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# Hoverstop ErgoLogic Mouse

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## USER MANUAL

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**Hoverstop**  
active ergonomic mouse



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### Important Ergonomic Information

Some experts believe that using any mouse or trackball may cause serious injury to hands, wrists, arms, neck, or back. If you feel pain, numbness, or weakness in these areas, see a qualified health professional.

#### To reduce the risk of injury, follow these precautions:

- Take frequent breaks, get up and walk around several times every hour.
- Vary your tasks throughout the day.
- Keep your shoulders relaxed with your elbows at your side. Position your keyboard and mouse so you do not have to reach and make sure your arms are supported.
- Adjust your chair and keyboard so your upper arms and wrists are straight.
- Avoid resting your wrists on sharp edges.

#### About the Hoverstop Ergonomic system:

The Hoverstop system is designed to reduce the amount of static muscle load during computer work. If the instructions are followed up correctly, a reduction in static work load may be expected, with possible benefits such as less fatigue, more comfort and possibly a reduction of (the risk of) computer related health problems. However, the system may not work in the same way for each individual.

### Some instructions and tips for better use of the Hoverstop mouse:

- Please read the instructions carefully and follow them during use.
- If the feedback function reminds you to remove your hand, take your hand off the mouse completely and rest your hand on the table in front of you. If necessary, create space on your desk by pushing the keyboard forward.
- Do not hover your hand above the mouse. This increases the static muscle tension and may cause (an increase in) complaints.
- Do not 'extend' your hand back while resting your wrist or forearm on the table. This may increase the risk of computer related health problems or may increase existing complaints.

#### Disclaimer:

Using the Hoverstop mouse does not in any way release the user from the responsibility of taking other measures to avoid getting computer related health problems. Use the mouse sparingly, take sufficient breaks, use the keyboard when possible, vary your tasks, and avoid using a mouse for long times continuously. Do exercises frequently and relax your muscles when you experience problems or at least several times per hour. In any case of doubt if you should be using a Hoverstop mouse or not, please consult a qualified physician.

#### Important Note:

If you feel you are getting complaints from using the Hoverstop mouse, or that existing complaints have increased, see a qualified health professional. If necessary, stop using the Hoverstop mouse or at least disable the vibration and/or visual feedback function (see instructions on how to do this).

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### General specifications

- High-tech real 850nm LASER mouse
- 400/800 dpi hardware switching resolution
- 6+1 buttons design
- Programmable buttons with smart-functions
- Multimedia/ Office/ Web functions buttons design.
- Ergonomic design for comfortable grip
- Compatible with USB 1.1 and 2.0 low-speed protocol and PS2
- CE, FCC & eye-Safety certificate

### System Requirements

- 3rd button and wheel function require 2000/ME/NT/XP.
- 5th button require Win2000/XP to function, or will require installing an additional driver which can be downloaded from [www.hoverstop.com/support](http://www.hoverstop.com/support) (Windows only)
- 6th button requires installing an additional driver which can be downloaded from [www.hoverstop.com/support](http://www.hoverstop.com/support).
- Mouse is compatible with standard Microsoft (HID) mode
- The mouse will work on a Apple MAC computer, however, with standard functions only. None of the drivers or other connected software will work on a MAC system.

### Before you begin

Keep this installation guide for future reference! It contains Important Troubleshooting Information. For more elaborate Troubleshooting information, please visit [www.hoverstop.com/support](http://www.hoverstop.com/support).

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## Getting Started

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**Congratulations on your purchase of 400/800 dpi 6+1 buttons Hoverstop Ergologic LASER Mouse. LASER mouse is the last technique of the mouse industry. The most important feature for a LASER mouse is it can work on nearly all kinds of surface and color, even on glass and wood. Another feature is the high resolution.**

### Package Contains

Your Hoverstop ErgoLogic Laser Mouse package includes the following:

- Hoverstop ErgoLogic LASER mouse
- PS2 Adapter for connection to PS2 port
- User manual (this document)
- Quick manual with user instructions

*Note: If any part is missing, please contact your dealer for a replacement immediately.*

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## Hardware Installation Guide

### Step 1. Plug the USB plug to Computer

USB is Plug and Play; you can plug or unplug the device no matter if the computer is on or off. You can plug the mouse into a PS2 port by using the supplied PS2 adapter. However, this usually requires restarting your computer with the mouse plugged in before the mouse will work properly.

### Step 2. Waiting for software install

If your system is Windows ME/2000/XP/Vista, Windows will detect a new device and install the standard driver automatically. With the Hoverstop mouse, several USB 'devices' will be installed by Windows. This may take a minute or more for each 'device'. If the system does not complete the installation of all 'devices', replug the mouse in the same USB port. Alternatively, you can try another available USB port. If you still experience problems, try restarting the computer with the mouse already plugged in.

