



## **Advice for a Good Start**

Scroll++ is a utility that enhances the functionality of your own mouse. To get the most out of it, it is advisable to take into account the following:

### **1. Use a high-quality mouse**

Since Scroll++ relies on mouse movements, the more precise your mouse is, the better Scroll++ will work. If your mouse does not faithfully reproduce the movements of your hand, Scroll++ cannot interpret you correctly.

### **2. Keep your mouse in a good condition**

For the same reasons explained above, it is important that your mouse be in a good condition. If you have a “ball” mouse (which is the most commonly used at present) try to keep the ball and mechanisms free from lint to avoid erratic operation.

### **3. Adjust the Sensitivity Parameters to your Style**

Take a few seconds to “play” with the mouse within the "Preferences" panel and adjust your parameters according to your style. Scroll++ includes a variety of parameters that you can adjust to get the exact response you expect from your mouse.

### **4. Handle your Mouse with care**

When you start using Scroll++, you must become aware that certain movements of the mouse now operate as commands. This requires you to move your mouse in a more definite manner, following straighter trajectories and avoiding random movements. Once you have incorporated Scroll++'s mouse movements to your customary operation, you will have added great functionality to your mouse and will realize how convenient it is to use the mouse for more than just pointing and clicking.

Finally and above all:

### **5. Open your Perception to a New Way of Working**

Scroll++ multiplies your ability to work with your mouse. However, since it implies learning a new way of operating Windows and its applications, for best results you should be alert and ready to identify points in your work routine that can be more conveniently and productively performed using Scroll++.

## Introduction

Congratulations. You have acquired one of the most easy-to-use and useful tools to improve your productivity in Windows.

Scroll++ is a utility that adds advanced scrolling capabilities to your mouse, through an exclusive patented method which uses simple mouse movements to control several operations. Scroll++ turns your own mouse into an advanced wheel mouse, but without using any wheels!

Scroll++ works with any kind of input device, including track-balls and touch-pads.

### Scrolling

## Scrolling



Scroll++ allows you to command scrolling from any cursor position, without using scrollbars.

Scroll++ includes patented algorithms that understand your scrolling commands just by watching your mouse-pointer's motion. The algorithms control the scrolling speed and direction taking into account mouse movements and the status of the scroll button, providing a smooth and intuitive operation.

To use this method, simply click and hold the scroll button (usually the right button) of your mouse and make a slight movement in the direction you want to scroll. Move the mouse slightly every time you want to change the scrolling direction

**Rule:** Scroll++ always sets the scrolling direction according to the *last* mouse movement.

Since there is always a scrolling direction selected, it can be set either before or after a scrolling operation starts. In other words, you can move the mouse to direct scrolling once you have started, or you can also set the direction *beforehand* (slightly moving the mouse) and *then* press the scroll button to start scrolling.

### Tips >> :

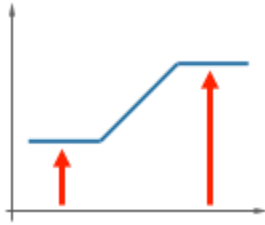
- If you tap the scroll button, you get the normal function assigned to that button (for example, opening a pop-up menu), so you don't lose the right button functionality. (See: Scroll Timeout).
- The Scroll++ scrolling method allows you to control scrolling from anywhere on the screen, the only requirement being that, the cursor must be located somewhere inside the region you wish to scroll when you press the scroll button
- If you press the scroll button while holding the 'Control' key, the scrolling is performed on a page basis, i.e. it is equivalent to pressing the scroll bars in the zones adjacent to the thumb box.
- To drag objects with your right mouse button, just press and hold the "Shift" key and then drag the selected object. The "Shift" key temporarily disables the scrolling feature, enabling you to drag objects with your right mouse button.
- You can set the direction sensitivity according to your style and the resolution of your mouse.

## Advanced Scrolling Features

Speed Range  
Speed Control  
Inertial Scrolling

**Note:** The scrolling feature is available in a large number of Windows applications. However, since the development of the Scroll++ scrolling method was after the definition of Windows 3.1 API, this feature may not be available in all applications. (Consult the information included with the program or contact Pointix Corporation to check in which applications this feature is available).

