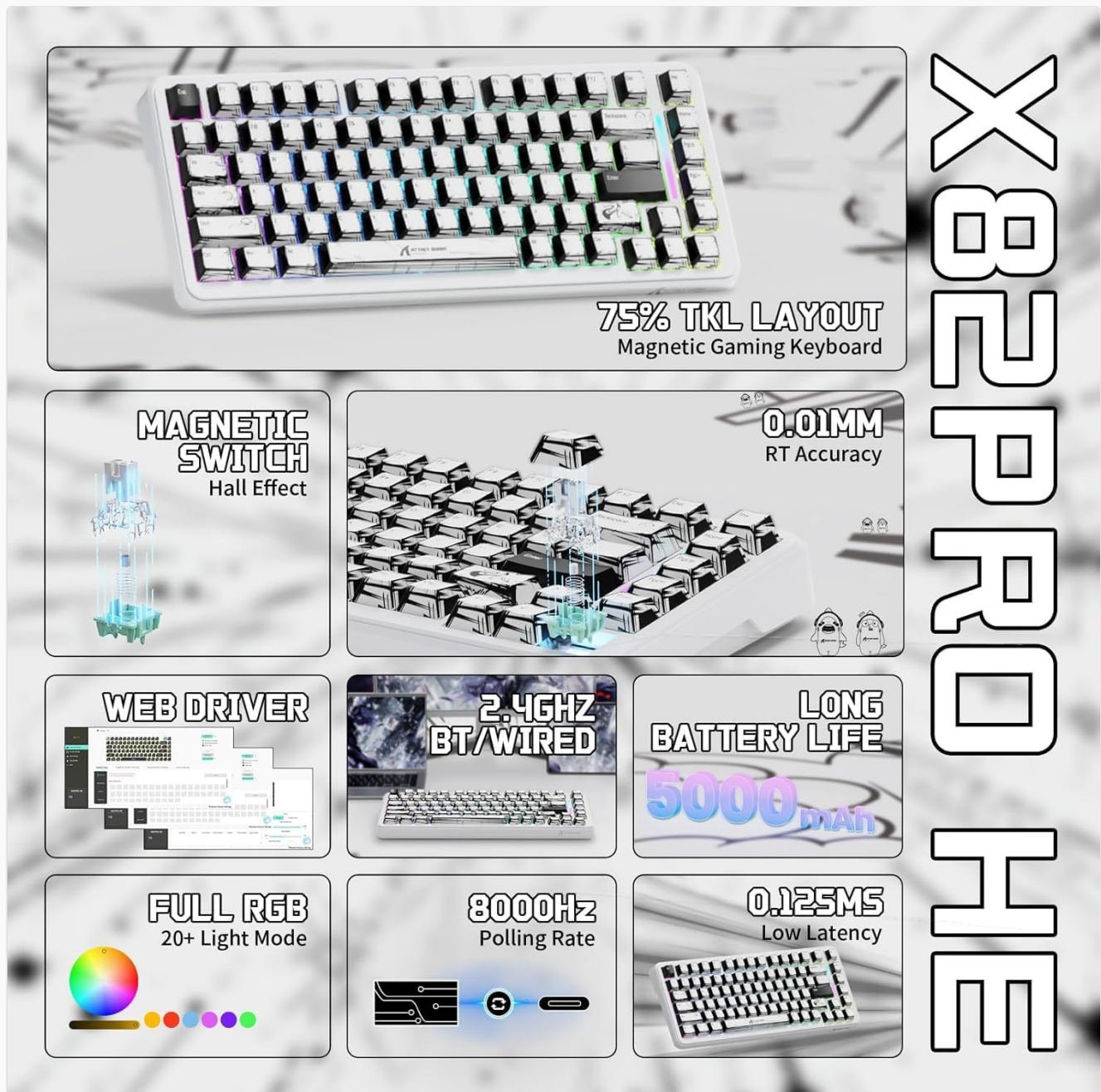- **Dye-sublimation PBT Keycaps:** Durable keycaps with an anime-themed design.

