



**NearLink 1K Tri-Mode Wireless  
Gaming Mouse  
Model: 2604806  
USER MANUAL**



Thank you for choosing the **RadioShack NearLink gaming mouse 2604806!** We appreciate your purchase and hope you enjoy its quality. To get the most out of your device, please read these instructions carefully and keep this guide for future reference.

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## 1. Product Description

The NearLink 1K Tri-Mode Wireless Gaming Mouse is a high-performance, ergonomic mouse designed for both-handed use. It supports three connectivity modes (NearLink wireless, Bluetooth, and wired USB), a high-precision sensor, and programmable macro functionality for professional gaming.

### 1.1 Key highlights:

- Tri-Mode Connectivity: NearLink wireless, Bluetooth, USB wired
- Chipset: NearLink+Pixart3311
- DPI: 800, 1200 (default), 1600, 2400, 5000, 12000, 24000 DPI
- Polling rate: up to 1000 Hz
- Weight: ~54.3 g (±3 g); Size: 119 × 40 × 62 mm
- Battery: Built-in 300 mAh lithium-ion
- Battery life: Up to ~60 hours (typical), standby up to ~250 days
- Switches: HUANO switches with durability > 20 million clicks

## 2. What's in the Box?

- 1x Gaming mouse
- 1x User manual
- 1x Type-C paracord cable

## 3. Specifications (Summary)

- Modes: Wired, NearLink wireless, Bluetooth
- Key count: 7
- Material: ABS
- Color: Black
- Chipset: NearLink + Pix Art PAW3311
- DPI settings: 800, 1200 (default), 1600, 2400, 5000, 12000, 24000
- Light: None (N/A)
- Switch lifetime: HUANO > 20 million cycles (L/R)
- Polling rate: 125/250/500/1000(default)Hz
- Interface: USB-C
- Working distance (wireless): up to 60 m
- Battery: 300 mAh (built-in)
- Charging: USB-C, 1–2 hours
- Operating current: ~4 mA
- Operating time: ~60 hours
- Standby time: ~250 days
- Size: 119 × 40 × 62 mm
- Weight: 54.3 g ± 3 g
- Cable: Type-C 1.5M paracord cable
- System requirement: Window 2000/7/8/10/11/ME/XP/VISTA/MAC

### 3.1 NearLink Technology for Stable Connectivity

- Radioshack delivers outstanding wireless performance with integrated NearLink Starlight connectivity. The mouse combines stable wireless performance with lag free operation and ultra-low input latency.
- Power efficiency and signal quality claims:
  - o 66.7% lower power consumption
  - o 4x stronger signal quality
  - o 200% longer usage time
  - o 60 meters of stable working distance

### 3.2 Ultra-Fast Return Rate Support

- High-precision gaming mouse with up to 1000 Hz polling rate, dramatically reducing input delay and delivering a responsive gaming experience.

### **3.3 Ultra-Precise Sensor: PAW3311**

- Premium PAW3311 gaming-grade sensor for exceptional precision and accuracy.
- Maximum DPI: 24,000
- Maximum speed: 300 IPS
- Maximum acceleration: 35 g
- This sensor is widely regarded as a top choice in high-end gaming mice.

### **3.4 Lightweight, Ambidextrous Ergonomic Design**

- Ergonomic shape suitable for both hands, providing a comfortable grip.
- Lightweight at  $54.3 \pm 3$  g.
- Dimensions: 119 × 40 × 62 mm, optimized for mid-sized and smaller hands.

### **3.5 Smooth and Durable Clicks with HUANO Switches**

- Left and right switches use high-quality HUANO switches for a smooth, responsive click with satisfying tactile feedback.
- Durability rated at over 20 million clicks.

### **3.6 Versatile Three-Mode Connectivity**

- Three connectivity options: NearLink, Bluetooth, and wired USB.
- Flexible connectivity to suit different setups and preferences, ideal for gamers.

### **3.7 Software Support**

- Includes customizable macro functionality for buttons, offering a flexible, professional-grade gaming experience.

## 4. Quick Start Guide

### 4.1 Button function:



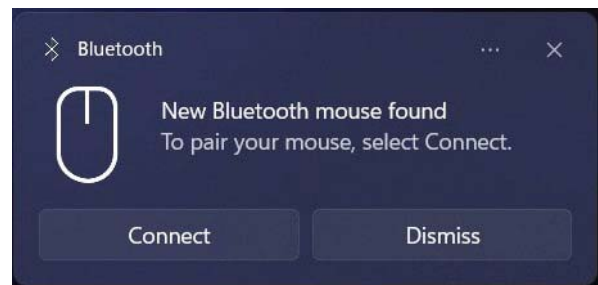
## 4.2 Three-Mode Connectivity

- Nearlink Wired USB: Use the included USB-C cable. Switch the bottom switch to the “USB” position, then plug into your computer.
- NearLink Wireless: Switch the bottom switch to the “NearLink” (SLE) position. Plug in the wireless receiver to your computer.
- Bluetooth: Switch the bottom switch to the “BT” position. Long-press the DPI button (>3 seconds) to enter pairing mode (blue LED will flash). On your host device, enable Bluetooth and select the mouse from the list. Note: Nearlink software is not supported through Bluetooth.



## 4.3 Pairing and Connecting

- NearLink Wired: No pairing required; driverless operation with standard USB HID.
- NearLink Wireless: Insert the USB receiver, ensure mouse is in NearLink mode, and follow on-screen prompts if needed.
- Bluetooth: Ensure Bluetooth is enabled on the host, select “RS2604806” from available devices, and complete pairing.



## 4.4 Charging and Battery Management

- When charging, the red LED indicator is on.
- When charging completes, the green LED will breathe.
- If battery voltage drops below 3.4 V, the red LED will flash to indicate charging is needed.
- If voltage drops below 3.2 V, the mouse will auto-shutoff to conserve battery.

## 5. Sleep mode and Power Management

- Shallow sleep: If there is no mouse action for 2 seconds, the mouse enters shallow sleep. Press any key or move the mouse to wake up (the wake-up action preserves the key state without issuing a new key code).
- Deep sleep: If there is no mouse action for 3 minutes, the mouse enters deep sleep. Press any key to wake up (wake-up occurs without issuing a key code).

## **6. DPI light indicator description**

### **6.1 Charging indicator lamp and low battery alarm**

- While charging: the red light is on.
- When charging is complete: the green light breathes (fades in and out).

### **6.2 Polling rate indicator light**

- First level: one flash
- Second level: two flashes
- Subsequent levels: continue pattern (n flashes for level n)

### **6.3 Low voltage/battery alarm**

- When battery voltage drops below 3.4 V: the red indicator flashes once everysecond to prompt charging.
- When voltage drops below 3.2 V: the mouse will automatically power off.