## Speed Range



Unlike standard scrollbars, with Scroll++ you can control the scrolling speed at which you browse your documents and web pages. It's internal scrolling generator has adjustable maximum and minimum speeds which you can set according to your style, the processor speed of your system, etc.

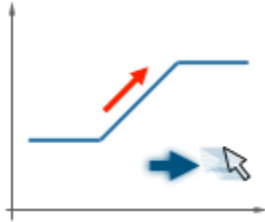
**Rule:** Scroll++ always starts scrolling at the minimum speed and accelerates up to the maximum speed (if enabled).

**Tip >> :** Set both parameters at the same level to get constant scrolling speed.

## Speed Control

Scroll++ includes an internal scrolling function generator that controls how the scrolling speed varies with time and mouse movement. This feature allows you to obtain different behaviors according to several parameters under your control.

### Mouse Control

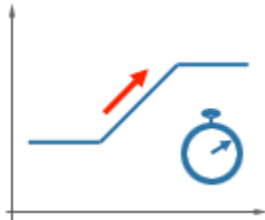


**Rule:** Once you started scrolling, the scrolling speed will increase if you move the mouse in the same direction as you are scrolling, and it will decrease if you move it in the opposite direction.

You can also invert the scrolling direction (180° turn) by moving the mouse further in the opposite direction.

**Tip >> :** You can control the sensitivity of scrolling speed vs. mouse movement.

### Timed Control



**Rule:** Once you started scrolling, the scrolling speed increases automatically at a pre-determined rate.

If you don't want to control the speed by yourself, let Scroll++ do it for you. The scrolling speed will increase smoothly while you keep the scroll button pressed.

**Tip >> :** You can control the rate at which the scrolling speed increases in time.

## Inertial Scrolling



Inertial Scrolling is another Scroll++'s exclusive feature that provides a very natural feel while scrolling documents. When Inertial Scrolling is enabled, Scroll++ simulates that the your computer's screen has mass and, therefore, momentum.

**Rule:** If Inertial Scrolling is enabled, the screen doesn't stop instantaneously when you release the scroll button; the scrolling speed decreases gradually until it stops.

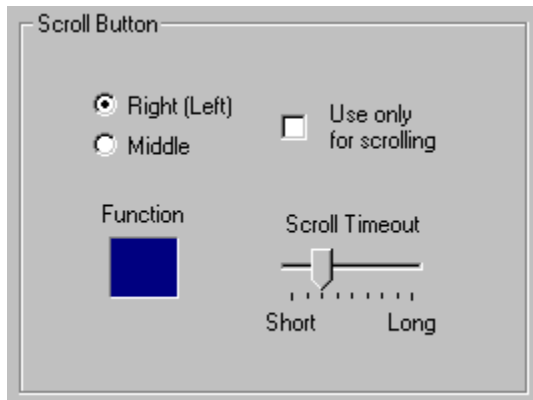
**Tip >> :** You can adjust the screen's "mass". The amount of time the screen keeps scrolling after you have released the scroll button is proportional to the screen mass.

The recommended setting of the mass parameter for the majority of applications is within the first two notches (low). Excessive mass can produce lack of control of the window's scrolling position.



\*\*\*\*\* DIALOGS \*\*\*\*\*

## Scroll Button



### Right

Casts the right button as scroll button.

### Middle

Casts the middle button as scroll button.

**Tip >> :** If you tap the scroll button, you get the normal function assigned to that button (for example, opening a pop-up menu), so you don't lose the original functionality. (see [Scroll Timeout](#)).

### Use Only For Scrolling

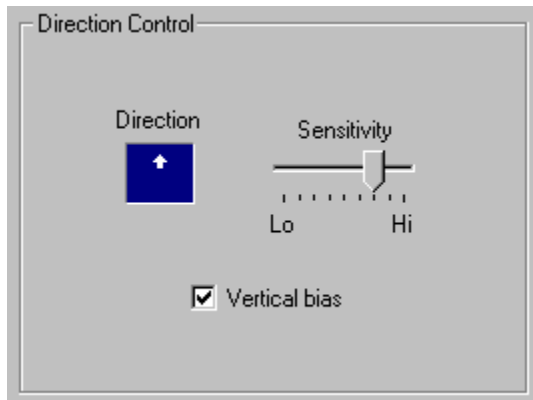
Disables the Scroll Timeout function. The scroll button is used exclusively for scrolling. (Useful if you have a three-button mouse or if you don't use Windows 95's pop-up menus).

