

AJAZZ AK029

AJAZZ AK029 One-Handed Gaming Keyboard User Manual

Model: AK029

1. INTRODUCTION

The AJAZZ AK029 is a high-performance one-handed mechanical gaming keyboard designed for precision and speed. It features a compact 29-key layout, magnetic switches, an 8000Hz polling rate, and 0.01mm RT precision for an ultra-responsive gaming experience. This manual provides detailed instructions for setup, operation, maintenance, and troubleshooting.



Image: The AJAZZ AK029 one-handed gaming keyboard, showcasing its compact design and dimensions (155mm length, 122mm width, 33mm height).



Image: An overview of the AK029 gaming keyboard, highlighting its sleek design and gaming features.



Image: The AK029 keyboard being used in various scenarios, including gaming, video editing, and 3D modeling, demonstrating its versatility.

2. SETUP

Package Contents

- AJAZZ AK029 Keyboard Body
- USB-C Cable (1.6m)
- Keycap Puller
- Spare Switches
- Detachable Carrying Strap
- User Manual



Image: The complete package contents of the AJAZZ AK029, including the keyboard, USB-C cable, keycap puller, spare switches, and user manual.

Connecting the Keyboard

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

3. OPERATING INSTRUCTIONS

Key Functions and Layout

The AK029 features a 29-key layout optimized for gaming and productivity. Many keys have secondary functions accessible via the **Fn** key.



Image: Diagram illustrating the various FN key combinations for accessing secondary functions, such as F1-F6, tilde, and system switching.

- **FN + 1-6:** Switches between number keys (1-6) and function keys (F1-F6). Default is number keys.
- **FN + Esc:** Tilde (~)
- **FN + A:** Switches to Mac mode.
- **FN + S:** Switches to Windows mode.

Note: When using Mac mode on a Windows PC, the Windows key and Alt key functions may be reversed.

RGB Lighting Modes

The keyboard features vibrant RGB backlighting with multiple customizable effects.

カラフルなRGBバックライト

FN+TAB: 20種類のRGB照明効果が切り替え可能



Image: The keyboard displaying its colorful RGB backlight, which can be customized with various effects.

- **FN + Tab:** Cycles through 20 different RGB lighting modes.
- **FN + G:** Increases backlight brightness (5 levels). Backlight flashes 3 times at maximum brightness.
- **FN + F:** Decreases backlight brightness (5 levels). Backlight flashes 3 times at minimum brightness.
- **FN + V:** Changes the direction of the lighting effect.
- **FN + B:** Changes the backlight color.
- **FN + T:** Increases the speed of the lighting effect (5 levels). Backlight flashes 3 times at maximum speed.
- **FN + R:** Decreases the speed of the lighting effect (5 levels). Backlight flashes 3 times at minimum speed.
- **FN + C:** Toggles side light mode (Streaming RGB constant light - Rainbow Breath - Off). Default is Streaming.
- **FN + X:** Toggles backlight on/off (side lights remain on).
- **FN + Space (long press 3-5 seconds)** Resets lighting settings to factory defaults. Keyboard lights flash 3 times.

Indicator Lamps

- **Caps Lock Indicator:** Pressing the Caps Lock key illuminates a white LED (uppercase input ON).

Pressing it again turns off the LED (lowercase input).

- **System Indicator:** The main key area lights flash 3 times to indicate successful system switching.

Web Driver Customization

The dedicated driver software allows for extensive customization of key functions, macros, and RGB lighting effects. This enables true personalization to match individual playstyles and preferences.



Image: Screenshot of the web driver interface, showing options for custom keys, lighting effects, macro management, and performance settings.

Driver Website: <https://ajazz.driveall.cn/#/>

4. MAINTENANCE

Cleaning

- Use a soft, dry cloth to wipe the keyboard surface.
- For dust between keycaps, use compressed air.
- Avoid using harsh chemicals or abrasive materials.

Hot-Swappable Switch Replacement

The AK029 supports hot-swappable magnetic switches, allowing for easy replacement and customization.



Image: Close-up view of the hot-swappable magnetic switches, showing the mechanism and keycap removal tool.

1. Use the keycap puller to gently remove the desired keycap.
2. Use the switch puller to firmly grip the top and bottom tabs of the switch.
3. Pull the switch straight upwards to remove it from the keyboard.
4. Align the pins of the new switch with the holes on the keyboard.
5. Gently push the new switch vertically until it clicks into place.

5. TROUBLESHOOTING

Keyboard Not Responding

- Ensure the USB-C cable is securely connected to both the keyboard and the computer.
- Try connecting the keyboard to a different USB port on your computer.
- Test the keyboard on another computer to rule out a computer-specific issue.

- Restart your computer.

