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DAIDAI AK820

Ajazz AK820 75% Wired Gasket Mechanical Gaming Keyboard User Manual

Model: AK820 | Brand: DAIDAI

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1. INTRODUCTION

Thank you for purchasing the Ajazz AK820 75% Wired Gasket Mechanical Gaming Keyboard. This manual provides detailed instructions on how to set up, operate, and maintain your new keyboard. The AK820 is designed for an enhanced typing and gaming experience, featuring a gasket structure, programmable RGB lighting, hot-swappable switches, and a convenient volume knob.



Figure 1.1: Ajazz AK820 Mechanical Gaming Keyboard (Black Gray Yellow variant).

2. KEY FEATURES

- **Gasket Structure:** Features precision-locked covers and gaskets for noise reduction and a flexible, softer typing feel with even feedback and vertical cushioning. This design minimizes rigid noise and enhances typing comfort.
- **Volume Knob:** A dedicated non-slip metal knob for quick and precise volume adjustments, including play/pause functionality.
- **PBT Keycaps:** Durable two-color injection molded PBT keycaps designed for longevity and clear RGB light transmission.
- **Immersive RGB Lighting:** South-facing LED design with over 20 default lighting modes. Compatible software allows for personalized lighting effects and full programmability.
- **Hot-Swappable Switches:** Supports 3/5-pin PCB mounting, allowing for easy installation and replacement of switches without soldering. Comes with pre-lubricated custom linear switches (Sea Salt Purple Switch).
- **Compact 75% Layout:** An 81-key layout that saves approximately 15% desktop space while retaining essential functionality, making it portable and efficient.
- **Detachable Wired Design:** Ensures stable and reliable connectivity without delays, offering a plug-and-play experience.
- **Ergonomic Design:** Includes an adjustable bracket for customizing the typing angle to enhance comfort during extended use.
- **Multi-Layer Noise Reduction:** Incorporates Poron sandwich cotton, IXPE under-axis pad, PET premium

sound pad, and bottom cotton for a quieter and softer typing experience.

- **Programmable Keys:** All keys are programmable via compatible software, allowing for custom key assignments and macro creation.



Figure 2.1: Overview of AK820's main features.

Gasket Structure

Multi Layer Soundproof Cotton Filling Greatly Reduces Hollow Sound and Provides you with a Soft Typing Experience