### Scroll Timeout

Sets the amount of time that Scroll++ waits before it starts scrolling. If you release the scroll button before the scroll timeout elapses, Scroll++ understands you have tapped the scroll button and passes on the message to Windows without scrolling.

**Tip >> :** A short timeout means a more responsive scrolling control, but you must tap faster.

## Direction Control



### Sensitivity

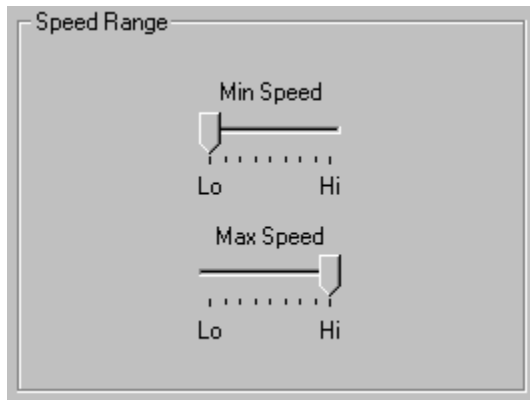
Sets the sensitivity of the scrolling direction vs. mouse movement. A high sensitivity setting means that tiny mouse movements can change the scrolling direction.

### Vertical Bias

When checked, Scroll++ is biased to scroll vertically (in almost all applications, vertical scrolling is much more frequent than horizontal scrolling).

All settings are modified accordingly by this parameter (speed, sensitivity, mass, etc.).

## Speed Range



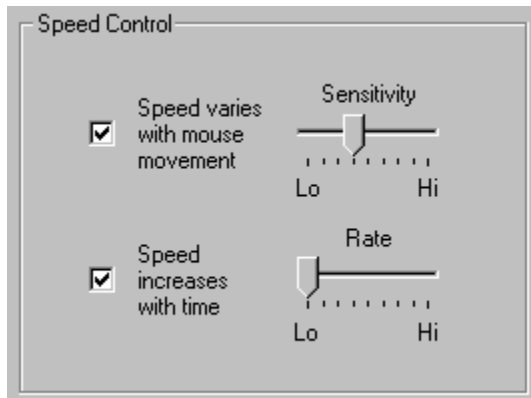
### Minimum Speed/Maximum Speed

Set the internal scrolling generator's maximum and minimum speeds.

**Rule:** Scroll++ always starts scrolling at the minimum speed and accelerates to the maximum speed (if enabled).

**Tip >> :** Set both parameters at the same level to get constant scrolling speed.

## Speed Control



Scroll++ includes an internal scrolling function generator that controls how the scrolling speed varies with time and mouse movement. This dialog allows you to control the way Scroll++ varies the scrolling speed to achieve different behaviors.

### Speed Varies With Mouse Movement

Enables mouse-controlled speed.

**Rule:** Once you started scrolling, the scrolling speed will increase if you move the mouse in the same direction as you are scrolling, and it will decrease if you move it in the opposite direction.

### Sensitivity

Control the sensitivity of speed variation vs. mouse movement. High sensitivity means that tiny mouse movements produce huge speed variations.

### Speed Increases With Time

Enables time-controlled speed.

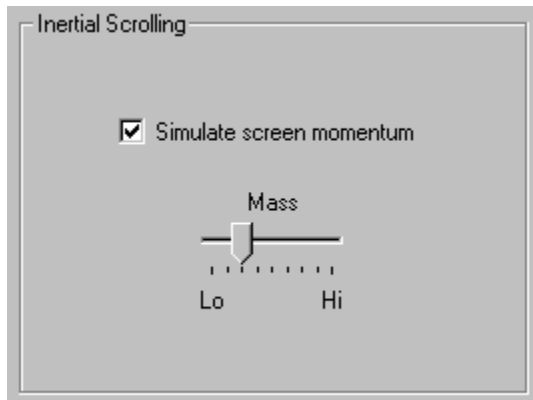
**Rule:** Once you started scrolling, the scrolling speed increases automatically at a pre-determined rate.