The standard software only support standard mouse functions (2 buttons and scroll wheel) and will not support the other buttons of the mouse.

The Hoverstop functions do not require a driver or any other software for normal operation. However, if you would like to use the advance features of the Hoverstop mouse, you will need to install a software program that can be downloaded from the Hoverstop website, [www.hoverstop.com/support](http://www.hoverstop.com/support). (Windows only)

After a full and successful install, the mouse buttons 1 & 2, scroll wheel and scroll wheel button should work properly. Moreover, the LED on the mouse should light up when a hand is placed on the mouse. If the hand is left there for more than 12 seconds without clicking, scrolling or moving the mouse, the mouse should vibrate. If any of these things do not occur, try one or more of the following:

- installing the mouse into another (USB) port,
- restarting your computer or
- try the mouse on another computer to verify it's proper function.

*If the problem still cannot be solved, contact your vendor or write to [info@hoverstop.com](mailto:info@hoverstop.com) explaining your situation (OS, type of computer) and the problems you experience.*

The round button just in front of the scroll wheel is the DPI button. You may click the dpi switch to change the dpi from 400 to 800 and back. This will make the cursor speed slower or faster.

## Software Installation Guide

Note: No software or driver is needed for normal operation of the mouse! The software gives you some special features such as programming mouse button functions, setting of Hoverstop parameters and the use of 5th and 6th mouse button.

### Installing the Software

1. Download the software from [www.hoverstop.com/support](http://www.hoverstop.com/support) and follow install instructions on the screen.
2. The setup program will guide you to finish the installation step by step.
3. After finishing the process, select "Restart" to reboot your system and activate multimedia hot keys and wheel scrolling functions.

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## The Hoverstop functions

### Normal mouse functions:

Your Hoverstop mouse functions just like any other mouse. It has the normal Left and Right mouse button, a scroll wheel, a 3rd button under the scroll wheel, the 4th and 5th button on the left side of the mouse (will work under WXP/2000/Vista as resp. Back and Forward buttons) and a 6th button on the right side of the mouse (programmable with the optional driver).

On top of the mouse in front of the scroll wheel is a round 7th button which has a dual function: pressing it briefly will toggle between 400 and 800 DPI laser sensor resolution. This allows you to make the cursor move faster over the screen with smaller hand movements (800 DPI) or to set it slower for more accurate work (400 DPI). Pressing it for more than 5 seconds will allow you to change the Hoverstop function parameters (settings).

### Hoverstop

The Hoverstop system is designed to warn you when you have your hand on or just over the mouse without actually using it. In this situation you still have considerable muscle tension, which adds to the tension you have during active mouse use and thus contributes to the risk of getting computer related health problems.

The mouse is equipped with a sensor that can detect the proximity (presence) of a hand on or just over the mouse, even without touching it. If the presence of the hand is detected and no mouse input is generated (click/scroll), a warning timer will start to run inside the mouse. If the timer surpasses the preset threshold (default 12 seconds), a feedback signal is generated to remind you to take your hand from the mouse and relax.

### Feedback signals:

There are two types of feedback signal: tactile (vibration) and visual (LED). The user can either use both (default), or only the LED (vibration OFF). The visual feedback can be turned off using the optional software program.

Any time the mouse is clicked or scrolled, the warning timer will be reset to zero. During active use the mouse will never vibrate, only when the preset amount of "passive use" occurs. Moving the mouse will in itself not reset the timer. However, if you move the mouse cursor on the screen, the amount of time before the mouse vibrates is prolonged, to allow you to navigate menus where no click or scroll is needed to navigate. When the maximum amount of extra time (default: 12 seconds) due to cursor movement has been "used up", the mouse will vibrate, even if the cursor is still being moved around.

Shortly before the vibration feedback signal will occur (default: 2 seconds), the LED under the scroll wheel and/or DPI button will slowly blink, as an indication the vibration will soon take place. This allows you to take your hand off the mouse before the vibration.

## What to do when the (vibration) feedback occurs?

When receiving a feedback warning, take your hand from the mouse completely and put your hand on the table in front of you, in a relaxed position. If necessary, push your keyboard forward on the table to create space for your hand. Whenever you need to use the mouse again, just pick it up and resume work. Research has shown this process does not slow you down or reduce your productivity.

