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› AJAZZ AK820 Pro 75% Gasket RGB Wireless Mechanical Keyboard with TFT Screen, Volume knob, Bluetooth/2.4G/Wired 3-Modes, Compact 82 Hot-Swap Keys, Tricolor PBT Keycap, 4000 mAh (Purple&Blue 3-Modes) User Manual

Lomiluskr AK820 Pro

AJAZZ AK820 Pro 75% Gasket RGB Wireless Mechanical Keyboard User Manual

Model: AK820 Pro

INTRODUCTION

Thank you for choosing the AJAZZ AK820 Pro 75% Gasket RGB Wireless Mechanical Keyboard. This compact 82-key keyboard is designed for versatility and performance, featuring a multi-function TFT screen, tri-mode connectivity (Bluetooth, 2.4G wireless, and wired USB-C), hot-swappable switches, and customizable RGB backlighting. Its robust gasket structure and PBT keycaps ensure a comfortable and durable typing experience. This manual provides detailed instructions for setup, operation, maintenance, and troubleshooting to help you get the most out of your new keyboard.

WHAT'S IN THE BOX

- AJAZZ AK820 Pro Mechanical Keyboard
- Detachable TYPE-C Cable
- Keycap Puller
- Switch Puller
- User Manual

KEY FEATURES

Multi-Function TFT Screen

The AK820 Pro features an innovative multi-function color display screen and a volume knob. This screen allows for customization of GIF images (via driver software), RGB mode settings, Win/Mac mode switching, connection mode display, and backlight brightness/speed adjustments. It adds both functionality and aesthetic appeal to your workspace.

0.85" TFT Color Display Screen

The innovative multi-function color display allows you to customize GIF image (via driver), RGB mode, Win/Mac, connection mode, backlight brightness/speed, etc., adding fun to your office or game

