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# Move Mouse pointer one pixel at a time with Keyboard in Windows 10/8.1

In this post we will see how we can improve the accuracy of the Mouse and use move the Mouse pointer using Keyboard, one pixel at a time in Windows 10/8.1/7. There may have been times where you may have you ever struggled to move your mouse cursor exactly by one pixel while you were selecting a rectangular region of a picture, or when you were drawing a precisely horizontal or vertical line in a drawing tool. In such scenarios, it becomes imperative to control the accuracy of the mouse.

## Move Mouse one pixel at a time

To move mouse one pixel at a time, open Control Panel > Ease of Access > Make the mouse easier to use.



[Make the mouse easier to use](#)

Adjust settings for the mouse or other pointing devices

Here check the **Turn on Mouse Keys** check-box.

## Control the mouse with the keyboard

### ☒ Turn on Mouse Keys

Use the numeric keypad to move the mouse around the screen.

[Set up Mouse Keys](#)

Click on Set up Mouse Keys.

### Set up Mouse Keys

#### ☒ Turn on Mouse Keys

Use the numeric keypad to move the mouse around the screen.

#### Keyboard shortcut

##### ☒ Turn on Mouse Keys with left ALT + left SHIFT + NUM LOCK

When using keyboard shortcuts to turn Ease of Access settings on:

☒ Display a warning message when turning a setting on

☒ Make a sound when turning a setting on or off

#### Pointer speed

Top speed:

LOW  HIGH

Acceleration:

Slow  Fast

☐ Hold down CTRL to speed up and SHIFT to slow down

#### Other settings

Use Mouse Keys when NUM LOCK is:

☒ On

☐ Off

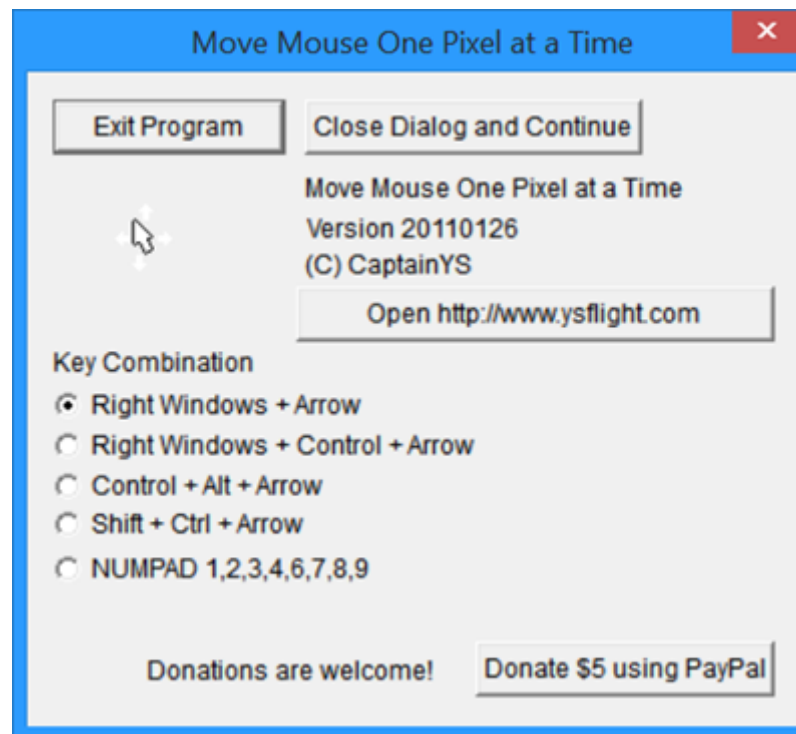
☒ Display the Mouse Keys icon on the taskbar

You can configure the Mouse Keys to your specifications. If you Turn on Mouse Keys, you can toggle the Mouse Keys on and off with Alt+Shift+Num Lock, using the left Alt+Shift. Click Apply > OK.

You can now use the arrows on the number pad to move the mouse.

Using these settings you can improve the accuracy of the Mouse by making it move slower and thus you will be able to even move it one pixel at a time!

