SPARTAN GEAR

OTRERA

wireless gaming mouse

USER MANUAL

CONTENTS

- ENGLISH.....3

EN USER MANUAL

Introduction

Thank you for choosing the **Spartan Gear Otrera Wireless Gaming Mouse**.

The **SG Otrera** is an ultra-lightweight gaming mouse designed for competitive performance and everyday versatility. Through the dedicated **Spartan Gear** software, you can customize mouse buttons, adjust DPI sensitivity, configure performance settings, create macros, and personalize additional mouse functions.

KEY FEATURES

- Triple-mode connectivity:
  - Bluetooth
  - 2.4GHz Wireless
  - Wired USB
- Ultra-lightweight design (57g)
- Up to 12,800 DPI sensitivity
- Fully customizable software
- Macro support
- Polling rates up to 1000Hz
- Multiple user profiles

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PACKAGE CONTENTS

The package includes:

- **Spartan Gear Otrera Mouse**
- USB Wireless Receiver (2.4GHz)
- USB Charging Cable

MOUSE OVERVIEW

The **SG Otrera** features the following controls:

1. Left Mouse Button
2. Scroll Wheel / Middle Button
3. Right Mouse Button
4. Forward Button
5. Backward Button
6. DPI Switch Button
7. Mode Indicator LED
8. Power Switch (ON/OFF)

UNDERSTANDING THE STATUS INDICATOR

The mode indicator light identifies the currently selected connection mode.

Mode	Indicator Color
Bluetooth Device 1	Green
Bluetooth Device 2	Blue
2.4GHz Wireless/wired	Red

The indicator will flash during pairing and remain stable when the connection is established.

CHARGING THE MOUSE

Before first use, fully charge the mouse.

1. Connect the supplied USB cable to the mouse.
2. Connect the other end to a USB power source.
3. Allow the battery to charge fully before extended use.

The **SG Otrera** includes a built-in 400mAh rechargeable battery.

CONNECTION METHODS

The **SG Otrera** supports three operating modes:

1. Bluetooth
2. 2.4GHz Wireless
3. Wired USB

You can switch between modes at any time.

Method 1: Connecting via 2.4GHz Wireless Receiver

This is the recommended mode for gaming because it provides low latency and high responsiveness.

Step 1: Locate the USB wireless receiver included with the mouse.

Step 2: Insert the receiver into an available USB port on your computer.

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Step 3: Turn the mouse ON.

Step 4: Switch the mouse to 2.4GHz mode.

The mode indicator will display the 2.4GHz color (red).

Step 5: Wait a few seconds while the mouse automatically connects.

Once connected:

- Cursor movement will be active
- Mouse buttons will function normally
- No additional drivers are required for basic operation

Recommended Uses:

- Gaming
- Esports
- High-performance applications
- General desktop use

Method 2: Connecting via Bluetooth

The **SG Otrera** can store two Bluetooth connections, making it easy to switch between multiple devices.

Pairing Bluetooth Device 1

Step 1: Turn the mouse ON.

Step 2: Switch to Bluetooth 1 mode.

The Green indicator light will activate.

Step 3: Press and hold the mode button until the indicator begins flashing. This places the mouse into pairing mode.

Step 4: Open Bluetooth settings on your device.

Step 5: Search for available devices.
The mouse appears as: **SG Otrera**

Step 6: Select **SG Otrera** and complete pairing.

The indicator light stops flashing once connected.

Pairing Bluetooth Device 2

The second Bluetooth memory slot allows connection to another device. Examples:

- Laptop
- Tablet
- Smartphone

Step 1: Switch to Bluetooth 2 mode. The Blue indicator light will activate.

Step 2: Place the mouse into pairing mode.

Step 3: Open Bluetooth settings on the second device.

Step 4: Select: **SG Otrera**

Step 5: Complete pairing.

The mouse will now remember both Bluetooth devices.

Switching Between Paired Devices

Once devices are paired:

Bluetooth 1: Switch to the Green mode indicator.

Bluetooth 2: Switch to the Blue mode indicator.

The mouse automatically reconnects to the previously paired device.

Method 3: Using Wired Mode

Wired mode allows the mouse to operate while charging.

Step 1: Connect the supplied USB cable.

Step 2: Connect the cable to the computer.

Step 3: The mouse is immediately ready for use. No pairing is required.

Benefits of Wired Mode

- Zero battery concerns
- Continuous gameplay
- Simultaneous charging
- Stable connection

DPI SETTINGS

DPI controls cursor sensitivity.

The **SG Otrera** supports the following DPI levels:

DPI	Indicator Color
800	Red
1600	Green
2400	Blue
3200	Yellow
6400	Cyan
12800	Purple

The selected DPI setting is stored in memory and remains active after restarting the mouse.

Changing DPI

1. Press the DPI button.
2. The mouse cycles through the available DPI levels.
3. The indicator color changes to show the active DPI setting.

Recommended DPI Settings

Office Work: 800–1600 DPI

General Use: 1600–3200 DPI

Competitive FPS Gaming: 800–2400 DPI

Fast-Paced Gaming: 3200–6400 DPI

Polling Rate

Polling rate determines how often the mouse communicates with the computer.

