

"Crazy Mouse"

Description:

Cursor erratically jumps around on the screen when a GPS or other NMEA device is hooked up to the computer.

Solution(s):

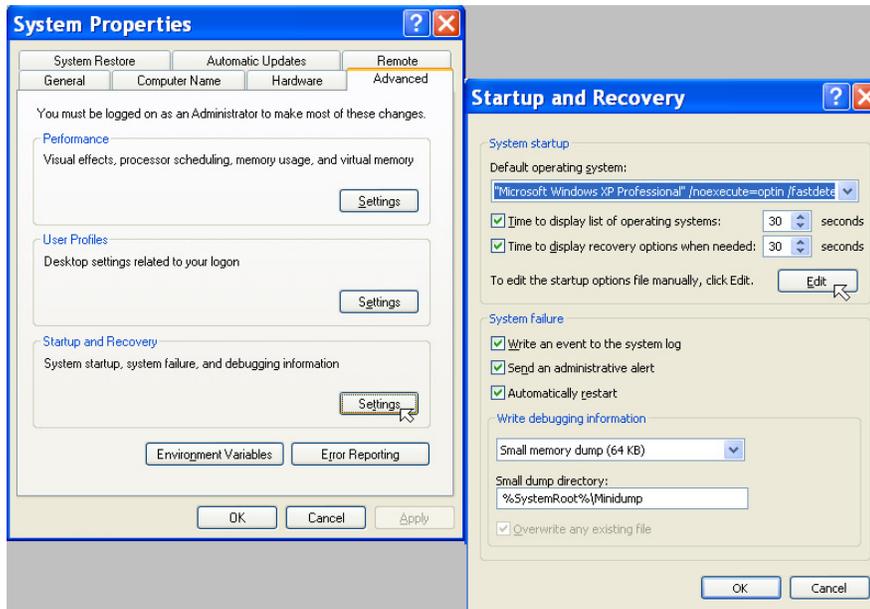
1. **"NoSerialMice" fix.** (Best general fix.)
2. **Disable Serial Mouse.** (Not a good option for devices that are disconnected frequently – steps must be re-taken on reconnect.)
3. **"fastdetect" fix.** (Specific to the COM port(s) identified only.)

Steps:

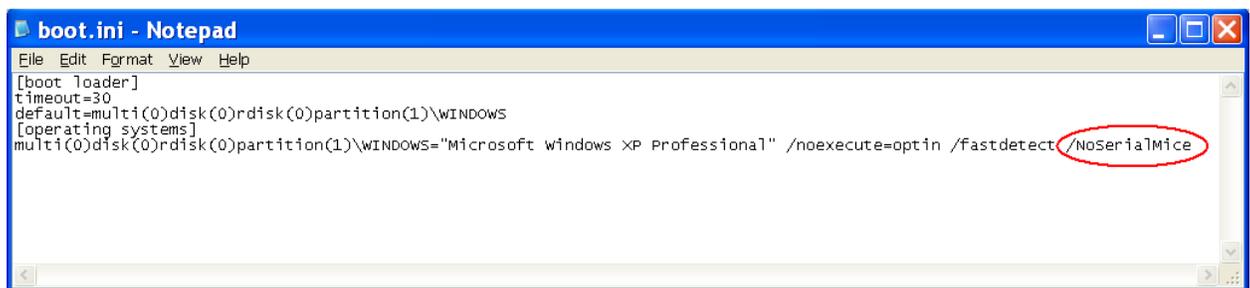
Solution 1, (NoSerialMice):

To disable the detection of devices on COM ports in Windows NT/2000/XP:

1. Go to: **My Computer – Right Click – Properties | Advanced tab | Startup and Recovery - Settings | Edit.** Make a backup copy of the **Boot.ini** file, (copy and paste in another location)



2. Remove the hidden, system, and read-only attributes from the **Boot.ini** file. (Use Windows Explorer and right click on file, then properties.)
3. Using a text editor (such as Notepad) open the **Boot.ini** file. (Double click on file, or right click and choose Notepad from the "Open With" option.)
4. Add **"/NoSerialMice"** to the end of each entry in the [operating systems] section of **Boot.ini**. See the example below for more information



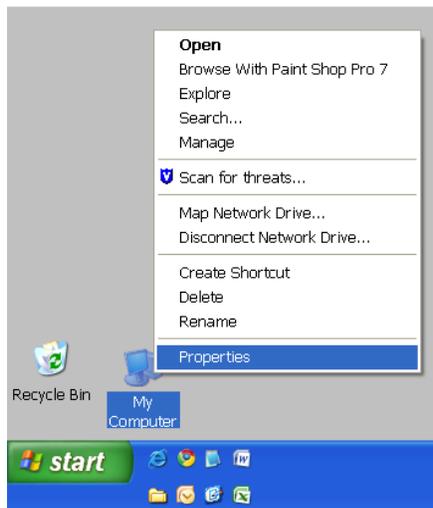


5. Save **Boot.ini** and quit Notepad
6. Shutdown and restart Windows

NOTE: The /NoSerialMice option is not case sensitive.

