ATTACK SHARK AK820

ATTACK SHARK X Ajazz AK820 Mechanical Keyboard User Manual

Model: AK820
Brand: ATTACK SHARK

PRODUCT OVERVIEW

The ATTACK SHARK X Ajazz AK820 is a 75% layout hot-swappable mechanical keyboard designed for gaming and everyday use. It features an 82-key layout, a multi-function rotary knob, gasket-mounted design for enhanced typing feel, and customizable LED backlighting. This keyboard is compatible with both Windows and Mac operating systems and connects via USB-C wired connection.

Key Features

- 75% Percent Layout (82 keys) for space efficiency while retaining essential keys.
- N-Key Rollover (NKRO) ensures all simultaneous key presses are registered accurately.
- Multi-Function Metal Knob for independent volume control and mute functionality.
- Gasket Mounted Design with 5 layers of sound insulation (Poron sandwich cotton, IXPE under-axis pad, PET premium sound pad, bottom cotton) for a softer, more elastic typing experience and reduced noise.
- Hot-Swappable PCB (3/5-pin) allows for easy switch replacement without soldering.
- Pre-lubed AS Red Switches (linear) with a 50 million keystroke lifespan, ideal for gaming and office use.
- 20 LED Backlight Effects (white light) with 5 brightness levels and 5 lighting speeds.
- Durable PBT Keycaps with wear-resistant, waterproof properties and high light transmittance.
- Ergonomic Design with OEM keycaps for comfortable typing.

Package Contents

- ATTACK SHARK X Ajazz AK820 Mechanical Keyboard
- USB Cable
- 2-in-1 Key Extractor (Keycap Puller)

Keyboard Layout
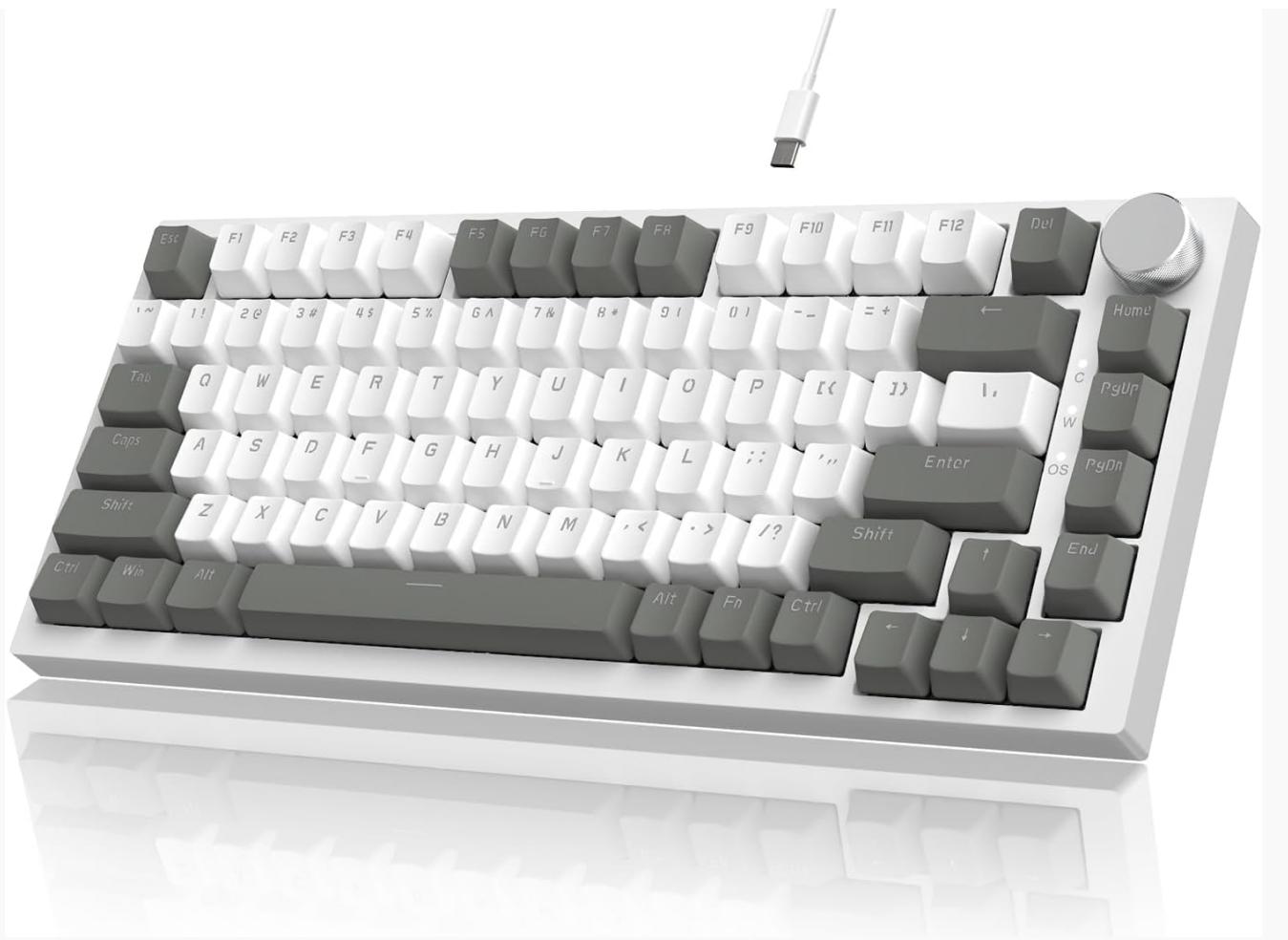
Figure 1: Overview of the AK820 keyboard layout.