Available options:

- 125Hz
- 250Hz
- 500Hz
- 1000Hz

Default setting: 250Hz

Higher polling rates provide faster response times and smoother tracking.

TROUBLESHOOTING

The Mouse Does Not Connect in 2.4GHz Mode

- Verify the USB receiver is connected.
- Turn the mouse OFF and ON.
- Move closer to the receiver.
- Try another USB port.

The Mouse Does Not Appear in Bluetooth

- Ensure Bluetooth is enabled on the device.
- Put the mouse back into pairing mode.
- Remove previous pairings and reconnect.

Cursor Is Moving Too Fast

Reduce the DPI setting using the DPI button.

Cursor Is Moving Too Slowly

Increase the DPI setting using the DPI button.

Mouse Is Not Responding

- Check battery charge level.
- Connect using the USB cable.
- Restart the mouse.

TECHNICAL SPECIFICATIONS

Specification	Value
Model	GM020

Weight	57g
Sensor	S203
Battery	400mAh Rechargeable
Connectivity	Bluetooth / 2.4GHz / Wired
DPI Range	800–12,800 DPI
Polling Rate	125 / 250 / 500 / 1000Hz
RGB Lighting	Yes
Cable Length	1.5m
Bluetooth Name	SG Otrera

SOFTWARE INSTALLATION

Before you begin

1. Ensure the mouse is connected using either:
   - USB cable
   - 2.4GHz receiver
   - Bluetooth connection
2. Install the **SG Otrera** software.
3. Launch the software.
   The software will automatically detect the mouse and display the main control interface.

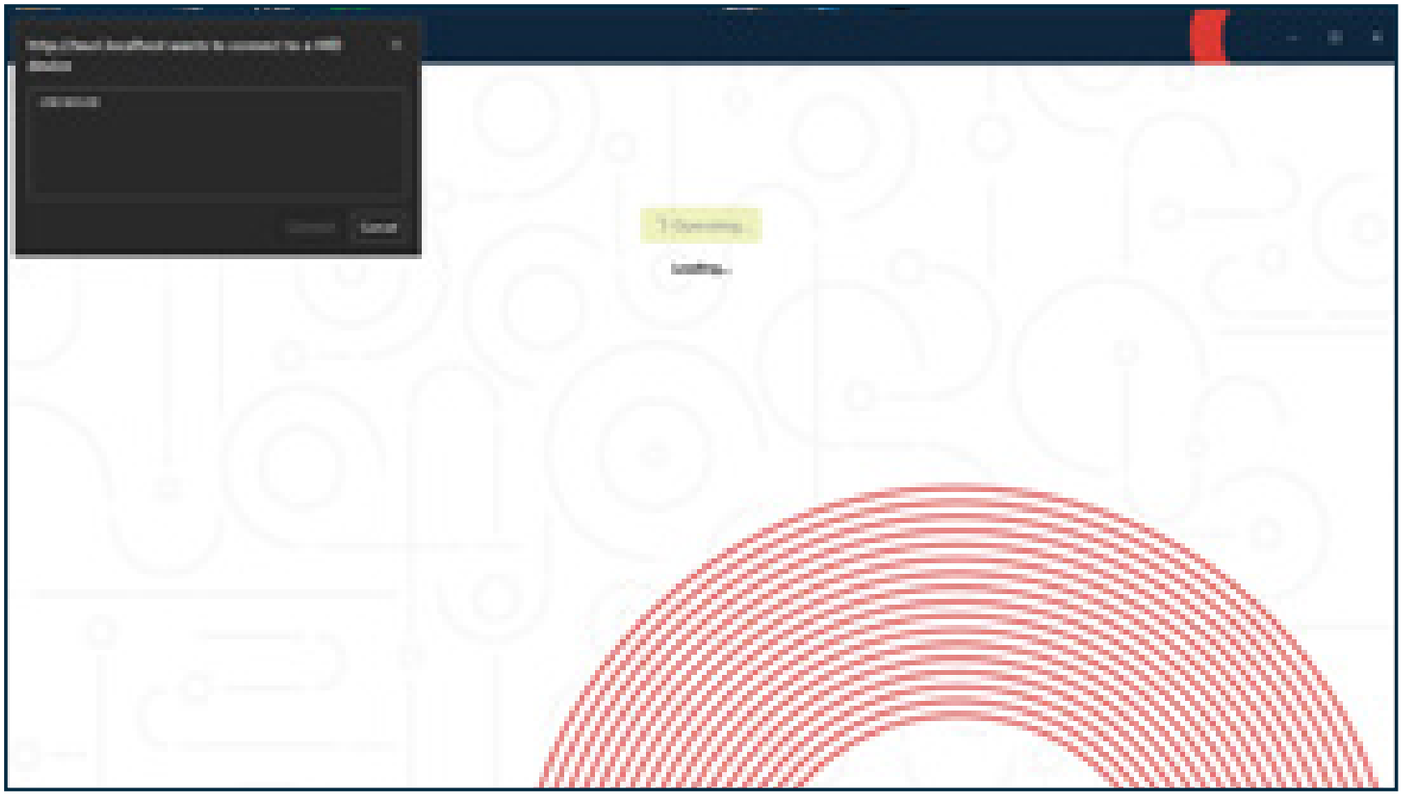
First Launch Setup

When opening the software for the first time:

Add Device

The software will search for supported devices.