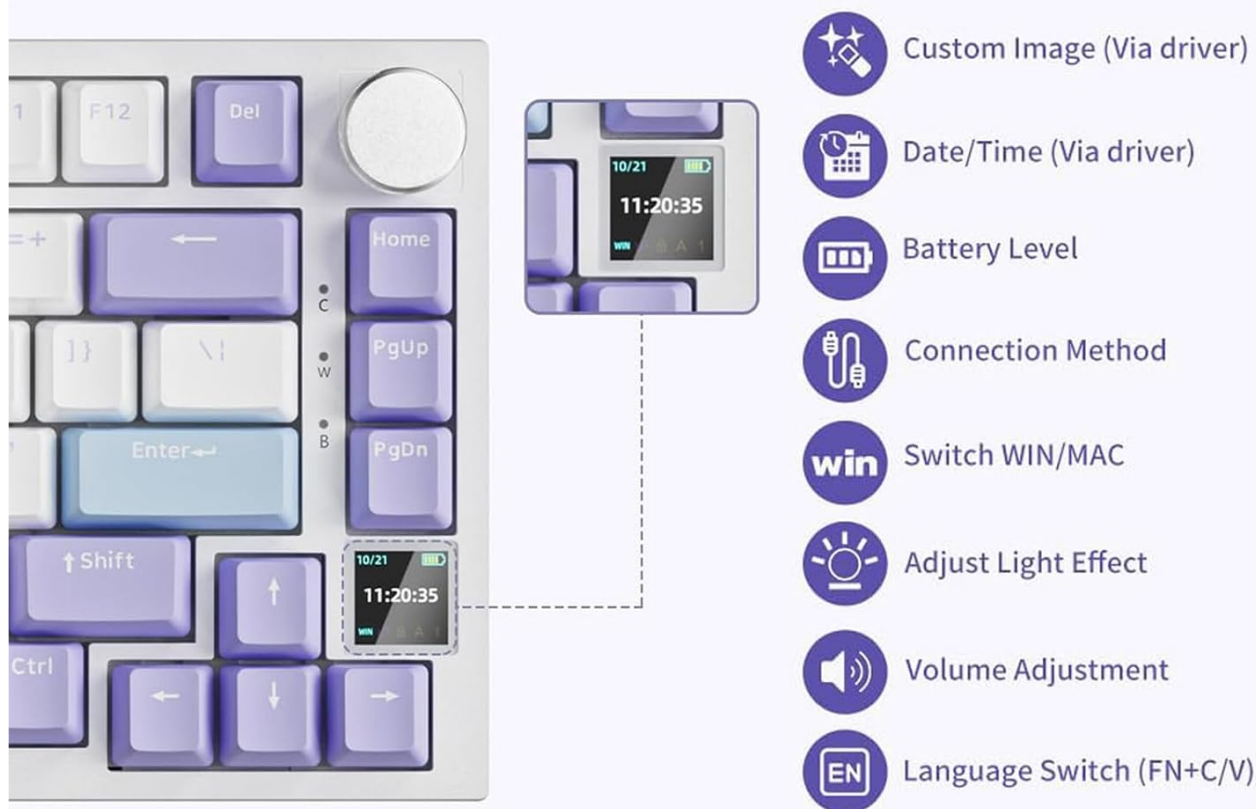


Image: The 0.85-inch TFT color display screen provides real-time information and customization options for your keyboard settings.

Bluetooth/2.4G/Wired 3-Modes Connectivity

This keyboard offers three versatile connection modes:

- **Bluetooth Mode:** Ideal for mobile devices (phones, tablets, laptops) without USB ports, offering strong compatibility and a cable-free experience.
- **2.4G Wireless Mode:** Utilizes a USB receiver for a tidy, cable-free desktop, suitable for PCs and laptops.
- **Wired Mode:** Connects via the detachable USB-C cable, providing responsive and fast performance while simultaneously charging the keyboard. Suitable for PCs and laptops.

Bluetooth / 2.4G / Wired 3-Modes

[Bluetooth mode] No need for USB ports, strong compatibility. Suitable for connecting mobile devices without USB ports. such as mobile phones, tablets, laptops.

[2.4G mode] No cables required, the desktop is more tidy. Suitable for connecting to PC and laptop. (USB port required)

[Wired Mode] Responsive and fast, and can charge the keyboard. Suitable for connecting to PC and laptop. (USB port required)

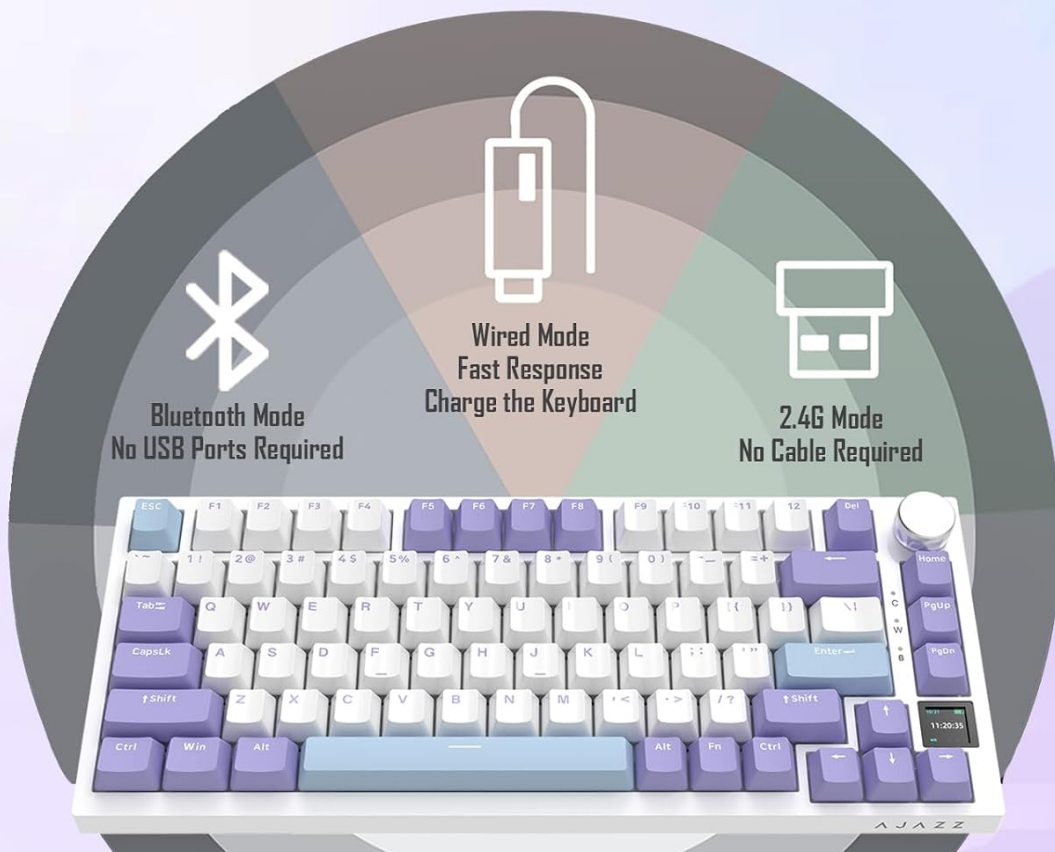
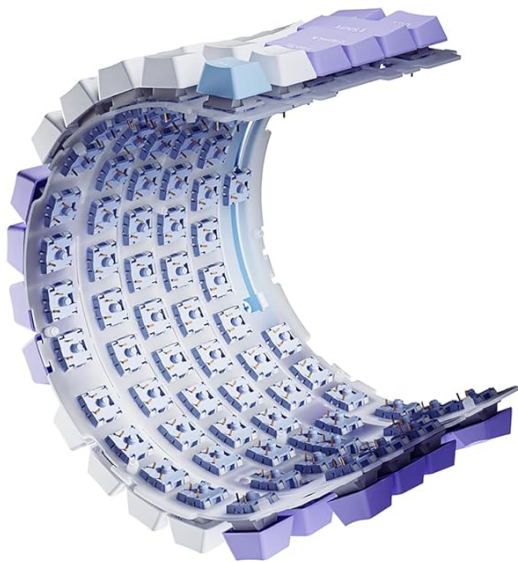


