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## RedThunder K20

# RedThunder K20 TKL Wireless Keyboard and Mouse Combo User Manual

Model: K20 | Brand: RedThunder

## INTRODUCTION

This user manual provides comprehensive instructions for the RedThunder K20 TKL Wireless Keyboard and Mouse Combo. It covers setup, operation, maintenance, and troubleshooting to ensure optimal performance and longevity of your device. Please read this manual carefully before using the product.

## SETUP GUIDE

### Unboxing and Components

Upon unboxing, ensure all components are present: the RedThunder K20 TKL Wireless Keyboard, the Optical Mouse, and the shared USB receiver. The USB receiver is typically stored in the bottom compartment of the mouse.

# K20 TKL WIRELESS SET

2 IN 1 USB RECEIVER IS STORED IN MOUSE



*Image: The RedThunder K20 TKL Wireless Keyboard and Mouse Combo, highlighting the compact TKL layout and the USB receiver.*

## Connecting to Your Device (Plug and Play)

The RedThunder K20 TKL combo utilizes a 2.4G wireless connection and is designed for plug-and-play functionality. The keyboard and mouse share a single USB receiver, and they are pre-paired at the factory.

1. Locate the USB receiver stored in the bottom of the mouse.
2. Plug the USB receiver into an available USB port on your computer (PC or laptop).
3. Ensure both the keyboard and mouse are powered on using their respective switches. The keyboard switch is located on the top edge, and the mouse switch is on the bottom.
4. The devices should automatically connect to your computer.



*Image: Illustration of the stable 2.4G wireless connection between the keyboard, mouse, and a laptop via the USB receiver.*

## Pairing Instructions (If Connection is Lost)

If the connection is lost or you need to re-pair the devices, follow these steps:

### Keyboard Pairing:

1. Turn on the keyboard switch.
2. Press and hold the **ESC** key and the **K** key at the same time. The indicator light will start to flash.
3. Insert the USB receiver into the computer's USB port. Pairing is complete when the light stops flashing.

### Mouse Pairing:

1. Turn the switch at the bottom of the mouse to the position with the sun logo (light on). Take out the USB receiver.
2. Press and hold the mouse wheel and the right button simultaneously. The mouse RGB lights will start to flash.
3. Insert the USB receiver into the computer's USB port. Pairing is complete when the lights stop flashing.

For a visual guide on pairing, please refer to the video below:

Your browser does not support the video tag.

*Video: Instructions on how to pair the RedThunder K20 TKL keyboard and mouse with the USB receiver.*

**Note:** Ensure sufficient power before pairing. Keep the device and receiver close, avoiding obstructions for stable signal. The USB receiver must be plugged into the device for operation.

## OPERATING INSTRUCTIONS

### Keyboard Functions

The K20 TKL keyboard features a compact layout with dedicated multimedia keys and adjustable RGB backlighting.

- **Multimedia Keys:** The keyboard includes 6 dedicated multimedia keys for quick access to functions like volume control, play/pause, and track navigation.
- **FN Combination Keys:** Utilize the **FN** key in combination with F1-F12 for additional multimedia and system functions. For example, FN+W can swap WASD keys with arrow keys.
- **Anti-Ghosting:** The keyboard supports 26-key anti-ghosting to ensure accurate registration of multiple simultaneous

key presses, enhancing gaming performance.



*Image: Overview of the RedThunder K20 TKL keyboard, showing the dedicated multimedia keys and FN combination key functions.*

## Adjusting RGB Backlight (Keyboard)

The keyboard features 4 sets of dynamic backlight effects, 4 breathing speeds, 4 brightness levels, 7 RGB monochrome lights, and 1 RGB rainbow light.

- **Turn On/Off Backlight:** Use the dedicated ON/OFF button on the keyboard.
- **Light Mode Switching:** Press **FN + %5** to toggle between 8 static backlights (monochrome). Press **FN + @2** for Neon Mode, **FN + #3** for Breathing Mode, and **FN + !1** for Streamer Mode.
- **Light Brightness Adjustment:** Use **FN + PgUp** to increase brightness and **FN + PgDn** to decrease brightness.
- **Backlight Speed Adjustment:** Use **FN + =+** to increase speed and **FN + -\_** to decrease speed.

# RGB BACKLIGHT

7-COLOR DYNAMIC RGB LIGHT EFFECT



Image: The RedThunder K20 TKL keyboard displaying various RGB backlight effects and the key combinations for adjustment.

Your browser does not support the video tag.

Video: Demonstrating how to adjust the RGB backlight settings on the RedThunder K20 TKL keyboard and mouse.

## Mouse Functions

The optical mouse features adjustable RGB lighting and DPI settings.

- **RGB Backlight:** The mouse has 11 gorgeous backlight modes. Use the \* button (located on the bottom) to cycle through modes.
- **DPI Adjustment:** The mouse offers 4 adjustable DPI levels: 800, 1200, 1600, and 2400. Use the DPI button (located behind the scroll wheel) to cycle through these settings.
- **Ergonomic Design:** The mouse is designed to fit the palm comfortably for extended use.

# OPTICAL GAMING MOUSE

ADJUSTABLE RGB RECYCLABLE CHARGING CHARGING IN WIRED MODE



Image: Detailed view of the RedThunder optical gaming mouse, indicating the left/right buttons, scroll wheel, DPI button, forward/back buttons, and USB receiver storage.



Image: The RedThunder mouse illustrating its four adjustable DPI settings (800, 1200, 1600, 2400).

## MAINTENANCE

## Charging and Battery Life

The K20 combo is equipped with long-life rechargeable batteries. Both the keyboard and mouse can be charged via a Type-C USB cable.