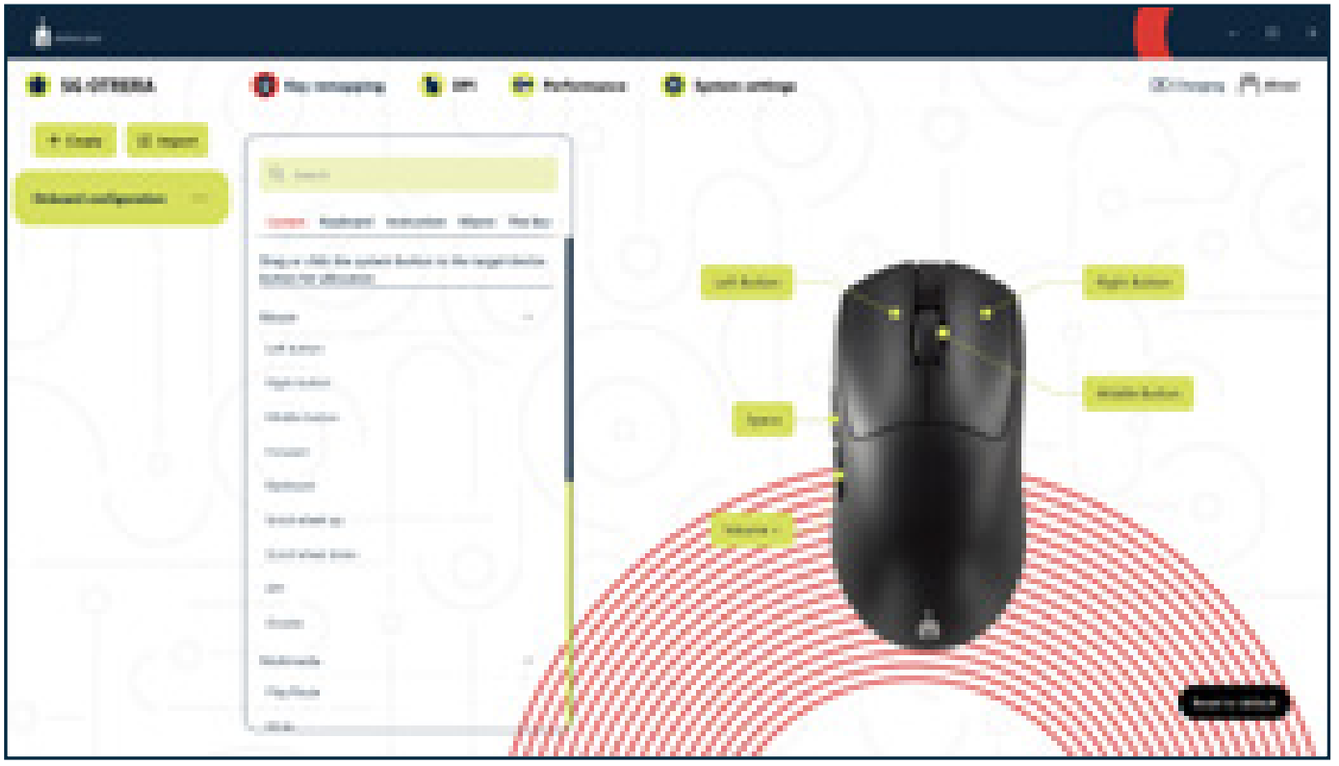
- Click **Add New Device**
- Select your **USB Mouse**
- Confirm the pairing process



Software Overview

The main interface is divided into several sections:

- **+ Create** Configuration
  Create and manage multiple profiles.
- **Key Remapping**
  Modify button assignments and shortcuts.
  Macro Manager
  Create and assign advanced macros.
- **DPI** Settings
  Customize mouse sensitivity levels.
- **Performance** Settings
  Adjust polling rate and scroll wheel behavior.
- **System Settings**
  Reset functions individually or perform a full factory reset.