### Rate

Controls the pace at which speed increases with time. High rate means that the scrolling speed will reach its maximum in just a few 10ths of a second.

**Tip >> :** You can use both methods alternatively or combined. When combined, it is recommended to use one of both at minimum, otherwise it may be very difficult to control the screen.

## Inertial Scrolling



Inertial Scrolling is another exclusive Scroll++'s feature that provides a very natural feel while scrolling documents. When Inertial Scrolling is enabled, Scroll++ simulates that your computer's screen has mass, and therefore, momentum.

**Rule:** If Inertial Scrolling is enabled, the screen doesn't stop instantaneously when you release the scroll button; the scrolling speed decreases gradually until it stops.

### Simulate Screen Momentum

Enables/disables the Inertial Scrolling feature.

### Mass

Sets the screen's "mass". It controls the amount of time the screen keeps scrolling after you have released the scroll button.

**Tip >> :** The recommended setting of this parameter for the majority of applications is within the first two notches (low). Excessive mass can produce lack of control of the scrolling position.

\*\*\*\*\* DEFINITIONS \*\*\*\*\*

**Scroll Button**

A mouse button used by Scroll++ to command scrolling. (usually is the right button).

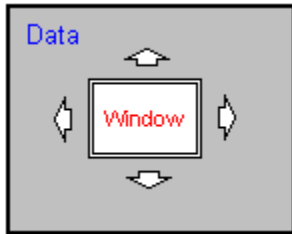
## **Scrollbars**

The bars located to the right and below the window that are used to displace the point of view of a certain document or data collection.



## Scrolling Direction

The direction in which a window is moved respect of its data.



## **Scroll Timeout**

The amount of time that Scroll++ waits before it starts scrolling. If you release the scroll button before the scroll timeout elapses, Scroll++ understands you want the normal button function and performs no scrolling.

\*\*\*\*\* HELP AREA \*\*\*\*\*

## How to Enable Scroll++

Once you have installed Scroll++ in your computer, it will work in [Trial Mode](#), which means that it will not work continuously but with periodic interruptions. You can switch from [Trial Mode](#) to [Normal Mode](#) at any time once you get your [Personal Identification Number](#) (“PIN”) and your [password](#) from Pointix Corporation.

The image shows a software window titled "Request Code" with the following elements:

- A blue box containing the text "Your Request Code". An arrow points from this box to the text "Send To Pointix".
- A button labeled "Copy To Clipboard" below the first box.
- A section titled "Personal Identification Number" containing a white box with the text "Your PIN". An arrow points from the text "From Pointix" to this box.
- A section titled "Password" containing a white box with the text "Your Password". An arrow points from the text "From Pointix" to this box.

### How to Order you P.I.N.

To order your P.I.N. you must send your Request Code to Pointix Corporation together with your credit card information, check or money order. Once your request is processed your P.I.N. and password will be sent to your e-mail account within two business days.

You can do this **on-line** through our secure server at <http://www.pointix.com>

[More information about how to order your Scroll++ License](#)

## How to Order Scroll++

### Ordering Online

To order your Scroll++ License, just fill in the corresponding form on our secure web site at <http://www.pointix.com>

You need to specify the Request Code, which you will find at the dialog box "Enable Scroll++", accessible through the program's menu. (see: [How To Enable Scroll++](#))

Once you have completed your request, your P.I.N. and password will be sent to your e-mail account within two business days.