## **7. Safety Guide**

- Do not disassemble or modify the product.
- Disassembly or attempting repairs may cause damage and void the warranty.
- Avoid directing infrared or laser beams at eyes or reflective surfaces.
- Do not immerse the product in liquids or expose it to hot or humid conditions.
- If the product is exposed to temperatures outside the specified range, disconnect power until it stabilizes within the operating range.
- Use this product with certified ITE computers and accessories.
- Not suitable for children under 14 years old.
- Prolonged use of repetitive actions may cause nerve or muscle damage. If you experience pain, numbness, weakness, swelling, burning, cramps, or stiffness, consult a healthcare professional.
- Under normal conditions, this product poses no safety hazards.
- Unauthorized modifications will void the equipment warranty.

## 8. Troubleshooting Guide

| Symptom                           | Probable Cause                                       | Troubleshooting / Remedy                                                                                                                                                           |
|-----------------------------------|------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Device won't power on             | Battery depleted; power switch off                   | <ul style="list-style-type: none"> <li>- Verify power switch is ON</li> <li>- Charge battery with the supplied cable</li> <li>- Check for visible damage</li> </ul>                |
| 2.4G receiver not recognized      | Missing driver; USB port issues; receiver not seated | <ul style="list-style-type: none"> <li>- Re-seat receiver</li> <li>- Try a different USB port (prefer USB 2.0/2.4G support)</li> <li>- Update OS/driver if needed</li> </ul>       |
| DPI not changing                  | DPI cycle not registering; sensor issue              | <ul style="list-style-type: none"> <li>- Press D DPI button to cycle; verify cursor speed matches setting</li> <li>- Turn off and On the ,mouse to reset it.</li> </ul>            |
| Cursor skips or stalls            | Dirty sensor or surface; battery low                 | <ul style="list-style-type: none"> <li>- Clean optical sensor area; recharge or replace battery</li> <li>- Use a clean, flat surface</li> </ul>                                    |
| Buttons not registering           | Debris under buttons                                 | <ul style="list-style-type: none"> <li>- Clean around button edges; check for obstruction</li> </ul>                                                                               |
| Indicator LEDs not lighting       | LED fault; power issue                               | <ul style="list-style-type: none"> <li>- Check power supply and charge the battery; inspect connections</li> </ul>                                                                 |
| Connectivity intermittently drops | Interference; range limit; driver issues             | <ul style="list-style-type: none"> <li>- Move closer to host or away from interference sources (microwave ovens, routers)</li> <li>- Re-pair and ensure drivers updated</li> </ul> |

## 9. Wireless software Installation and usage instructions.

Download the Software from this Link:

[https://drive.google.com/file/d/1ACC02tg65Q3h-pM3YQOesYTD\\_1DGNNQH/view?usp=drive\\_link](https://drive.google.com/file/d/1ACC02tg65Q3h-pM3YQOesYTD_1DGNNQH/view?usp=drive_link)

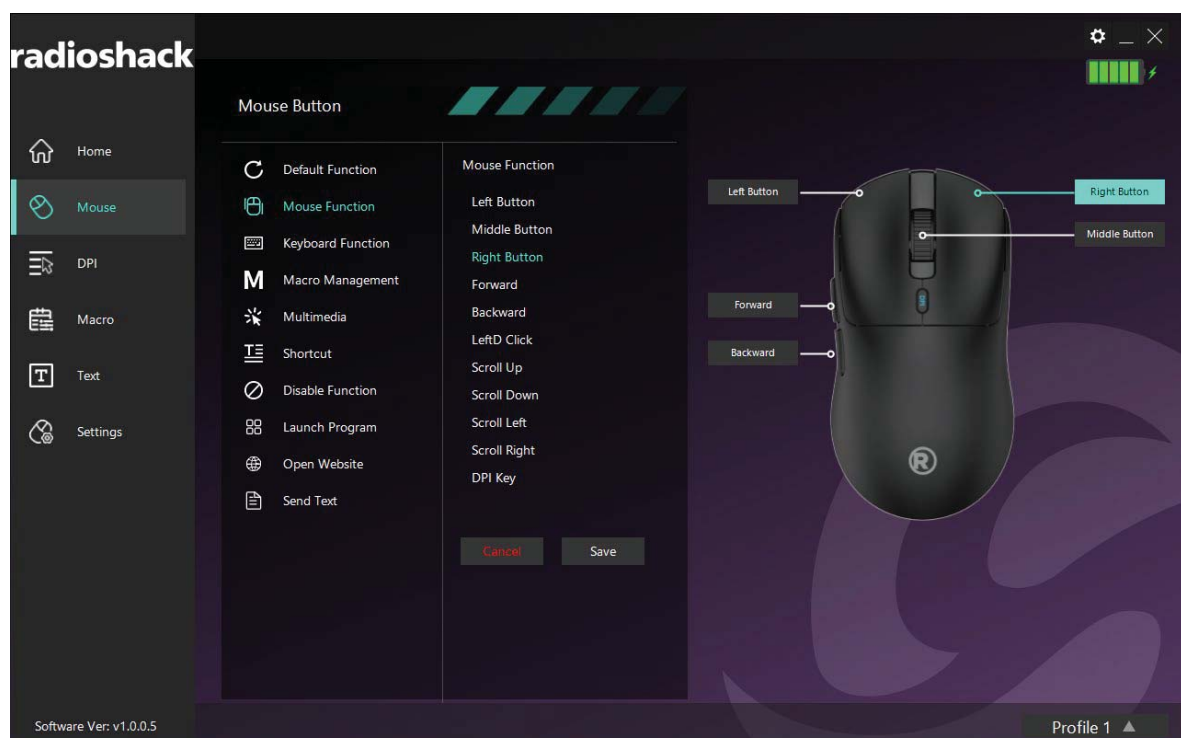
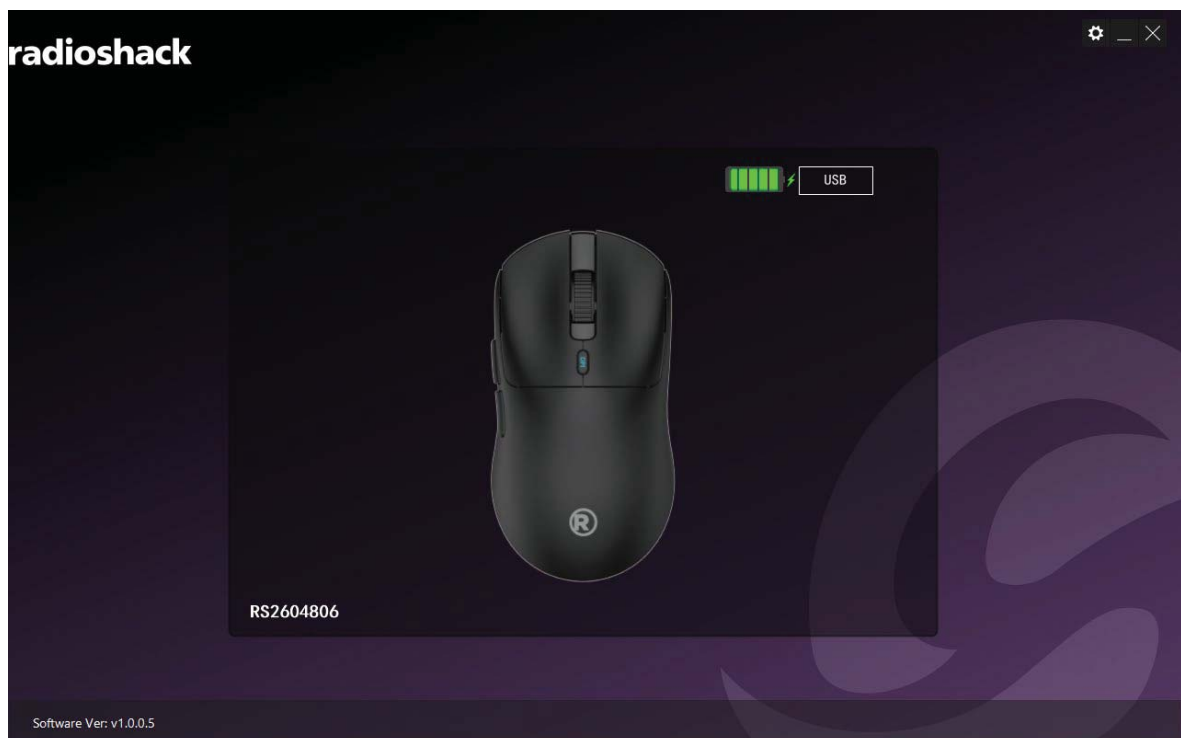
This software supports near-link Dongle mode and NearLink wired mode connections.

