Akko MOD007B

Akko MOD007B HE Gaming Keyboard User Manual

Model: MOD007B HE

INTRODUCTION

Thank you for choosing the Akko MOD007B HE Gaming Keyboard. This manual provides detailed instructions for setting up, operating, and maintaining your new keyboard. Please read this manual thoroughly before use to ensure optimal performance and longevity of your device.

Image: The Akko MOD007B HE Gaming Keyboard, showcasing its 75% layout with RGB backlighting and World Tour Tokyo themed keycaps.

PACKAGE CONTENTS

Please verify that all items are present in your package:

- Akko MOD007B HE Gaming Keyboard
- USB-C to USB-A Cable
- Keycap Puller
- Switch Puller

- User Manual (this document)

PRODUCT OVERVIEW

The Akko MOD007B HE is a 75% layout mechanical keyboard featuring magnetic switches, rapid trigger technology, and multiple connectivity options. It is designed for high-performance gaming and customizable user experience.

Key Features:

- **Magnetic Switches:** Offers adjustable actuation points for personalized responsiveness.
- **Rapid Trigger (RT):** Enables instant key activation and deactivation for competitive gaming.
- **Dynamic Keystrokes (DKS):** Allows binding up to four actions to a single key based on press depth.
- **8K Hz Polling Rate:** Provides ultra-low latency in wired mode.
- **Multi-mode Connectivity:** Supports Wired (USB-C), 2.4GHz Wireless, and Bluetooth 5.0.
- **RGB Backlighting:** Customizable per-key RGB lighting.
- **Hot-swappable Sockets:** Compatible with 3-pin mechanical switches and magnetic switches.
- **Integrated Knob:** Multi-functional knob for volume and RGB brightness control.
- **On-board Memory:** Stores custom settings directly on the keyboard.

[Hotswap-Socket]

Image: Close-up view of the keyboard's hot-swappable sockets, showing a magnetic switch and a standard mechanical switch for comparison.

SETUP

1. Powering On and Charging

The keyboard is equipped with a 3600mAh rechargeable battery. To charge the keyboard, connect the provided USB-C cable to the keyboard's USB-C port and the other end to a powered USB port on your computer or a USB wall adapter.
The power switch is located under the Caps Lock keycap. It has three positions:

- **Top Position (Mac Mode):** For Apple devices (Mac/MacBook/iMac). Also enables wireless power.
- **Center Position (Wired Mode):** For Windows devices in wired mode. Battery/power supply is disabled.
- **Bottom Position (Wireless/Wired Power):** Enables battery/power supply for both wired and wireless use on Windows.

To check the battery level, press and hold **Fn + Spacebar**.

