

MAGIC-REFINER K68

MAGIC-REFINER RK68 60% Wireless Mechanical Keyboard User Manual

Model: K68

1. PRODUCT OVERVIEW

The MAGIC-REFINER RK68 is a compact 60% wireless mechanical keyboard designed for versatility and performance. It features dual-mode connectivity (2.4GHz wireless and Bluetooth 5.0), hot-swappable switches, and a 68-key layout with dedicated arrow keys. This manual provides instructions for setup, operation, maintenance, and troubleshooting.



Image 1: Top-down view of the MAGIC-REFINER RK68 keyboard, showcasing its compact 68-key layout with off-white, orange, and dark grey keycaps.

2. PACKAGE CONTENTS

- MAGIC-REFINER RK68 Wireless Mechanical Keyboard
- 2-in-1 USB-A + Type-C Receiver
- Keycap Puller
- User Manual (this document)

Note: Two AAA batteries are required for operation and are not included in the package.

3. SETUP INSTRUCTIONS

3.1 Battery Installation

1. Locate the battery compartment on the underside of the keyboard.
2. Open the battery compartment cover.
3. Insert two AAA batteries, ensuring correct polarity (+/-).
4. Close the battery compartment cover securely.

3.2 Connecting via 2.4GHz Wireless Mode

1. Locate the 2-in-1 USB-A + Type-C receiver. This receiver supports both USB-A and USB-C ports.
2. Plug the appropriate end of the receiver (USB-A or Type-C) into an available port on your computer, laptop, or compatible device.
3. Turn on the keyboard using the power switch, usually located on the back or side of the keyboard.
4. Press **Fn + Q** on the keyboard to switch to 2.4GHz wireless mode. The indicator light will confirm the connection.
5. The keyboard should now be connected and ready for use.

2 IN ONE DONGLE USB A + TYPE C

Support for Desktop/Laptop/MAC/Smartphone, etc



Image 2: The MAGIC-REFINER RK68 keyboard shown with its 2-in-1 USB-A and Type-C dongle, illustrating compatibility with desktop computers, laptops, tablets, and smartphones.

3.3 Connecting via Bluetooth 5.0 Mode

The keyboard can connect to up to three different Bluetooth devices.

1. Turn on the keyboard using the power switch.
2. Press **Fn + W**, **Fn + E**, or **Fn + R** to select one of the three Bluetooth channels (BT1, BT2, BT3). The corresponding indicator light will flash, indicating pairing mode.
3. On your device (PC, Mac, smartphone, tablet), enable Bluetooth and search for new devices.
4. Select "RK68" or a similar name from the list of available devices.
5. Once paired, the indicator light on the keyboard will stop flashing and remain solid for a few seconds, confirming the connection.
6. Repeat these steps for other devices using different Bluetooth channels.

**CONNECT 3 DEVICES AT
THE SAME TIME
WITHOUT DELAY**



Image 3: A visual representation of the MAGIC-REFINER RK68 keyboard's ability to connect to three devices simultaneously via Bluetooth (Fn+W/E) and one via 2.4GHz wireless (Fn+Q).

4. OPERATING INSTRUCTIONS

4.1 Switching Between Connected Devices

- To switch to 2.4GHz wireless mode, press **Fn + Q**.
- To switch to Bluetooth device 1, press **Fn + W**.
- To switch to Bluetooth device 2, press **Fn + E**.

4.2 Function Key Combinations

The RK68 keyboard utilizes Fn key combinations to access various functions due to its compact layout. Refer to the keycap legends for specific functions such as media control, volume adjustment, and other system commands.

4.3 Auto-Sleep Function

To conserve battery life, the keyboard automatically enters hibernation mode after 30 minutes of inactivity. To wake the keyboard, simply press any key. The keyboard will reconnect to the last active device.

5. MAINTENANCE

5.1 Cleaning the Keyboard

- Turn off the keyboard and disconnect it from any devices.
- Use a soft, lint-free cloth slightly dampened with water or a mild cleaning solution to wipe the keycaps and keyboard surface.
- For dust and debris between keycaps, use compressed air.
- Avoid using harsh chemicals or abrasive materials, as these can damage the keycaps and finish.

5.2 Keycap and Switch Replacement

The RK68 features hot-swappable switches, allowing for easy replacement without soldering. The keyboard comes with a keycap puller for convenient maintenance.

1. **Removing Keycaps:** Use the included keycap puller to gently grasp the keycap and pull upwards.
2. **Removing Switches:** After removing the keycap, use a switch puller (not included, but often bundled with replacement switches) to carefully grip the switch and pull it straight up.
3. **Installing Switches:** Align the pins of the new switch with the holes on the PCB. Press down gently until the switch clicks into place. Ensure the pins are not bent.
4. **Installing Keycaps:** Place the new keycap over the switch stem and press down firmly until it is seated.



HIGH-QUALITY ABS KEYCAPS

● Solid & Durable

● Keycap Puller

● Red Switches

Image 4: A close-up view of the MAGIC-REFINER RK68 keyboard showing a keycap puller and a red mechanical switch, highlighting the hot-swappable feature and high-quality ABS keycaps.

5.3 Battery Replacement

When the keyboard's performance degrades or it fails to power on, replace the two AAA batteries following the instructions in Section 3.1.

6. TROUBLESHOOTING

6.1 Keyboard Not Responding

- **Check Batteries:** Ensure the AAA batteries are correctly installed and have sufficient charge. Replace if necessary.
- **Wake from Sleep:** If the keyboard has been inactive, press any key to wake it from auto-sleep mode.
- **Power Switch:** Verify that the keyboard's power switch is in the 'ON' position.