NOTE: NearLink is not supported through Bluetooth.

Unzip and click in Exe file “**RS2604806 of NearLink Mouse Driver-1.0.0.6**” select the language installation and follow the installation instructions.

### 9.1 Set up the page

This software has two pages, the main page and the Settings page; to enter the software, click the mouse picture in the middle to enter the mouse Settings page. The overall schematic diagram of the two pages is as follows (the details are shown in the following chapters):

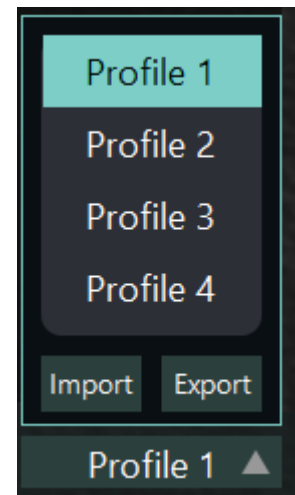


## 9.2 Profile mode configuration

In a profile-mode configuration item, once the user has set all parameters, the configured values are automatically saved in the PC background.

However, the mouse button settings require pressing the "Save" button to apply them. If the user wants to reuse this profile later, they only need to switch back to the profile item without re-entering the settings.

The profile-mode configuration button is located at the bottom-right corner of the Settings screen.

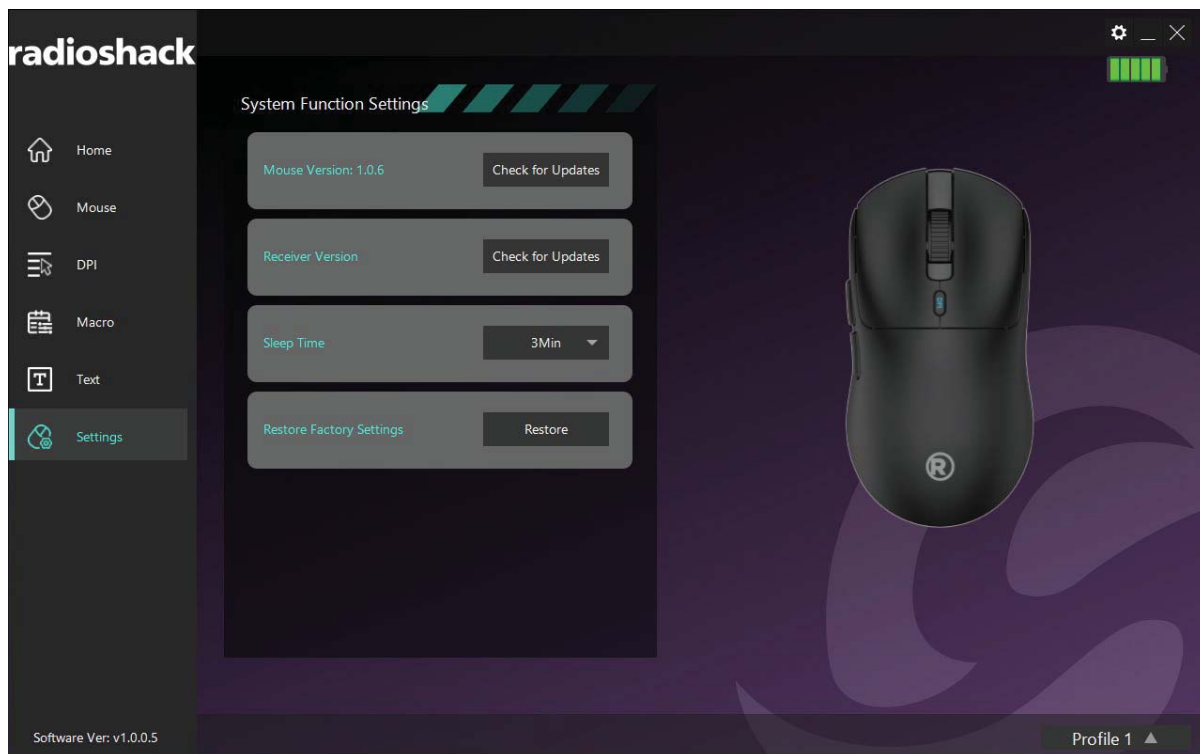


## 9.3 Language selection

- To accommodate users from different regions, this software offers two language options, English and Spanish. Select your language during installation. After installation, you can change the language at any time by clicking the settings (gear) icon in the top-right corner.