2. Connectivity Modes

The MOD007B HE supports three connection modes: Wired, 2.4GHz Wireless, and Bluetooth 5.0.
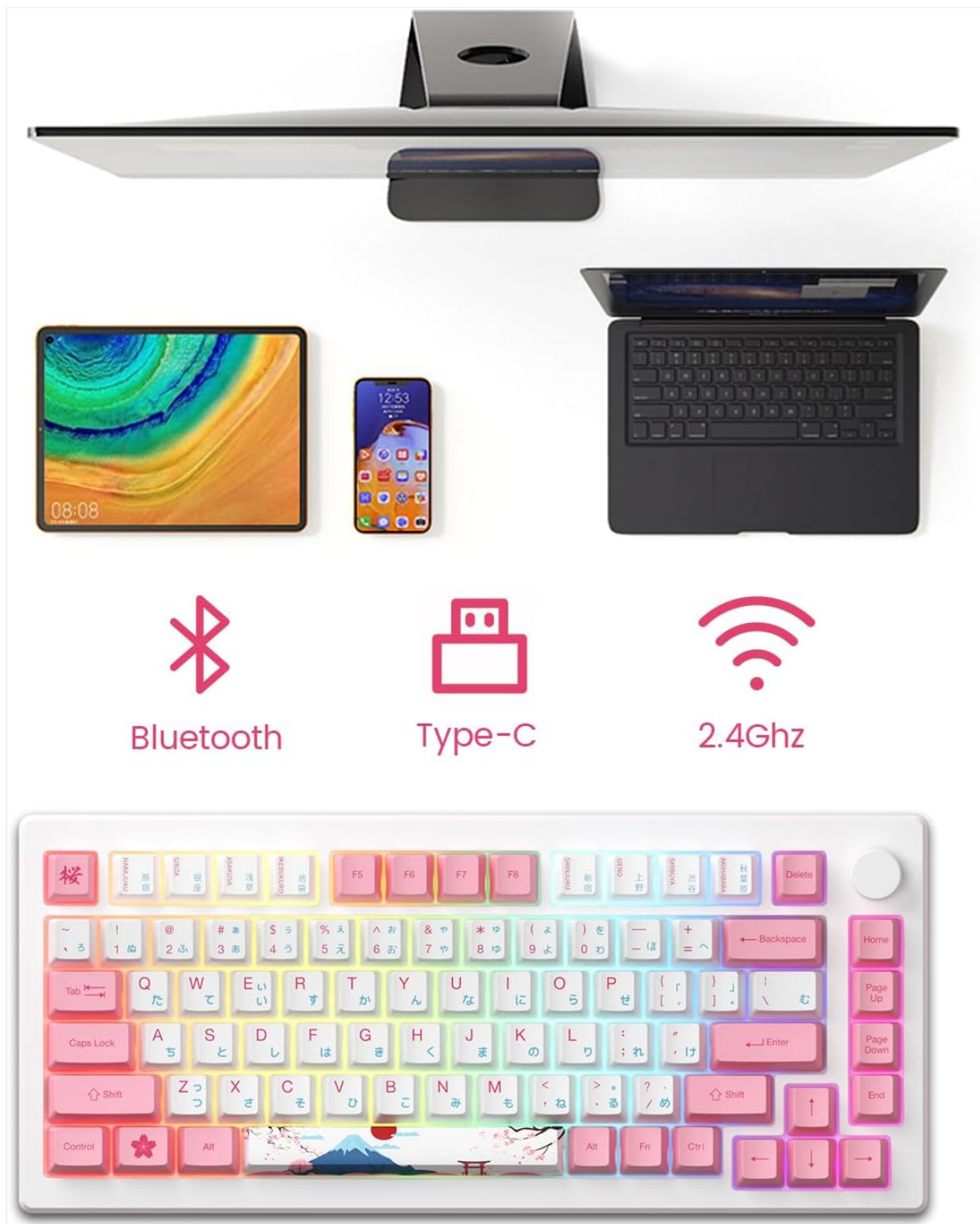
Image: Illustration showing the three connectivity options: Bluetooth, USB-C (wired), and 2.4GHz wireless, along with the keyboard.

- **Wired Mode:** Connect the USB-C cable to the keyboard and your computer. Press **Fn + U** to activate wired mode.
- **2.4GHz Wireless Mode:** Ensure the power switch under Caps Lock is in the bottom position. Plug the 2.4GHz USB dongle into your computer. Press **Fn + Y** to activate 2.4GHz wireless mode.
- **Bluetooth Mode:** The keyboard can connect to up to three Bluetooth devices. Ensure the power switch under Caps Lock is in the bottom position.
  - Press **Fn + E** for Bluetooth Device 1.
  - Press **Fn + R** for Bluetooth Device 2.
  - Press **Fn + T** for Bluetooth Device 3.

To pair, select the desired Bluetooth channel (Fn+E/R/T), then search for 'Akko MOD007B HE' on your device's Bluetooth settings and connect.

3. Software Installation (Akko Cloud Driver)

For full customization of RGB, key remapping, Rapid Trigger, and Dynamic Keystrokes, download and install the Akko Cloud Driver software from the official Akko website. Once installed, connect your keyboard to the computer via USB-C to ensure proper detection and configuration.

