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ATTACK SHARK ATTACK SHARK X68 HE

ATTACK SHARK X68 HE Mechanical Gaming Keyboard User Manual

Model: ATTACK SHARK X68 HE

1. Introduction

The ATTACK SHARK X68 HE is a high-performance 60% wired TKL mechanical gaming keyboard designed for competitive gaming and efficient daily use. It features advanced Hall Effect magnetic switches with adjustable actuation points and Rapid Trigger functionality, providing precise control and ultra-low latency. This manual provides detailed instructions for setting up, operating, maintaining, and troubleshooting your keyboard.

Figure 1: ATTACK SHARK X68 HE Mechanical Gaming Keyboard (Black)

2. Setup

2.1 Package Contents

- ATTACK SHARK X68 HE Mechanical Gaming Keyboard
- USB-C Cable
- User Manual

2.2 Connecting the Keyboard

1. Connect the USB-C end of the provided cable to the USB-C port on the keyboard.
2. Connect the USB-A end of the cable to an available USB port on your computer (PC or Mac).

3. The keyboard will automatically be recognized by your operating system.

2.3 Software Installation (Web Driver)

For full customization of key functions, macros, and lighting effects, download the official web driver software from qmk.top. No installation is required; the software runs directly from your web browser.

Figure 2: Key features of the X68 HE keyboard, including magnetic switches, 0.01mm RT accuracy, adjustable actuation, and 0.125ms latency.

3. Operating Instructions

3.1 Key Features

- **Hall Effect Magnetic Switches:** Offers adjustable actuation points and Rapid Trigger (RT) functionality.
- **Rapid Trigger (RT) Function:** Allows keys to reset and re-press faster, ideal for competitive gaming.
- **Adjustable Actuation:** Customize keystroke actuation from 0.1mm to 3.4mm.

- **8KHz Polling Rate:** Reduces keyboard latency to a theoretical 0.125ms for ultra-responsive input.
- **Programmable NKRO ANSI Keyboard:** Full N-Key Rollover and anti-ghosting for accurate input.
- **Top-Mounted Structure:** Provides a stable and quiet typing experience.
- **Double Layer PORON:** Enhances typing sound and feel.
- **Pre-lubed Stabilizers:** Ensures smoother keystrokes on larger keys.
- **RGB Backlighting:** 16.8 million colors with multiple preset modes.
- **PBT Keycaps:** Durable, wear-resistant, and fade-resistant Cherry profile double shot keycaps.
- **Ergonomic Design:** Compact 66-key layout with separate arrow keys and curved wrist rest.
- **Wide Compatibility:** Supports PC and Mac systems with easy switching.

3.2 Adjustable Actuation and Rapid Trigger

The Hall Effect magnetic switches allow for dynamic keystroke customization. You can set the actuation point for each key, determining how far you need to press for a keypress to register. The Rapid Trigger function enables keys to activate and deactivate based on movement, not just a fixed point, allowing for quicker repeated presses in games.