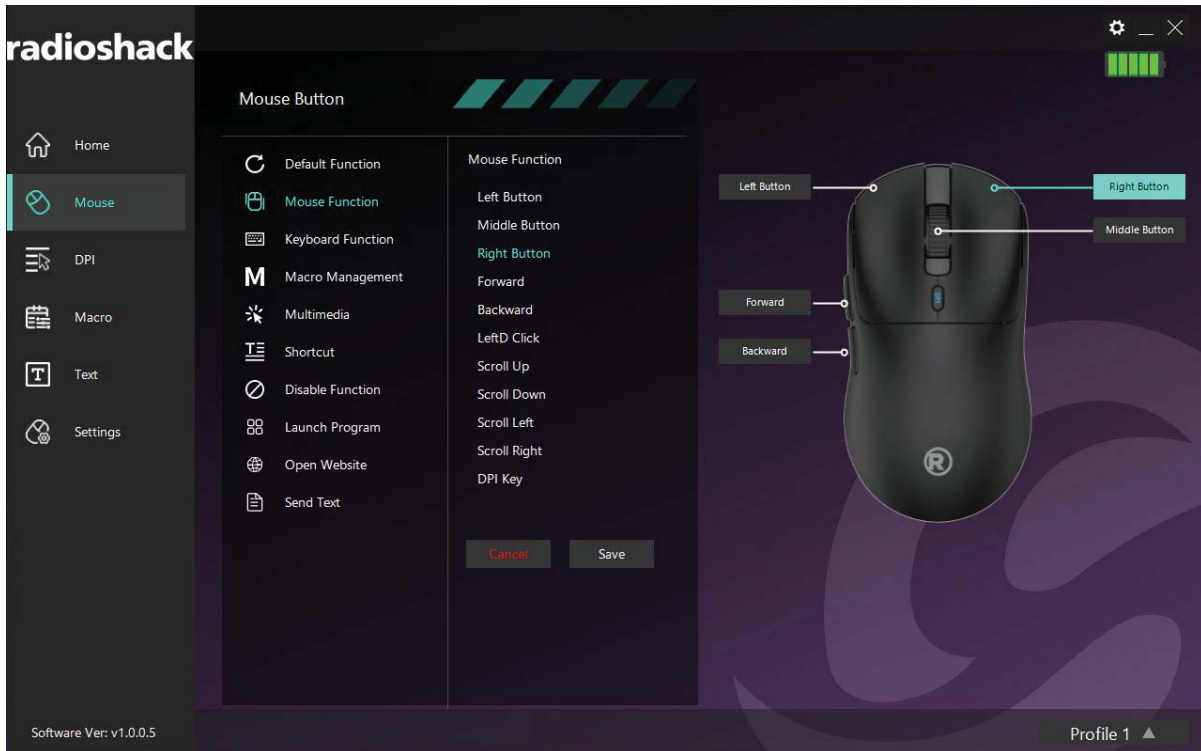
## 10. Basic Settings

The basic Settings consist of five parts: Home, Mouse, DPI, Macro, Text, and settings, as shown in the figure below.

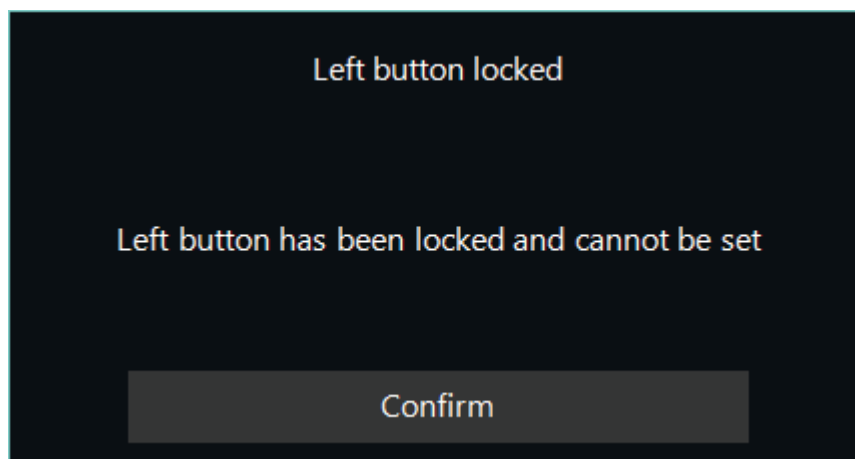


## 10.1 Mouse button settings

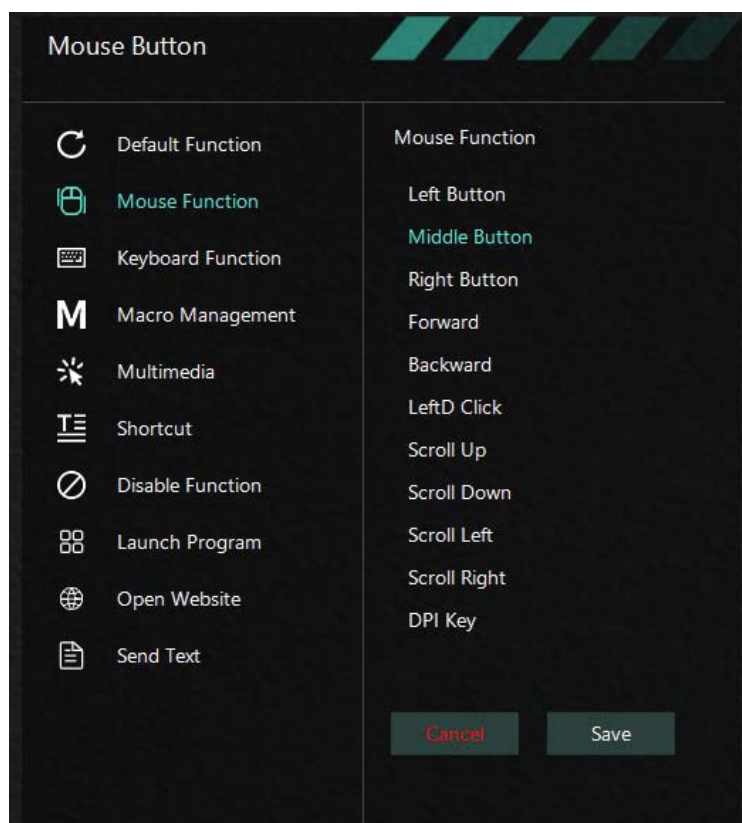
Users can customize each button according to their usage habits. The software provides multiple types of button options, and users can click the corresponding option in the first or second pop-up menu.



This software provides left button protection. When the mouse button selection box contains only the 'left button' function, changing its function will result in a blank box appearing, as shown in the figure below. The left button is a crucial control key in the operating system. Without the left button function, users will face difficulties in operating the system. (Note: 'single click button' refers to 'left button')

