

Redragon K551-RGB-MITRa

Redragon K551-RGB-MITRa Mechanical Gaming Keyboard User Manual

Model: K551-RGB-MITRa (Item Model Number: K551 RGB-1)

1. INTRODUCTION

Thank you for choosing the Redragon K551-RGB-MITRa Mechanical Gaming Keyboard. This manual provides essential information for setting up, operating, and maintaining your new keyboard. Please read it thoroughly to ensure optimal performance and longevity of your device.

2. PACKAGE CONTENTS

Please check the package contents upon opening. If any items are missing or damaged, contact your retailer.

- Redragon K551-RGB-MITRa Mechanical Gaming Keyboard
- User Manual

3. PRODUCT OVERVIEW

The Redragon K551-RGB-MITRa is a full-sized 104-key mechanical gaming keyboard featuring RGB backlighting and dedicated multimedia functions. Its robust design ensures durability and responsiveness for an enhanced gaming and typing experience.



Figure 3.1: Front-angled view of the Redragon K551-RGB-MITRa keyboard, showcasing its full layout and vibrant RGB backlighting.



Figure 3.2: Top-down perspective of the keyboard, illustrating the standard 104-key configuration and the Redragon branding.



Figure 3.3: Angled view emphasizing the ergonomic keycap design and the compact yet full-sized form factor.



Figure 3.4: Side profile of the keyboard, illustrating the adjustable feet that allow for customizable typing angles.

4. SETUP

1. **Unpack the Keyboard:** Carefully remove the keyboard from its packaging.
2. **Connect to Computer:** Plug the USB connector of the keyboard into an available USB port on your PC or laptop.
3. **Driver Installation:** The keyboard is plug-and-play. Your operating system (Windows 10 or compatible) will automatically detect and install the necessary drivers. No additional software installation is typically required for basic functionality.
4. **Adjust Tilt (Optional):** Flip out the adjustable feet on the underside of the keyboard to achieve your preferred typing angle.

5. OPERATING INSTRUCTIONS

5.1 Basic Keyboard Functions

The Redragon K551-RGB-MITRa functions as a standard 104-key keyboard. All keys are designed for full anti-ghosting, ensuring that multiple simultaneous key presses are registered accurately, which is crucial for gaming.

5.2 RGB Backlighting Control

The keyboard features customizable RGB backlighting. Use the following key combinations to adjust the lighting effects:

- **FN + INS:** Cycle through various backlight modes (e.g., breathing, wave, static, reactive).
- **FN + HOME:** Adjust backlight color in certain modes.
- **FN + PGUP:** Increase backlight brightness.
- **FN + PGDN:** Decrease backlight brightness.
- **FN + DEL:** Adjust backlight speed or direction in dynamic modes.

Note: Specific lighting effects and their controls may vary. Experiment with the FN key combinations to discover all available options.

5.3 Multimedia Keys

Access multimedia functions by holding the **FN** key and pressing the corresponding F-keys (F1-F12):

- **FN + F1:** Media Player
- **FN + F2:** Volume Down
- **FN + F3:** Volume Up
- **FN + F4:** Mute
- **FN + F5:** Stop
- **FN + F6:** Previous Track
- **FN + F7:** Play/Pause
- **FN + F8:** Next Track
- **FN + F9:** Email
- **FN + F10:** Web Browser
- **FN + F11:** My Computer
- **FN + F12:** Calculator

6. MAINTENANCE

To ensure the longevity and optimal performance of your keyboard, follow these maintenance guidelines:

- **Cleaning:** Disconnect the keyboard from your computer before cleaning. Use a soft, dry cloth to wipe the surface. For stubborn dirt, a slightly damp cloth can be used, but ensure no moisture enters the key switches. Compressed air can be used to remove dust and debris from between the keycaps.
- **Avoid Liquids:** Do not spill liquids on the keyboard. If a spill occurs, immediately disconnect it and allow it to dry completely before reconnecting.
- **Storage:** Store the keyboard in a cool, dry place away from direct sunlight and extreme temperatures.

7. TROUBLESHOOTING

If you encounter issues with your Redragon K551-RGB-MITRa keyboard, refer to the following common solutions:

| Problem | Possible Solution |
|---|---|
| Keyboard not responding | <ul style="list-style-type: none"> ◦ Ensure the USB cable is securely plugged into both the keyboard and the computer. ◦ Try plugging the keyboard into a different USB port. ◦ Restart your computer. ◦ Test the keyboard on another computer to rule out a system-specific issue. |
| Backlighting not working or incorrect | <ul style="list-style-type: none"> ◦ Check if the backlight brightness is set to maximum (FN + PGUP). ◦ Cycle through different backlight modes (FN + INS) to see if it responds. ◦ Ensure no software is overriding the keyboard's lighting settings. |
| Keys are not registering or double-typing | <ul style="list-style-type: none"> ◦ Clean the affected key(s) to remove any debris that might be obstructing the switch. ◦ Ensure the keyboard is connected directly to the computer, not through a USB hub. ◦ If the issue persists, it may indicate a hardware fault. |

8. SPECIFICATIONS

| Feature | Detail |
|----------------------|--|
| Brand | Redragon |
| Model | K551-RGB-MITRa (K551 RGB-1) |
| Keyboard Type | Mechanical Gaming Keyboard |
| Number of Keys | 104 Keys |
| Backlighting | RGB Backlit |
| Anti-Ghosting | Full N-Key Rollover (Conflict-free) |
| Multimedia Keys | 12 dedicated multimedia functions (via FN key) |
| Connectivity | USB Wired |
| Compatible Devices | PC, Laptop |
| Operating System | Windows 10 (and compatible versions) |
| Material | Plastic |
| Color | Black |
| Dimensions (approx.) | 44.4 x 15.2 x 4.2 cm |

| Feature | Detail |
|------------------|-----------|
| Weight (approx.) | 1.26 kg |
| Power Source | USB Power |

9. WARRANTY AND SUPPORT

Redragon products are designed for reliability and performance. For information regarding warranty coverage, technical support, or service inquiries, please refer to the warranty card included with your product or visit the official Redragon website. Keep your proof of purchase for warranty claims.