### Other ways to order

#### Ordering by Fax or Mail

You must send the following information to Pointix Corporation:

##### *Product Information:*

(You must fill this field with the number displayed in the dialog box "Enable Scroll++", accessible from the program's menu). (see: [How To Enable Scroll++](#))

Request Code: \_\_\_\_\_

##### *Personal Information:*

First & Last Name: \_\_\_\_\_  
E-Mail Address: \_\_\_\_\_  
Company Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
City: \_\_\_\_\_  
State\Country: \_\_\_\_\_  
Zip Code: \_\_\_\_\_  
Phone Number: \_\_\_\_\_  
Fax Number: \_\_\_\_\_

If you are paying by credit card, please include the following:

##### *Credit Card Information:*

Credit Card Number: \_\_\_\_\_  
Expire Date: \_\_\_\_\_  
Cardholder Name: \_\_\_\_\_

If you are paying with a check or money-order, please send it to:

[Pointix Corporation](#)  
[1373 SW 23rd St.](#)

Miami, FL 33145  
USA

### **Ordering by Phone**

If you are calling from the United States, call [1-888-POINTIX](tel:1-888-POINTIX). If you are calling from outside the United States, call [+1 305 285 1838](tel:+1-305-285-1838).

Please have your Product Information and your Personal Information as well as your Credit Card Information ready:

### **Ordering by E-Mail**

Send the Product Information and your Personal Information as well as your Credit Card Information to [sales@pointix.com](mailto:sales@pointix.com).

## About...



## The wheel-less scrolling solution!

Module: Pointix Scroll++  
Version: 2.00

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### Contact Pointix:

Address:

Pointix Corporation  
1373 SW 23rd St., Miami  
(33154) Florida  
USA

URL:

<http://www.pointix.com>

Toll Free Number:

[1-888-pointix](tel:1-888-pointix)

E-mail addresses:

_Technical Support	<a href="mailto:support@pointix.com">support@pointix.com</a>
_Sales	<a href="mailto:sales@pointix.com">sales@pointix.com</a>
_General Feedback	<a href="mailto:feedback@pointix.com">feedback@pointix.com</a>
_Press Releases and _Investing Information	<a href="mailto:press@pointix.com">press@pointix.com</a>
_Developers	<a href="mailto:development@pointix.com">development@pointix.com</a>
_Trade Shows	<a href="mailto:events@pointix.com">events@pointix.com</a>

### Note:

**This software may be used only with Pointix Engine.**

## Frequently Asked Questions

### **1) When Scroll++ is running I can not use the right button to pop up menus**

If you tap the scroll button, you get the normal function assigned to that button (for example, opening a pop-up menu), so you don't lose the original button functionality. (see [Scroll Timeout](#)).

### **2) When Scroll++ is running, I can not drag objects with the right button**

To drag objects with your right mouse button, just press and hold the "Shift" key and then drag the selected object. The "Shift" key temporarily disables the scrolling feature, enabling you to drag objects with your right mouse button

### **3) There are some applications in which Scroll++ doesn't work**

The scrolling feature is available in a large number of Windows applications. However, since the development of the Scroll++ scrolling method was after the definition of Windows 3.1 API, this feature may not be available in all applications. (Contact Pointix Corporation to check if a fix is available for a particular application).

### **4) I have a three button mouse and scrolling doesn't work with the middle button**

Not all mouse drivers sense and process the middle button. Check if mouse driver is working ok and if it is appropriate for your device.



## System Requirements

Minimum configuration required to run Scroll++ (2.0):

- An 486 IBM PC compatible or higher
- Windows 95/NT
- 5 Mb of free hard disk space
- 8 Mb RAM
- Any mouse or other two-dimensional pointing device

**Note 1:** Setting your system to display more than 256 colors may degrade scrolling performance.

**Note 2 :** If you are using Microsoft Internet Explorer 3.x or higher, turn off "Smooth Scrolling" for best results (In MSIE 3.x go: "View / Options / Advanced" and uncheck the corresponding box)

During installation Scroll++ does not alter any configuration parameters in your PC, nor does it make any changes to your drivers.

If you find any problems installing Scroll++ please send e-mail to [support@pointix.com](mailto:support@pointix.com).

## Technical Support

Technical support is available at no charge. Support options are:

**e-mail:** [support@pointix.com](mailto:support@pointix.com)  
**www:** <http://www.pointix.com>

**Postal Mail:** write to:  
  
["Technical Support"](#)  
[Pointix Corporation](#)  
[1373 SW 23rd St.](#)  
[Miami](#)  
[FL, 33145](#)  
[USA](#)

**Phone:** not available as of December 1997

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