82 KEYS MECHANICAL KEYBOARD

Knob Design

Gasket Mount

Hot Swap

LED Light

75% Layout

N-Key Rollover

WIN/MAC

Ergonomic

Software Driver
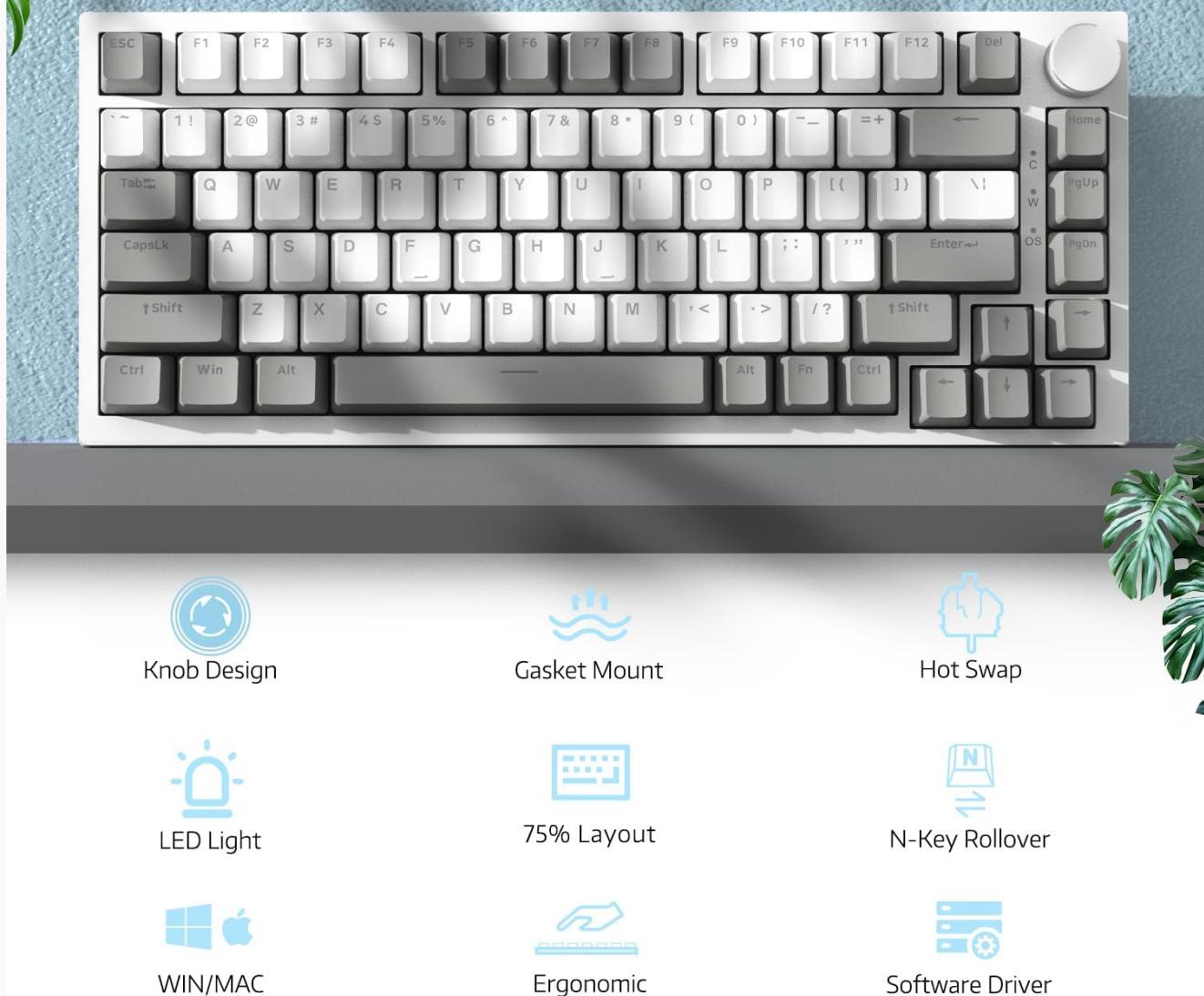
Figure 2: Visual representation of the AK820's key features.