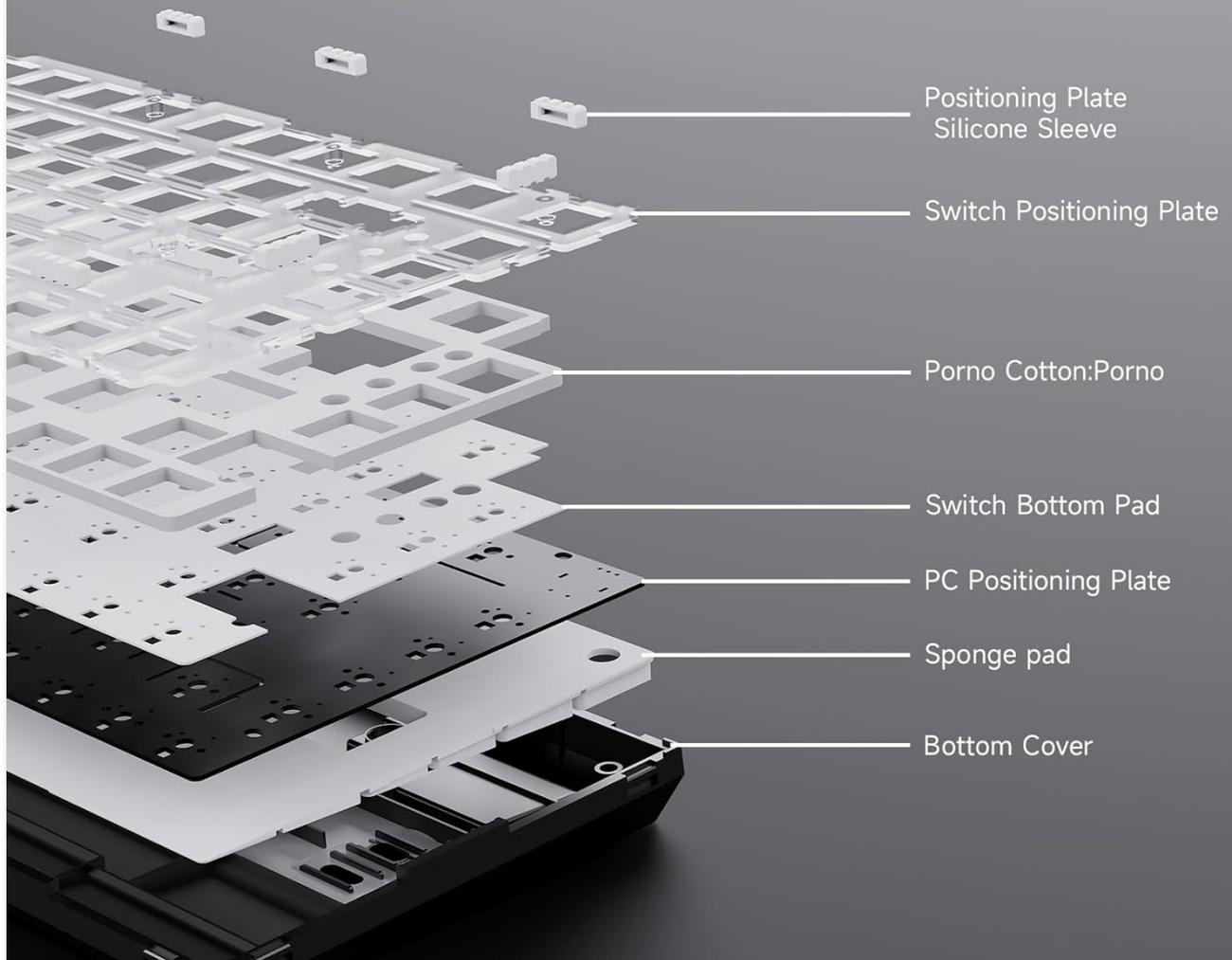


Figure 2.2: Detailed view of the Gasket Structure components.

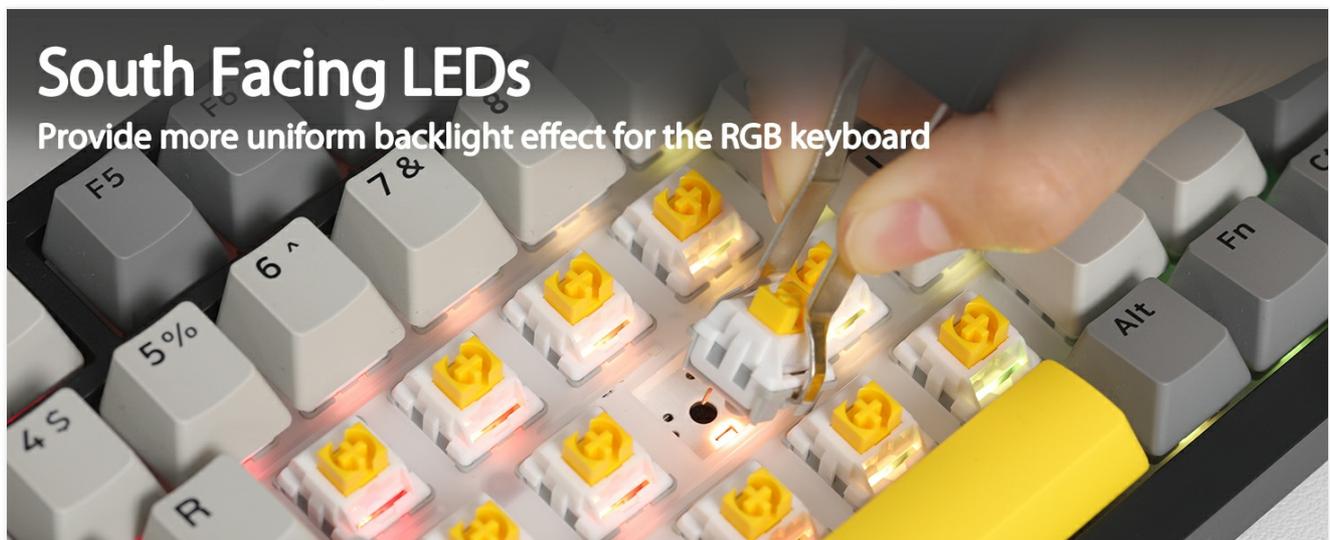


Figure 2.3: Sea Salt Purple Switch specifications, highlighting comfortable, soft, and quiet typing.