If you were ready to click or scroll right at the time the vibration occurs, go ahead and click or scroll and the vibration will stop immediately, allowing you to continue to work productively. Moving the mouse will not stop the vibration. If you leave your hand on the mouse during the full period of vibration (default: 4 seconds), the vibration will stop and not occur again for at least 1 minute.

You could of course choose to click or scroll every time the mouse reminds you, thus ignoring the feedback. Or, you could just lift your hand briefly and put it back straight away. The vibration will stop in either of those cases. However, this will not reduce the amount of time you have static muscle tension and thus will not give you the benefit of relaxation. Moreover, it will increase the number of times the mouse generates the vibration warning signal significantly.

## Compliance

The Hoverstop mouse has been equipped with a “compliance warning system”. If you stop the vibration often by clicking, scrolling or just lifting your hand briefly and replacing it, the mouse will remember this. If this occurs over a certain percentage of all the times the mouse vibrates, the LED color will change from Green to Orange or even to Red. This tells you that you are not using the Hoverstop mouse as it was intended to be used and you should probably take your hand from the mouse more often. If the LED color is Orange or Red most of the time, you are ignoring the Hoverstop features. No possible benefits from using the Hoverstop mouse can be expected. In that case it is recommended you seek advice about your mouse use from a qualified ergonomist or health official, such as a physician. The compliance warning system is reset every time the power to the mouse has been interrupted or after more than 8 hours of inactivity.

## Hoverstop Settings

The standard (default) settings for the Hoverstop functions are as follows:

Vibration function	: ON
Time before the vibration occurs	: 12 seconds
Visual feedback system (LED)	: ON
Time before the visual feedback occurs	: 12 seconds
Pre-Warning blinking LED	: ON, 2 seconds
Time added with cursor movement	: ON, set to 12 seconds maximum
Maximum duration of the vibration cycle	: 4 seconds

You can alter the Hoverstop settings without the need of a driver or software program by pressing (combinations of) mouse buttons. There is a small program available at no charge at [www.hoverstop.com/support](http://www.hoverstop.com/support) that allows you to alter the settings more conveniently.

## Altering Hoverstop settings using mouse buttons:

*(all new settings will be confirmed by a short burst of vibration)*

- Disable/Enable vibration function: press and hold Left and Right button for more than 5 seconds.
- Change the time the mouse vibrates from 12 to 18 seconds (‘Regular’ to ‘Light’): Press and hold the scroll wheel button for more than 5 seconds. Press and hold again to return to the original value.
- Adding time for cursor movement: to turn this function ON/OFF, press and hold the Right mouse button and scroll wheel button together for over 5 seconds.

Performing one of the same actions above again will ‘toggle’ the mouse back to the original value.

## Using the Hoverstop button

Pressing and holding the DPI button just in front of the scroll wheel for more than 5 seconds will turn vibration OFF. Pressing and holding it again will turn vibration ON again. A short vibration will confirm each time ON or OFF becomes active.

## Restore default parameter values:

Pressing Left, Right and Scroll buttons and holding down for more than 10 seconds will restore the mouse to default parameter values. If you wish to reset the mouse to factory values (full reset), first restore parameters, then unplug/replug the mouse into the USB port.

## Troubleshooting

Problem	Cause	Solution
Installing: no cursor movement and /or response to click/scroll	Windows has not detected the mouse (yet). Try the following solutions in this order until the problem is solved.	1. Wait a few minutes 2. Replug the mouse 3. Use another USB port 4. Restart computer 5. Test the mouse in another PC
Installing: LED not on with hand on mouse	1. Error in calibration procedure 2. LED is disabled	Remove the hand for 10 seconds for automatic recalibration Enable LED with reset (see below) or software program
Regular use: No LED or vibration	1. Error in calibration procedure 2. USB connection not correct. Try the following solutions in this order until the problem is solved.	Remove the hand for 10 seconds for automatic recalibration 1. Replug the mouse 2. Use another USB port 3. Restart computer 4. Test the mouse in another PC
No function, incorrect function	Any	Factory values restore: First, press and hold both Left and Right mouse button and scroll wheel button for 10 seconds. Then unplug/replug the mouse into the USB port
Mouse buttons 4, 5 or 6 are not working (Windows only, on MAC only standard mouse buttons [1 & 2] and scroll wheel will work)	Operating system needs driver to activate these buttons: Before XP/2000: 4 & 5 need driver, button 6 not available XP/2000 or later: 4 & 5 should work, button 6 needs driver	Download and install driver <a href="http://www.hoverstop.com/support">www.hoverstop.com/support</a> (Windows only)

For more elaborate Troubleshooting information, please visit [www.hoverstop.com/support](http://www.hoverstop.com/support)