

EMPIRE GAMING RF903

EMPIRE GAMING RF903 Wireless Gaming Mouse User Manual

Model: RF903

[Introduction](#)

[Setup](#)

[Operating Instructions](#)

[Maintenance](#)

[Troubleshooting](#)

[Specifications](#)

[Warranty](#)

[Support](#)

1. INTRODUCTION

Thank you for choosing the EMPIRE GAMING RF903 Wireless Gaming Mouse. This manual provides detailed instructions for setting up, operating, and maintaining your new gaming mouse. Designed for precision and comfort, the RF903 features 2.4GHz wireless connectivity, adjustable DPI settings, and vibrant RGB backlighting, making it suitable for various gaming and computing environments.



Figure 1: EMPIRE GAMING RF903 Wireless Gaming Mouse, front view with active RGB lighting.

2. SETUP

2.1 Package Contents

- EMPIRE GAMING RF903 Wireless Gaming Mouse
- 2.4GHz USB Receiver
- USB-C Charging Cable
- User Manual (this document)

2.2 Connecting the Mouse

1. Locate the 2.4GHz USB receiver. It is typically stored in a compartment on the underside of the mouse.
2. Insert the USB receiver into an available USB port on your PC, Mac, PS4, PS5, or Xbox console.
3. Turn on the mouse using the ON/OFF switch located on the bottom of the mouse. The mouse will automatically connect to the receiver.



Figure 2: Underside of the RF903 mouse, highlighting the USB receiver slot and power switch.

2.3 Charging the Mouse

The RF903 mouse is equipped with a rechargeable Lithium-polymer battery. To charge:

1. Connect the USB-C end of the charging cable to the mouse's charging port.
2. Connect the USB-A end of the charging cable to a powered USB port on your computer or a USB wall adapter.
3. The RGB lighting may indicate charging status (refer to operating instructions for specific light patterns). A full charge provides up to 100 hours of use.

3. OPERATING INSTRUCTIONS

3.1 Button Functions

The RF903 mouse features multiple programmable buttons for enhanced control:

- **Left Button:** Standard left-click function.
- **Right Button:** Standard right-click function.
- **Scroll Wheel:** Scrolls up/down, and acts as a middle-click button.
- **DPI Button:** Cycles through DPI settings (1200, 2400, 4800 DPI).
- **Next Button:** Forward function (e.g., in web browsers).
- **Previous Button:** Back function (e.g., in web browsers).