Image 2.1: Visual overview of the X82PRO HE's key features, including 75% TKL layout, magnetic switches, web driver, and connectivity options.

3. SETUP

3.1 Connectivity Modes

The X82PRO HE keyboard supports three connection methods:

- **USB-C Wired Mode:** Connect the keyboard directly to your computer using the provided USB-C cable. This mode supports an 8000Hz polling rate.
- **2.4GHz Wireless Mode:** Insert the 2.4GHz USB receiver into your computer's USB port. Ensure the keyboard's mode switch is set to 2.4G. This mode supports a 1000Hz polling rate.
- **Bluetooth 5.0 Mode:** Switch the keyboard to Bluetooth mode. Pair with your device (PC, phone, tablet) via Bluetooth settings. This mode supports a 125Hz polling rate.

To switch between Windows and Mac layouts, use the dedicated key combination (refer to the keyboard's physical markings or software for specific key). The keyboard offers seamless switching between these modes for various devices.

Image 3.1: Diagram illustrating the three connectivity options: USB-C wired, 2.4GHz wireless, and Bluetooth.

3.2 Initial Charging

Before first use, it is recommended to fully charge the keyboard using the provided USB-C cable. The keyboard features a 5000mAh battery. A charging indicator (often the LED under the spacebar) will typically glow red while charging and change color or turn off when fully charged.
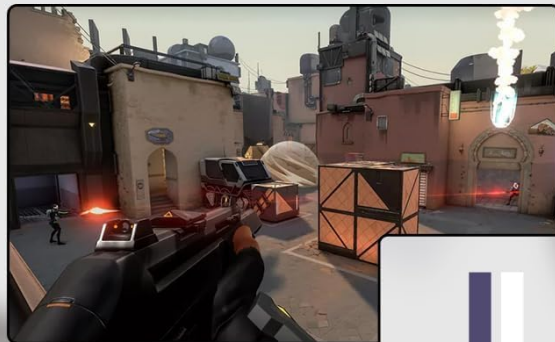
4. OPERATING INSTRUCTIONS

4.1 Rapid Trigger and Adjustable Actuation

The X82PRO HE's Hall Effect magnetic switches enable advanced features like Rapid Trigger and adjustable actuation points. These features are primarily configured via the web-based software.

