

EPOMAKER EPAK820PRO20250522

EPOMAKER Ajazz AK820 Pro User Manual

Model: EPAK820PRO20250522

1. PRODUCT OVERVIEW

The EPOMAKER Ajazz AK820 Pro is a 75% wireless mechanical keyboard designed for enthusiasts and professionals. It features a TFT Smart Display and a multi-function knob, offering versatile connectivity options including Bluetooth, 2.4GHz wireless, and USB-C wired modes. The keyboard is built with a gasket-mounted design and a flex-cut PC plate and PCB for a comfortable and precise typing experience. It also boasts south-facing LEDs with 1.6 million RGB color combinations and is compatible with both Mac and Windows operating systems.



Image: Top-down view of the EPOMAKER Ajazz AK820 Pro keyboard, showcasing its 75% layout, purple and white keycaps, and the smart display and knob.

Key features include:

- TFT Screen:** An interactive interface for real-time updates, customizable visuals, battery status, date & time, connectivity, OS display, and backlight effects.
- 75% Compact Design:** Maximizes desk space while retaining essential keys, offering portability and a sleek

aesthetic.

- **Triple Connectivity:** Seamlessly switch between Bluetooth 5.1, 2.4GHz wireless, and USB-C wired modes for efficient multitasking.
- **Gasket-mounted & Flex-cut PC Plate and PCB:** Provides a cushioned, precise, and stable typing experience by reducing vibration and noise.
- **South-facing LEDs with 1.6M RGB:** Offers vibrant, customizable backlighting with superior shine-through capabilities.
- **Mac/Win Compatibility:** Fully compatible with both macOS and Windows operating systems, with easy mode switching via the TFT screen.

Video: A short overview of the Ajazz AK820 Pro mechanical keyboard, highlighting its design and features.

2. PACKAGE CONTENTS

Upon unboxing your EPOMAKER Ajazz AK820 Pro keyboard, please ensure all the following items are present:

- EPOMAKER Ajazz AK820 Pro Keyboard
- USB-C Cable
- 2.4GHz Wireless Dongle
- Keycap Puller