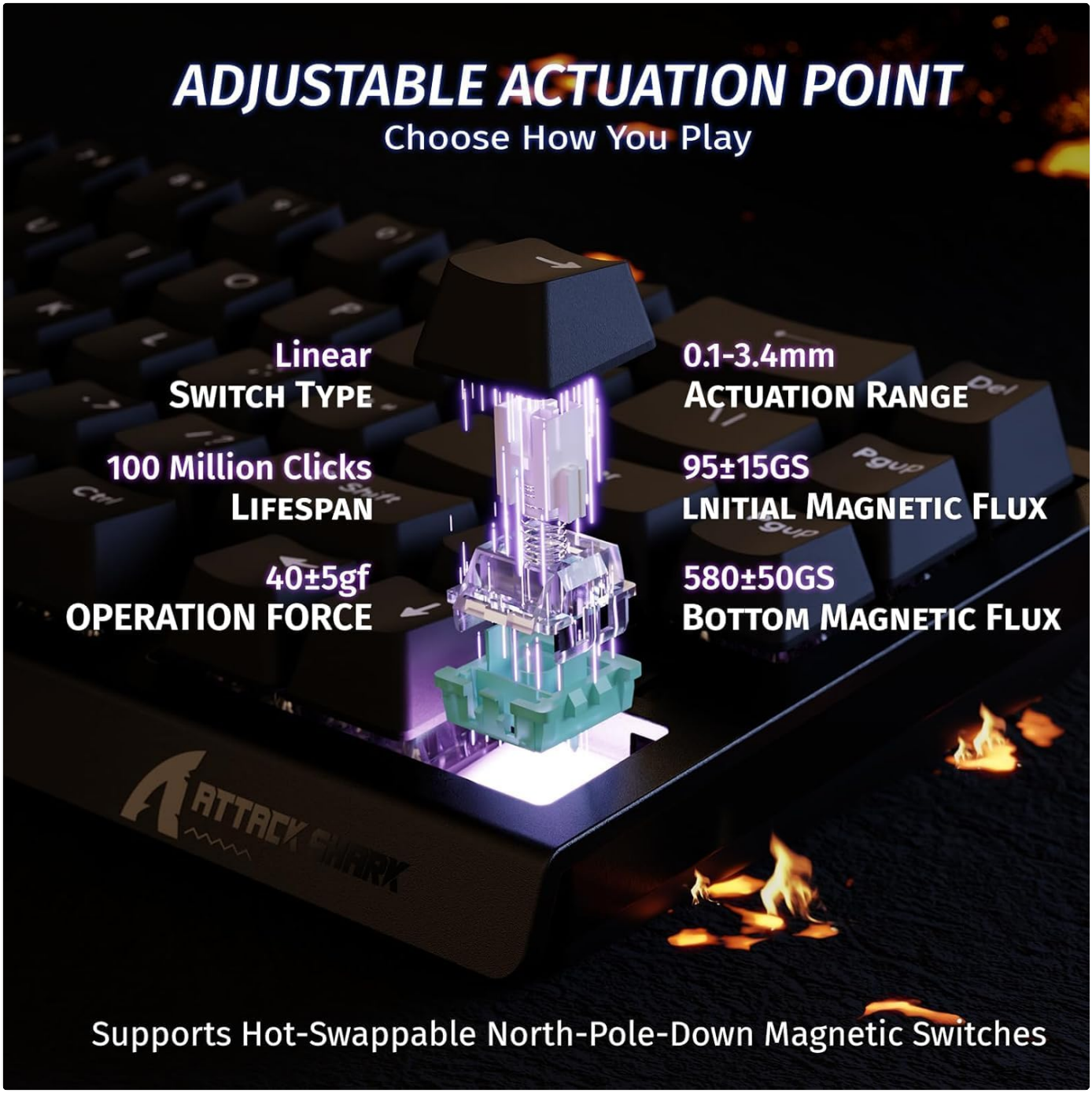

Figure 3: Diagram illustrating the adjustable actuation point range (0.1-3.4mm) and magnetic switch operation.