- **Rapid Trigger (RT):** This function allows keys to activate and deactivate based on the physical movement of the key, rather than fixed actuation and reset points. This can lead to faster, more responsive input in games.
- **Adjustable Actuation Point:** You can customize the distance a key needs to travel before it registers an input, typically ranging from 0.1mm to 3.4mm. This allows for fine-tuning sensitivity to your preference.
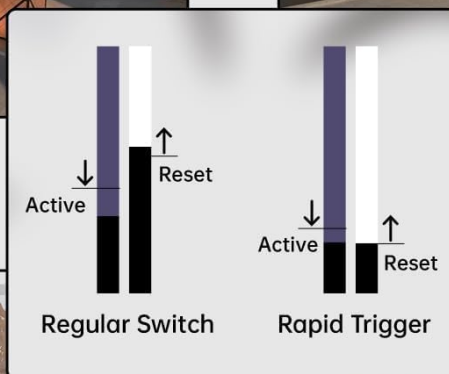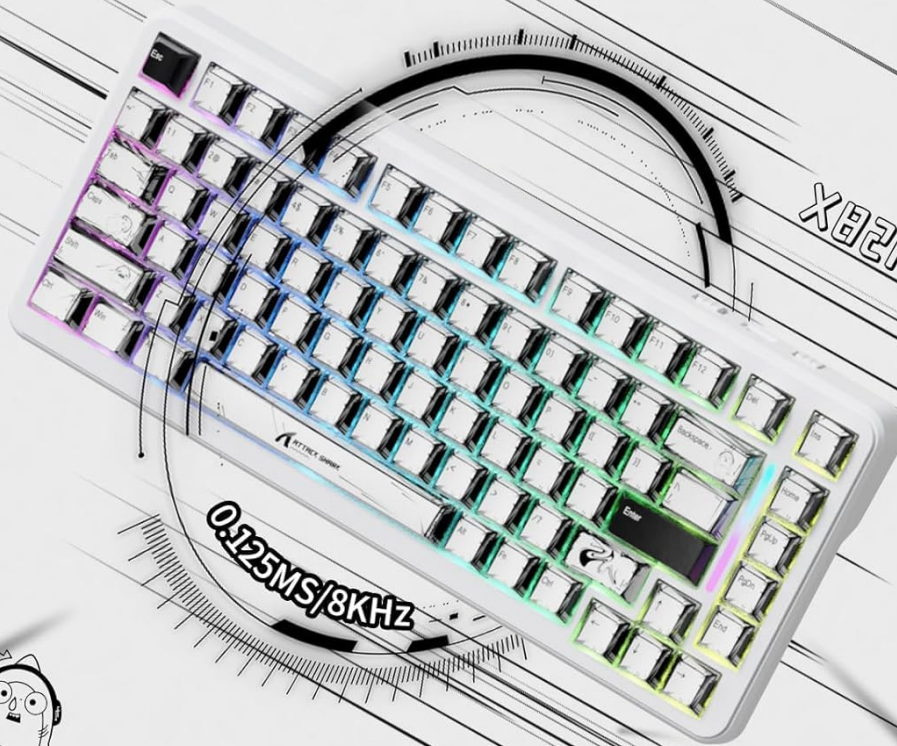

Image 4.1: Explanation of 0.01mm rapid trigger accuracy and zero dead zone, enhancing performance in games like Valorant, CS2, Apex Legends, and League of Legends.