SETUP

Connecting the Keyboard

1. Locate the USB-C port on the back or side of the keyboard.

2. Connect the provided USB-C cable to the keyboard's USB-C port.

3. Plug the other end of the USB cable into an available USB port on your computer (PC or Mac).

4. The keyboard is plug-and-play and should be recognized automatically by your operating system.
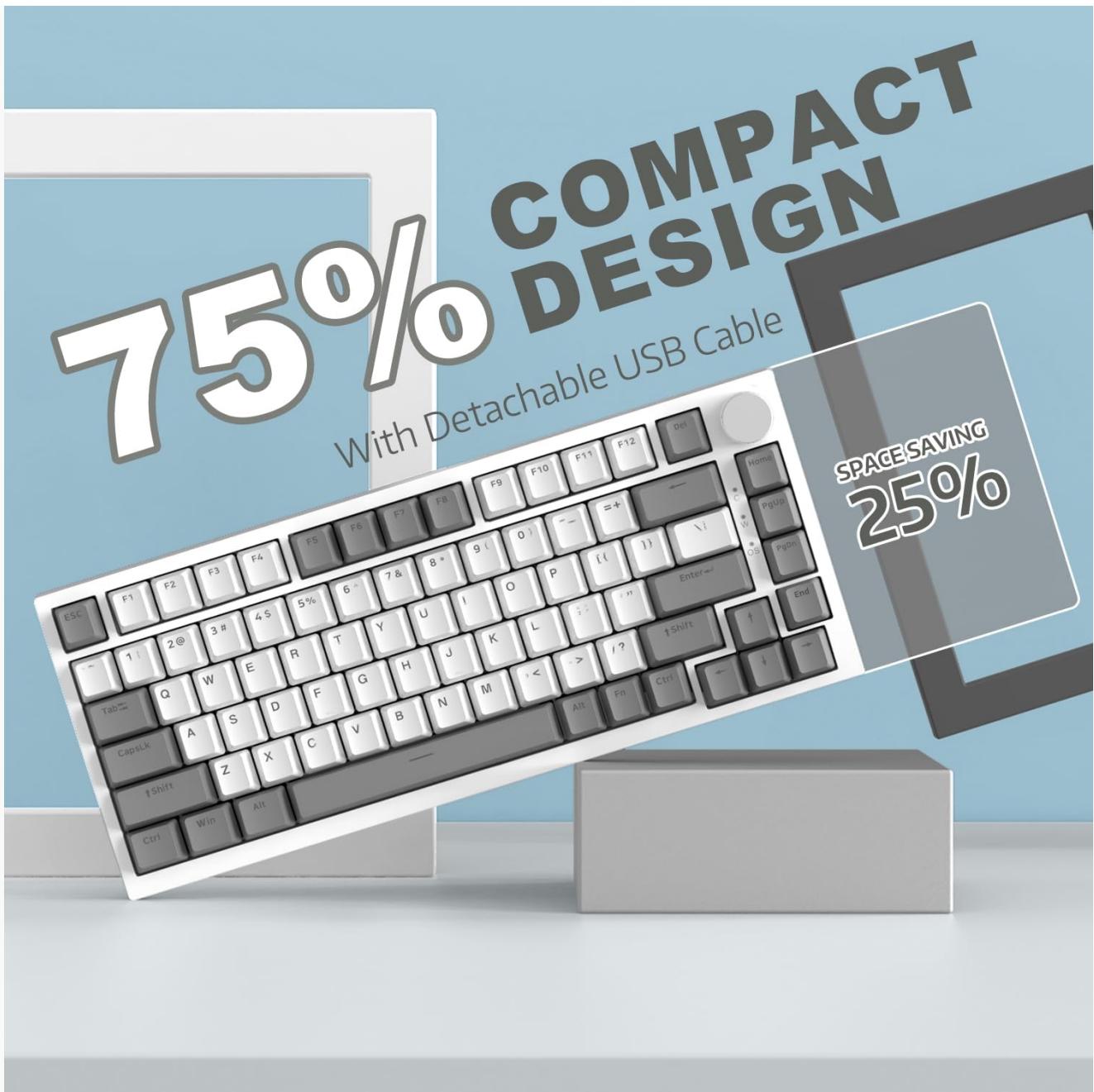
Figure 3: The compact design and USB-C connection point.