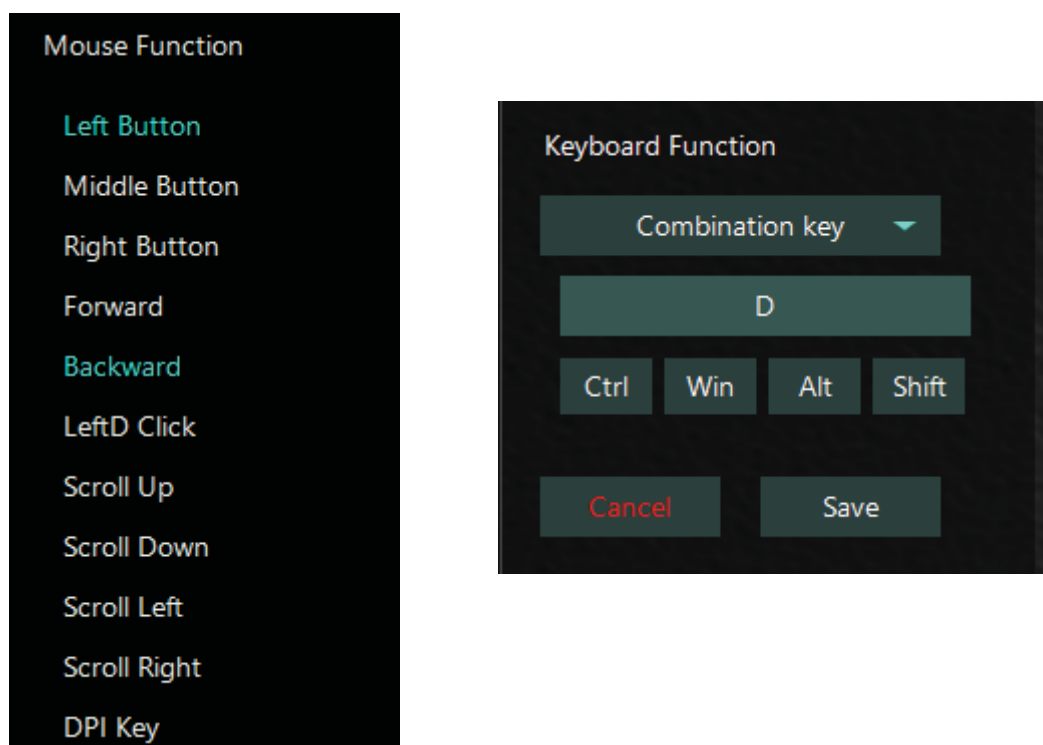


Click any button selection box to select the corresponding function. The function will appear in the key function selection menu on the left, as shown in the following figure. Users can select the required function in the menu (see the following chapters for details).



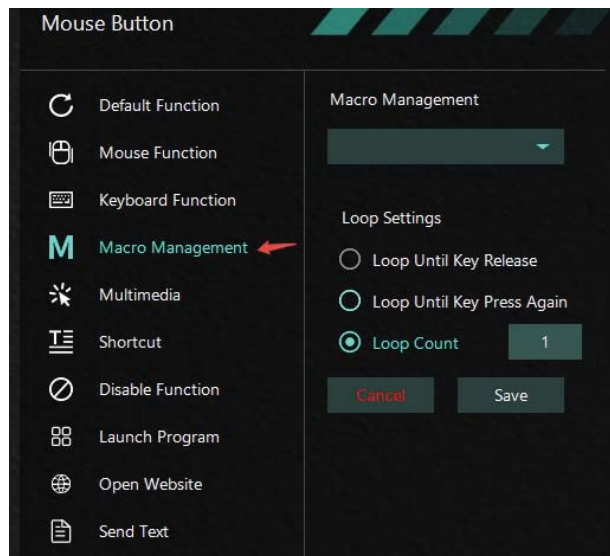
### 10.1.1 Mouse function keys and keyboard function keys

Define a normal button on the mouse as another button.



## 10.1.2 Macro Management

Bind a defined macro to a key. Note: you must first program the Macro routine in Macro Editor. (see 10.3 Macro Editor section)

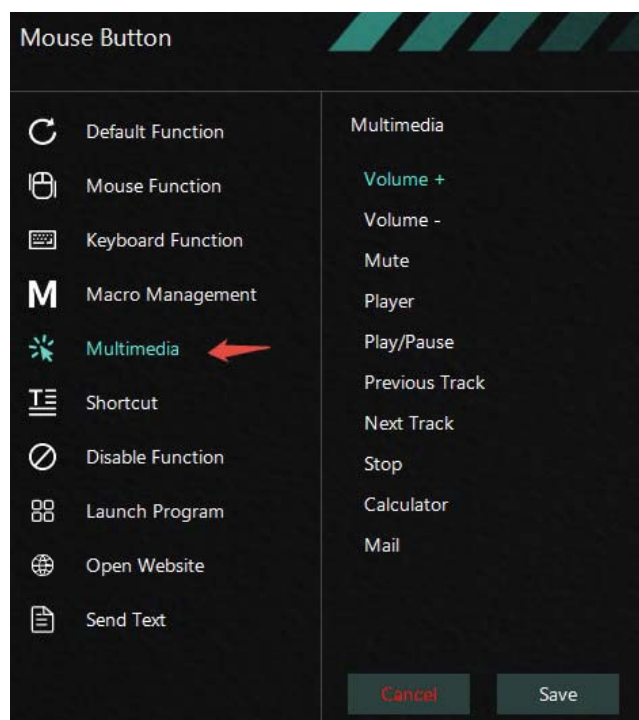


Macro Management have three modes of transmission to choose from:

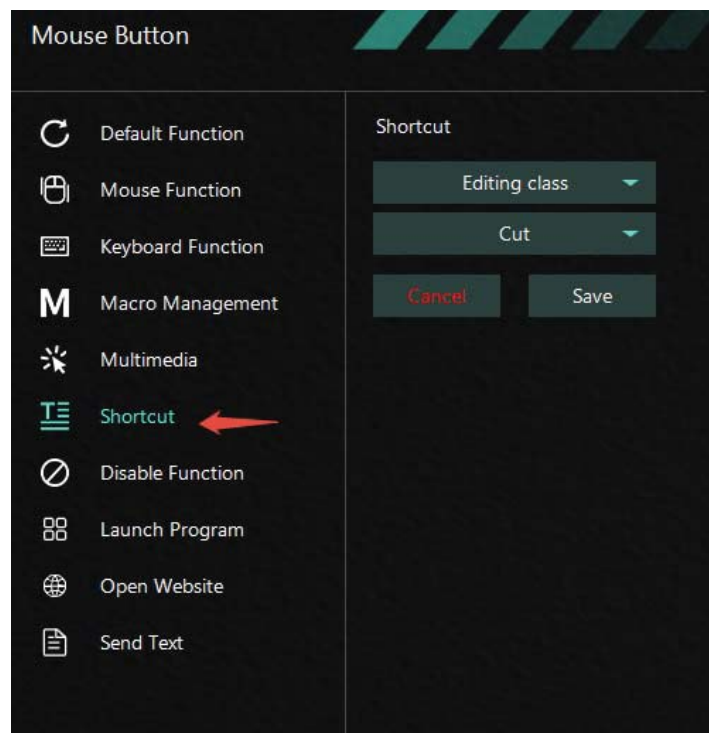
1. Hold the loop to send and release to stop sending.
2. Loop until you press any key to stop sending.
3. Send according to the number of cycles specified by macro or stop sending by pressing any key.

