

DAIDAI AK820 PRO

AJAZZ AK820 Pro Gasket Mechanical Keyboard User Manual

Model: AK820 PRO

1. INTRODUCTION

This manual provides detailed instructions for the setup, operation, and maintenance of your AJAZZ AK820 Pro Gasket Mechanical Keyboard. Please read this manual thoroughly before using the product to ensure proper functionality and to maximize your user experience.

2. PACKAGE CONTENTS

Verify that all items are present in the package:

- AJAZZ AK820 Pro Gasket Mechanical Keyboard
- USB Type-C Cable
- User Manual (this document)

3. PRODUCT OVERVIEW

The AJAZZ AK820 Pro is a 75% layout mechanical keyboard featuring a gasket-mounted design, hot-swappable switches, a multi-function TFT color screen, and a volume control knob. It supports triple-mode connectivity (Bluetooth, 2.4G Wireless, and Type-C Wired).



Figure 3.1: Top-down view of the AJAZZ AK820 Pro Gasket Mechanical Keyboard, showcasing its 75% layout with purple and light blue keycaps, a silver volume knob, and a small TFT screen.

AK820 PRO



Smart Screen



75% Layout



**3-Module
Connection**



Hot-Swap

RGB

Full RGB



Knob Design



**4000mAH
Battery**



Custom Driver

Figure 3.2: Overview of key features including Smart Screen, 75% Layout, 3-Module Connection, Hot-Swap, Full RGB, Knob Design, and 4000mAh Battery.

4. SETUP

4.1. Connectivity Modes

The keyboard supports three connection modes: Bluetooth, 2.4G Wireless, and Type-C Wired. Use the switch located on the back or side of the keyboard to select your desired mode.

