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› MechLands Feker Alice80 Ergonomic Mechanical Keyboard User Manual

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MechLands Feker Alice80 Ergonomic Mechanical Keyboard User Manual

Model: Alice80

1. INTRODUCTION AND OVERVIEW

The MechLands Feker Alice80 is a 68-key ergonomic mechanical keyboard designed for comfort and customization. It features an Alice layout with a subtle 3° central arc, promoting a natural hand position to reduce strain during extended use. The keyboard supports QMK/VIA for extensive programming, offers vibrant RGB backlighting, and incorporates a gasket mount design with multiple layers of sound-dampening materials for a premium typing experience. Its hot-swappable sockets allow for easy switch customization, and it includes durable PBT keycaps and pre-lubricated switches.

MECHLANDS **FEKER**

Alice80

Ergonomic Mechanical Keyboard With Wrist Rest



**68 Keys
Compact Layout**



**Creamy
Gasket**



**Hot-
Swappable**



**South-Facing
RGB**

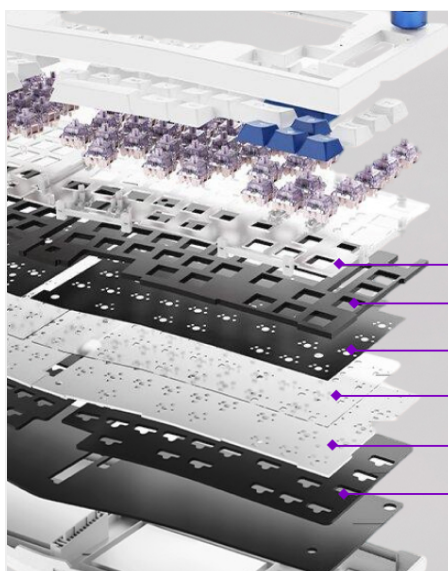


**WIN/MAC/
Android**



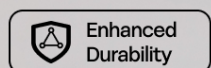
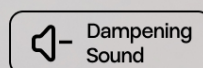
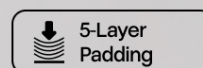
**QMK/VIA
Programmable**

Image 1.1: The MechLands Feker Alice80 ergonomic mechanical keyboard with its integrated wrist rest.



Creamy Gasket Structure

Ensures creamy keystrokes and enhanced comfort, delivering a long-lasting experience



1 PC Plate

2 EVA Sandwich Foam

3 PCB

4 IXPE Switch Pad

5 PET Sound-Enhancement Pad

6 Bottom Foam

2. WHAT'S IN THE BOX

Verify that all components are present in the package:

- MechLands Feker Alice80 Ergonomic Mechanical Keyboard
- USB Cable (for connection)
- Keycap Puller (for maintenance)
- Switch Puller (for maintenance)
- Additional Switches (for replacement or customization)



Image 2.1: The complete package contents of the Feker Alice80 keyboard.

3. SETUP INSTRUCTIONS

1. **Connect the Keyboard:** Use the provided USB-C cable to connect the keyboard to your computer (PC, Laptop, Gaming Console) or compatible device (Smartphone, Tablet). The keyboard is designed for wired operation.
2. **Power On:** The keyboard will power on automatically once connected.
3. **Adjust Kickstands:** The keyboard features adjustable kickstands on the underside. Flip them out to achieve your preferred typing angle (low or high position) for optimal ergonomic comfort.
4. **Compatibility:** The Feker Alice80 is compatible with Windows, Mac OS, Android, and iOS operating systems.