Image 4.2: Diagram illustrating the adjustable actuation point of the self-developed magnetic switches, showing actuation range and lifespan.

4.2 RGB Lighting Control

The keyboard features full RGB backlighting with over 20 preset effects and 16.8 million colors. Lighting can be controlled directly via hotkeys or through the web-based software.

- **FN + \|:** Switch light mode.
- **FN + A:** Switch light bar color.
- **FN + Enter:** Switch main key lighting color.
- **FN + Caps:** Switch light bar mode.
- **FN + ↑ / ↓:** Adjust backlight brightness.
- **FN + ← / →:** Adjust backlight speed.
- **FN + X:** Toggle all LEDs on/off.

Image 4.3: Visual representation of RGB light effects and corresponding hotkeys for control.
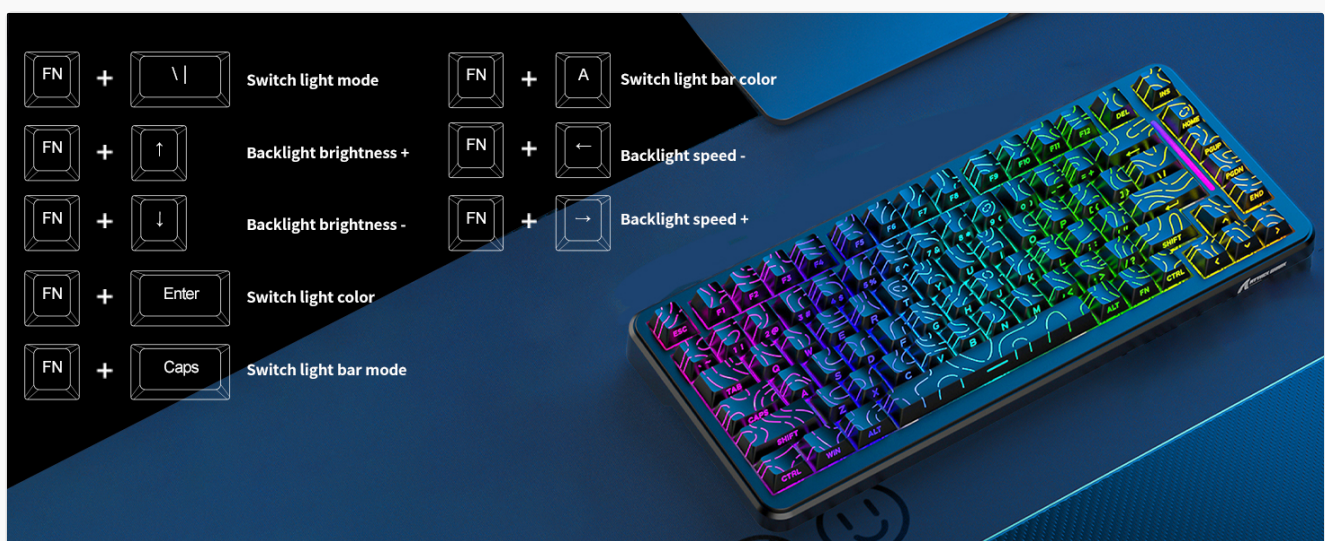