Programmable Software

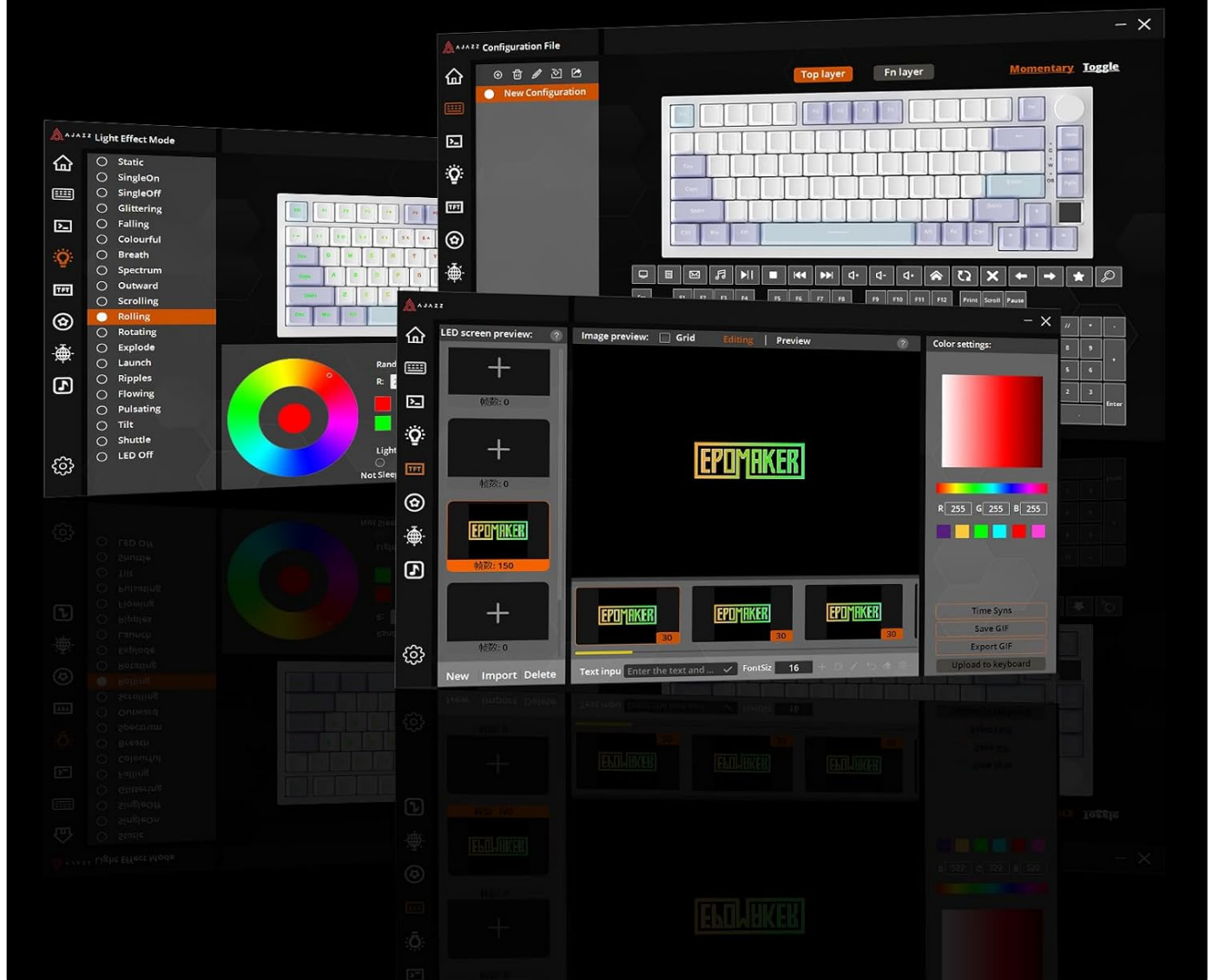


Image: The EPOMAKER Ajazz AK820 Pro keyboard with its packaging, USB-C cable, and keycap puller laid out.

3. SETUP GUIDE

3.1 Initial Charging

Before first use, it is recommended to fully charge the keyboard. Connect the included USB-C cable to the keyboard's USB-C port and the other end to a power source (e.g., computer USB port, wall adapter). The keyboard features a 4000mAh battery for extended use.



Image: Illustration showing the keyboard with a 4000mAh rechargeable battery indicator.

3.2 Adjustable Stand

The keyboard is equipped with an adjustable stand on the underside, allowing you to set your preferred typing angle for ergonomic comfort.



Image: Close-up of the keyboard's adjustable stand on the underside.

3.3 Battery Indicator

The keyboard features a battery indicator integrated into the 'W' key area, providing a visual cue for the current battery level.



Image: Close-up of the 'W' key area showing the battery indicator light.

4. CONNECTIVITY OPTIONS

The Ajazz AK820 Pro offers three modes of connectivity for ultimate versatility:

- **USB-C Wired Mode:** Connect directly to your device using the provided USB-C cable.
- **2.4GHz Wireless Mode:** Use the included 2.4GHz dongle for a stable and fast wireless connection (FN+R).
- **Bluetooth Mode:** Connect wirelessly via Bluetooth 5.1 for quick pairing and power efficiency (FN+Q/W/E).

Triple Connectivity for Ultimate Versatility



Image: Diagram illustrating the three connectivity modes: USB-C wired, 2.4GHz wireless, and Bluetooth, with various devices.

4.1 System Compatibility Switch

Easily switch between Windows and Mac operating system modes using the dedicated switch on the keyboard's underside or via the TFT screen.



Image: Close-up of the physical switch on the keyboard to toggle between Windows and Mac modes.

5. TFT SMART DISPLAY & KNOB FUNCTIONS

The AK820 Pro features an interactive TFT screen that provides real-time information and customization options. The high-definition display can show customizable visuals, battery status, date & time, connectivity status, and operating system display. The integrated knob allows for easy volume control and other customizable actions.



Image: Close-up of the 0.85-inch TFT screen on the keyboard, showing various display options like date, time, battery, and custom GIF images.

6. CUSTOMIZATION AND SOFTWARE

The keyboard offers extensive customization through its dedicated software, allowing you to personalize RGB lighting effects, remap keys, and manage other settings. The south-facing LEDs provide vibrant illumination with 1.6 million color combinations.



Image: Screenshot of the keyboard's programmable software interface, showing options for lighting, key remapping, and display customization.

6.1 Backlight Settings

Control the keyboard's backlight directly using function key combinations:

- **FN + ↑**: Increase Backlight Brightness
- **FN + ↓**: Decrease Backlight Brightness
- **FN + **: Switch Backlight Effect
- **FN + X**: Turn On/Off Backlight
- **FN + SPACE BAR**: Reset the Keyboard



Image: Visual guide showing the function key combinations for adjusting backlight settings.