OPERATING INSTRUCTIONS

1. Basic Key Functions

The keyboard operates as a standard 75% layout keyboard. Refer to the keycap legends for primary functions. The **Fn** key is used in combination with other keys to access secondary functions.
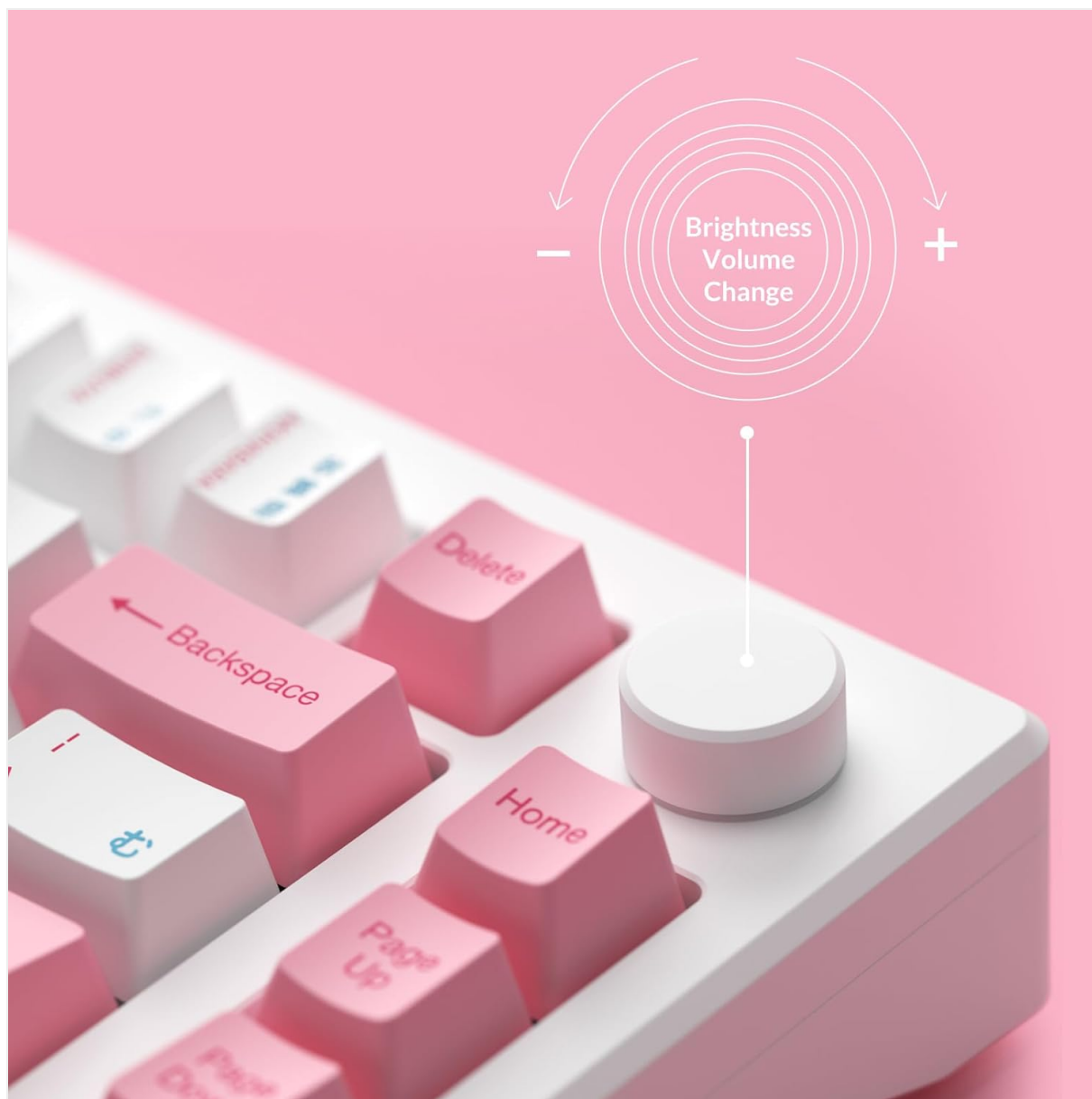
2. Integrated Knob Functionality

Image: Close-up of the multi-functional knob, indicating its use for brightness and volume control.

- **Rotate:** Adjusts volume (default) or RGB brightness.
- **Press:** Toggles between volume control and RGB brightness control.

3. Rapid Trigger (RT)

Rapid Trigger allows keys to activate and deactivate instantly with minimal travel, providing a competitive edge in fast-paced games. This feature can be configured via the Akko Cloud Driver software.

Image: Diagram illustrating the difference between a regular keyboard's actuation/reset points and the Akko Rapid Trigger keyboard's instant activation/deactivation.

In the software, you can set the key trigger range and enable/disable non-stop rapid trigger. Calibration of magnetic keys is recommended after software updates or significant changes to settings.

4. Dynamic Keystrokes (DKS)

DKS technology allows a single key to perform up to four different operations based on the depth of the keypress and release. This eliminates the limitations of conventional macros.

Dynamic Keystrokes (DKS)

Pressing a key can trigger four different key operations.