Image 4.4: Detailed hotkey guide for controlling RGB lighting modes, colors, brightness, and speed.

4.3 Software Customization (Web Driver)

The X82PRO HE keyboard can be customized using its web-based software launcher, accessible at qmk.top. This software allows for advanced configuration:

- **Rapid Trigger (RT) Settings:** Fine-tune the sensitivity and behavior of the rapid trigger function.
- **SOCD (Simultaneous Opposite Cardinal Direction) Cleaning:** Configure how simultaneous opposing inputs are handled, useful in fighting games.
- **DKS (Dynamic Key Stroke):** Assign multiple actions to a single key based on press depth.
- **MT (Mod Tap):** Assign different functions for tapping and holding a key.
- **TGL (Toggle):** Toggle functions on/off with a single key press.
- **Macros:** Create and assign custom macro sequences.
- **Key Remapping:** Reassign any key to a different function.
- **RGB Lighting Customization:** Create custom lighting profiles and effects.

Note: The web utility may require a driver installation to function correctly, which can impact portability. Ensure you download the correct software version for your keyboard model from the official ATTACK SHARK website or the provided link.
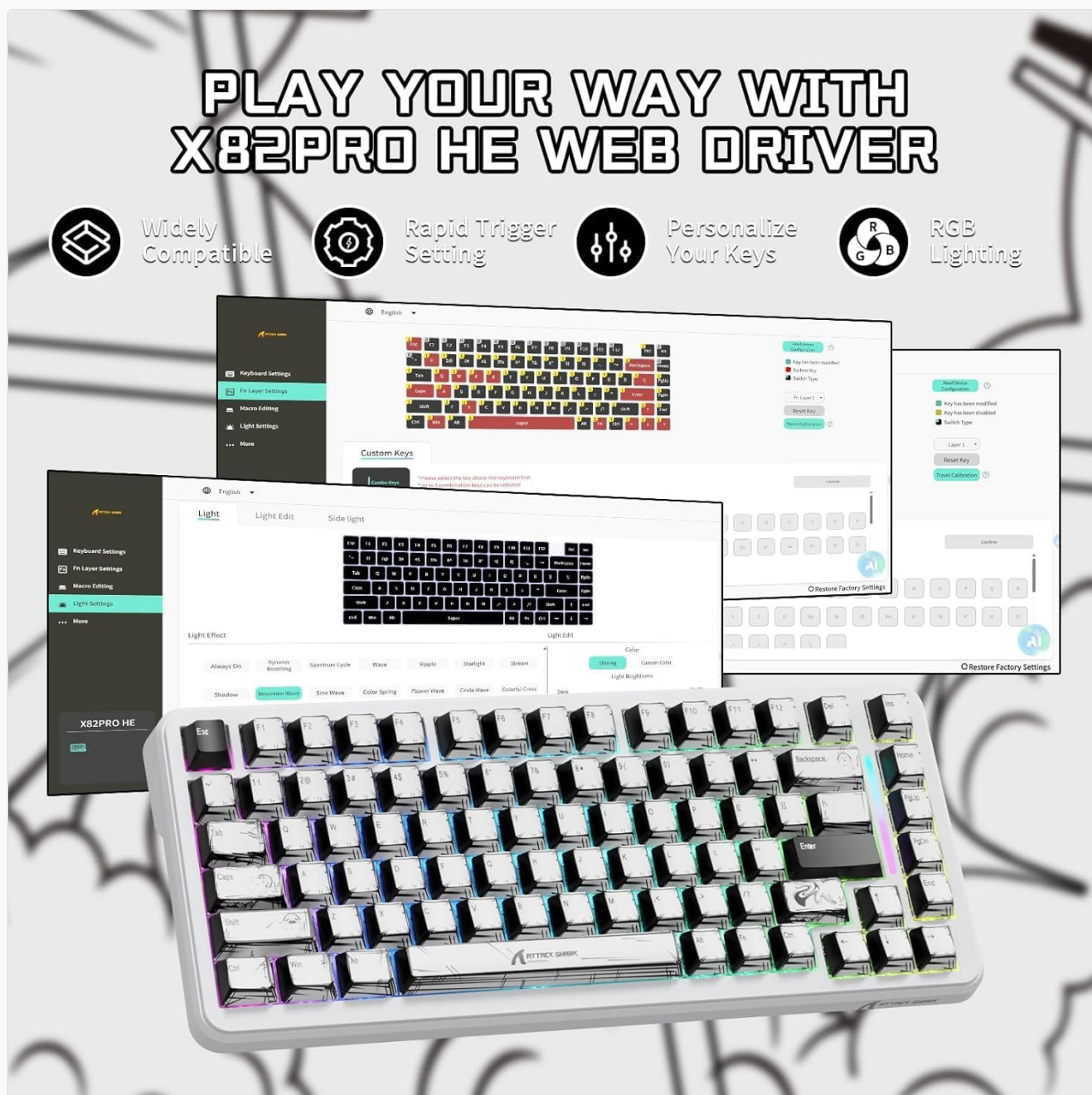

Image 4.5: Screenshot of the X82PRO HE web driver interface, showing options for rapid trigger settings, key personalization, and

4.4 Keycaps

The keyboard is equipped with five-sided dye-sublimation PBT keycaps featuring an anime-themed design. PBT material offers durability and resistance to shine over time, ensuring legends do not fade. The keycaps have an OEM profile.

Image 4.6: Close-up view of the dye-sublimation PBT keycaps with a manga graffiti design and OEM profile measurements.

5. MAINTENANCE

To ensure the longevity and optimal performance of your X82PRO HE keyboard, follow these maintenance guidelines:

- **Cleaning:** Regularly clean the keycaps and chassis with a soft, dry cloth. For deeper cleaning, you can use a keycap puller (often included) to remove keycaps and clean underneath with compressed air or a brush.
- **Switch Care:** The Hall Effect magnetic switches are hot-swappable. If replacing switches, ensure the keyboard is powered off and use a switch puller to avoid damage. Only use N-pole downward magnetic switches for compatibility.

- **Battery Care:** Avoid fully discharging the battery frequently. Charge the keyboard when the battery level is low to maintain battery health.
- **Storage:** Store the keyboard in a cool, dry place away from direct sunlight and extreme temperatures.

