

## RedThunder K20

# RedThunder K20 Wireless Keyboard and Mouse Combo

Model: K20

## INTRODUCTION

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Thank you for choosing the RedThunder K20 Wireless Keyboard and Mouse Combo. This high-performance set is designed to enhance your gaming and office experience with its responsive keys, precise mouse control, and vibrant RGB lighting. This manual provides detailed instructions for setup, operation, maintenance, and troubleshooting to ensure optimal performance and longevity of your device.

## PACKAGE CONTENTS

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- RedThunder K20 Wireless Keyboard
- RedThunder K20 Wireless Mouse
- USB Receiver (stored in the mouse)
- Type-C Charging Cable

## SETUP

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The RedThunder K20 combo is designed for plug-and-play convenience. Follow these steps to get started:

1. **Locate the USB Receiver:** The USB receiver is conveniently stored in a compartment on the bottom of the mouse. Gently slide open the cover to retrieve it.
2. **Connect the Receiver:** Insert the USB receiver into an available USB port on your computer (PC, laptop, etc.).
3. **Power On:** Turn on both the keyboard and the mouse using their respective On/Off switches. The keyboard switch is located on the top edge, and the mouse switch is on the bottom.
4. **Automatic Connection:** The keyboard and mouse are pre-paired with the receiver. They should connect automatically within a few seconds.

5. **Re-pairing (if needed):** If the connection is lost or not established, you may need to reset the code pairing. Refer to the troubleshooting section for detailed steps.



Figure 1: The RedThunder K20 Wireless Keyboard and Mouse Combo, showing the USB receiver.

# RGB BACKLIGHT

7-COLOR DYNAMIC RGB LIGHT EFFECT



Figure 2: Location of the USB receiver on the bottom of the mouse.

## OPERATING INSTRUCTIONS

### Keyboard Functions

The K20 keyboard features a full QWERTY US 104-key layout with additional multimedia keys and customizable RGB backlighting.

- **Multimedia Keys:** The keyboard includes 10 dedicated multimedia function keys for quick access to media controls (play/pause, volume, etc.).
- **Anti-Ghosting:** Features 26-key-roller anti-ghosting for accurate input during intense gaming sessions.
- **RGB Backlight Control:** The keyboard has 4 sets of dynamic backlight effects.

### Keyboard RGB Control

Function	Key Combination	Description
Toggle RGB On/Off	FN + ON/OFF key	Turns the RGB backlight on or off.

Function	Key Combination	Description
Switch RGB Light Color	FN + %5 key	Cycles through 7 RGB monochrome lights and 1 RGB rainbow light.
Gradient Mode	FN + \$4 key	Activates gradient backlight effect.
Breathing Mode	FN + #3 key	Activates breathing backlight effect.
Neon Mode	FN + @2 key	Activates neon backlight effect.
Steamer Mode	FN + !1 key	Activates steamer backlight effect.
Adjust Breathing Speed	FN + - (Speed Up) / FN + = (Slow Down)	Adjusts the speed of breathing effects (4 speeds).
Adjust Brightness	FN + PgUp (Increase) / FN + PgDn (Decrease)	Adjusts the brightness of the backlight (4 levels).



Figure 3: The K20 keyboard showcasing its vibrant RGB backlight effects.

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Video 1: Demonstrates how to adjust the RGB lighting on the RedThunder K20 Wireless Gaming Keyboard, including switching modes and adjusting speed/brightness.

## Mouse Functions

The 7D optical mouse offers precise tracking and customizable RGB lighting.

- **DPI Adjustment:** The mouse features 5 levels of DPI adjustment (400-800-1600-2400-4800) to suit your precision needs. Use the DPI button to cycle through settings.
- **RGB Backlight:** The mouse has 11 gorgeous backlight modes. Use the \* button (sun icon) to adjust or turn off the RGB lighting.



Figure 4: The K20 mouse with its ergonomic 7D design and customizable RGB lighting.