	0.7mm	3.5mm	3.5mm	0.7mm
No Key Selected	+	+	+	+
No Key Selected	+	+	+	+
No Key Selected	+	+	+	+
No Key Selected	+	+	+	+

Rapid Trigger (RT)

Rapid Trigger removes any delay caused by the physical movement of the switch.

Set the key trigger key range: All buttons

All buttons ⬤ Non-stop rapid trigger ⬤

2mm ▸ Press Up

◂ 2mm

Press the button again to trigger the required travel

2.5mm ————————— 0.2 / 0.2mm

Release the button to reset the required travel

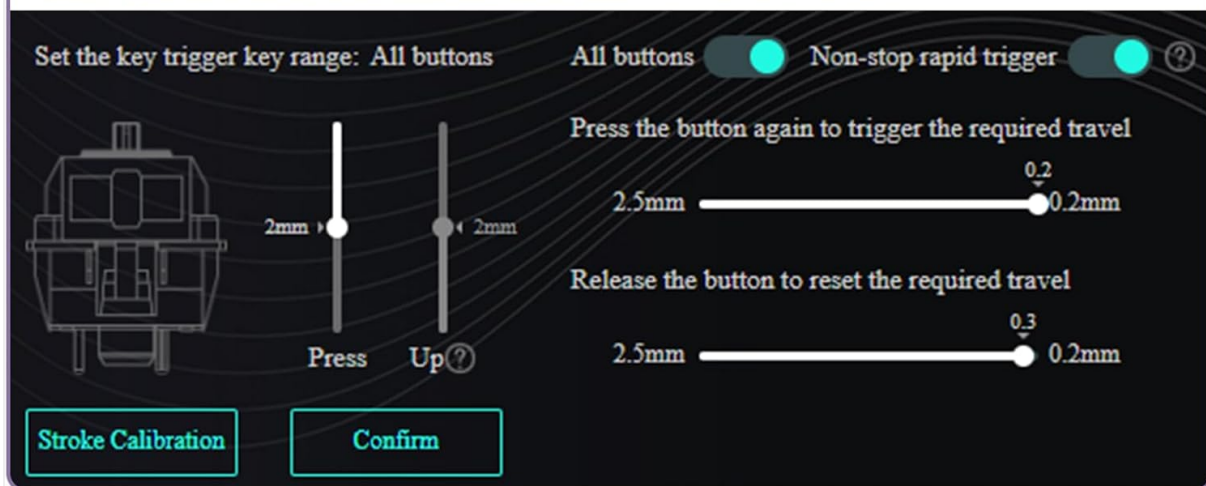2.5mm ————————— 0.3 / 0.2mm

Stroke Calibration   Confirm

Image: Screenshot of the Akko Cloud Driver interface showing Dynamic Keystrokes (DKS) configuration options.

Configure DKS settings within the Akko Cloud Driver software to assign actions for light press, deep press, partial release, and full release.

5. Gamepad Mode

The keyboard features a Gamepad Mode, allowing it to function as a joystick for racing games or a regular keyboard for typing. This mode offers preset analog input response curves and customizable settings, accessible through the Akko Cloud Driver.

6. 8K Hz Polling Rate

In wired mode, the keyboard supports an 8000Hz polling rate, sending operational data 8 times faster than standard keyboards. This significantly reduces input latency.

7. On-board Memory

All customized settings, including RGB effects, key remappings, RT, and DKS configurations, are stored directly on the keyboard's hardware. This means you do not need to run the software in the background once settings are configured, and your preferences will persist across different computers.

MAINTENANCE

1. Cleaning

- Disconnect the keyboard from all power sources before cleaning.
- Use a soft, lint-free cloth slightly dampened with water or a mild cleaning solution to wipe the keycaps and chassis.
- For dust and debris between keycaps, use compressed air.
- Avoid using harsh chemicals or abrasive materials, as these can damage the keyboard's finish.

2. Keycap and Switch Replacement

The Akko MOD007B HE keyboard features hot-swappable sockets, allowing you to easily replace keycaps and switches without soldering.

- Use the provided keycap puller to gently remove keycaps. Pull straight up to avoid damaging the switch stem.
- Use the provided switch puller to remove switches. Ensure the switch puller grips both clips of the switch before pulling straight up.
- When installing new switches, align the pins with the sockets and press down gently until the switch clicks into place. Do not force switches, as this can bend the pins.
- Ensure the power switch is in the 'off' position or the keyboard is disconnected during switch replacement to prevent accidental inputs or damage.