Image: Visual representation of the keyboard's multi-mode connectivity options.

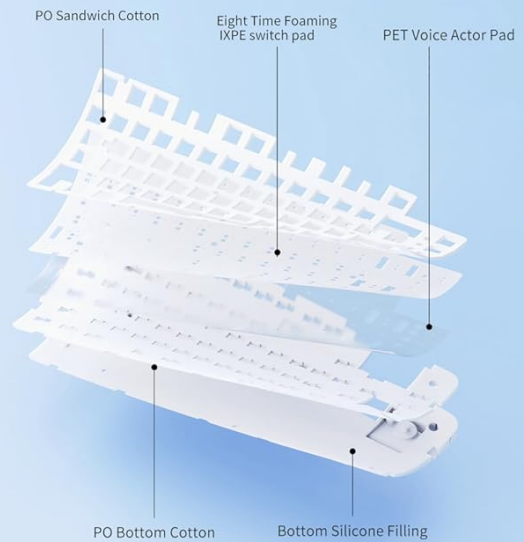
75% Hot-Swap Gasket Keyboard

The 82-key layout saves desktop space while retaining essential keys. It features a gasket-mounted design for a softer, more cushioned typing feel. The keyboard is hot-swappable, compatible with 3/5-pin mechanical switches, allowing you to easily change switches without soldering. The durable tricolor PBT keycaps offer superior aesthetics and longevity compared to ABS keycaps. Internal multi-layer noise reduction cotton, Poron sandwich cotton, IXPE under-axis pad, PET premium sound pad, and bottom cotton contribute to a refined acoustic profile. The PCB features a slotted design for each button, enhancing key stability.

Gasket Structure



Five Layers of Padding



1.2mm Single Key Slotted PCB



Slotted PC Positioning Plate

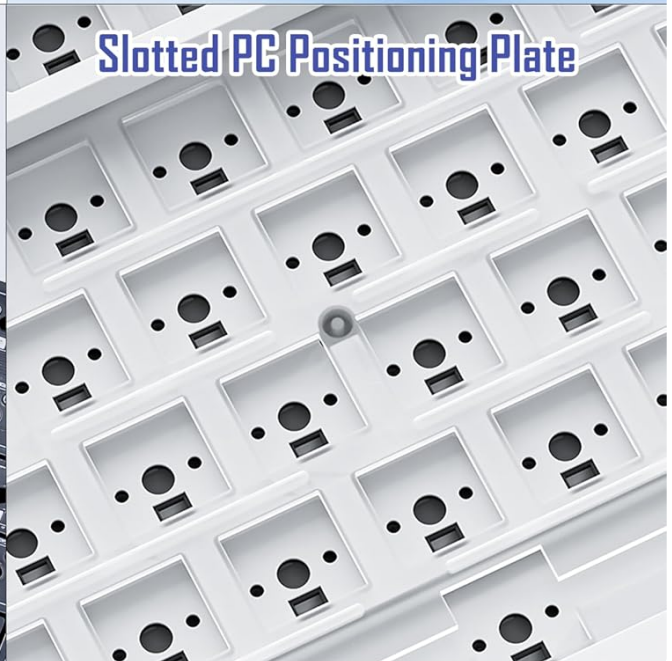


Image: Detailed view of the keyboard's gasket structure, internal padding layers, and hot-swappable PCB design.