7. KEY SWITCHES AND TYPING EXPERIENCE

The Ajazz AK820 Pro features a gasket-mounted design coupled with a flex-cut PC plate and PCB. This construction isolates the plate and PCB from the case, significantly reducing vibration and noise, resulting in a softer and more consistent typing feel. The flex-cut design allows for a slightly flexible yet stable keypress, ensuring both cushioning and precision.

AK820 PRO

75% Layout Mechanical Keyboard with 0.85" TFT Screen



Pixel Screen



75% Layout



3 Modes



Hot-Swap



Full RGB



Knob Design



4000mAh
Battery



Custom Driver

Image: Exploded view diagram showing the internal layers of the keyboard, including keycaps, top case, switches, plate, Poron sandwich cotton, IXPE switch pad, PET sound enhancement pad, PCBA, bottom cotton, bottom silicone sandwich, and bottom case.

7.1 Hot-Swappable Switches

The keyboard supports hot-swappable switches, allowing users to easily change out switches without soldering. This provides flexibility for customization and maintenance.

Triple Connectivity for Ultimate Versatility



Image: Close-up showing a keycap and switch being removed from the keyboard, highlighting the hot-swappable socket.

Video: A comparison video demonstrating the sound and feel of the Ajazz Flying Fish Switch versus the Ajazz Gift Switch.

8. SPECIFICATIONS

Feature	Detail
Product Dimensions	5.35 x 1.57 x 12.87 inches
Item Weight	2.27 pounds

Manufacturer	EPOMAKER
ASIN	B0CMWK8YGY
Country of Origin	China
Item Model Number	EPAK820PRO20250522
Batteries	1 D batteries required.
Date First Available	October 31, 2023
Compatible Devices	Laptop, PC, Tablet
Connectivity Technology	Bluetooth, 2.4G Wireless, USB-C
Keyboard Description	Gaming, Mechanical, Wireless
Recommended Uses	Office, Gaming, Business
Special Feature	Volume Roller, Ergonomic, Backlit, Customizable Display Keys, Hot-Swappable
Color	White Purple
Number of Keys	81
Keyboard Backlighting	RGB
Style	Classic

9. TROUBLESHOOTING

9.1 Connectivity Issues

- **Keyboard not connecting:** Ensure the keyboard is charged. Verify the correct mode (Bluetooth, 2.4GHz, or wired) is selected using the switch on the underside. For Bluetooth, ensure your device's Bluetooth is enabled and the keyboard is in pairing mode. For 2.4GHz, ensure the dongle is securely plugged into your device.
- **Intermittent connection:** Try moving the keyboard closer to your device or the 2.4GHz dongle to reduce interference. Ensure no other wireless devices are causing interference.

9.2 Backlight Not Working/Incorrect Colors

- **No backlight:** Press FN + X to ensure the backlight is not turned off. Check brightness with FN + ↑.
- **Incorrect colors/effects:** Use the customization software to reset or reconfigure RGB settings. Try pressing FN + SPACE BAR to reset the keyboard to factory default settings.

9.3 TFT Screen Issues

- **Screen blank/frozen:** Ensure the keyboard is powered on and charged. Try restarting the keyboard. If using custom GIFs, ensure the file is compatible and correctly uploaded via the software.

9.4 Keys Not Responding

- **Specific keys:** If individual keys are not responding, they might be dirty or the switch might be faulty. Use the keycap puller to remove the keycap and switch, then inspect for debris. If the switch is faulty, replace it with a new one (due to hot-swappable design).
- **Multiple keys:** Ensure the keyboard is properly connected. Try resetting the keyboard (FN + SPACE BAR).

10. MAINTENANCE

- **Cleaning:** Regularly clean the keyboard with a soft, dry cloth. For deeper cleaning, use a keycap puller to remove keycaps and gently brush away dust and debris from the switches and plate. Avoid using harsh chemicals or abrasive materials.
- **Storage:** Store the keyboard in a cool, dry place away from direct sunlight and extreme temperatures.
- **Battery Care:** To prolong battery life, avoid fully discharging the keyboard frequently. Charge it regularly, especially if storing for extended periods.

11. WARRANTY AND SUPPORT

For detailed warranty information and technical support, please refer to the official EPOMAKER website or contact their customer service. A PDF version of the user manual is also available for download at

<https://manuals.plus/m/050163b0ed4763c1d7c34474f21ce3a984830bb31dbcf743cd6968bb96520b09>.

You can also visit the official EPOMAKER store for more products and support: [EPOMAKER Store](#).

© 2024 EPOMAKER. All rights reserved.

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

Open the live page

<https://manuals.plus/asin/B0CMWK8YGY>

More documents and user manuals: <https://manuals.plus/>