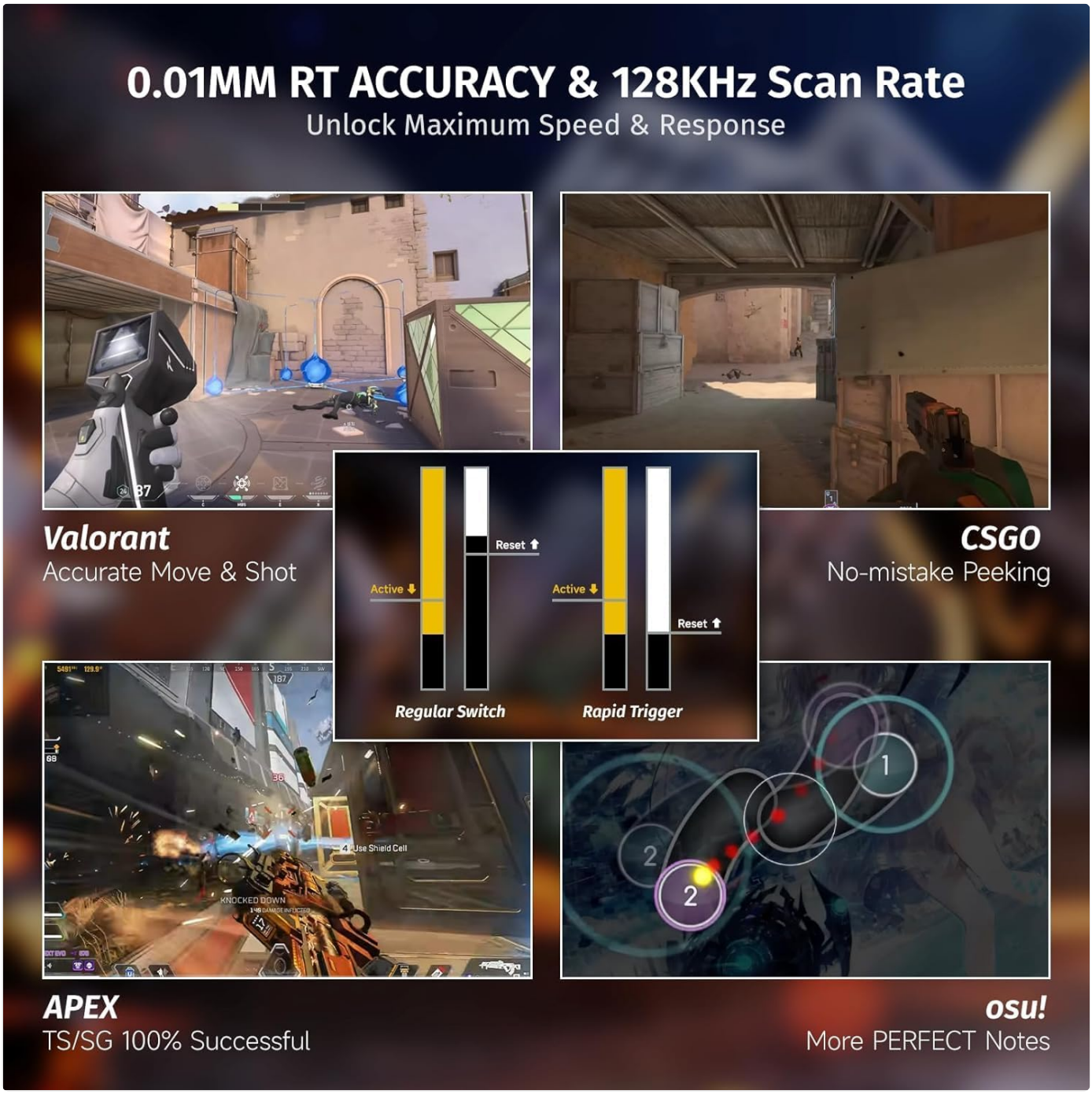

Figure 4: Visual representation of 0.01mm RT accuracy and 128KHz scan rate, showing benefits in games like Valorant, CSGO, Apex, and osu!.

3.3 Customization with Web Driver

The web driver software (available atqmk.top) provides extensive customization options:

- **Key Remapping:** Assign any function to any key.
- **Macros:** Create complex sequences of keypresses.
- **Lighting Modes:** Adjust and create custom RGB lighting effects.
- **Actuation Point Adjustment:** Fine-tune the activation and deactivation points for individual keys.
- **DKS, Snap Tap, Zero Deadzone:** Advanced settings for precise control.