## 10.1.3 Multimedia keys

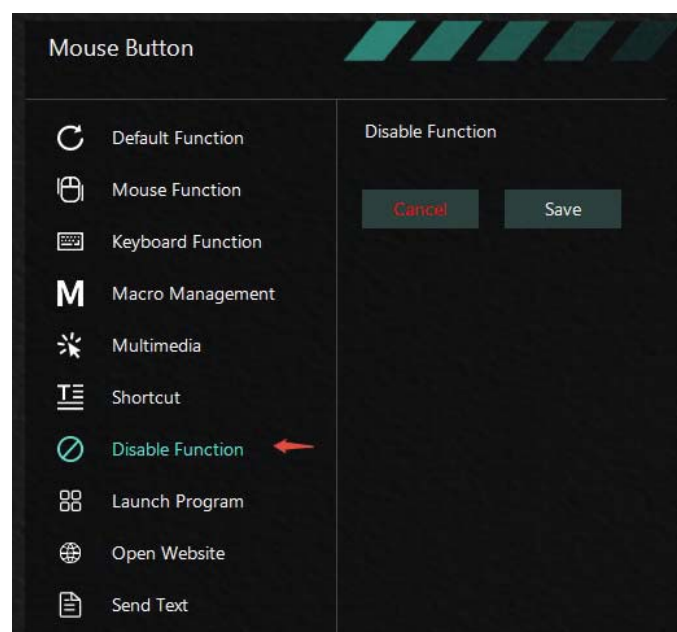
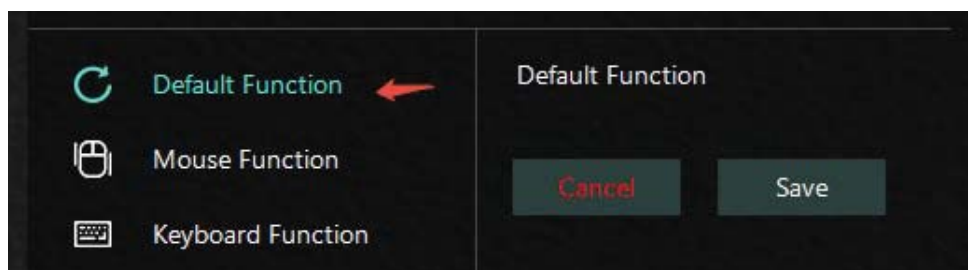
Define multimedia functions on a button.



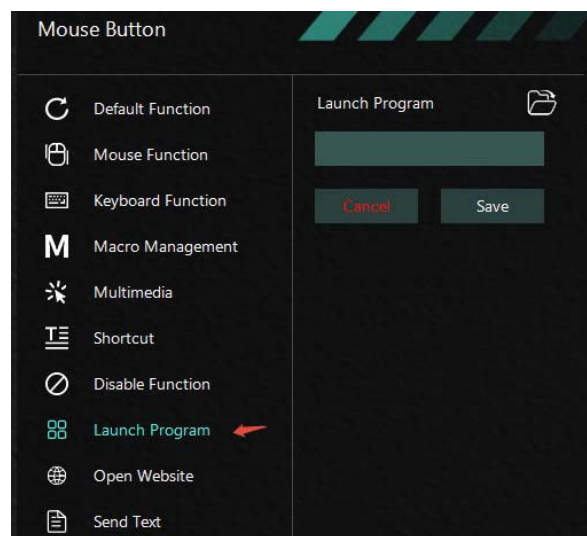
### 10.1.4 Shortcut keys



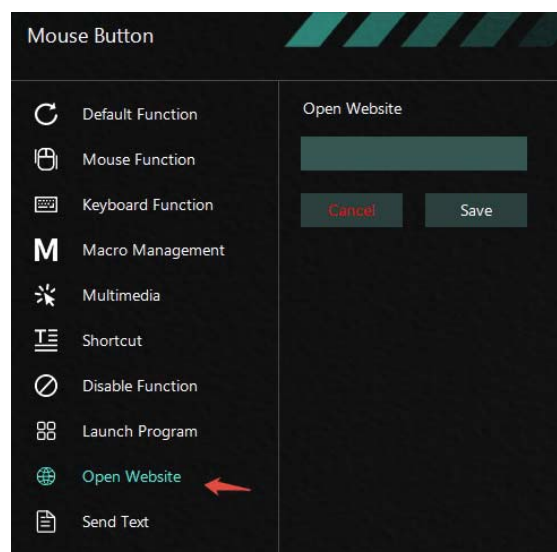
### 10.1.5 Default and disable function keys



## 10.1.6 Launch program

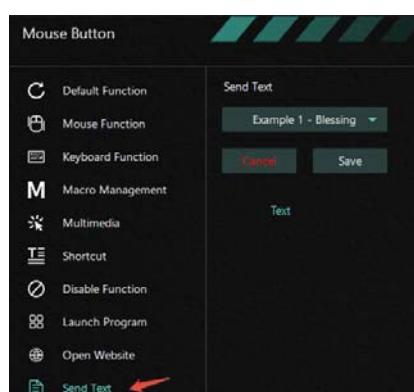


## 10.1.7 Open website



## 10.1.8 Send text

The text is bound to a key and when you click this mouse button, the text is automatically sent.

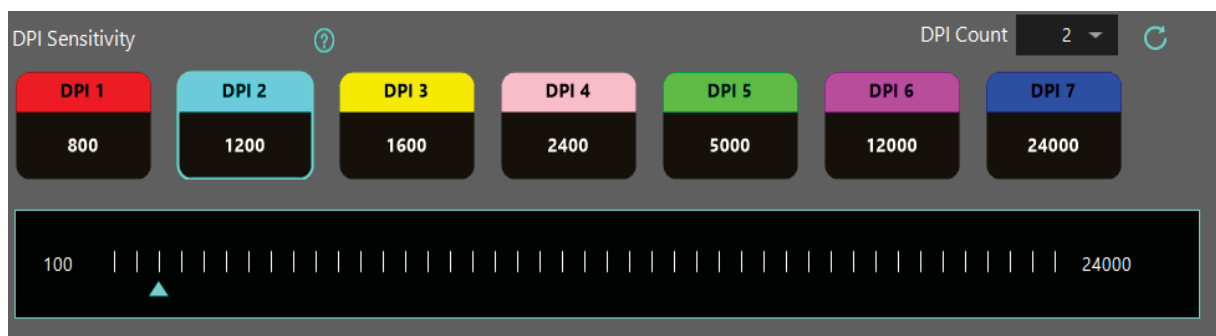


## 10.2 DPI settings

Mouse DPI and return rate Settings.

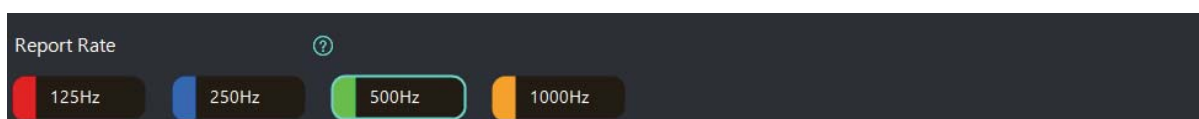
### 10.2.1 Pointer settings

Supports 7 DPI adjustment, each range can be adjusted from (50~24000), and the step unit is: 50DPI.



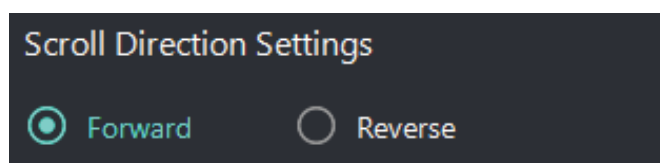
### 10.2.2 Report rate settings

Supports four return rate Settings of 125HZ, 250HZ, 500HZ and 1000HZ.



