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ATTACK SHARK X68HE

ATTACK SHARK X68HE Rapid Trigger Gaming Keyboard User Manual

Model: X68HE

1. Introduction

The ATTACK SHARK X68HE is a high-performance 68-key gaming keyboard designed for precision and speed. It features Rapid Trigger technology, adjustable actuation points, magnetic platinum switches, and an 8000Hz polling rate for an ultra-low latency gaming experience. This manual provides detailed instructions for setup, operation, maintenance, and troubleshooting.



Figure 1: ATTACK SHARK X68HE Rapid Trigger Gaming Keyboard

2. Package Contents

Please verify that all items are present in your package:

- ATTACK SHARK X68HE Keyboard x 1
- USB Type-C Cable x 1
- 2-in-1 Switch Puller x 1
- User Manual x 1

3. Setup Instructions

3.1 Connecting the Keyboard

1. Locate the USB Type-C port on the back of the keyboard.
2. Connect one end of the provided USB Type-C cable to the keyboard.
3. Connect the other end of the USB Type-C cable to an available USB port on your computer (Windows or Linux).
4. The keyboard will automatically be recognized by your operating system.

3.2 Initial Power-On

Upon successful connection, the keyboard's RGB lighting will illuminate, indicating it is powered on and ready for use.

3.3 Web Driver Access

The X68HE utilizes a QMK Web Driver for customization, eliminating the need for software downloads. To access the web driver:

- Ensure your keyboard is connected to your computer.
- Open a web browser and navigate to the official ATTACK SHARK web driver page (refer to the product packaging or official website for the exact URL).
- The web page will automatically detect your X68HE keyboard, allowing you to customize settings.



Figure 2: QMK Web Driver Interface for customization

4. Operating Instructions

4.1 Rapid Trigger Technology

The X68HE features Rapid Trigger technology, allowing for ultra-precise and speedy key presses. This function enables

keys to activate and deactivate based on movement rather than a fixed actuation point, providing a competitive edge in fast-paced games.

- **Adjustable Actuation Point:** The actuation point can be adjusted with extreme precision, down to 0.01mm, via the web driver.
- **Magnetic Platinum Switches:** Equipped with magnetic platinum switches for a comfortable typing feel and sound.



Figure 3: Visual explanation of Rapid Trigger technology and its benefits in gaming.

4.2 8000Hz Polling Rate

Experience minimal input delay with an 8000Hz polling rate, achieving a response time of 0.125ms. This significantly reduces latency compared to standard keyboards, ensuring your commands are registered almost instantly.



Figure 4: Illustration of the 8000Hz polling rate and its speed advantage.

4.3 Customizable Actuation Points

The X68HE features adjustable actuation points for each key, ranging from 0.1mm to 3.4mm. This allows users to fine-tune the sensitivity of each key to their preference, optimizing for different game genres or typing styles. The switches are hot-swappable, supporting N-pole magnetic switches.



Figure 5: Diagram illustrating the adjustable actuation points of the magnetic switches.

4.4 QMK Web Driver Customization

The web driver provides extensive customization options without requiring software installation:

- **RGB Lighting Effects:** Adjust RGB light patterns and colors from over 20 preset modes.
- **Key Functions:** Remap keys, create macros, and configure advanced features like DKS (Dynamic Key Stroke), Snap Key, and Dead Zone adjustments.
- **Axis Precision:** Fine-tune the precision of individual key axes.

RGB Lighting Controls (On-Keyboard Shortcuts):

- **Fn + ↑:** Increase backlight brightness
- **Fn + ↓:** Decrease backlight brightness
- **Fn + ←:** Decrease backlight speed
- **Fn + →:** Increase backlight speed

- **Fn + Alt:** Switch light mode
- **Fn + Enter:** Switch light color
- **Fn + Backspace:** Toggle light On/Off



Figure 6: Overview of RGB lighting features and on-keyboard controls.

4.5 Double-Shot PBT Keycaps

The X68HE is equipped with durable double-shot PBT keycaps, known for their resistance to wear, fading, and shine, ensuring a long-lasting premium feel.



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

5. Maintenance

To ensure the longevity and optimal performance of your ATTACK SHARK X68HE keyboard, follow these maintenance guidelines:

- **Cleaning:** Regularly clean the keyboard with a soft, dry cloth. For deeper cleaning, use a can of compressed air to remove dust and debris from between the keycaps.
- **Keycap Removal:** Use the provided 2-in-1 switch puller to carefully remove keycaps for cleaning or switch replacement. Avoid using excessive force.
- **Liquid Exposure:** Avoid exposing the keyboard to liquids. In case of accidental spills, immediately disconnect the keyboard and allow it to dry completely before reconnecting.
- **Storage:** Store the keyboard in a cool, dry place away from direct sunlight and extreme temperatures.

6. Troubleshooting

If you encounter any issues with your ATTACK SHARK X68HE keyboard, please refer to the following common solutions:

6.1 Keyboard Not Responding

- **Check Connection:** Ensure the USB Type-C cable is securely connected to both the keyboard and your computer. Try a different USB port.
- **Cable Integrity:** Test with a different USB Type-C cable if available, to rule out a faulty cable.
- **Restart Computer:** Sometimes a simple computer restart can resolve connectivity issues.

6.2 Keys Not Registering or Double-Typing

- **Clean Switches:** Dust or debris under the keycap or switch can cause issues. Use compressed air to clean around the affected switch.
- **Web Driver Settings:** Access the QMK Web Driver and check the actuation point settings for the affected keys. Ensure they are not set too low, which might cause unintended activations (ghost strokes). Adjust the Dead Zone if necessary.
- **Switch Replacement:** As the switches are hot-swappable, a faulty switch can be replaced using the provided switch puller and a compatible replacement switch.

6.3 RGB Lighting Issues

- **On-Keyboard Controls:** Use the Fn key combinations (Fn + Backspace, Fn + Alt, Fn + Enter) to cycle through lighting modes, colors, and brightness.
- **Web Driver Settings:** Connect to the QMK Web Driver to customize or reset RGB lighting effects.

6.4 Web Driver Not Detecting Keyboard

- **Browser Compatibility:** Ensure you are using a modern web browser (e.g., Chrome, Firefox, Edge).
- **USB Connection:** Verify the keyboard is properly connected via USB.
- **Refresh Page:** Try refreshing the web driver page.

7. Specifications

Feature	Description
Brand	ATTACK SHARK
Model	X68HE
Connectivity Technology	USB-C
Keyboard Description	Mechanical
Recommended Use	Gaming
Special Features	Rapid Trigger, Magnetic Switches, Hot-swappable
Color	Black
Product Dimensions (L x W x H)	36.2 x 15.7 x 4.9 cm
Switch Type	Mechanical (Magnetic)
Keyboard Layout	QWERTY

Number of Keys	68
Compatible Operating Systems	Linux, Windows
Keyboard Plate Material	Aluminum
Polling Rate	8000Hz
Actuation Point Adjustment	0.01mm precision
Keycaps	Double-shot PBT
RGB Lighting	21 modes, customizable

8. Warranty and Support

The ATTACK SHARK X68HE keyboard comes with a **1-year product warranty**. For warranty claims, technical support, or any inquiries, please contact the seller or ATTACK SHARK customer service. Japanese language support is available. Seller: KUIYN JP

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