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MAGIC-REFINER RKL680

MAGIC-REFINER RKL680 Ultra-Thin Wireless Mechanical Keyboard User Manual

Model: RKL680

Introduction

The MAGIC-REFINER RKL680 is a versatile 68-key ultra-thin mechanical keyboard designed for enhanced productivity and gaming. It features dual-mode connectivity (2.4GHz wireless and Bluetooth 5.0), low-profile blue switches, and compatibility with Windows and Mac operating systems. This manual provides detailed instructions for setting up, operating, and maintaining your keyboard.

Image: The RKL680 keyboard showcasing its ultra-thin design and dual-mode connectivity.

Setup

1. Package Contents

- MAGIC-REFINER RKL680 Mechanical Keyboard
- USB 2.4GHz Receiver (stored in the keyboard's back compartment)
- Keycap Puller
- User Manual

2. Battery Installation

The RKL680 keyboard requires two AAA batteries (not included). Locate the battery compartment on the

underside of the keyboard, open it, insert the batteries according to the polarity indicators, and close the compartment securely.

Image: The keyboard's battery compartment, highlighting the use of AAA batteries.

3. Connecting via 2.4GHz Wireless Mode

1. Locate the USB 2.4GHz receiver in the storage slot on the back of the keyboard.
2. Plug the USB receiver into an available USB port on your computer.
3. On the keyboard, slide the power switch to the 'ON' position.
4. Press **Fn + Q** to switch the keyboard to 2.4GHz wireless mode. The keyboard will automatically connect to the receiver.

4. Connecting via Bluetooth 5.0 Mode

1. On the keyboard, slide the power switch to the 'ON' position.
2. Press **Fn + W** or **Fn + E** to select a Bluetooth channel. The indicator light will flash, indicating pairing mode.
3. On your device (computer, tablet, smartphone), enable Bluetooth and search for available devices.
4. Select 'AKL6801' or 'AKL6802' from the list of devices to pair.
5. Once paired, the indicator light will stop flashing. You can store up to two Bluetooth devices.

Image: Instructions for connecting the keyboard via 2.4GHz and Bluetooth to multiple devices.

5. Switching Operating Systems (Windows/Mac)

The keyboard features a paddle switch to easily toggle between Windows and Mac OS layouts. Locate the switch on the side or back of the keyboard and set it to the appropriate operating system for optimal key mapping.

Image: The RKL680 keyboard connected to various devices, highlighting its Windows and Mac compatibility.

Operating Instructions

1. Key Layout and Functions

The RKL680 features a compact 68-key layout, retaining essential directional and control keys while minimizing footprint. Many functions are accessed via the **Fn** key in combination with other keys.

- **Fn + Q**: Switch to 2.4GHz wireless mode.
- **Fn + W/E**: Switch to Bluetooth mode (W for device 1, E for device 2).
- **Fn + [Function Key]**: Access F1-F12 functions, multimedia controls, etc., as indicated on the keycaps.