TROUBLESHOOTING

1. Keyboard Not Responding

- **Wired Mode:** Ensure the USB-C cable is securely connected to both the keyboard and the computer. Check if the power switch under Caps Lock is in the correct position (Fn+U for wired mode). Try a different USB port or cable.
- **2.4GHz Wireless Mode:** Ensure the 2.4GHz dongle is properly inserted into a USB port. Verify the power switch is in the bottom position. Press **Fn + Y** to re-establish connection. Check battery level.
- **Bluetooth Mode:** Ensure Bluetooth is enabled on your device. Verify the power switch is in the bottom position. Press **Fn + E**/**R**/**T** to select the correct paired device. If issues persist, try re-pairing the keyboard. Check battery level.

2. Ghost Keystrokes or Unregistered Keys

- This can occur after software updates or if magnetic switch calibration is needed. Open the Akko Cloud Driver software, navigate to the "About" section, and perform a magnetic key calibration.
- Ensure no debris is lodged under the keycaps or switches.

3. RGB Backlighting Not Working

- Check the RGB brightness setting using the integrated knob.
- Ensure the keyboard is not in a low-power state (check battery level).
- Verify RGB settings in the Akko Cloud Driver software.

4. Software Not Detecting Keyboard

- Ensure the keyboard is connected via USB-C cable to the computer.
- Restart the Akko Cloud Driver software and/or your computer.
- Update the software to the latest version.

SPECIFICATIONS

Image: Diagram showing the physical dimensions of the Akko MOD007B HE keyboard.
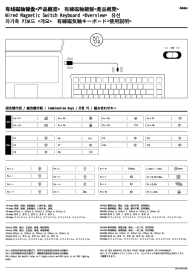
Feature	Detail
Model	MOD007B HE

Feature	Detail
Layout	75%
Switches	Magnetic Switches (e.g., Kailh Sakura Pink Magnetic Switch)
Connectivity	USB-C (Wired), 2.4GHz Wireless, Bluetooth 5.0
Polling Rate	8000Hz (Wired)
Battery Capacity	3600mAh
Backlighting	RGB
Dimensions (L x W x H)	13 x 5.8 x 1.2 inches (333mm x 147mm x 32mm)
Item Weight	2.92 pounds
Compatible Devices	PC

WARRANTY AND SUPPORT

Akko products come with a limited warranty. For detailed warranty information, technical support, or service inquiries, please visit the official Akko website or contact Akko customer service. Keep your proof of purchase for warranty claims.
Official Akko Website: www.akkogear.com

Related Documents - MOD007B

Akko TAC75 Wired Magnetic Switch Keyboard Overview
Comprehensive overview of the Akko TAC75 Wired Magnetic Switch Keyboard, detailing its advanced features, combination keys, RGB lighting effects, and indicator functions. Includes compliance and warranty information.

Akko Sakura Jelly Acrylic Mechanical Keyboard User Manual
User manual for the Akko Sakura Jelly Acrylic Mechanical Keyboard, detailing technical specifications, hotkeys, system commands, backlight settings, macro programming using Akko Macro V1.0, and warranty information.

	[Akko 3061S HE Magnetic Switches Mechanical Keyboard User Manual](#) User manual for the Akko 3061S HE mechanical keyboard, covering setup, system requirements, LED indicators, hotkeys, system commands for Windows and Mac, backlight settings, customization options via Akko Cloud Driver, and warranty information.
	[Akko MOD007B PC Multi-modes Mechanical Keyboard User Manual](#) Comprehensive user manual for the Akko MOD007B PC multi-modes mechanical keyboard, covering setup, connection modes (Bluetooth, 2.4G, Wired), indicator lights, hotkeys for Windows and Mac, backlight settings, customization options via Akko Cloud driver, and warranty information.
	[Akko MOD007B HE Keyboard User Manual and Quick Start Guide](#) Comprehensive user manual for the Akko MOD007B HE mechanical keyboard. Learn about setup, connectivity (Bluetooth, 2.4G, Wired), hotkeys, system commands, lighting effects, customization with Akko Setup, and warranty information.
	[Akko Sakura Jelly Mechanical Keyboard: User Manual and Features](#) Comprehensive user manual for the Akko Sakura Jelly Acrylic Mechanical Keyboard, covering technical specifications, hotkeys, system commands, backlight settings, macro programming, and warranty information.