3. PACKAGE CONTENTS

Please check the package contents upon unboxing to ensure all items are present:

- Ajazz AK820 Mechanical Gaming Keyboard
- Detachable USB-C Cable
- Keycap Puller
- User Manual (this document)

4. SETUP GUIDE

1. **Unpack the Keyboard:** Carefully remove the keyboard and its accessories from the packaging.
2. **Connect the USB Cable:** Insert the USB-C end of the provided cable into the port on the keyboard. Connect the other end (USB-A) to an available USB port on your computer (Laptop or PC).
3. **Initial Recognition:** Your computer should automatically detect and install the necessary drivers for the keyboard. This may take a few moments.
4. **Adjust Typing Angle:** Flip out the adjustable feet on the underside of the keyboard to set your preferred typing angle for ergonomic comfort.



Figure 4.1: Connecting the Ajazz AK820 keyboard.

5. OPERATING INSTRUCTIONS

5.1 Volume Knob Functionality

The multi-function knob located on the top right of the keyboard controls audio settings:

- **Turn Clockwise:** Increase volume.
- **Turn Counter-Clockwise:** Decrease volume.
- **Press Down:** Play/Pause media.



Figure 5.1: Volume Knob operation.

5.2 RGB Lighting Control

The AK820 features dynamic RGB backlighting with various modes and customization options:

- **Switch Lighting Modes:** Press **FN** + **|** (backslash key) to cycle through over 20 default RGB lighting effects.
- **Turn On/Off Backlight:** Press **FN** + **X** to toggle the backlight on or off.
- **Software Customization:** For advanced customization, including per-key RGB lighting and macro programming, download the official Ajazz software. Refer to the official Ajazz website for software downloads

and detailed instructions.



Figure 5.2: RGB Backlight Modes and controls.



Figure 5.3: Software customization for programmable keys and RGB lighting.

6. MAINTENANCE

6.1 Cleaning the Keyboard

- **General Cleaning:** Use a soft, lint-free cloth slightly dampened with water or a mild cleaning solution to wipe down the keycaps and keyboard frame. Avoid excessive moisture.
- **Dust Removal:** Use compressed air to remove dust and debris from between the keycaps.
- **Deep Cleaning:** For a more thorough clean, you can remove the keycaps using the provided keycap puller. Clean the keycaps separately with mild soap and water, ensuring they are completely dry before reattaching.

6.2 Replacing Keycaps and Switches (Hot-Swappable)

The AK820 features hot-swappable switches, allowing for easy replacement without soldering.

1. **Remove Keycap:** Use the provided keycap puller to gently pull up the desired keycap until it detaches from the switch.
2. **Remove Switch:** Use a switch puller (not included, but often comes with replacement switches) to carefully grip the switch and pull it straight up from the PCB.
3. **Install New Switch:** Align the pins of the new 3-pin or 5-pin switch with the holes on the PCB. Gently push the switch down until it clicks into place. Ensure the switch is seated firmly and straight.
4. **Reattach Keycap:** Place the keycap onto the new switch and press down firmly until it snaps into place.

Hot Swappable

PCB Supports Most 3/5 pin Switch on the Market



Figure 6.1: Hot-swappable switches and keycap removal.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Keyboard not responding	Loose USB connection, faulty USB port, driver issue.	<ul style="list-style-type: none">• Ensure the USB cable is securely connected to both the keyboard and the computer.• Try connecting to a different USB port on your computer.• Restart your computer.• Check Device Manager (Windows) or System Information (macOS) to see if the keyboard is recognized. Reinstall drivers if necessary.

Problem	Possible Cause	Solution
RGB lighting not working	Lighting turned off, software conflict.	<ul style="list-style-type: none"> Press FN + X to ensure the backlight is on. Press FN + I to cycle through lighting modes. If using customization software, ensure it is running correctly and not conflicting with default settings.
Keys not registering or double-typing	Dust/debris under keycap/switch, faulty switch.	<ul style="list-style-type: none"> Remove the keycap and use compressed air to clean around the switch. If the issue persists, the switch may be faulty. Utilize the hot-swappable feature to replace the problematic switch.