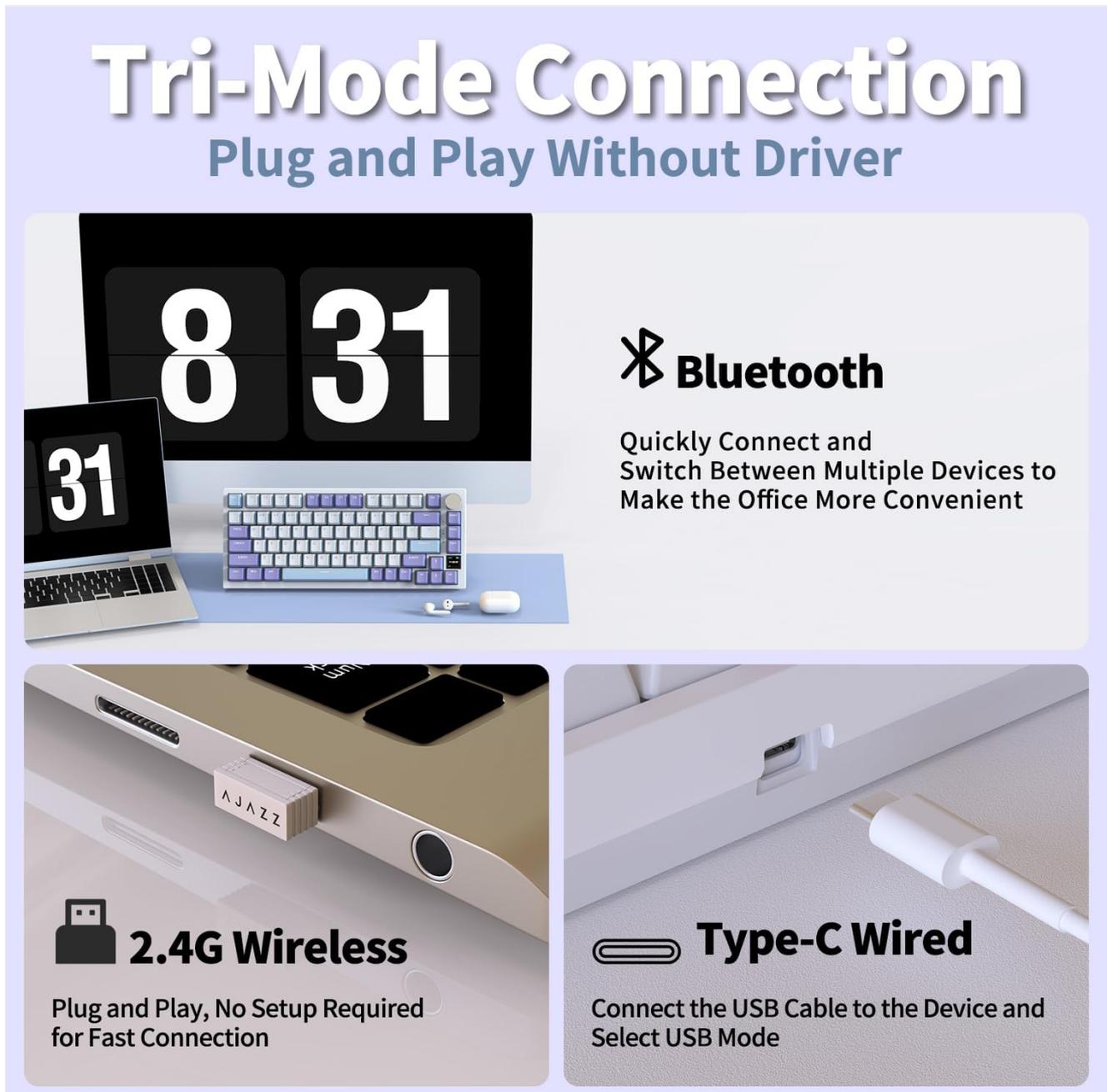


Figure 4.1: Diagram illustrating the three connection modes: Bluetooth, 2.4G Wireless, and Type-C Wired. The image shows the keyboard connected to various devices.

4.1.1. Type-C Wired Connection

1. Connect the provided USB Type-C cable to the keyboard's port.
2. Connect the other end of the cable to an available USB port on your computer.
3. Ensure the mode switch on the keyboard is set to 'USB' or 'Wired' mode. The keyboard will be recognized automatically by your system.

4.1.2. 2.4G Wireless Connection

1. Locate the 2.4G USB receiver (dongle) usually stored in a compartment on the keyboard.
2. Plug the 2.4G USB receiver into an available USB port on your computer.
3. Set the mode switch on the keyboard to '2.4G' mode. The keyboard should connect automatically.

4.1.3. Bluetooth Connection

1. Set the mode switch on the keyboard to 'BT' (Bluetooth) mode.
2. On your device (computer, tablet, smartphone), enable Bluetooth and search for new devices.
3. Select 'AJAZZ AK820 Pro' from the list of available devices to pair.
4. The keyboard may support multiple Bluetooth profiles (e.g., BT1, BT2, BT3). Refer to the keyboard's specific key combinations (e.g., Fn+1, Fn+2, Fn+3) to switch between paired devices.

4.2. Operating System Switch

The keyboard features a switch to toggle between Windows and Mac operating system layouts, ensuring correct key functionality for your system.



Figure 4.2: Close-up of the physical switch for selecting between Windows and Mac operating system modes.

4.3. Adjustable Foot Braces

The keyboard is equipped with adjustable foot braces on the underside, allowing you to set the typing angle for ergonomic comfort.



Figure 4.3: Image showing the adjustable foot braces extended on the underside of the keyboard.

5. OPERATING INSTRUCTIONS

5.1. Multi-Function TFT Color Screen

The integrated TFT color screen displays various information such as connection mode, battery level, date, time, and selected RGB mode. It can also be customized to display GIF images via the keyboard's driver software.