OPERATING INSTRUCTIONS

Multimedia Knob Functionality

The metal rotary knob located on the top right of the keyboard provides convenient multimedia control:

- **Rotate:** Turn the knob clockwise to increase volume, and counter-clockwise to decrease volume.
- **Press:** Press the knob to mute or unmute the audio.
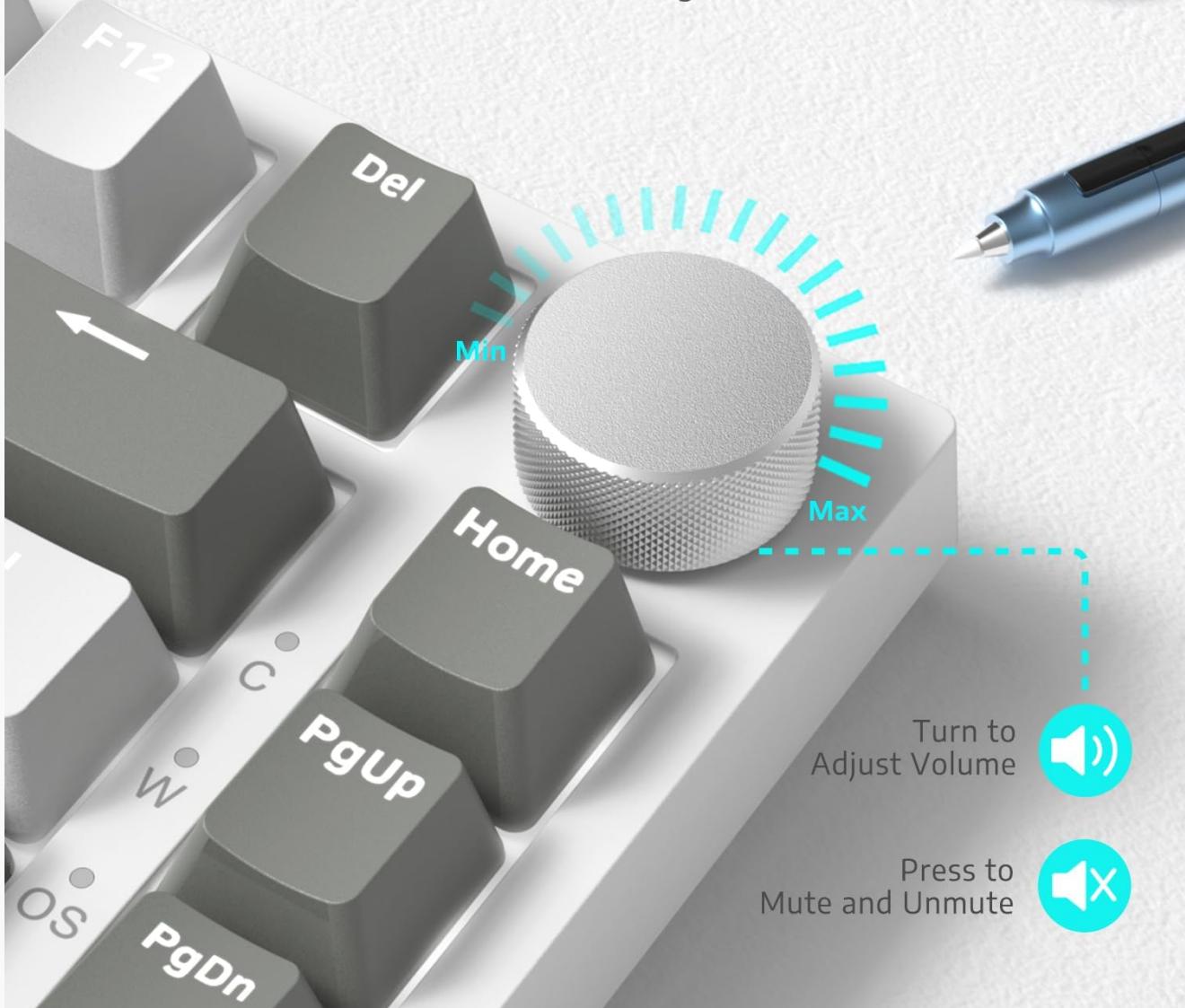
Figure 4: Detailed view of the multimedia knob and its functions.