8. PRODUCT SPECIFICATIONS

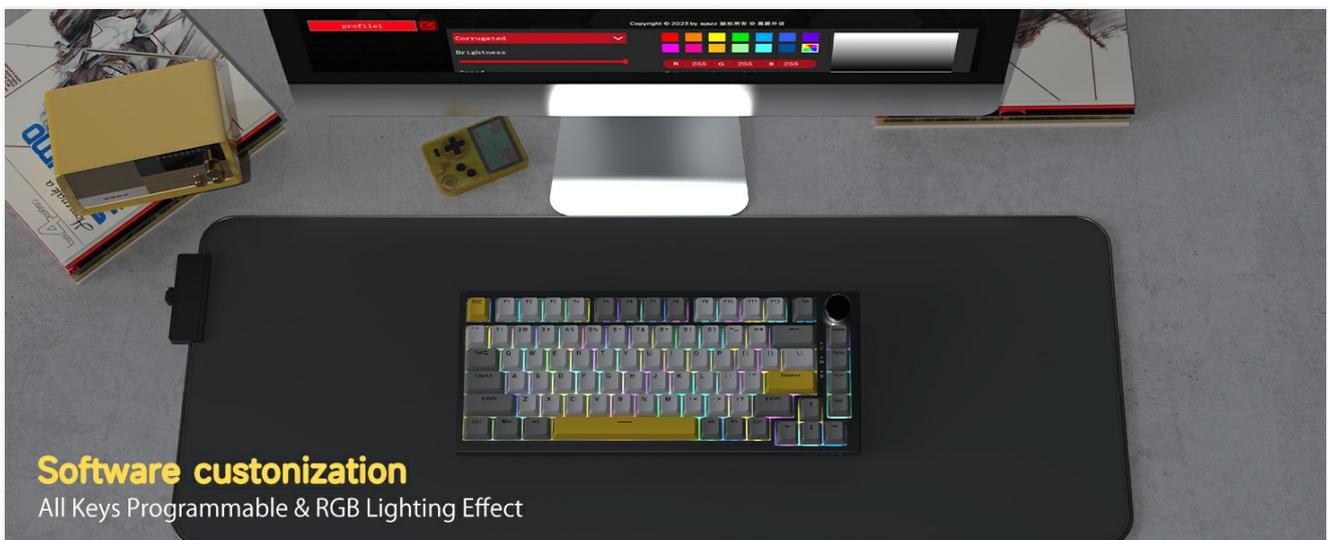
Feature	Detail
Model Number	AK820
Layout	75% (81 Keys + 1 Knob)
Connectivity	Wired (Detachable USB-C)
Switch Type	Mechanical (Pre-lubricated Sea Salt Purple Linear Switches)
Keycap Material	PBT (Two-color injection molded)
Backlighting	RGB (South-facing LEDs, 20+ modes, programmable)
Hot-Swappable	Yes (3/5-pin PCB compatible)
Dimensions (L x W x H)	12.87 x 5.35 x 1.57 inches (approx. 32.7 x 13.6 x 4 cm)
Item Weight	14.1 ounces (approx. 400 grams)
Compatible Devices	Laptop, PC
Manufacturer	AJAZZ

81 Keys + Knob Compact Mechanical Keyboard

75% Layout Saves 15% Space and Portable



Figure 8.1: Compact 75% layout of the AK820.



Software customization

All Keys Programmable & RGB Lighting Effect

Figure 8.2: Physical dimensions of the AK820 keyboard.

9. WARRANTY AND SUPPORT

DAIDAI, a brand under AJAZZ, provides a warranty for this product.

- **Warranty Period:** This product is covered by a 12-month warranty from the date of purchase.
- **Support:** If you encounter any issues or have questions regarding your Ajazz AK820 keyboard, please contact the DAIDAI Store US seller directly through the platform where you made your purchase. A professional support team is available to assist you.
- **Manufacturer:** AJAZZ is the manufacturer, specializing in high-performance, high-quality computer peripherals with strict quality control procedures.

For further assistance, please refer to the contact information provided with your purchase or visit the official DAIDAI store page on Amazon: [DAIDAI Store](#).

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