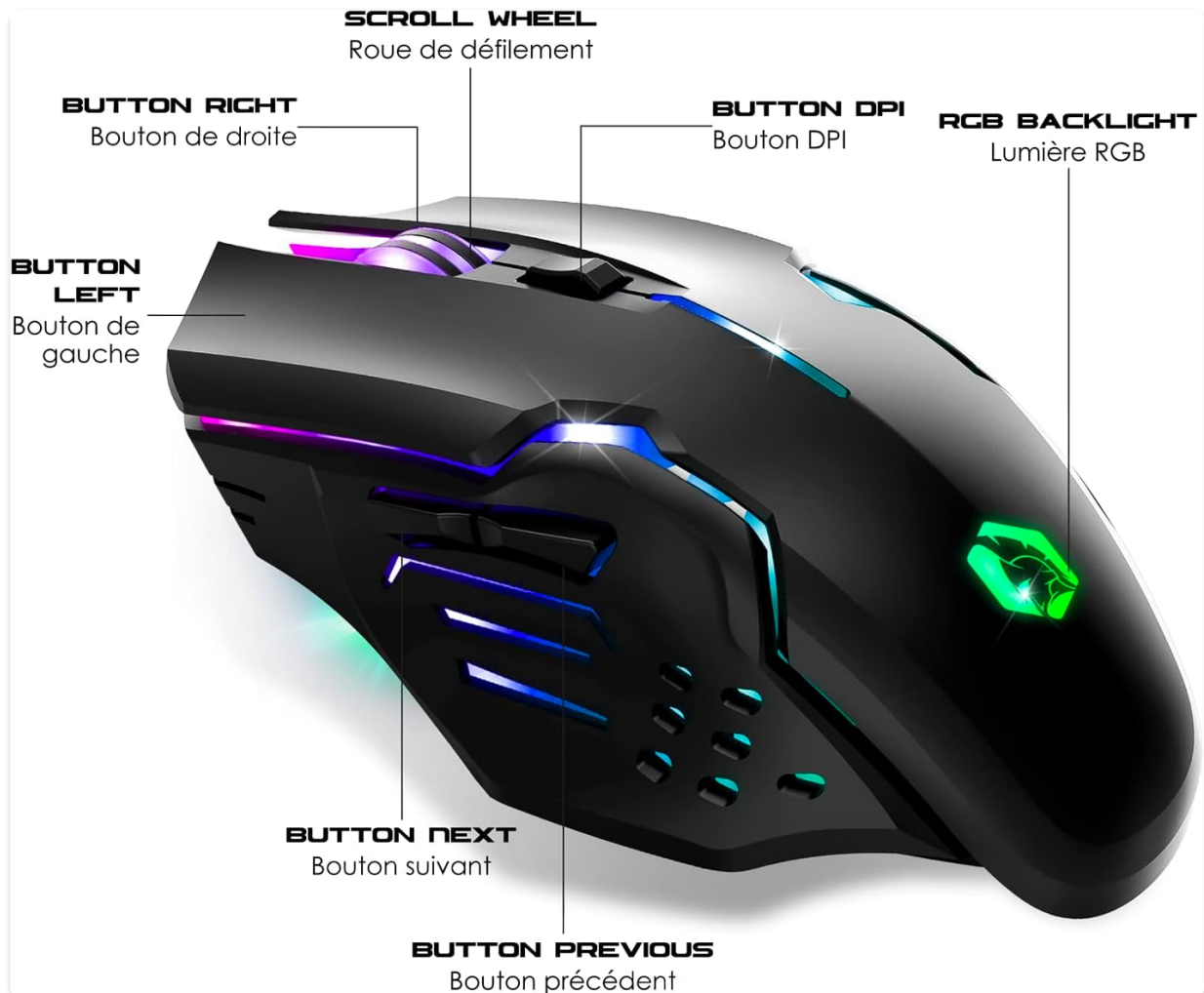


Figure 3: Labeled buttons and features of the RF903 mouse.

3.2 DPI Adjustment

Press the **DPI Button** (located behind the scroll wheel) to cycle through the available sensitivity settings:

- 1200 DPI (Default)
- 2400 DPI
- 4800 DPI

The mouse's polling rate is up to 500 Hz, ensuring high precision and responsiveness.

3.3 RGB Backlighting

The RF903 features dynamic RGB LED backlighting. The lighting effects are pre-programmed and will

illuminate automatically when the mouse is powered on. There is no specific button to change RGB modes, but the lighting enhances the aesthetic appeal of your setup.



Figure 4: RF903 mouse displaying its RGB lighting from a side angle.

3.4 Compatibility

The RF903 mouse is Plug-and-Play compatible with a wide range of devices:

- PC (Windows operating systems)
- Mac (macOS operating systems)
- PlayStation 4 (PS4)
- PlayStation 5 (PS5)
- Xbox One
- Xbox Series X/S

4. MAINTENANCE

4.1 Cleaning

To maintain optimal performance and appearance, clean your mouse regularly:

- Use a soft, dry cloth to wipe the surface of the mouse.
- For stubborn dirt, slightly dampen the cloth with water or a mild cleaning solution. Avoid harsh chemicals.
- Do not allow liquids to enter the mouse's internal components.
- Use a cotton swab or compressed air to clean around the scroll wheel and sensor area.

4.2 Battery Care

The integrated Lithium-polymer battery is designed for long life. To prolong battery health:

- Avoid fully discharging the battery frequently.
- Charge the mouse using the provided USB-C cable.
- Store the mouse in a cool, dry place when not in use for extended periods.

5. TROUBLESHOOTING

5.1 Mouse Not Responding

- Ensure the mouse is powered on using the switch on the bottom.
- Check if the USB receiver is securely plugged into a working USB port.
- Try plugging the USB receiver into a different USB port.
- Ensure the mouse battery is charged. Connect the charging cable and try again.
- Move the mouse closer to the USB receiver to rule out interference.

5.2 DPI Not Changing

- Ensure you are pressing the dedicated DPI button.
- If the issue persists, try restarting the mouse (turn off and on).

5.3 RGB Lighting Not Working

- Ensure the mouse is powered on.
- Check battery level; low battery might disable lighting to conserve power.

5.4 Lag or Disconnection

- Ensure there are no large metallic objects or other wireless devices causing interference between the mouse and the receiver.
- Try moving the receiver to a front USB port for a clearer line of sight.

6. SPECIFICATIONS

Feature	Detail
Brand	EMPIRE GAMING
Model Name	RF903
Model Number	OE-MO-903BK
Connectivity	2.4GHz Wireless, USB (for charging)
DPI Settings	1200, 2400, 4800
Polling Rate	Up to 500 Hz
Backlight	RGB LED
Battery Type	Lithium-polymer (Rechargeable)
Battery Life	Up to 100 hours
Number of Buttons	6 (Left, Right, Scroll, DPI, Next, Previous)

Movement Detection	Optical
Hand Orientation	Right
Compatible Operating Systems	Windows, macOS
Compatible Consoles	PS4, PS5, Xbox One, Xbox Series X/S

7. WARRANTY INFORMATION

The EMPIRE GAMING RF903 Wireless Gaming Mouse comes with a **2-year manufacturer's warranty**. This warranty covers defects in materials and workmanship under normal use. It does not cover damage caused by misuse, accidents, unauthorized modifications, or normal wear and tear.

Please retain your proof of purchase for warranty claims.

8. CUSTOMER SUPPORT

If you encounter any issues not covered in the troubleshooting section or require further assistance, please contact EMPIRE GAMING customer support. Refer to the product packaging or the official EMPIRE GAMING website for the most up-to-date contact information.

When contacting support, please have your product model (RF903) and proof of purchase ready.