Backlight Control

The AK820 features 20 white LED backlight effects. You can customize the lighting to suit your preference:

- **Change Light Effects:** Press **FN + |** to cycle through the 20 available backlight effects.
- **Adjust Brightness:** Use specific key combinations (refer to keyboard legends or software) to adjust between 5 brightness levels.
- **Adjust Speed:** Use specific key combinations (refer to keyboard legends or software) to adjust between 5 lighting speeds.
- **Custom Gaming Lighting:** Press **FN + 1!** / **2@** / **3#** to access and customize 3 sets of gaming lighting effects. Choose the light recording mode and save your lighting profiles.

20 LIGHT EFFECTS

FN+X :Turn ON/OFF RGB   FN+\|:Change RGB Modes

Figure 5: The keyboard showcasing its LED backlight effects.

Hot-Swappable Switches

The AK820's high-quality PCB supports 3/5-pin hot-swap switches, allowing you to easily change switches without soldering. This feature enables customization of your typing experience.

- Use the included 2-in-1 key extractor to carefully remove keycaps and switches.
- Align the pins of the new switch with the sockets on the PCB and gently press down until it clicks into place.
- Replace the keycap.

UPGRADED TTC HOT-SWAP SOCKET

AS Red Switch

| 42 ±15g	Actuation Force	2.0 ±0.5mm	Travel Distacen	50M	Clicky Lifespan
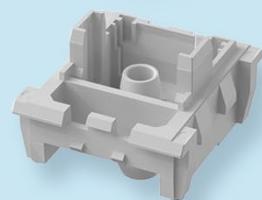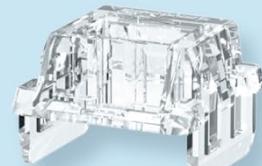
Figure 6: Illustration of the hot-swappable switch mechanism.

Video 1: Demonstrating the unboxing, features, and sound test of the ATTACK SHARK AK820 mechanical keyboard, including its hot-swappable switches and rotary knob.

N-Key Rollover (NKRO)

The AK820 supports N-Key Rollover, meaning that every key press is registered independently, even when multiple keys are pressed simultaneously. This is crucial for fast-paced gaming and accurate typing, preventing

Related Documents - **AK820**

	[Attack Shark AKS068 Wired Mechanical Gaming Keyboard User Manual](#) Comprehensive user manual for the Attack Shark AKS068 wired mechanical gaming keyboard. Learn about its 65% Alice layout, hot-swappable switches, gasket mount, RGB backlighting, VIA programmability, and compatibility with Windows and macOS.
	[Attack Shark M71 Wireless Keyboard User Manual](#) Comprehensive user manual for the Attack Shark M71 wireless keyboard, detailing specifications, operation, connectivity, and troubleshooting for 2.4G, Bluetooth, and wired modes. Includes information on RGB lighting and hot-swappable switches.
	[Attack Shark K86 RGB Mechanical Keyboard Operating Instructions](#) Comprehensive operating instructions for the Attack Shark K86 RGB Mechanical Keyboard, covering Bluetooth and wired connections, lighting controls, hot-swappable switches, and multimedia functions.
	[ATTACK SHARK X85 Mechanical Keyboard User Manual](#) Comprehensive user manual for the ATTACK SHARK X85 75% Gasket Mount Hot-swappable Mechanical Keyboard, covering specifications, setup, usage, and troubleshooting.
	[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 X87 Keyboard User Manual and Operating Instructions](#) Comprehensive guide for the Attack Shark X87 keyboard, covering wired and wireless connectivity, RGB lighting, battery indicators, multimedia functions, and hot-swappable switch operation. Includes FCC compliance information.