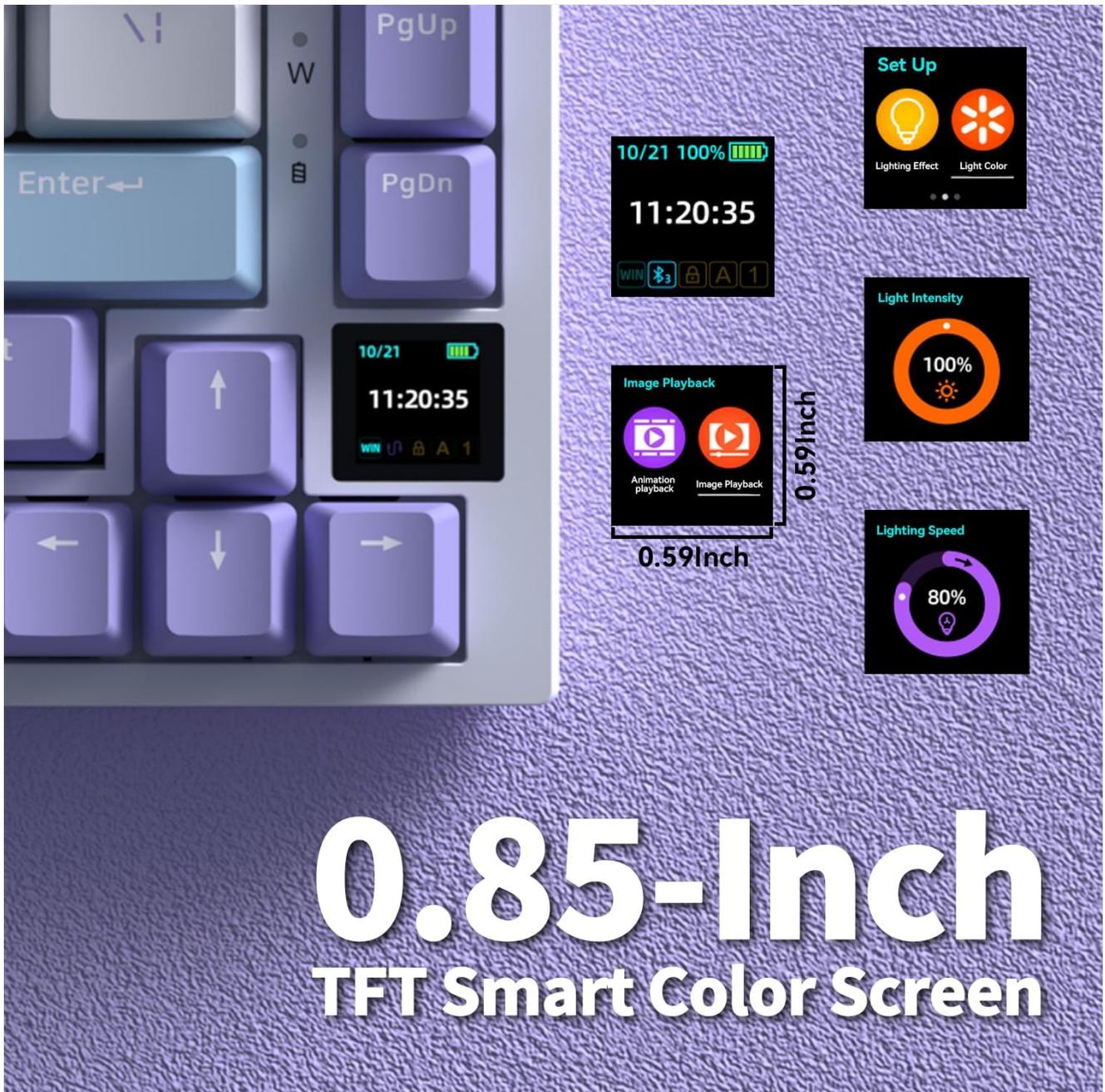


Figure 5.1: Close-up of the 0.85-inch TFT smart color screen displaying time, date, battery, and connection status. Examples of customization options for lighting effects and intensity are also shown.

5.2. Volume Control Knob

The metallic knob located on the top right of the keyboard serves as a multi-function control. By default, it controls system volume. It can also be used to navigate settings on the TFT screen.

Volume Knob Design

Fast reading Volume Adjustment is Quick and Easy with No Delay



Figure 5.2: Detailed view of the silver volume knob, indicating its function for quick and easy volume adjustment.

5.2.1. Knob Functions

- **Rotate:** Adjusts system volume (default).
- **Press:** Mutes/unmutes audio (default).
- **Fn + Rotate:** Navigates through settings on the TFT screen.
- **Fn + Press:** Confirms selection or enters setting page on the TFT screen.