Programmable RGB Backlit

The keyboard features customizable RGB backlighting with a south-facing design. You can switch between 20 default lighting modes using "FN+|". Adjust brightness, speed, and direction of the backlight with FN key combinations. For advanced customization, use the driver software to create personalized lighting effects.



RGB Backlight

Fn +  Switch light effect

Fn +  Turn on/off light

Fn +   Adjust light brightness

Fn +   Adjust light direction

Fn +   Adjust light speed

Image: The keyboard showcasing its RGB backlighting and the function key shortcuts for light control.

4000mAh Built-in Lithium Battery

Equipped with a high-capacity 4000mAh lithium battery, the keyboard provides extended usage. Under normal conditions, it can be used for approximately 24 hours with the backlight on and up to 51 hours with the backlight off. Actual usage time may vary based on intensity and settings.

All Keys Hot-Swappable

Compatible with 3/5-pin switches
you can freely change the switches to suit your typing habits



Adjustable RGB Backlight

16.8 million adjustable colors RGB backlight, you can quickly switch the lighting effect, light brightness, direction, speed through the FN key combination. You can also make more personalized settings through the driver.



4000mAh High-Capacity Battery

4000mAh lithium battery, with low-power chip and energy-saving technology, makes the battery life longer

About **51H** Wireless Trun Off. Light Life
About **24H** Wireless Streamer. Light Life
About **10H** Charging Time



Two-stage Adjustable Footrest

The two-stage footrest design allows you to choose the right angle according to your preferences
The bottom is equipped with a non-slip rubber pad to bring a more stable input experience

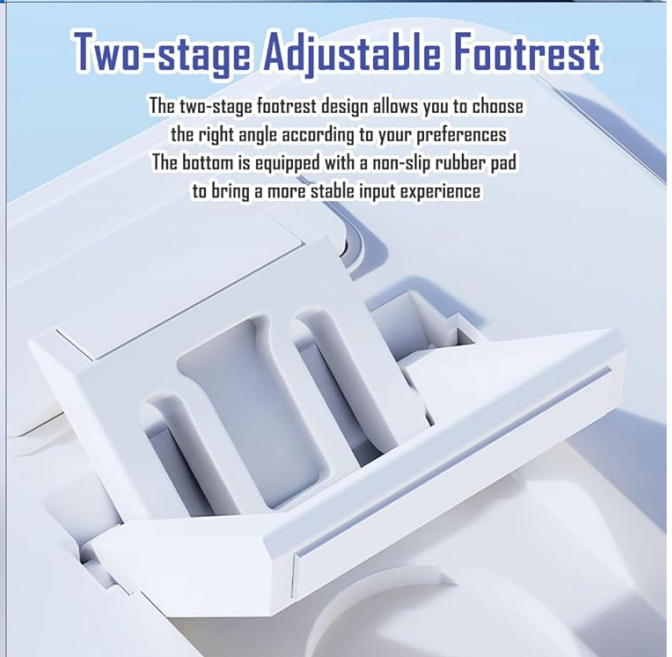


Image: The keyboard highlighting its 4000mAh battery capacity and estimated usage times.

SETUP

Charging the Keyboard

Before first use, or when the battery is low, connect the keyboard to a USB power source using the provided USB-C cable. The keyboard can be used in wired mode while charging.

Connecting the Keyboard

The AK820 Pro supports three connection modes:

- **Wired Connection:** Connect the USB-C cable to the keyboard's port and the other end to your computer's USB-A port. The keyboard will automatically switch to wired mode.
- **2.4G Wireless Connection:** Insert the 2.4G USB receiver into an available USB port on your computer.

Ensure the keyboard's mode switch (usually on the back or side) is set to 2.4G. The keyboard should connect automatically.

- **Bluetooth Connection:**
 - a. Set the keyboard's mode switch to Bluetooth.
 - b. On your device (computer, tablet, smartphone), enable Bluetooth and search for new devices.
 - c. Select "AJAZZ AK820 Pro" from the list of available devices to pair.
 - d. Follow any on-screen prompts to complete the pairing process.

Operating System Switch

Use the appropriate function key combination (refer to the keyboard's markings or included quick guide) to switch between Windows and Mac layouts if needed. This ensures correct key mapping for your operating system.