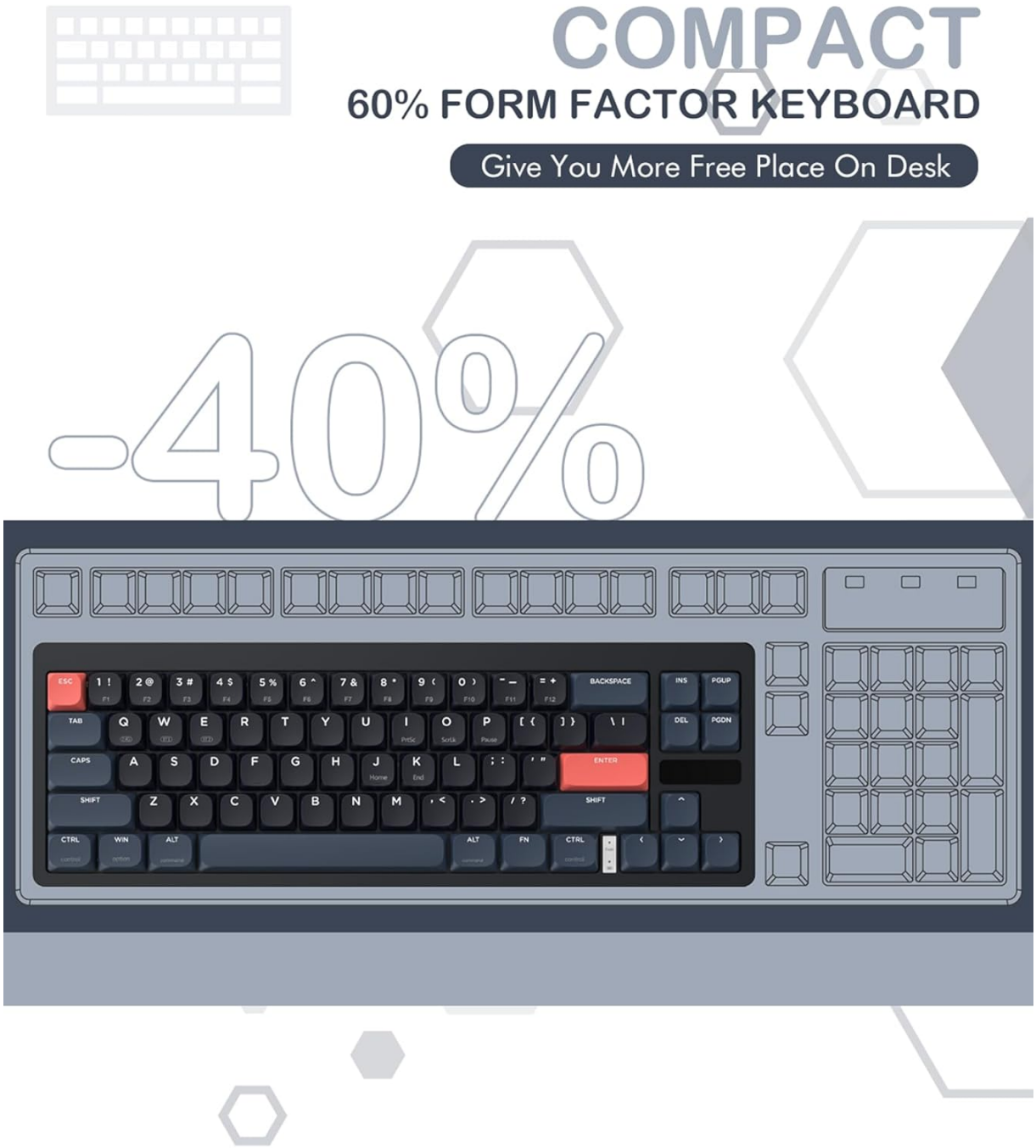

Image: Visual representation of the RKL680's compact 60% layout.

2. Adjusting Tilt Angles

The keyboard is equipped with dual support brackets that allow for three different tilt angles. Adjust the feet on the underside of the keyboard to find your preferred typing position, which can help reduce wrist pressure during extended use.

Image: The keyboard's adjustable feet, illustrating the three available tilt angles.

3. Low-Profile Blue Switches and Keycaps

The RKL680 features low-profile tactile blue switches, providing a distinct click sound and tactile feedback. The double-shot injection molded ABS keycaps are designed for durability, offering resistance to oil and wear.

Image: Detail of the low-profile mechanical switches and keycaps.