- **Battery Capacity:** Keyboard: 2000mAh, Mouse: 600mAh.
- **Usage Time:** Approximately 8 hours of continuous use with lights on.
- **Smart Energy-Saving:** If there is no operation within 1-3 minutes, the devices will automatically go to sleep. Press any key to wake them up.
- **Charging:** Connect the provided USB cable to the devices and a power source. The mouse operates in wired mode while charging.



*Image: The RedThunder K20 TKL keyboard and mouse connected for charging, illustrating their rechargeable battery feature.*

## Cleaning and Care

To maintain the performance and appearance of your combo:

- Use a soft, dry cloth to wipe down the surfaces.
- Avoid using harsh chemicals or abrasive materials.
- Keep the devices away from excessive moisture and extreme temperatures.

## TROUBLESHOOTING

Problem	Possible Cause	Solution
Devices not connecting or slow response.	Low battery, receiver not properly plugged in, interference, or pairing lost.	Charge devices. Ensure USB receiver is fully inserted. Move closer to the receiver. Re-pair the devices as per the "Setup Guide" section.
Backlight not working or incorrect.	Backlight turned off, low battery, or incorrect mode selected.	Press the ON/OFF backlight button. Charge devices. Cycle through backlight modes using FN combinations (keyboard) or the bottom button (mouse).
Multimedia keys not fully compatible with MacOS.	Operating system limitation.	This is a known limitation for MacOS. Basic keyboard and mouse functions will work, but some multimedia keys may not.
Mouse not working while charging.	Normal operation.	The mouse is designed to operate in wired mode only when charging. This is not a malfunction.

## PRODUCT SPECIFICATIONS

- **Brand:** RedThunder
- **Model:** K20
- **Connectivity Technology:** 2.4G Wireless (USB receiver)
- **Keyboard Layout:** TKL (Tenkeyless)
- **Keyboard Dimensions:** 14.17 x 6.77 x 1.18 inches (35.5 x 17.4 x 3.3 cm)
- **Keyboard Weight:** 1.46 pounds
- **Keyboard Battery:** 2000mAh (Rechargeable)
- **Mouse Battery:** 600mAh (Rechargeable)
- **DPI Levels:** 800, 1200, 1600, 2400
- **Backlight:** Adjustable RGB (Keyboard & Mouse)
- **Keystroke Lifetime:** 10,000,000 keystrokes
- **Compatibility:** Windows 2000/XP/7/8/10/11, Vista, Raspberry Pi 3/4. Limited MacOS support (multimedia keys may not be fully compatible).
- **Country of Origin:** China

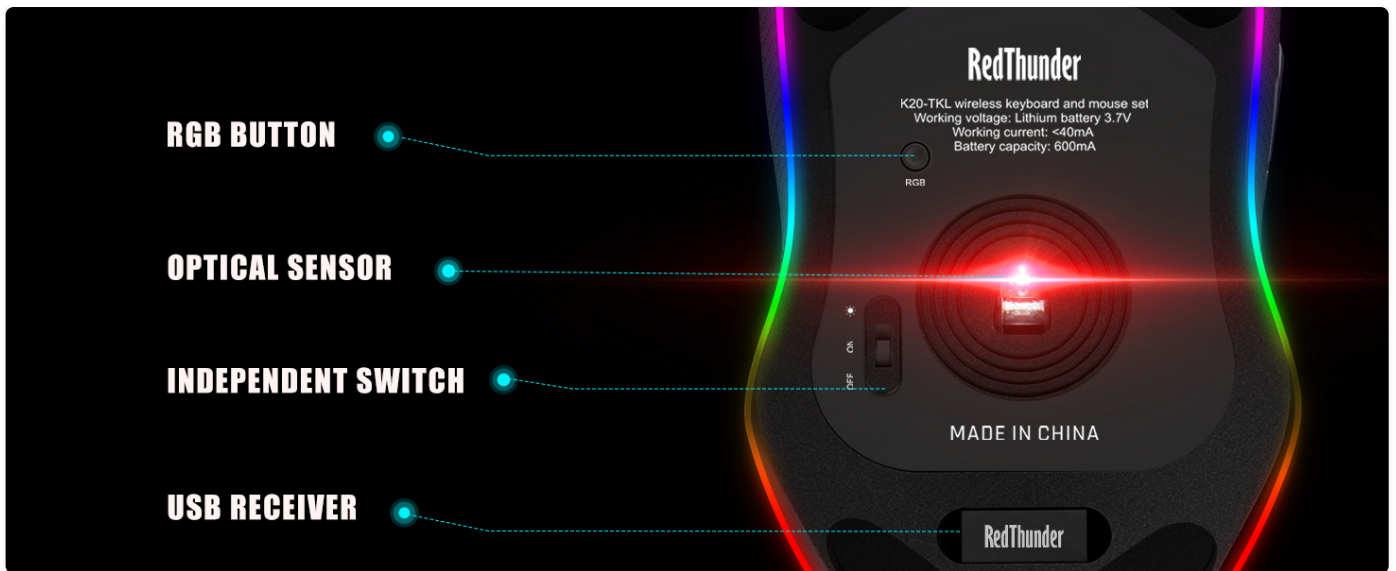


Image: Diagram showing the dimensions of the RedThunder K20 TKL keyboard and mouse.

## WARRANTY AND SUPPORT

RedThunder is committed to providing high-quality products and customer satisfaction. For any inquiries, technical support, or warranty-related concerns, please contact our customer service team.

You can typically find contact information on the product packaging or through the official RedThunder website. We aim to reply and solve your concerns as soon as possible.

For additional resources and product information, visit the [RedThunder Store on Amazon](#).