OPERATING INSTRUCTIONS

TFT Screen Functions

The TFT screen provides quick access to various settings. Use the volume knob to navigate through menus and press it to select options. Functions include:

- **Custom GIF Images:** Upload and display custom GIFs via the driver software.
- **RGB Mode:** Cycle through and select different RGB lighting effects.
- **Win/Mac Mode:** Toggle between Windows and macOS compatibility modes.
- **Connection Mode:** View the current connection mode (Wired, 2.4G, Bluetooth).
- **Backlight Brightness/Speed:** Adjust these parameters directly from the screen.

RGB Backlight Control

Control the RGB backlighting using the following key combinations:

- **FN + |:** Switch between 20 default lighting modes.
- **FN + Up Arrow:** Increase backlight brightness.
- **FN + Down Arrow:** Decrease backlight brightness.
- **FN + Left Arrow:** Change light direction.
- **FN + Right Arrow:** Change light direction.
- **FN + - / =:** Adjust light speed.
- **FN + X:** Turn on/off backlight.

Volume Knob

The metal volume knob allows for quick and precise volume adjustments. Rotate to change volume, press to mute/unmute.

Hot-Swapping Switches

To replace switches:

1. Gently remove the keycap using the provided keycap puller.
2. Use the switch puller to carefully grip and pull out the switch.

3. Align the pins of the new switch with the holes on the PCB.
4. Press the new switch firmly into place until it clicks. Ensure pins are not bent.
5. Replace the keycap.

MAINTENANCE

Regular maintenance helps prolong the life and performance of your keyboard:

- **Cleaning Keycaps:** Use a soft, damp cloth to wipe down keycaps. For deeper cleaning, remove keycaps and wash them with mild soap and water, ensuring they are completely dry before reattaching.
- **Cleaning the Board:** Use compressed air to remove dust and debris from between the keys. A soft brush can also be used.
- **Avoid Liquids:** Do not spill liquids on the keyboard. If a spill occurs, 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.

TROUBLESHOOTING

Keyboard Not Responding

- Ensure the USB-C cable is securely connected in wired mode.
- For wireless modes, check if the keyboard is charged.
- Verify the mode switch (Wired/2.4G/Bluetooth) is set correctly.
- Try connecting to a different USB port or device.

Bluetooth Connectivity Issues

- Ensure the keyboard is in Bluetooth pairing mode.
- Remove the keyboard from your device's Bluetooth list and attempt to re-pair.
- Ensure your device's Bluetooth is enabled and functioning correctly.
- Move the keyboard closer to your device to rule out range issues.

RGB Backlight Not Working/Incorrect

- Check if the backlight is turned off (FN + X).
- Adjust brightness using FN + Up/Down Arrow keys.
- Ensure the keyboard is not in a low-power state. Charge if necessary.
- If using driver software, ensure it is updated and settings are applied correctly.

Keys Not Registering or Double-Typing

- Carefully remove the keycap and switch for the affected key.
- Inspect the switch pins for any bends or damage. Straighten gently if bent.

- Reinsert the switch firmly. If the issue persists, try replacing the switch with a known working one.
- Ensure no debris is lodged under the switch.

SPECIFICATIONS

Feature	Detail
Product Dimensions	12.87 x 5.35 x 1.57 inches (327 x 136 x 40 mm)
Item Weight	1.79 pounds (810 g)
Manufacturer	Lomilusk
ASIN	B0DP7VX6MD
Country of Origin	China
Batteries	1 P76 battery required (included)
Brand	Lomilusk
Compatible Devices	Laptop, PC, Tablet, Smartphone
Connectivity Technology	Bluetooth, 2.4G Wireless, USB-C (Wired)
Keyboard Description	Mechanical
Recommended Uses	Everyday Use, Gaming
Special Features	Portable, Volume Roller, Backlit (RGB), Rechargeable, Hot-Swappable, TFT Screen
Color	Purple&Blue 3-Modes
Number of Keys	82
Keyboard Backlighting	RGB
Keycap Material	Tricolor PBT (OEM Height)
Shell Material	ABS
Cable Length	PVC 1.6m
Support System	Windows/Mac/iOS/Android

WARRANTY AND SUPPORT

All AJAZZ products undergo quality inspection before shipping. If you encounter any quality issues with your keyboard within one year of purchase, we offer a refund or a free replacement. For any questions or support needs, please feel free to contact us through the retailer or manufacturer's official support channels. Please retain your proof of purchase for warranty claims.

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question