5.3. RGB Backlight Control

The keyboard features south-facing RGB LEDs with multiple lighting modes and customization options. Use the following key combinations to control the backlight:



Figure 5.3: The keyboard illuminated with RGB backlighting, demonstrating the visual effects. Key combinations for controlling the backlight are also shown.

- **Fn + |**: Switches between 20 standard lighting modes.
- **Fn + ↑**: Increases backlight brightness.
- **Fn + ↓**: Decreases backlight brightness.
- **Fn + ←**: Decreases backlight speed.
- **Fn + →**: Increases backlight speed.
- **Fn + X**: Toggles backlight on/off.
- **Fn + Spacebar**: Resets the keyboard to factory default settings.

Further customization of RGB lighting effects can be achieved using the dedicated driver software.

5.4. Hot-Swappable Switches

The AK820 Pro features a 3/5-pin PCB mount design, allowing for easy replacement of mechanical switches without soldering. This enables users to customize their typing feel by swapping switches.

1. Power off the keyboard or disconnect it from your device.
2. Use a switch puller tool to carefully remove the keycap.

3. Use a switch puller tool to gently extract the switch from the PCB.
4. Align the pins of the new switch with the holes on the PCB and press firmly until it clicks into place. Ensure pins are not bent.
5. Replace the keycap.

6. MAINTENANCE

6.1. Cleaning

- Disconnect the keyboard before cleaning.
- Use a soft brush or compressed air to remove dust and debris from between the keycaps.
- For stubborn dirt, gently wipe the keycaps and keyboard surface with a slightly damp, lint-free cloth. Avoid excessive moisture.
- Do not use harsh chemicals or abrasive cleaners.

6.2. Battery Care

The keyboard is equipped with a 4000mAh lithium-ion battery.



Figure 6.1: An illustration highlighting the 4000mAh ultra-long battery life of the keyboard.

- Charge the keyboard using the provided USB Type-C cable connected to a standard USB power source.
- Avoid fully discharging the battery frequently to prolong its lifespan.
- Store the keyboard in a cool, dry place if not used for extended periods.

7. TROUBLESHOOTING

If you encounter issues with your keyboard, refer to the following common solutions:

- **Keyboard not responding:**
 - Ensure the keyboard is charged.
 - Check the connection mode switch (Wired, 2.4G, BT) matches your connection method.
 - For 2.4G, ensure the USB receiver is properly inserted.
 - For Bluetooth, ensure it's paired correctly and selected on your device. Try re-pairing.
 - Try connecting via a different USB port or cable.
- **RGB backlight not working:**
 - Ensure the backlight is not turned off (Fn + X).
 - Adjust brightness (Fn + ↑/↓).
 - Check settings via the driver software.

- **Keys not registering:**

- If a specific key is not working, try reseating its switch. If the issue persists, the switch may need replacement.
- Ensure the correct operating system mode (Win/Mac) is selected.

- **TFT screen not displaying correctly:**

- Ensure the keyboard is powered on.
- Check for firmware updates via the driver software.

If these steps do not resolve the issue, please contact customer support.

8. SPECIFICATIONS

Feature	Specification
Model	AK820 PRO
Layout	75% (82-key)
Connectivity	Bluetooth 5.0, 2.4G Wireless, USB Type-C Wired
Battery Capacity	4000mAh Lithium Ion
Switches	Hot-swappable (3/5-pin PCB mount)
Backlight	South-facing RGB
Screen	Multi-function TFT Color Screen
Knob	Volume Control / Settings Navigation
Keycap Material	PBT (two-color injection-molded)
Dimensions	12"L x 5"W x 1.5"H (approx.)
Weight	1.54 pounds (approx.)
Compatible OS	Windows, macOS

9. WARRANTY AND SUPPORT

The AJAZZ AK820 Pro keyboard comes with a 12-month product treatment period. If you encounter any issues or have questions regarding your product, please contact the seller or manufacturer's customer support for assistance. For additional information or support, you may visit the official [DAIDAI Store](#).