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› [EPOMAKER](#) /

› [EPOMAKER Ajazz AK820 Pro 75% Wireless Mechanical Keyboard User Manual](#)

EPOMAKER AK820 Pro

EPOMAKER Ajazz AK820 Pro 75% Wireless Mechanical Keyboard User Manual

Model: AK820 Pro

1. INTRODUCTION

Thank you for choosing the EPOMAKER Ajazz AK820 Pro 75% Wireless Mechanical Keyboard. This keyboard is designed to provide a superior typing and gaming experience with its compact layout, versatile connectivity options, and advanced features like the TFT smart display and gasket-mounted structure. This manual will guide you through the setup, operation, maintenance, and troubleshooting of your new keyboard.

2. PACKAGE CONTENTS

Please verify that all items are present in your package:

- EPOMAKER Ajazz AK820 Pro Mechanical Keyboard
- USB-C Cable
- 2.4GHz Wireless Receiver
- Keycap Puller
- Switch Puller
- User Manual



Image: The EPOMAKER Ajazz AK820 Pro keyboard, its retail box, USB-C cable, 2.4GHz wireless receiver, keycap puller, and switch puller.

3. PRODUCT OVERVIEW

The Ajazz AK820 Pro features a 75% compact layout, a versatile TFT smart display, and a multi-function knob. Its internal structure is designed for optimal typing feel and sound.

Keyboard Layout



Image: A full view of the AK820 Pro keyboard, highlighting its 75% layout with function row, arrow keys, and a knob in the top right corner.

Key Features

AK820 PRO

75% Layout Mechanical Keyboard with 0.85" TFT Screen

The promotional graphic features the keyboard on a black, textured base. Below the keyboard, eight key features are listed with corresponding icons:

- Pixel Screen
- 75% Layout
- 3 Modes
- Hot-Swap
- Full RGB
- Knob Design
- 4000mAh Battery
- Custom Driver

Image: A promotional graphic showcasing the main features of the AK820 Pro, including its pixel screen, 75% layout, triple connectivity modes, hot-swappable switches, full RGB lighting, knob design, 4000mAh battery, and custom driver support.



Image: An exploded diagram illustrating the various layers of the keyboard's internal construction, from keycaps down to the bottom case, highlighting the gasket-mounted design with multiple dampening layers.

4. SETUP

4.1 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 powered USB port on your computer or a wall adapter. The TFT screen will indicate charging status. The keyboard features a 4000mAh battery for extended use.

4.2 Connectivity Options

The Ajazz AK820 Pro supports three modes of connection: USB-C Wired, 2.4GHz Wireless, and Bluetooth.

Triple Connectivity for Ultimate Versatility



Image: A visual representation of the keyboard's triple connectivity, showing how to switch between USB-C wired, 2.4GHz wireless, and Bluetooth modes, along with a physical switch for operating system compatibility.

4.2.1 USB-C Wired Mode

- Connect the USB-C cable to the keyboard and your device.
- The keyboard will automatically switch to wired mode.

4.2.2 2.4GHz Wireless Mode

- Plug the 2.4GHz wireless receiver into a USB port on your device.
- On the keyboard, press **Fn + R** to activate 2.4GHz mode. The TFT screen will indicate the connection status.

4.2.3 Bluetooth Mode

- Press **Fn + Q**, **Fn + W**, or **Fn + E** to select one of the three Bluetooth channels.
- The keyboard will enter pairing mode (indicated on the TFT screen).
- On your device, search for Bluetooth devices and select "AK820 Pro" to connect.

5. OPERATING INSTRUCTIONS

5.1 TFT Smart Display

The 0.85-inch TFT screen provides real-time information and customization options.



Image: A detailed view of the keyboard's TFT screen, demonstrating its capabilities to display time, date, battery status, connection mode, operating system, custom GIF images, and settings for lighting effects, brightness, volume, and language.

- **Home Page:** Displays battery status, date & time, connectivity mode (BT/2.4G/USB), and operating system (Win/Mac).
- **Custom Visuals:** Supports custom GIF images.
- **Settings:** Access settings for backlight effects, color, brightness, speed, volume, and language directly from the screen.

5.2 Multi-Function Knob

The knob located in the top right corner primarily functions as a volume roller. Rotate it to adjust the system volume. Pressing the knob typically mutes/unmutes the audio.

5.3 RGB Lighting Control

The keyboard features South-facing LEDs with 1.6 million color combinations. Lighting effects can be customized via the TFT screen settings or the dedicated software.

5.4 Mac/Win Compatibility

The AK820 Pro is fully compatible with both Windows and macOS operating systems. Use the physical switch on the keyboard or the TFT screen settings to toggle between Win and Mac modes for optimal key mapping.

5.5 Programmable Software

For advanced customization, download the official EPOMAKER software. This software allows you to:

- Remap keys
- Create macros
- Fine-tune RGB lighting effects
- Upload custom GIF images to the TFT screen