6. TROUBLESHOOTING

If you encounter issues with your X82PRO HE keyboard, refer to the following common troubleshooting steps:

- **Connectivity Issues (Wired/Wireless/Bluetooth):**

    - Ensure the correct mode (wired, 2.4G, BT) is selected on the keyboard's switch.
    - For wired mode, try a different USB-C cable and USB port on your computer. Some coiled cables may not support the high power requirements for 8K polling rate.
    - For 2.4GHz wireless, ensure the USB receiver is securely plugged in and there are no obstructions or strong interference sources nearby.
    - For Bluetooth, ensure the keyboard is in pairing mode and visible to your device. Remove previous pairings and re-pair if necessary.

- **RGB Lighting Malfunctions:**

    - If specific LEDs (e.g., spacebar) are not displaying colors correctly or only show red, this may indicate a hardware issue.
    - Ensure the brightness is not set to zero using the FN hotkeys.
    - Check the web driver software for any conflicting settings or profiles.
    - Note that the light bar may have separate controls (FN + A, FN + Caps) and might not be fully configurable via software.

- **Software/Driver Issues:**

    - Ensure you are using the correct and latest version of the web driver software from qmk.top or the official ATTACK SHARK support page.
    - If translations are unclear, refer to community resources or contact support for clarification on specific features.
    - If the web utility requires a driver installation, ensure it is successfully installed.

- **Uneven Keyboard Feet:**

    - If the keyboard wobbles, check the rubber feet for any inconsistencies. This may be a manufacturing variation.

- **Keyboard Disconnecting in Wired Mode:**

    - This could indicate a faulty USB cable or port. Try a different cable and port.
    - Ensure your computer's power settings are not configured to turn off USB devices to save power.

If these steps do not resolve your issue, please contact ATTACK SHARK customer support for further assistance.

7. SPECIFICATIONS

Feature	Detail
Brand	ATTACK SHARK

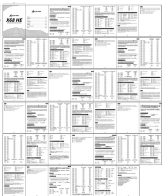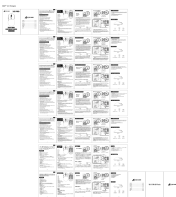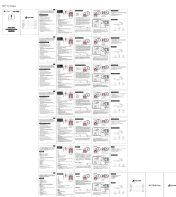| Model	X82PRO HE
Layout	75% (83 keys)
Switch Type	Hall Effect Magnetic Switch
Actuation Range	0.1-3.4mm (Adjustable)
Polling Rate	8000Hz (Wired), 1000Hz (2.4G Wireless), 125Hz (Bluetooth)
Connectivity	USB-C Wired, 2.4GHz Wireless, Bluetooth 5.0
Battery Capacity	5000mAh
Keycaps	Dye-sublimation PBT, OEM Profile
Backlighting	RGB (20+ effects, 16.8M colors)
Compatible Devices	PC (Windows, Mac)
Item Weight	2.6 pounds
Package Dimensions	14.41 x 7.68 x 2.05 inches

8. WARRANTY AND SUPPORT

For warranty information, product support, or to report any issues not covered in this manual, please contact the seller or visit the official ATTACK SHARK website. Keep your purchase receipt for warranty claims.

Related Documents - X82PRO HE

[Attack Shark X68 HE Gaming Keyboard User Manual](#)
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.

[Attack Shark K85 Mechanical Keyboard User Manual](#)
User manual for the Attack Shark K85 mechanical keyboard, detailing its magnetic switches, rapid trigger functionality, adjustable trigger points, and technical specifications.

	ATTACK SHARK X68MAX Gaming Keyboard User Manual 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.
	ATTACK SHARK X3PRO Gaming Mouse User Manual 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.
	Attack Shark X3Pro Wireless Gaming Mouse User Manual Comprehensive user manual for the Attack Shark X3Pro wireless gaming mouse. Learn about its ultralight design, 8K polling rate, and versatile connectivity options including USB, 2.4G, and Bluetooth. Get setup instructions and product details.
	Attack Shark X86 CNC Aluminum RGB Keyboard - User Manual Official user manual for the Attack Shark X86 CNC Aluminum RGB Keyboard, providing details on setup, features, software, drivers, and technical specifications for enhanced user experience.