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Redragon K598

Redragon K598 TKL Wireless Mechanical Keyboard User Manual

Model: K598

1. INTRODUCTION

This manual provides detailed instructions for the Redragon K598 TKL Wireless Mechanical Keyboard. Please read this guide thoroughly to ensure proper setup, operation, and maintenance of your device. The K598 is a compact 87-key tenkeyless keyboard designed for gaming and general use, featuring RGB backlighting and Outemu Brown mechanical switches.

2. PACKAGE CONTENTS

Verify that all items are present in your package:

- Redragon K598 TKL Wireless Mechanical Keyboard
- USB Cable (for charging and wired connection)
- User Manual (this document)

3. SETUP AND CONNECTIVITY

3.1 Charging the Keyboard

Before initial use, fully charge the keyboard. Connect the provided USB cable to the keyboard's USB port and to a powered USB port on your computer or a USB wall adapter. The keyboard features a built-in Lithium Polymer battery. A full charge provides approximately 60 hours of use with LEDs off, or 30 hours with LEDs on.

3.2 Wireless Connection (2.4GHz)

1. Locate the wireless USB receiver, typically stored in a compartment on the keyboard.
2. Plug the USB receiver into an available USB port on your computer.
3. Ensure the power switch on the keyboard is set to the "ON" position.

4. The keyboard should automatically connect to your computer.

3.3 Wired Connection

To use the keyboard in wired mode, simply connect the USB cable from the keyboard to your computer. The keyboard will function as a wired device and charge simultaneously. This also allows for seamless switching between wired and wireless modes.



Figure 1: The Redragon K598 TKL Wireless Mechanical Keyboard connected via its USB cable, illustrating both wired operation and charging capabilities. The image highlights the compact design and RGB backlighting.

4. OPERATING INSTRUCTIONS

4.1 Basic Keyboard Functions

The Redragon K598 is a standard 87-key layout. All keys function as labeled. For specific multimedia or function key combinations, refer to the keycap legends, often used in conjunction with the **FN** key.

4.2 RGB Backlighting Control

The keyboard features user-programmable RGB backlighting with 18 distinct lighting modes. You can customize colors, brightness, and animation speed.

- To cycle through lighting modes: Press **FN + END**.
- To change single colors (8 options): Press **FN + INS**.
- To adjust brightness (6 levels): Use dedicated brightness control keys or **FN + Arrow Up/Down** (if available, otherwise implied by "6 brightness levels").
- To adjust breathing speed: Use dedicated speed control keys or **FN + Arrow Left/Right** (if available, otherwise implied by "adjustable breathing speed").



8 single colours, 6 brightness levels, adjustable breathing speed



Figure 2: Illustration of the Redragon K598 TKL keyboard's RGB backlighting capabilities, demonstrating 18 lighting modes and various single-color options (White, Red, Orange, Yellow, Green, Light Blue, Blue, Purple). Key combinations like FN + END and FN + INS are shown for mode and color changes.

4.3 Key Switch Characteristics

The K598 keyboard is equipped with Outemu Brown mechanical switches. These switches are characterized by a tactile bump, medium resistance, and quiet travel, providing precise tactile feedback suitable for both typing and gaming.

- **Actuation Force:** 45gf +/- 10gf
- **Keystroke Travel:** 2.2mm +/- 0.6mm
- **Durability:** Ultra-durable keys tested to 50 million keystrokes.

Outemu Brown Key Switches

Tactile, medium resistance, quiet travel,
precise tactile feedback good for typing and gaming

Actuation Force: 45 +/- 10gf

Keystroke Travel: 2.0 +/- 0.6mm



Figure 3: A detailed view of the Outemu Brown mechanical key switches, highlighting their design and placement within the Redragon K598 keyboard. This image emphasizes the tactile nature of the switches.



Figure 4: A banner image providing further details on the Outemu Brown Key Switches, including actuation force (45gf +/- 10gf) and keystroke travel (2.2mm +/- 0.6mm), and emphasizing their durability.

4.4 Keyboard Construction and Keycaps

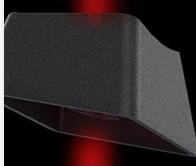
The K598 features a solid ABS construction with plate-mounted mechanical keys, designed for durability under demanding use. The keycaps are precision-engineered to provide crystal clear uniform backlighting and are resistant to wear, ensuring legends do not scratch off over time.