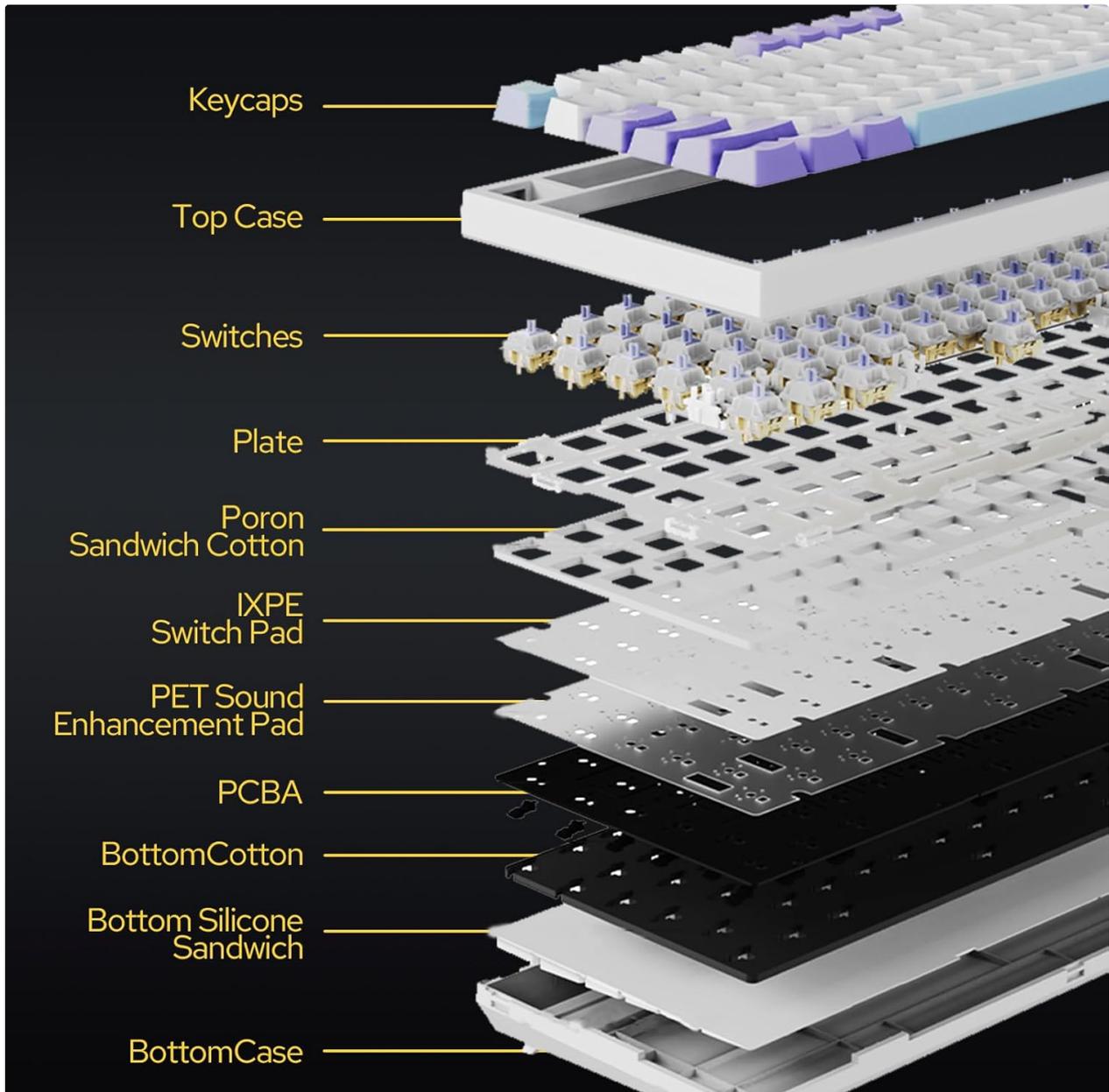


Image: A composite image displaying the user interface of the EPOMAKER software, which allows for comprehensive customization of lighting effects, key assignments, and the content displayed on the TFT screen, including the ability to upload custom GIFs.

5.6 Hot-Swappable Switches

The AK820 Pro features hot-swappable switch sockets, allowing you to change mechanical switches without soldering. Use the included switch puller to carefully remove existing switches and insert new compatible 3-pin or 5-pin switches.

6. MAINTENANCE

6.1 Cleaning

To clean your keyboard, first disconnect it from your device. Use a soft brush or compressed air to remove dust and debris from between the keycaps. For stubborn dirt, gently wipe the keycaps and case with a slightly damp, lint-free cloth. Avoid using harsh chemicals or abrasive materials.

6.2 Battery Care

To prolong battery life, avoid fully discharging the keyboard frequently. Charge it when the battery indicator on the TFT screen shows low power. If storing the keyboard for an extended period, charge it to about 50% and store in a cool, dry place.

7. TROUBLESHOOTING

- **Keyboard not responding:** Ensure the keyboard is charged. Check the connection mode (wired, 2.4GHz, Bluetooth) and ensure it matches your device's connection. Try reconnecting the cable or repairing Bluetooth.
- **2.4GHz/Bluetooth connection unstable:** Ensure the keyboard is within range of the receiver/device. Avoid interference from other wireless devices. Try moving the receiver to a different USB port.
- **Keys not registering:** If specific keys are not working, ensure the switches are properly seated in their sockets. For hot-swappable switches, try reseating or replacing the switch.
- **TFT screen not displaying:** Ensure the keyboard is powered on. If the issue persists, try resetting the keyboard (refer to software or manufacturer's website for specific reset instructions).
- **RGB lighting issues:** Check lighting settings via the TFT screen or the programmable software. Ensure the brightness is not set to zero.

8. SPECIFICATIONS

Feature	Description
Brand	EPOMAKER
Model	Ajazz AK820 Pro
Layout	75% (81 Keys)
Connectivity	2.4G Wireless, Bluetooth 5.1, USB-C Wired
Battery Capacity	4000mAh
Display	0.85-inch TFT Smart Display
Mounting Style	Gasket-Mounted
Plate/PCB	Flex-cut PC Plate and PCB
LEDs	South-facing RGB (1.6M colors)
Compatibility	Windows, macOS
Special Features	Hot-Swappable, Customizable Display Keys, Ergonomic, Volume Roller

9. WARRANTY AND SUPPORT

EPOMAKER products come with a standard warranty. For detailed warranty information, technical support, or service inquiries, please visit the official EPOMAKER website or contact their customer support team. Please retain your proof of purchase for warranty claims.