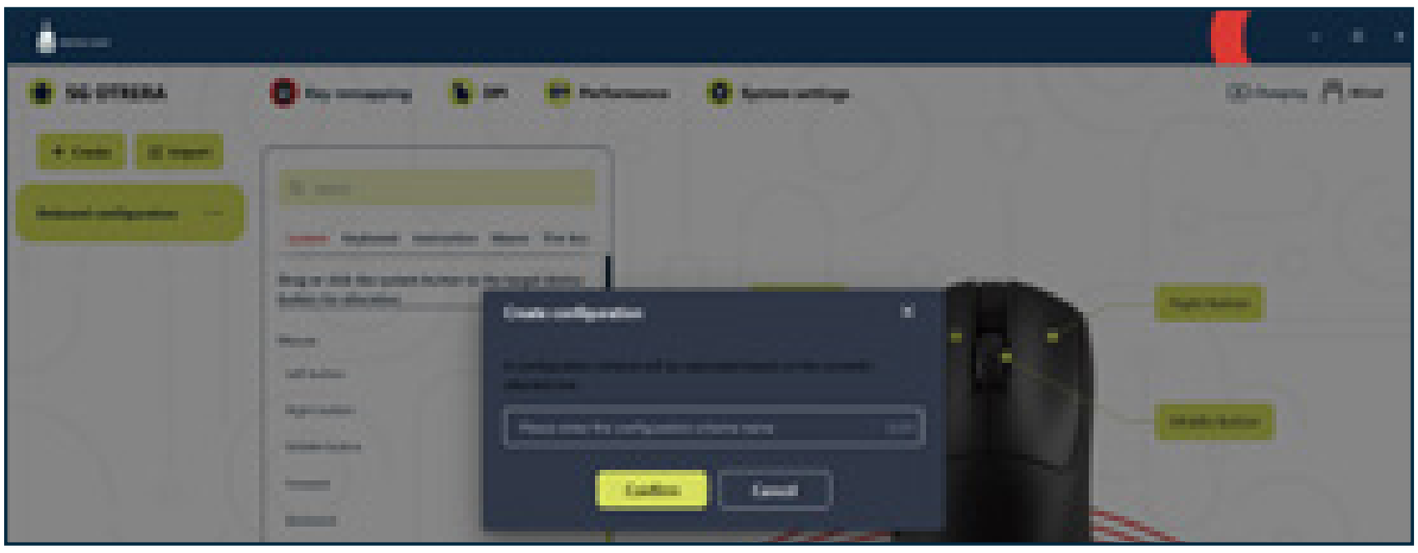
CONFIGURATION PROFILES

Profiles allow different settings to be saved for different applications or games. Examples:

Profile	Purpose
FPS	Low DPI, Sniper Settings
MMO	Multiple Macro Assignments
MOBA	Fast Shortcut Access
Office	Productivity Shortcuts

Creating a New Profile

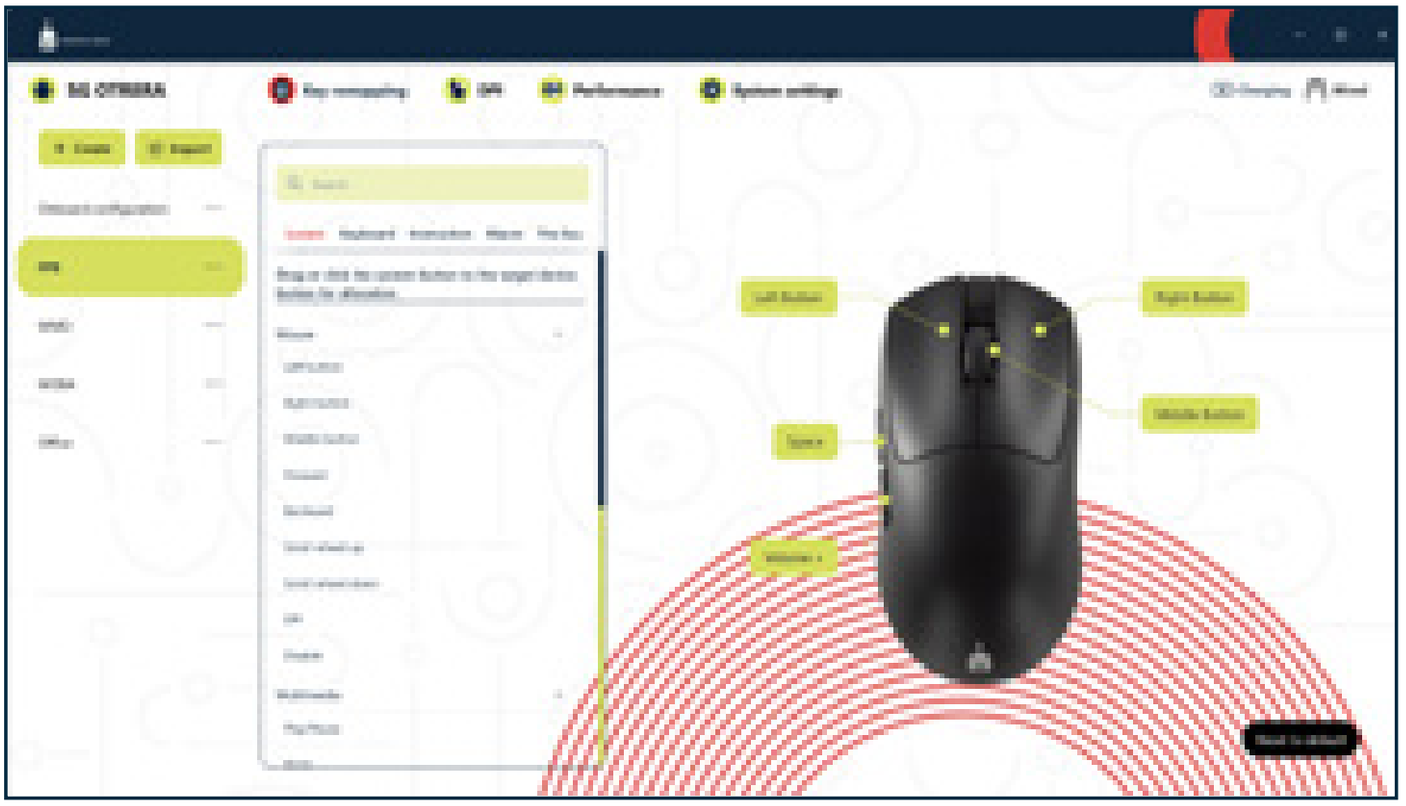
1. **+ Creat**.
2. Enter a profile name.
1. **Confirm** the configuration.