There is one freeware that lets you move your mouse pointer one pixel at a time. It is called .... **Move mouse one pixel at a time!**



When you run this tool, you will see its icon in the notification area. By default, you can move your mouse cursor by pressing Right Windows key + one of the Arrow keys. By clicking on the icon in the taskbar, you can open the configuration dialog in which you can customize the key combination. The options are:

1. Right Windows + Arrow keys
2. Right Windows + Control + Arrow keys
3. Control + Alt + Arrow keys
4. Shift + Control + Arrow keys
5. Numeric Pad 1, 2, 3, 4, 6, 7, 8, 9 keys

The developer states that some key combination may not work inspecific environment. In such a case, you should choose another combination.

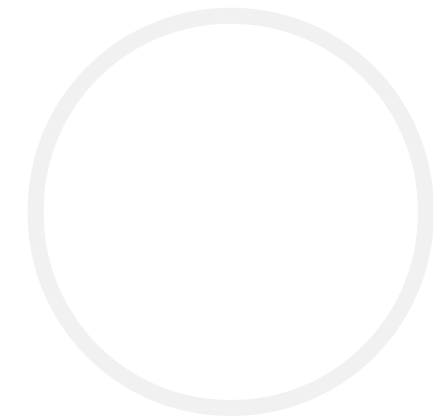
I checked it on my Windows 10/8.1 and it appeared to work fine. Download it [here](http://www.softpedia.com/progDownload/Move-Mouse-One-Pixel-at-a-Time-with-Key-Download-183947.html) (<http://www.softpedia.com/progDownload/Move-Mouse-One-Pixel-at-a-Time-with-Key-Download-183947.html>) if you'd like to check it out.

While on the subject, you might want to read this interesting post on [Useful Mouse Tricks For Windows Users](https://www.thewindowsclub.com/computer-mouse-tricks-windows) (<https://www.thewindowsclub.com/computer-mouse-tricks-windows>).

**TIP: [Download this tool to quickly find & fix Windows errors automatically](http://www.reimageplus.com/includes/router_land.php?tracking=twc&lp=slm)**  
([http://www.reimageplus.com/includes/router\\_land.php?tracking=twc&lp=slm](http://www.reimageplus.com/includes/router_land.php?tracking=twc&lp=slm))

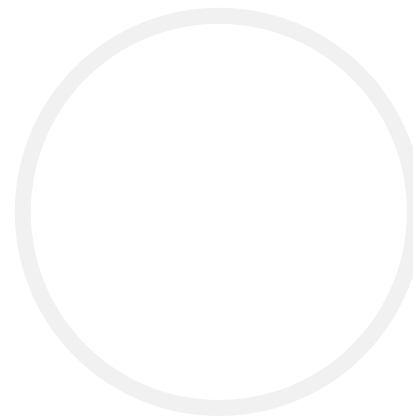
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by shareaholic



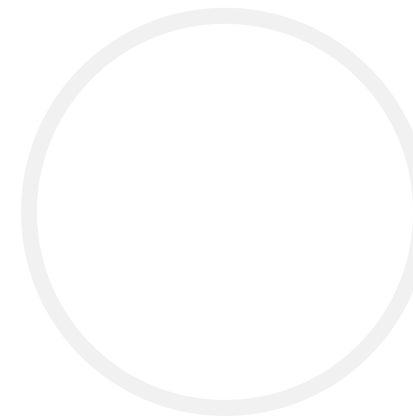
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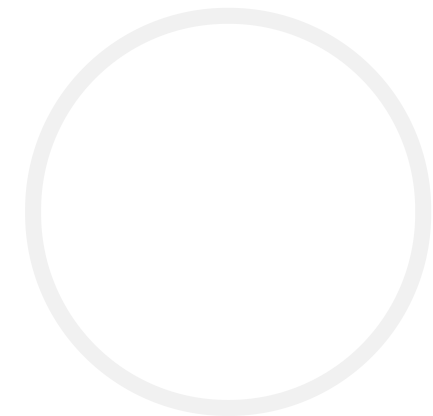
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Posted by AnandK@TWC (<https://www.thewindowsclub.com/author/anand>) on March 12, 2014 , in Category Windows (<https://www.thewindowsclub.com/category/windows>) with Tags Mouse (<https://www.thewindowsclub.com/tag/mouse>)

Anand Khanse is the Admin of TheWindowsClub.com, a 10-year Microsoft MVP Awardee in Windows (2006-16) & a Windows Insider MVP. Please read the entire post & the comments first, create a System Restore Point before making any changes to your system & be careful about any 3rd-party offers while installing freeware.

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