## CHARGING AND BATTERY LIFE

Both the keyboard and mouse are rechargeable, ensuring long-lasting use.

- **Charging:** Use the provided Type-C charging cable to charge both devices. The charging port for the

keyboard is on the top edge, and for the mouse, it's at the front.

- **Battery Life:** The combo can be used continuously for up to 8 hours with the lights on. Turning off the RGB lighting will extend the non-charging time significantly.
- **Smart Energy-Saving:** If there is no operation within 1-3 minutes, the devices will automatically go to sleep to conserve battery. Press any key to wake them up.
- **Note:** The mouse operates in wired mode when it is charging.



Figure 5: Charging ports for the keyboard and mouse.

## COMPATIBILITY

The RedThunder K20 combo offers wide compatibility:

- **Operating Systems:** Compatible with Windows 2000/XP/7/8/10/11, Vista, and Raspberry Pi 3/4.
- **MacOS Support:** Provides limited MacOS support. Note that multimedia keys may not be fully compatible with MacOS systems.
- **Devices:** Works with your PC and laptop.

## MAINTENANCE

To ensure the longevity and optimal performance of your RedThunder K20 combo, follow these maintenance tips:

- **Cleaning:** Regularly wipe down the keyboard and mouse with a soft, dry cloth. For stubborn dirt, a slightly damp cloth can be used, ensuring no moisture enters the internal components.
- **Keycap Durability:** The keys have a 10,000,000 keystrokes lifetime. ABS transparent characters keycaps ensure visibility whether RGB lights are on or off.
- **Storage:** When not in use for extended periods, turn off both devices to conserve battery life. Store them in a cool, dry place.
- **Ergonomics:** The small slope design of the keyboard supports the wrist and reduces fatigue from prolonged use. The mouse fits the palm perfectly for comfortable control.

## TROUBLESHOOTING

If you encounter any issues with your RedThunder K20 combo, try the following solutions:

- **Connection Loss:** If the connection is lost for any reason, you only need to reset the code pairing. Turn off both the keyboard and mouse, remove the USB receiver, then re-insert the receiver and turn on the devices. They should re-pair automatically.
- **Slow Key Response or Flashing Light:** This indicates a low battery. Please charge the keyboard and mouse promptly using the provided Type-C cable.
- **Mouse Not Responding While Charging:** This is normal behavior. The mouse operates in wired mode only when charging.
- **Multimedia Keys Not Working on MacOS:** Due to limited MacOS support, some multimedia keys may not function as expected. This is a known compatibility limitation.

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Video 2: An overview of the RedThunder K20 Wireless Keyboard and Mouse, demonstrating its features and functionality.

## SPECIFICATIONS

### RedThunder K20 Specifications

Feature	Detail
Model Number	K20
Connectivity Technology	2.4G Wireless (USB Receiver)
Keyboard Layout	Full QWERTY US 104-key
Keyboard Multimedia Keys	10 Dedicated Multimedia Keys
Keyboard Anti-Ghosting	26-key-roller
Mouse DPI Levels	5 (400-800-1600-2400-4800)
Backlight	RGB (Keyboard: 4 dynamic effects, 4 breathing speeds, 4 brightness levels, 7 monochrome, 1 rainbow; Mouse: 11 modes)

Feature	Detail
Battery Type	Lithium Ion (included)
Battery Life (with light)	Up to 8 hours continuous use
Charging Port	Type-C
Keyboard Dimensions	17.32 x 9.65 x 1.57 inches
Item Weight	1.98 pounds
Manufacturer	RedThunder

## WARRANTY AND SUPPORT

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RedThunder is committed to providing high-quality products. If you encounter any issues or have questions regarding your RedThunder K20 Wireless Keyboard and Mouse Combo, please do not hesitate to contact our customer support. We are dedicated to assisting you and resolving any concerns you may have as quickly as possible.

For support, please refer to the contact information provided on the product packaging or the official RedThunder website.