Switching Profiles

Select the desired profile and click **Apply**.

The mouse immediately uses the selected settings.



KEY REMAPPING

Customizing Mouse Buttons

All programmable buttons can be reassigned. To customize a button:

1. Under the **system page**.
2. Click the button on the mouse illustration.
3. Select a new function.
4. Any changes will change automatically.

The mouse diagram makes it easy to identify each physical button before assigning a function.

Popular Assignments

Multimedia Controls

- Play/Pause
- Volume Up
- Volume Down
- Mute

Keyboard Keys

Assign frequently used keyboard keys directly to a mouse button.

Examples:

- R = Reload
- F = Interact
- M = Map
- ESC = Menu

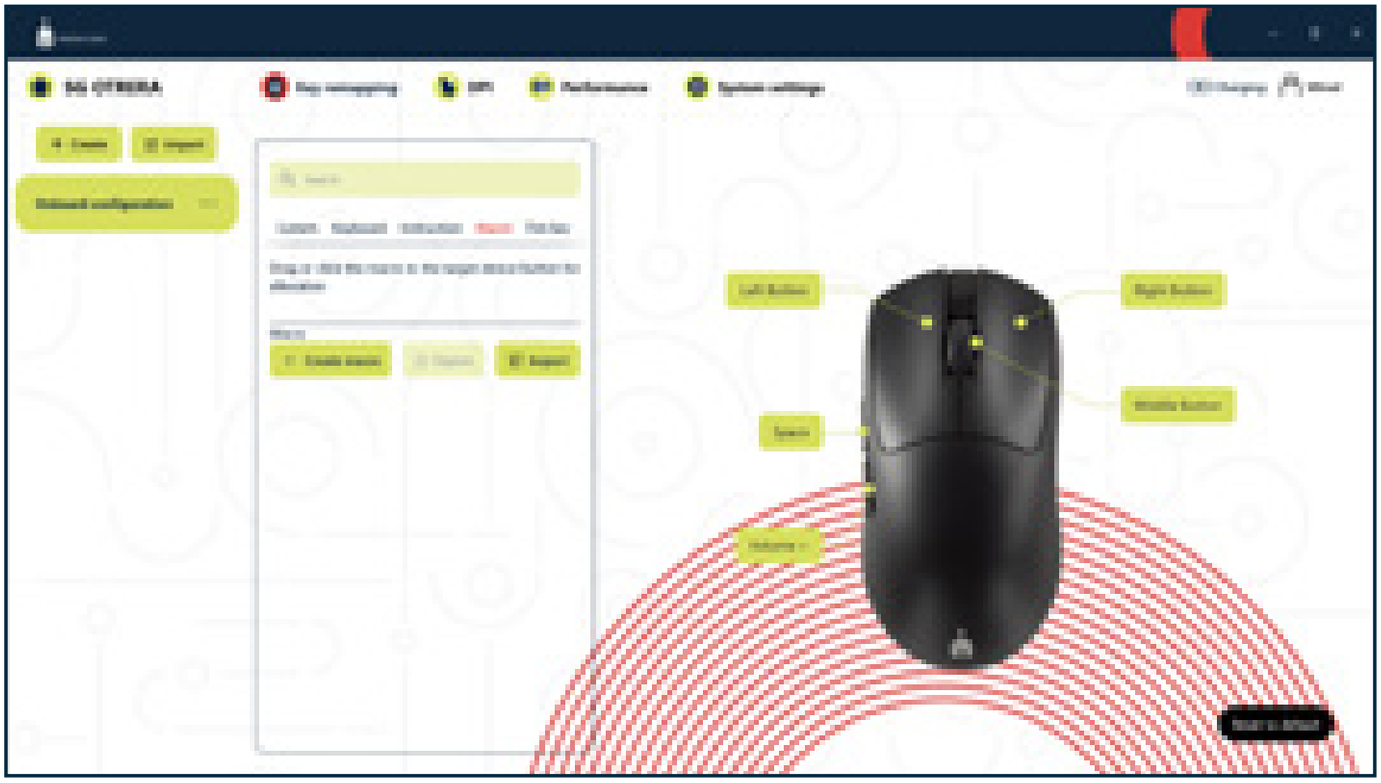
Macro Commands

Assign recorded macros to any supported mouse button.

MACRO FUNCTIONS

Macros allow multiple actions to be triggered by a single button press. Common uses:

- MMO skill combinations
- Repetitive actions
- Productivity shortcuts
- Software commands



Creating a Macro

Step 1: Click: **+ Create** Macro

Step 2: Naming the Macro

Enter a name for your macro. Examples:

- FPS Burst

- MMO Combo
- Office Shortcut

Press **Enter** to save.