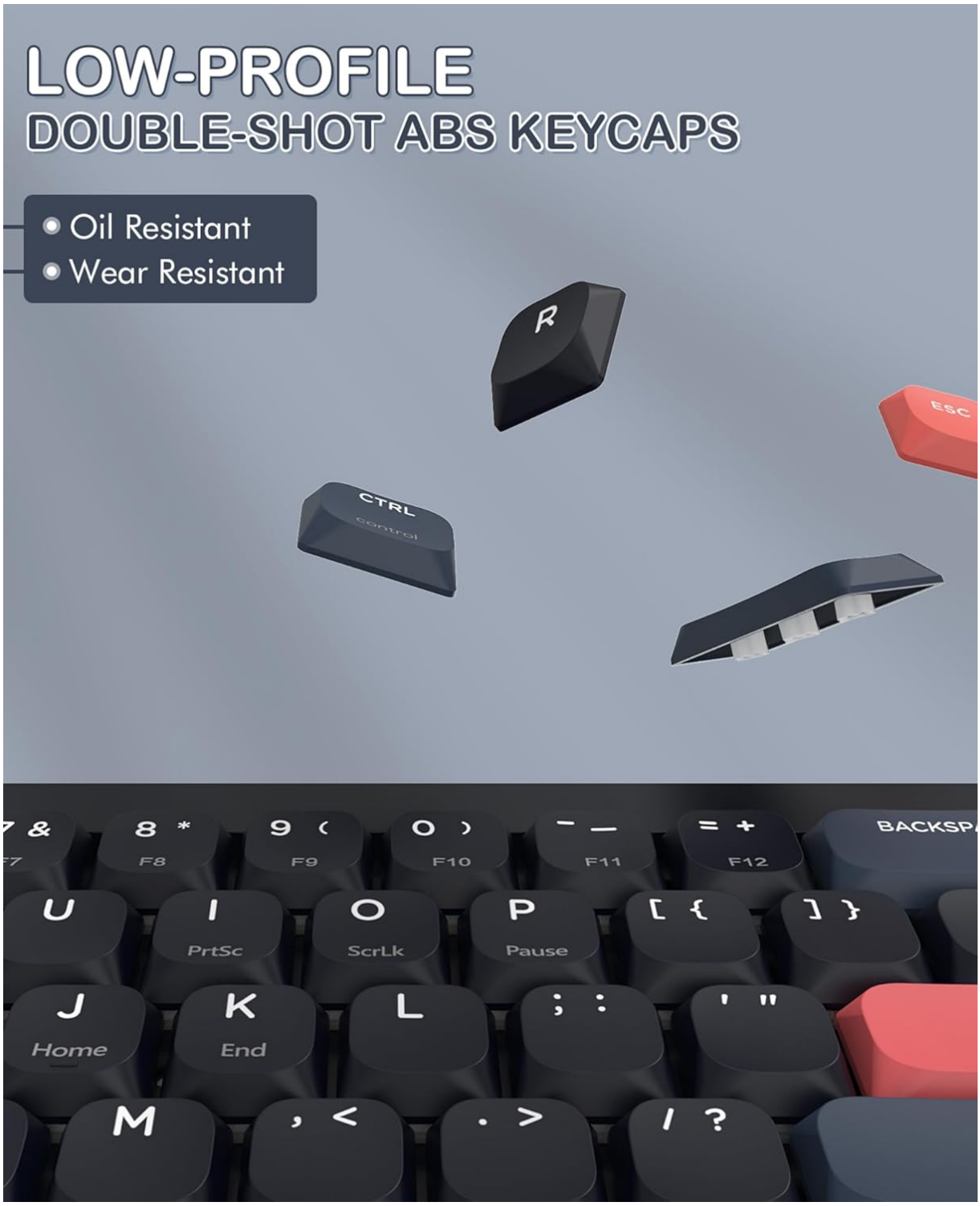

Image: Detail of the low-profile double-shot ABS keycaps.

4. Power Saving Mode

To conserve battery life, the keyboard will enter sleep mode after 30 minutes of inactivity. To wake it up, simply press any key.

Maintenance

1. Cleaning the Keyboard

To clean your keyboard, power it off and disconnect it from any devices. Use a soft, lint-free cloth slightly dampened with water or a mild cleaning solution. For deeper cleaning, use the included keycap puller to carefully remove keycaps and clean underneath them with compressed air or a small brush. Ensure all components are dry before reassembling and powering on.

2. Keycap Removal

Use the provided keycap puller to remove keycaps. Gently place the puller over the keycap and pull upwards evenly. Avoid excessive force to prevent damage to the keycap or switch.

Troubleshooting

- **Keyboard not connecting via 2.4GHz:** Ensure the USB receiver is securely plugged into a working USB port. Confirm the keyboard is switched to 2.4GHz mode (**Fn + Q**). Check battery levels.
- **Keyboard not connecting via Bluetooth:** Ensure Bluetooth is enabled on your device and the keyboard is in pairing mode (**Fn + W** or **Fn + E**). Try forgetting the device on your computer and re-pairing. Check battery levels.
- **Keys not responding or lagging:** Ensure the keyboard is fully charged or has fresh batteries. If using wireless modes, ensure there are no significant obstructions or interference between the keyboard and receiver/device. Try reconnecting the keyboard.
- **Incorrect key functions (Windows/Mac):** Verify the OS paddle switch on the keyboard is set to the correct operating system (Windows or Mac).
- **Short battery life:** Ensure you are using fresh, high-quality AAA batteries. The keyboard's non-backlit design is optimized for long battery life, but usage patterns can affect duration.

Specifications

Model	RKL680
Connectivity Technology	2.4GHz Wireless, Bluetooth 5.0
Key Layout	68 Keys
Switch Type	Low-Profile Blue Mechanical Switches
Keycap Material	Double-shot ABS
Compatible Devices	Windows XP/7/8/10/11, MAC OS, Laptops, PC, MacBooks, PS4, XBOX ONE
Product Dimensions	12.3 x 4 x 1.65 inches
Item Weight	1.28 pounds
Power Source	2 x AAA Batteries (not included)
Special Features	Ultra-Thin Design, 3 Tilt Angles, Dual-Mode Connectivity, OS Switch

Warranty and Support

For warranty information or technical support, please refer to the contact details provided with your purchase documentation or visit the official MAGIC-REFINER website. Keep your purchase receipt for warranty claims.

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