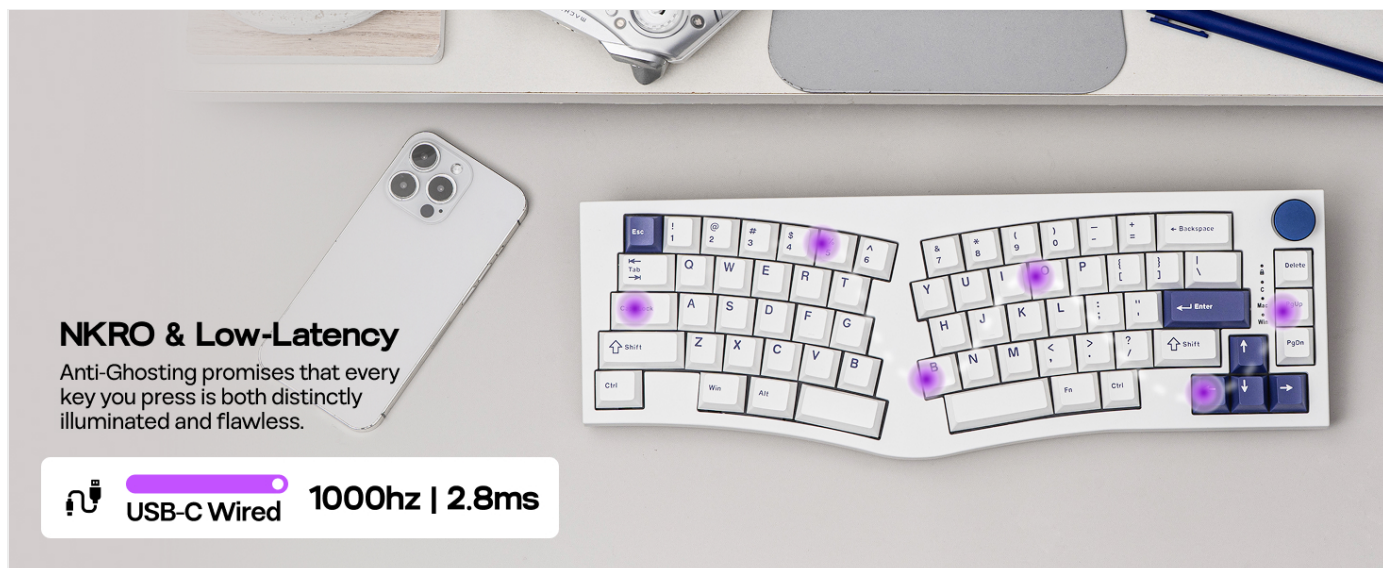


Image 3.1: The keyboard connected via USB-C to a laptop, tablet, and smartphone, demonstrating multi-platform compatibility.



Image 3.2: Detail of the connection hub and adjustable kickstands for ergonomic setup.

4. OPERATING INSTRUCTIONS

4.1 QMK/VIA Programmability

The Feker Alice80 supports QMK and VIA software, allowing for extensive customization of key assignments, macros, and lighting effects. Download the appropriate software from the official MechLands website to access these features. With QMK/VIA, you can:

- Remap any key to a different function.
- Create and assign complex macros for increased efficiency.
- Configure multiple layers of key functions.
- Customize RGB lighting effects.



Image 4.1: Visual representation of the QMK/VIA software interface for keyboard customization.

4.2 RGB Backlighting

The keyboard features 16.8 million colors of south-facing RGB backlighting. You can customize up to 20 unique lighting effects through the QMK/VIA software. Additionally, basic lighting adjustments can be made directly on the keyboard:

- **Adjust Brightness:** Use the dedicated function keys (e.g., Fn + Up/Down arrow) to increase or decrease backlight brightness.
- **Toggle Backlight Effect:** Cycle through various lighting effects using designated function keys (e.g., Fn + Right arrow).
- **Toggle Backlight Color:** Change the color scheme of the current effect using function keys (e.g., Fn + Left arrow).



Image 4.2: The keyboard showcasing its 16.8 million RGB backlights and key combinations for adjustment.

4.3 Multi-function Knob

The integrated multi-function knob provides convenient control over media functions, typically volume. Rotate the knob to adjust volume up or down, and press it to mute/unmute audio.

4.4 NKRO and Low Latency

The Feker Alice80 features N-Key Rollover (NKRO), ensuring that every keypress is registered accurately, even when multiple keys are pressed simultaneously. This prevents ghosting and missed inputs, which is crucial for fast typing and competitive gaming. In wired mode, the keyboard delivers an ultra-low latency of 2.81ms for instant response.