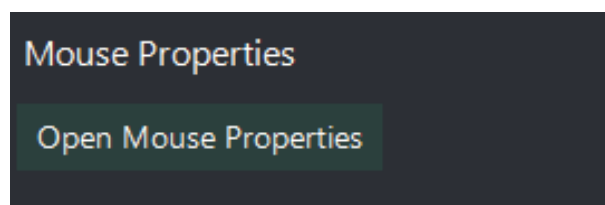
### 10.2.3 Scroll direction settings

Supports the setting of the roller in both forward and backward directions.

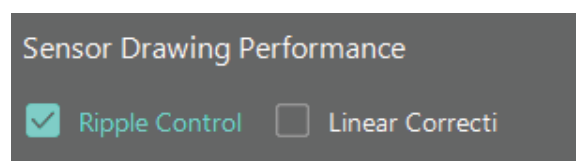


### 10.2.4 Mouse properties settings

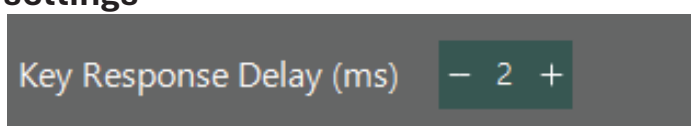
The mouse attribute parameter is a set of system variables that Windows comes with and can also be set through the control panel.



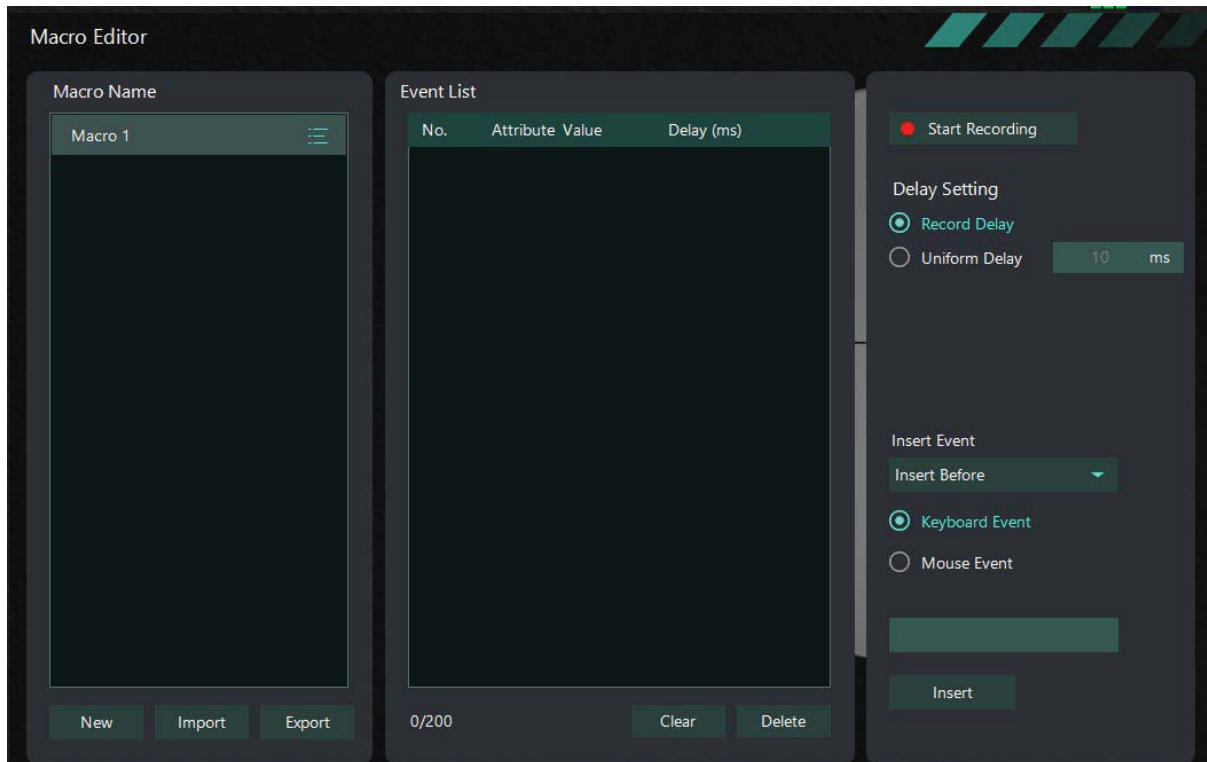
### 10.2.5 Sensor drawing performance settings



### 10.2.6 Key response delay settings



## 10.3 Macro Editor



1. First click "new" to create a new macro Macro1 in the box on the left. Double-click "macro-1" to change the name of the macro; click the icon on the right of the new macro to copy or delete the macro.

2. Click "Start Recording" to start recording the macro action. The example is as follows:

| Event List |           |       |            |
|------------|-----------|-------|------------|
| No.        | Attribute | Value | Delay (ms) |
| 0          | ↓         | 1     | 110        |
| 1          | ↑         | 1     | 2859       |
| 2          | ↓         | 2     | 141        |
| 3          | ↑         | 2     | 515        |
| 4          | ↓         | 3     | 110        |
| 5          | ↑         | 3     | 10         |

↓1 indicates that pressing 1 is one action, and ↑1 indicates that releasing 1 is one action (up to 200 actions are supported). After input, click "stop recording" to stop recording, and the software will automatically save the macro data.

3. Click "import" to load the saved macro action.

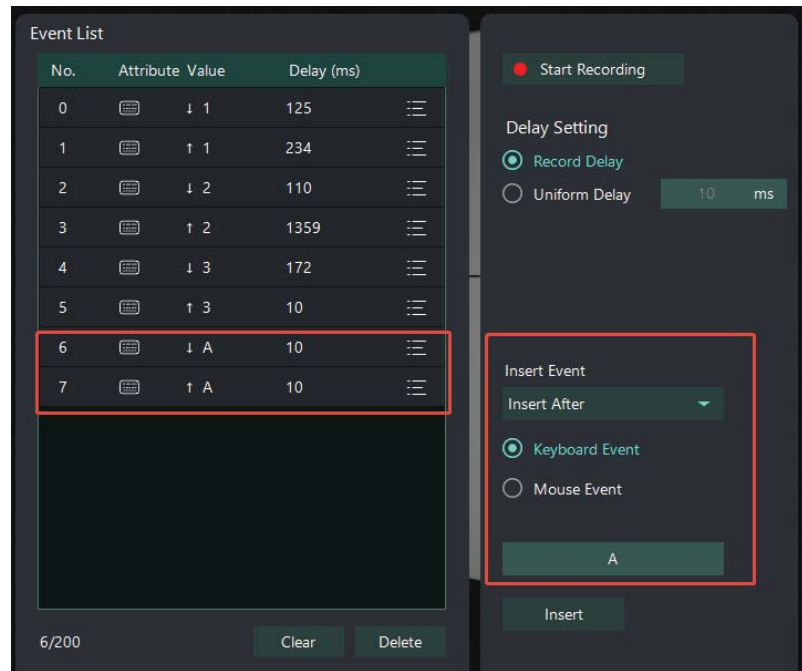
4. Click "export" to save the current macro action.