Step 3: Choose Playback Type

The software offers four execution methods.

Press and Repeat

Macro repeats continuously while the assigned button is held.

Ideal for:

- Rapid fire actions
- Continuous commands

Toggle Start / Stop

- Press once to start.
- Press again to stop.

Ideal for repetitive farming tasks or repeated commands.

Stop when another key is pressed

The macro continues until any other keyboard input is detected.

Loop Mode

Executes the assigned sequence repeatedly according to the configured loop settings.

Step 4 – Record Actions

1. Click Start Recording.
2. Perform the desired keyboard and mouse actions.
3. Click Stop Recording.

Every movement and keystroke will be stored within the macro.

Step 5 – Configure Delay

The delay setting controls timing between recorded actions.
Options include:

- Recorded timing
- Fixed timing
- Standard delay (50ms default)

Lower delay values execute actions faster.
Higher values create more natural execution.

Step 6 – Save the Macro

- Click Save.
- Exit Macro Editor.
- Save settings again.

The macro is now available for assignment.

ASSIGNING A MACRO TO A BUTTON

1. Return to Key mapping.
2. Select the desired mouse button.
3. Choose Macro.

4. Select the created macro.
5. Apply automatically.

The selected mouse button will now execute the macro.

DPI SETTINGS

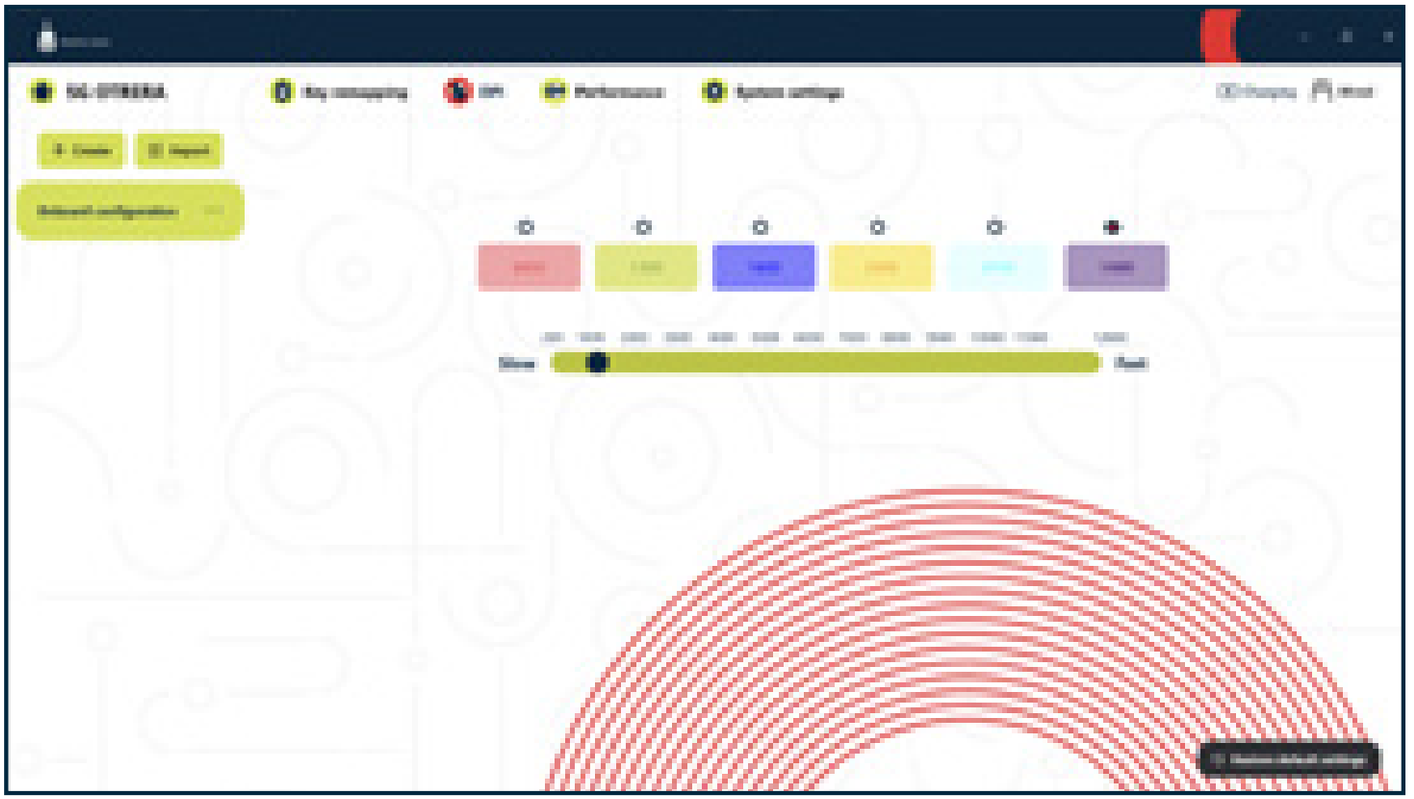
DPI (Dots Per Inch) determines cursor sensitivity.