6.2 Connectivity Issues (2.4GHz)

- **Receiver Connection:** Ensure the 2-in-1 receiver is securely plugged into a USB-A or Type-C port on your device.
- **Mode Selection:** Confirm the keyboard is set to 2.4GHz mode by pressing **Fn + Q**.

- **Interference:** Move the keyboard closer to the receiver and away from other wireless devices that might cause interference.
- **Try Another Port:** Plug the receiver into a different USB port on your device.

6.3 Connectivity Issues (Bluetooth)

- **Mode Selection:** Ensure the keyboard is set to the correct Bluetooth channel (Fn+W or Fn+E).
- **Device Bluetooth:** Verify that Bluetooth is enabled on your device and that it is discoverable.
- **Re-pair Device:** If the connection is unstable, remove the keyboard from your device's Bluetooth list and re-pair it following the instructions in Section 3.3.
- **Distance:** Maintain a reasonable distance between the keyboard and the connected device (within 33 feet).

7. SPECIFICATIONS

Feature	Specification
Model Number	K68
Layout	68-Key, 60% Compact
Connectivity	Bluetooth 5.0, 2.4GHz Wireless
Switches	Hot-swappable Linear Red Switches
Keycaps	Double-shot Injection Moulded ABS
Power Source	2 x AAA Batteries (not included)
Auto-Sleep	After 30 minutes of inactivity
Dimensions (L x W x H)	12.3 x 4 x 1.7 inches (31.24 x 10.16 x 4.32 cm)
Weight	1.5 pounds (0.68 kg)
Compatible Devices	PC, Mac, Laptops, Smartphones, Gaming Consoles (Xbox, PS4)
Operating Systems	Windows XP/7/8/10/11, Mac OS

60%

OF TRADITIONAL KEYBOARD

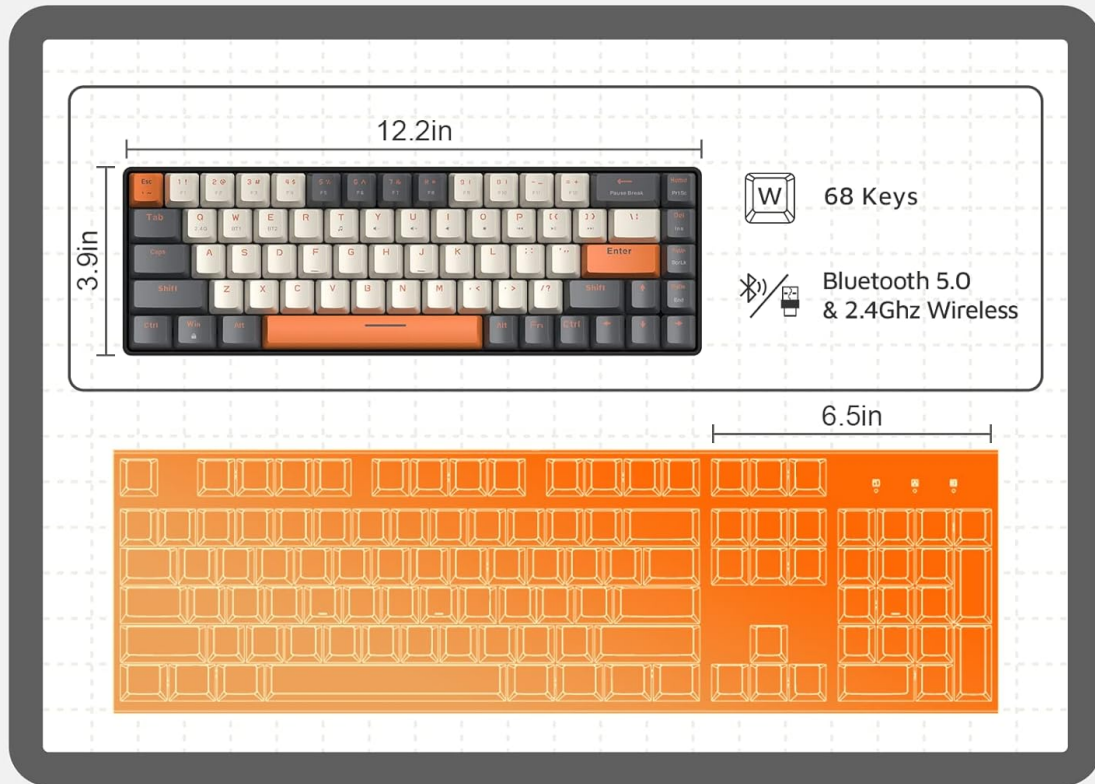


Image 5: A diagram illustrating the compact size of the MAGIC-REFINER RK68 keyboard (12.2 inches long, 3.9 inches wide) compared to a traditional full-size keyboard, highlighting its 60% layout with 68 keys.

8. WARRANTY AND SUPPORT

8.1 Warranty Information

Specific warranty details for the MAGIC-REFINER RK68 keyboard are typically provided at the point of purchase or within the product packaging. Please retain your proof of purchase for any warranty claims. For detailed warranty terms and conditions, contact the seller or manufacturer directly.

8.2 Customer Support

If you encounter any issues or have questions regarding your MAGIC-REFINER RK68 keyboard that are not addressed in this manual, please contact MAGIC-REFINER customer support. You may also visit the official [MAGIC-REFINER Store on Amazon](#) for additional product information and support resources.