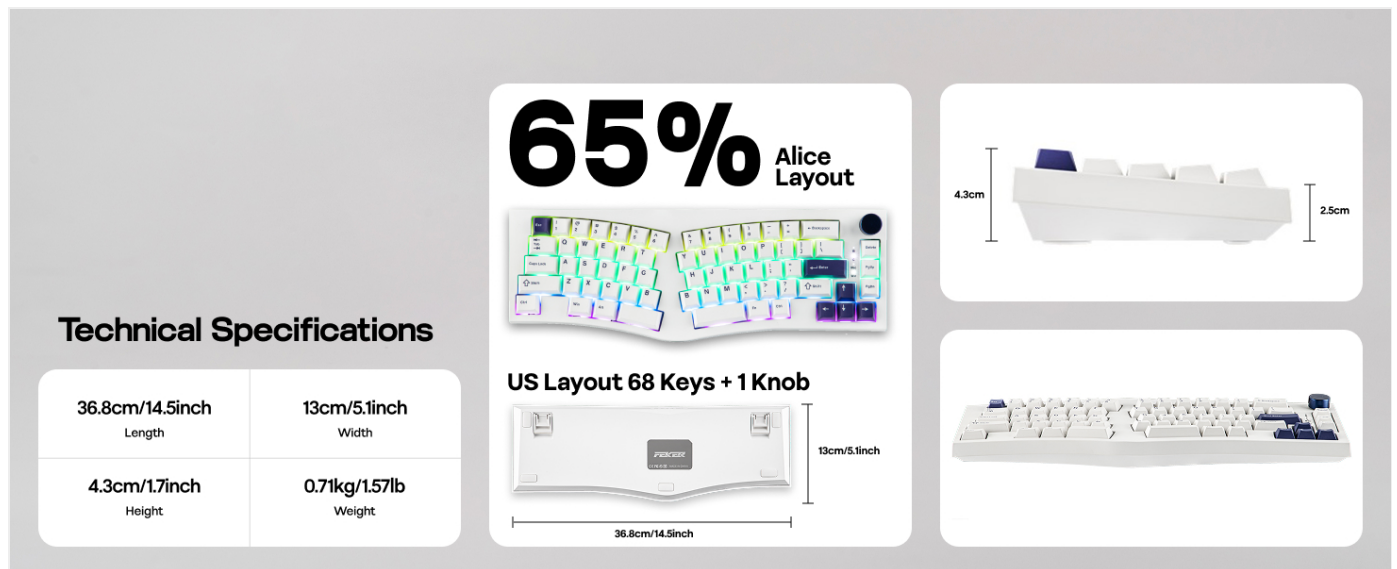


Image 4.3: Visual explanation of NKRO and the keyboard's low latency performance.

5. MAINTENANCE

5.1 General Cleaning

To maintain your keyboard's appearance and functionality, regularly clean it with a soft, dry cloth. For deeper cleaning, you may use a can of compressed air to remove dust and debris from between the keycaps.

5.2 Keycap Removal and Replacement

The Feker Alice80 comes with durable PBT keycaps. To remove a keycap, use the provided keycap puller. Gently pull upwards until the keycap detaches. To replace, align the keycap with the switch stem and press down firmly until it clicks into place.

5.3 Hot-Swappable Switches

The keyboard features hot-swappable sockets, allowing you to change mechanical switches without soldering. Use the provided switch puller to carefully remove a switch. Align the pins of the new 3-pin or 5-pin mechanical switch with the sockets on the PCB and press down gently until it is fully seated. Ensure the pins are not bent during insertion.



Image 5.1: Detailed view of the hot-swappable PCB and components, illustrating easy switch replacement.



Image 5.2: Exploded view of the keyboard's creamy gasket structure and 5-layer padding for sound dampening and durability.

6. TROUBLESHOOTING

• Keyboard Not Responding:

- Ensure the USB-C cable is securely connected to both the keyboard and your device.
- Try connecting the keyboard to a different USB port or a different device to rule out port or device issues.
- Restart your computer.

- **RGB Backlighting Not Working/Incorrect:**
 - Check the keyboard's lighting controls (Fn key combinations) to ensure backlighting is enabled and set to a visible brightness.
 - If using QMK/VIA, verify that the lighting settings are correctly configured and flashed to the keyboard.
- **Specific Keys Not Registering:**
 - Carefully remove the keycap and switch for the affected key.
 - Inspect the switch for any bent pins. Straighten them if necessary.
 - Reinsert the switch firmly. If the issue persists, try replacing the switch with one of the spares provided or a known working switch.
- **QMK/VIA Software Issues:**
 - Ensure you have downloaded the correct firmware and JSON file for the Feker Alice80 from the MechLands official website.
 - Follow the software's instructions carefully for flashing firmware or applying keymaps.

7. SPECIFICATIONS



Image 7.1: Overview of the keyboard's technical specifications and physical dimensions.

Feature	Detail
Model	Feker Alice80
Layout	68 Keys Alice Layout + 1 Knob
Connectivity	USB-C Wired
Programmability	QMK/VIA Support
Mounting Style	Gasket Mount
Padding Layers	5-Layer (EVA sandwich foam, IXPE switch pad, PET film, EVA socket foam, case foam)
Switches	Pre-lubricated Linear Switches (Hot-Swappable 3-pin/5-pin)

Keycaps	Durable PBT Keycaps, Cherry Profile
Backlighting	South-facing RGB (16.8 million colors, 20 effects)
N-Key Rollover (NKRO)	Full NKRO
Latency	2.81ms (Wired Mode)
Compatible Devices	Gaming Console, Laptop, PC, Smartphone, Tablet
Operating Systems	Windows, Mac OS, Android, iOS
Product Dimensions	14.49"L x 5.12"W x 1.69"H (36.8cm L x 13cm W x 4.3cm H)
Item Weight	3.01 pounds (1.37 kg)

8. WARRANTY INFORMATION

The MechLands Feker Alice80 keyboard is covered by a manufacturer's warranty. Please refer to the warranty card included in your product packaging or visit the official MechLands website for detailed terms and conditions regarding warranty coverage, duration, and claims process.

9. SUPPORT

For further assistance, technical support, or inquiries regarding your MechLands Feker Alice80 keyboard, please visit the official MechLands website or contact their customer service department. You can often find FAQs, driver downloads, and additional resources on the product support page.