Solid ABS Construction

This PC Gaming Keyboard is constructed of highly durable ABS with plate-mounted mechanical keys and switches that stand up to tough gaming conditions



Precision Engineered Keycaps



Precision Engineered Keycap

Crystal Clear Uniform Backlighting

Precision engineered keycaps offering crystal clear uniform backlighting and lettering that doesn't scratch off



Figure 5: This image illustrates the solid ABS construction of the Redragon K598 TKL keyboard and highlights the precision-engineered keycaps designed for uniform backlighting and durability.

4.5 Tenkeyless Design

The compact 87-key tenkeyless (TKL) design of the K598 saves desk space without compromising performance. This layout is preferred by many gamers for its ergonomic benefits and reduced footprint, allowing more room for mouse movement.

Tenkeyless Design

The compact 87 key space-saving mechanical Keyboard design, frees up workspace on your desk without sacrificing performance and comfort during your marathon gaming sessions



Figure 6: A visual representation of the Redragon K598's tenkeyless design, showing its compact 87-key layout compared to a full-sized keyboard, emphasizing space-saving benefits.

5. MAINTENANCE

5.1 Cleaning the Keyboard

To maintain optimal performance and appearance, regularly clean your keyboard. Use a soft, lint-free cloth slightly dampened with water or a mild cleaning solution. Avoid harsh chemicals, abrasive materials, or excessive moisture. For cleaning between keycaps, use compressed air or a small brush.

5.2 Storage

When not in use for extended periods, store the keyboard in a dry, cool environment away from direct sunlight and extreme temperatures. Ensure the keyboard is powered off to conserve battery life.

6. TROUBLESHOOTING

If you encounter issues with your Redragon K598 keyboard, refer to the following common problems and solutions:

1. Keyboard not responding (Wireless Mode):

- Ensure the keyboard's power switch is ON.
- Verify the USB receiver is securely plugged into a working USB port on your computer.
- Check the keyboard's battery level. Connect the USB cable to charge if the battery is low.
- Try plugging the USB receiver into a different USB port.
- Restart your computer.

2. Keyboard not responding (Wired Mode):

- Ensure the USB cable is securely connected to both the keyboard and your computer.
- Try using a different USB port on your computer.
- Test with a different USB cable if available.
- Restart your computer.

3. RGB Backlighting not working or incorrect:

- Ensure the keyboard is powered on and charged.
- Cycle through lighting modes using **FN + END**.
- Adjust brightness levels.
- If using wireless mode, low battery can affect LED performance. Charge the keyboard.

4. Keys repeating or not registering:

- Clean the affected key switch area with compressed air to remove debris.
- Ensure the keycap is properly seated.
- If the issue persists, it may indicate a hardware fault.

5. Software installation issues:

- Ensure you download the correct software version for your specific keyboard model from the official Redragon website.
- Temporarily disable antivirus or firewall software during installation if it interferes.
- Run the installer as an administrator.

7. SPECIFICATIONS

Feature	Detail
Brand	Redragon
Model Number	K598
Product Dimensions	14.37 x 5.31 x 1.36 inches (36.5 x 13.5 x 3.45 cm)
Item Weight	1.57 pounds (0.71 kg)
Connectivity Technology	USB (Wired) / 2.4GHz Wireless
Compatible Devices	PC (Windows)
Keyboard Description	Gaming, Tenkeyless (87-key)

Special Features	Backlit, Ergonomic, Rechargeable
Keyboard Backlighting	RGB (18 modes, 8 single colors)
Key Switches	Outemu Brown Mechanical Switches
Battery Type	1 Lithium Polymer battery (included)
Power Source	Rechargeable Battery
Included Components	USB Cable
First Available Date	December 25, 2024

8. WARRANTY AND SUPPORT

8.1 Warranty Information

Specific warranty details for the Redragon K598 TKL Wireless Mechanical Keyboard are typically provided with the product packaging or available on the official Redragon website. Please retain your proof of purchase for warranty claims.

8.2 Customer Support

For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please contact Redragon customer support. Visit the official Redragon website for contact information and additional resources.

Official Redragon Website: www.redragonusa.com