5. Click "clear" to clear all recorded macros.

6. Click "delete" to delete the currently selected macro action.

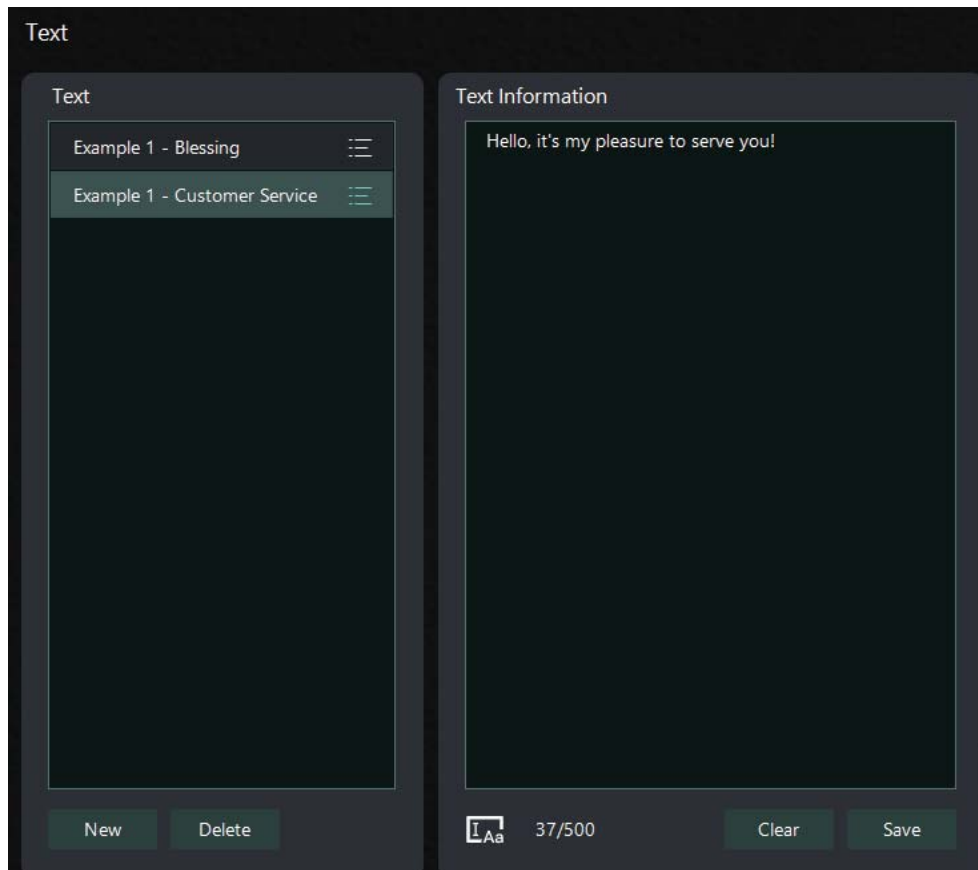
7. If you need to record real-time delay, please check "record delay", the software will record the input time delay in real time. If you need to record a specific delay, please set the time and check "uniform delay", the software will record the set time delay.

8. The defined macro can also be double-clicked to modify the current delay and insert new macro actions.



9. For macro usage, please refer to section Maco Management 10.1.2.

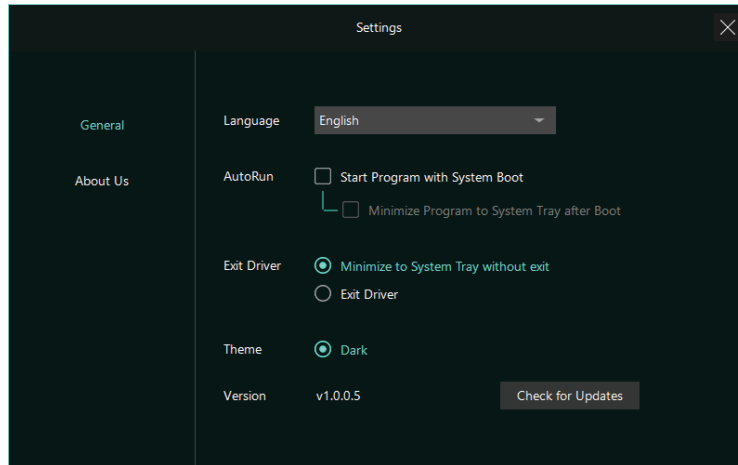
## 10.4 Text Settings



1. First click "new" to create a new text, double-click the new text can modify the name of the text; click "delete" to delete the corresponding text.
2. Click any text in the text box, the corresponding content will appear in the text information box, users can define it by themselves; click "clear" to clear all the text content; click "save" to save all the text content.
3. For text usage, please refer to section 10.1.8.

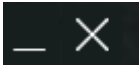
## 11. Drive Settings

Click the button  in the upper right corner of the drive interface (UI) to display the drive Settings interface, as shown in the following figure.



## 12. Drive on/off management

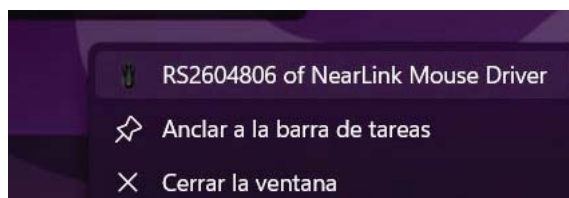
### 12.1 UI control management

There are two controls  in the upper right corner of the software interface (UI). The minimize button is on the left and the close window button is on the right. Click the minimize button to hide the UI interface without exiting the taskbar icon; click the close window button to hide the UI interface, disappear the taskbar icon, and put the software into the tray.

### 12.2 Pallet control

After the software is opened, there is a **RS2604806 of Nearlink Mouse Drive** icon (icon) in the tray, which is the same as the desktop shortcut icon. When the UI interface is in the hidden state, double-click the **RS2604806 of Nearlink Mouse Drive** icon in the tray to maximize the UI interface.

When you right-click the **RS2604806 of Nearlink Mouse Drive** icon in the tray, a personalized menu will pop up, as shown in the figure below. Select the 'Exit Driver' option to close the software interface, the taskbar icon, and the tray icon, and stop the software. When the software interface is hidden, select the 'Configure' option to maximize the UI display.



## 13 FCC Compliance:

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- 1) This device may not cause harmful interference, and
- 2) This device must accept any interference received, including interference that may cause undesired operation.

- **15.21 Information to the user:**

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

- **15.105 Information to the user:**

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in residential installations. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

### **FCC RF Exposure Warning Statement:**

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment can be used in portable exposure conditions