RGB Backlight Not Working or Incorrect

- Ensure the backlight is not turned off (FN + X).
- Adjust brightness using FN + G (increase) and FN + F (decrease).
- Cycle through lighting modes using FN + Tab.
- Perform a factory reset for lighting settings by long-pressing FN + Space for 3-5 seconds.

Key Input Issues or Inaccurate Response

- Ensure the correct system mode (Windows/Mac) is selected using FN + A or FN + S.
- If a specific key is not responding, try replacing its switch using the hot-swap procedure.
- Update the keyboard firmware using the dedicated web driver software.
- Check for any physical obstructions under the keycap or switch.

6. SPECIFICATIONS

Feature	Description
Brand	A.JAZZ
Model	AK029
Connectivity	USB-C Wired
Key Layout	29 Keys (One-Handed)
Switch Type	Magnetic Switches (Hot-Swappable)
Polling Rate	8000Hz
Latency	0.125ms Ultra-Low Latency
RT Precision	0.01mm (0.03mm detection increments)
Scan Rate	130K
Backlight	RGB (20 lighting modes)
Key Rollover	Full N-Key Rollover
Plate Material	Aluminum Alloy
Sound Dampening	5-Layer Structure (PO sandwich cotton, IXPE switch pad, PET sound sheet, EPDM cotton, silicone gel)
Ergonomics	Ergonomic design with stepped curved keycaps and wrist rest
Compatible OS	Windows, MAC
Dimensions	155mm (L) x 122mm (W) x 33mm (H)
Weight	Approx. 300g
Cable Length	1.6m

1. 基本仕様

ブランド: AJAZZ

モデル: AK029

接続方式: USB有線

インターフェース: 着脱式Type-Cケーブル

製品サイズ: 155×122×33mm

ライティング: RGB (20種類の照明モード)

外装素材: ABS樹脂

ケーブル長: 1.6m

重量: 約300g

キーレイアウト: 29キー

キーマトリクス: 全キー同時押し対応

対応OS: Windows Vista/XP/7/8/10/11、Macなど

Image: Detailed basic specifications of the AK029 keyboard, including brand, model, connectivity, dimensions, and lighting.

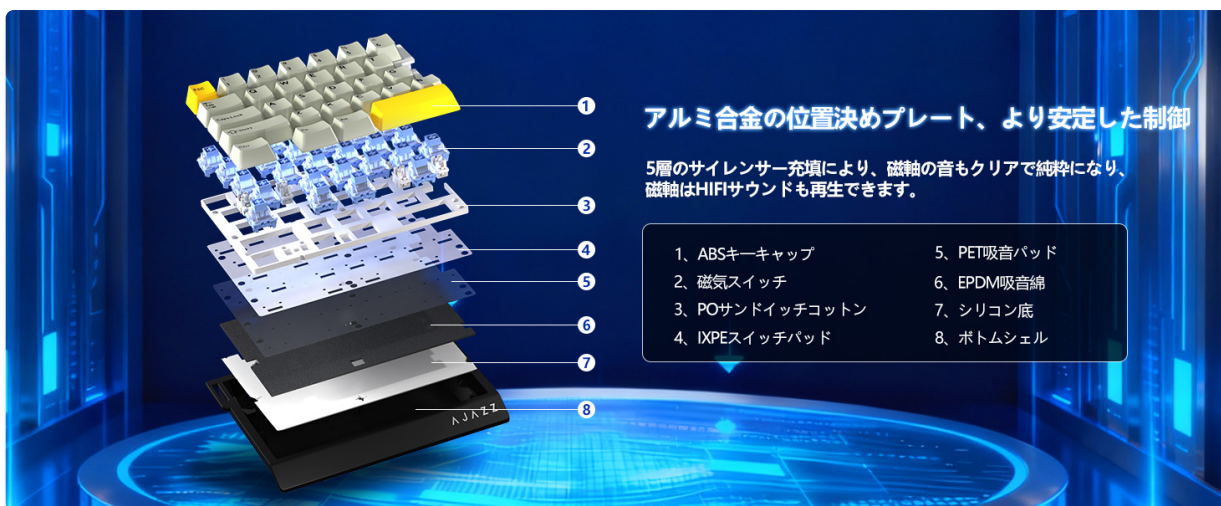


Image: Exploded view of the keyboard's internal structure, highlighting the 5-layer sound dampening system and aluminum alloy plate for enhanced stability and acoustics.



Image: Illustration of the ergonomic design of the AK029, featuring stepped keycaps and a wrist rest for comfortable long-term use.

7. WARRANTY AND SUPPORT

Warranty Information

The AJAZZ AK029 keyboard comes with a 1-year manufacturer's warranty from the date of purchase. This warranty covers defects in materials and workmanship under normal use.

Customer Support

For technical assistance, warranty claims, or any other inquiries, please contact AJAZZ customer support through their official website or the retailer where the product was purchased.

Official Website: <https://ajazz.driveall.cn/#/>