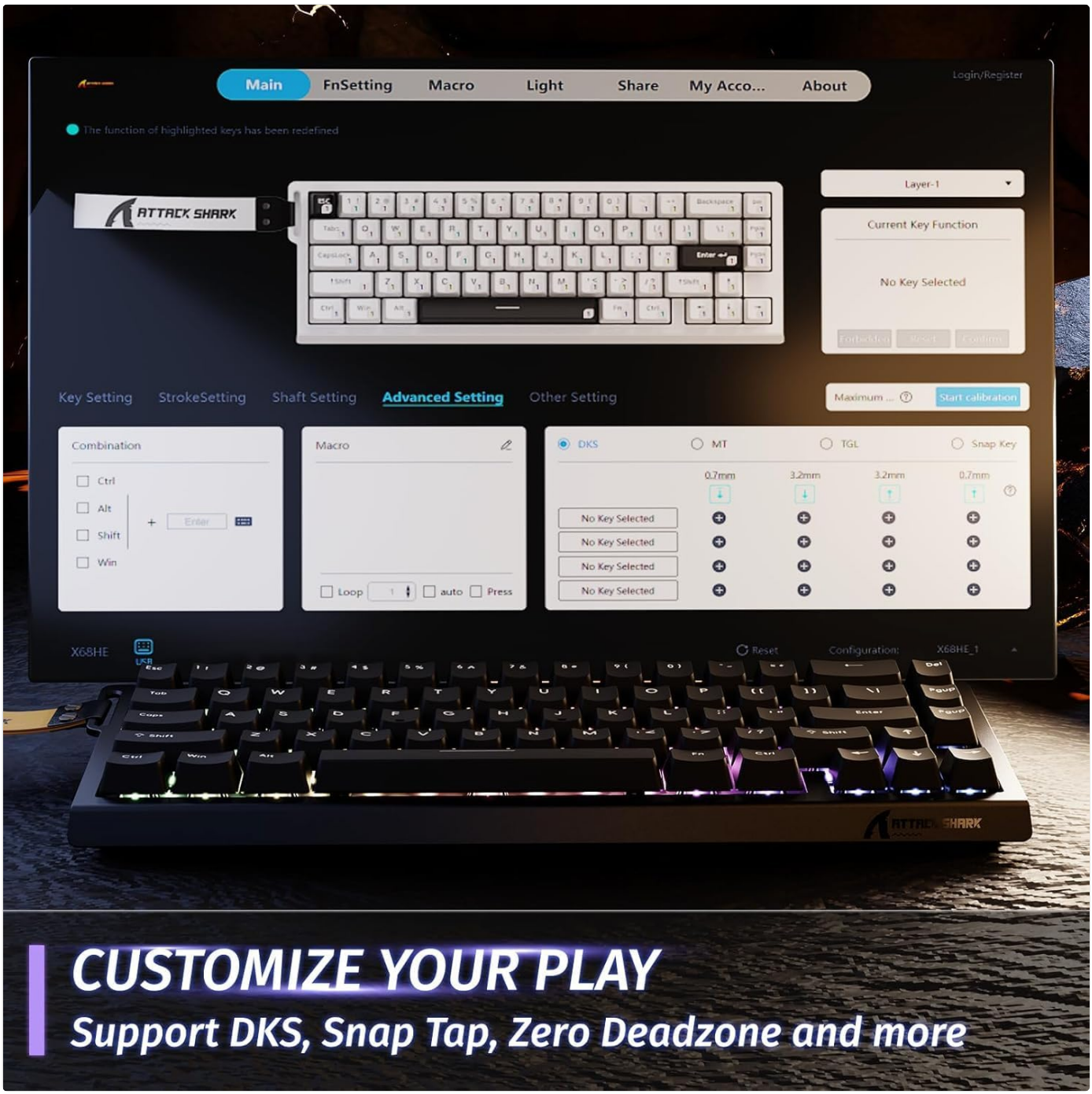

Figure 5: Screenshot of the web driver interface for customizing key functions, macros, and advanced settings.

3.4 RGB Lighting Control

The keyboard features vibrant RGB backlighting with over 20 preset light effects. You can control the lighting directly from the keyboard using FN key combinations:

- **FN +** ↑ / ↓**:** Adjust Backlit Brightness.
- **FN +** ← / →**:** Adjust Backlit Speed.
- **FN +** \ |**:** Switch Light Mode.
- **FN + Enter:** Switch Light Color.
- **FN + Backspace:** Turn Light On/Off.

Figure 6: The keyboard displaying various RGB lighting effects.

3.5 System Compatibility

The ATTACK SHARK X68 HE keyboard is compatible with both PC and Mac operating systems. You can switch between Windows and Mac layouts with a dedicated button or key combination, as detailed in the web driver software.

4. Maintenance

4.1 Cleaning

- Disconnect the keyboard from your computer before cleaning.
- Use a soft, lint-free cloth slightly dampened with water or a mild cleaning solution to wipe the keycaps and chassis.
- For dust and debris between keycaps, use compressed air.
- Avoid spraying liquids directly onto the keyboard.

4.2 Keycap Care

The keyboard features durable PBT keycaps. While resistant to wear and fading, avoid using harsh chemicals or abrasive materials that could damage their surface.

Figure 7: Close-up view of the durable doubleshot PBT keycaps.

5. Troubleshooting

5.1 Common Issues and Solutions

Issue	Possible Cause	Solution
Keyboard not responding	Loose cable connection, incorrect USB port, driver issue.	Ensure USB-C cable is securely connected to both keyboard and computer. Try a different USB port. Restart your computer.

Issue	Possible Cause	Solution
RGB lighting not working or malfunctioning	Software setting, cable issue, hardware fault.	Check RGB settings in the web driver software. Ensure the cable is fully connected. Try a different USB port. If the issue persists, contact customer support.
Keys not registering or double-typing	Actuation point setting, debris under keycap, software conflict.	Adjust actuation points in the web driver. Clean under the affected keycap with compressed air. Ensure no conflicting software is running.
Web driver not loading or connecting	Browser compatibility, internet connection, keyboard not detected.	Try a different web browser (e.g., Edge, Chrome). Ensure stable internet connection. Verify keyboard is connected and recognized by the system.

6. Specifications

Feature	Detail
Model	ATTACK SHARK X68 HE
Keyboard Type	60% Wired TKL Mechanical Gaming Keyboard
Switch Type	Hall Effect Magnetic Switches
Actuation Point	Adjustable from 0.1mm to 3.4mm
Polling Rate	8KHz
Keycaps	Doubleshot PBT, Cherry Profile
Backlighting	RGB (16.8 million colors, 20+ preset effects)
Connectivity	USB-C Wired
Compatibility	PC, Mac Laptop
Number of Keys	66
Item Weight	1.83 pounds (approx. 0.83 kg)
Package Dimensions	14.25 x 6.18 x 2.05 inches (approx. 36.2 x 15.7 x 5.2 cm)

Figure 8: Exploded view showing the internal components of the X68 HE, including PBT keycaps, top case, aluminum alloy plate, PORON foam, PCB, magnetic switches, and bottom case.

7. Warranty and Support

ATTACK SHARK products are designed for reliability and performance. For information regarding warranty coverage, technical support, or service inquiries, please visit the official ATTACK SHARK store or contact their customer service directly.

Official Brand Store: ATTACK SHARK Store on Amazon

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