Low DPI

Provides higher precision.

Recommended for:

- FPS games
- Graphic design
- Precision aiming



High DPI

Provides faster movement across the screen. Recommended for:

- Large displays
- Fast navigation
- General use

Available DPI Levels

The software provides common preset values including:

- 800 DPI
- 1600 DPI
- 2400 DPI
- 3200 DPI
- 6400 DPI
- 12000 DPI

Users can also manually adjust DPI using the slider.

Custom DPI Adjustment

The sensitivity slider allows adjustment between:

200 DPI – 12,800 DPI

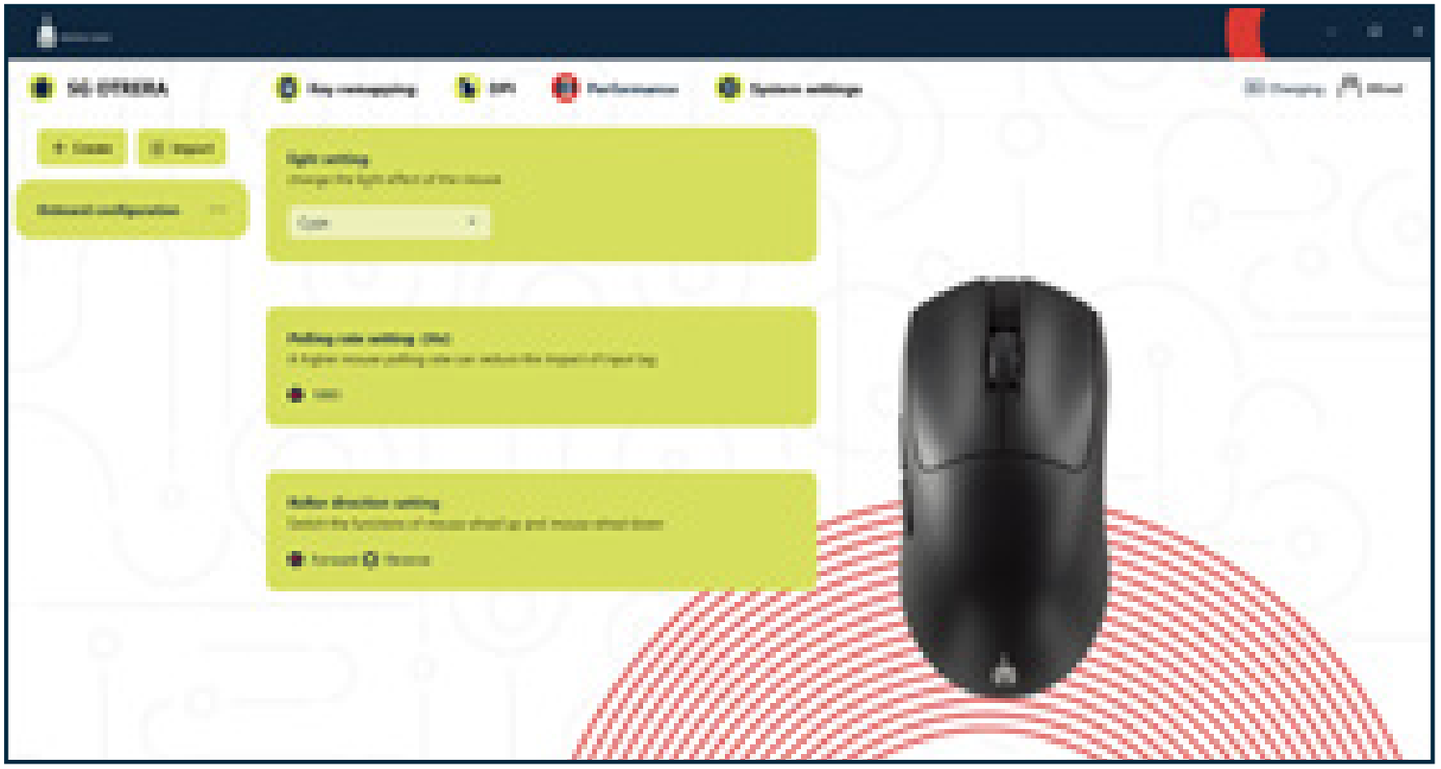
Lower values provide precise movement.

Higher values provide faster cursor movement.

Tip: Configure multiple DPI levels and switch between them using the DPI button on the mouse.

PERFORMANCE SETTINGS

The Performance tab controls how the mouse communicates with the computer.



Light Settings

The **SG Otrera** software includes lighting customization options.

Users can switch between available lighting effects and adjust behavior according to personal preference. The software provides up to 10 lighting modes.

Typical adjustments include:

- Effect selection
- Brightness
- Speed
- Color customization

Depending on firmware version, available effects may vary.

Polling Rate

Polling rate determines how often the mouse reports movement data. Available settings:

- 125Hz
- 250Hz
- 500Hz
- 1000Hz

Higher rates reduce input delay and improve responsiveness.

Recommended Settings

Usage	Recommended Rate
Office	125Hz
General Gaming	500Hz
Competitive Gaming	1000Hz

Scroll Wheel Direction

The software allows the scroll wheel direction to be reversed.

Standard (Forward)

Scroll up = Move up

Scroll down = Move down

Reverse

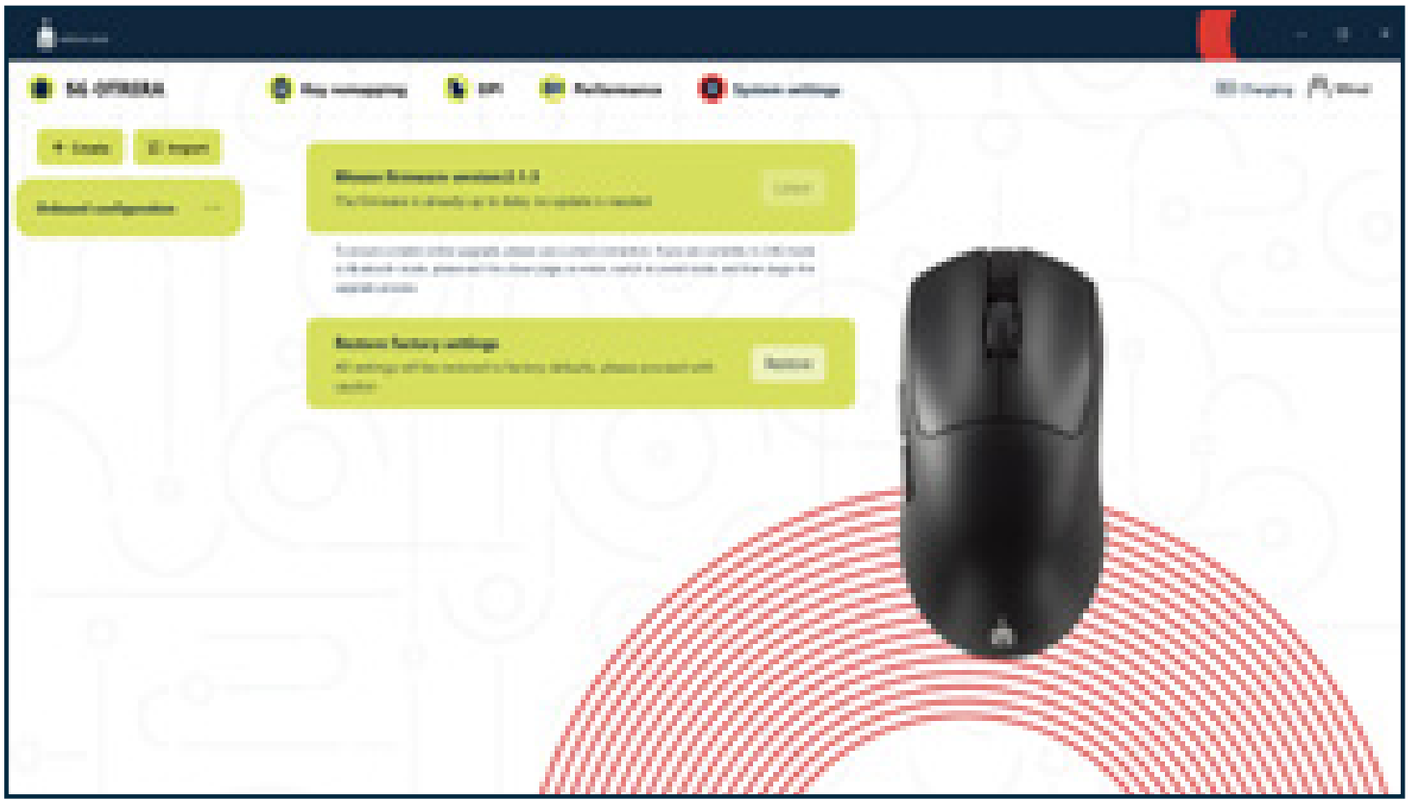
Scroll up = Move down

Scroll down = Move up

This option is useful for users who prefer inverted scrolling

behavior.

RESTORING DEFAULT SETTINGS



Restore Mouse Settings

Restores button assignments only.
Other settings remain unchanged.

Factory Reset

Returns all mouse settings to original factory defaults.
Use Factory Reset when:

- Troubleshooting issues
- Preparing the mouse for another user
- Starting from scratch

TROUBLESHOOTING

Mouse Not Detected

- Verify USB connection
- Reconnect the wireless receiver
- Re-pair Bluetooth connection
- Restart the software

Macro Not Working

- Confirm the macro was saved
- Verify the button assignment
- Check the selected playback mode

DPI Changes Not Applied

- Click Apply after making changes
- Ensure the active profile is selected

Unexpected Cursor Behavior

- Verify DPI settings
- Check polling rate settings
- Confirm scroll direction settings

TIPS FOR COMPETITIVE GAMING

FPS Games

- DPI: 800–1600
- Polling Rate: 1000Hz

MOBA Games

- DPI: 1600–3200
- Polling Rate: 1000Hz

Office Use

- DPI: 1200–2400
- Polling Rate: 125–250Hz

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