Solution 2, (Disable Serial Mouse):

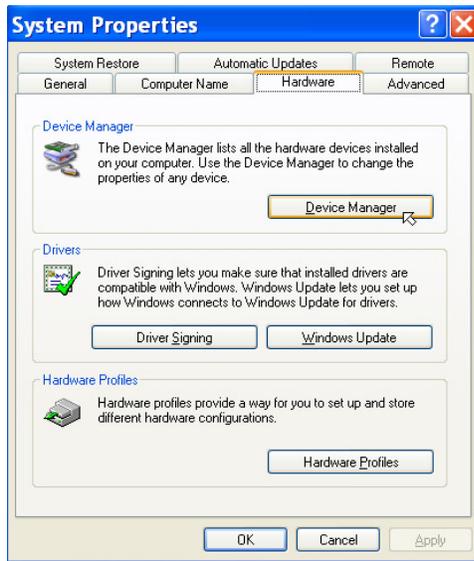
1. Start with the computer turned off and GPS ON and connected
2. Turn on computer and boot into windows
3. Once the mouse goes crazy, wait about two minutes then turn off the GPS
4. For Windows XP: Right click on **My Computer**, left click **Properties**



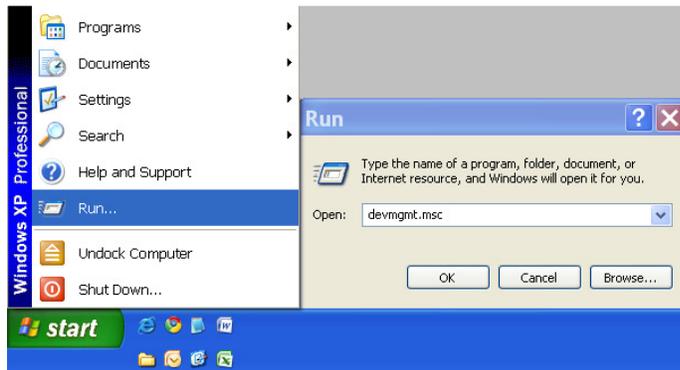
5. Click on the **Hardware** tab
6. Click on **Device Manager**

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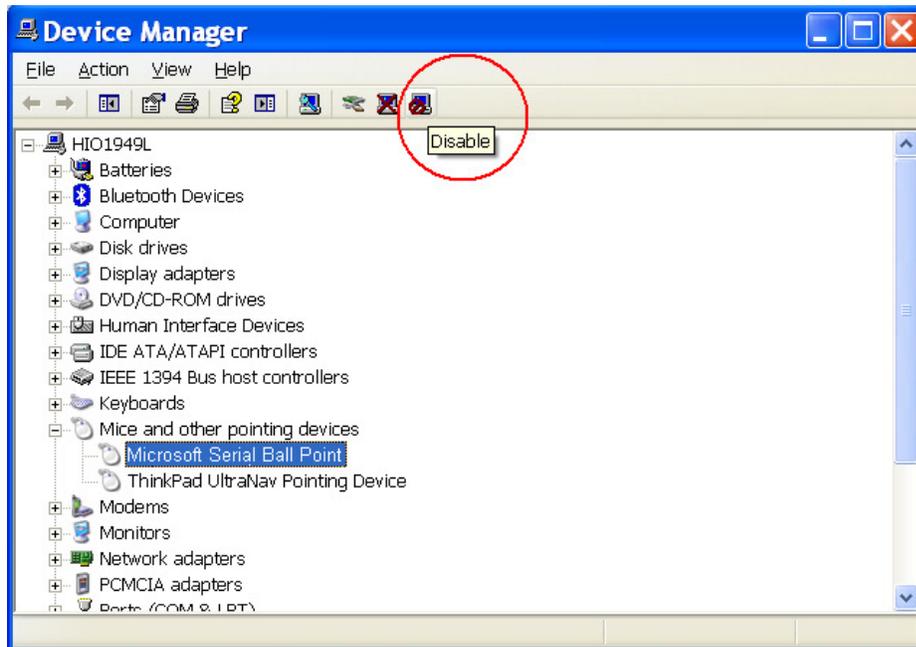
Tech Tips



For all Operating Systems: Go to the **Start** menu, select **Run**, enter “devmgmt.msc” and hit **OK**



7. In the Device Manager click on the + next to **mice and other pointing devices**
8. Highlight **Microsoft Serial Ball Point**
9. Click on the **Disable** icon up at the top



10. Click on **Yes** to the next message that appears
11. Close the **Device Manager**
12. Turn on the GPS

Note: Do Not delete the mouse – this would cause Windows to re-install on startup and Crazy Mouse would return.

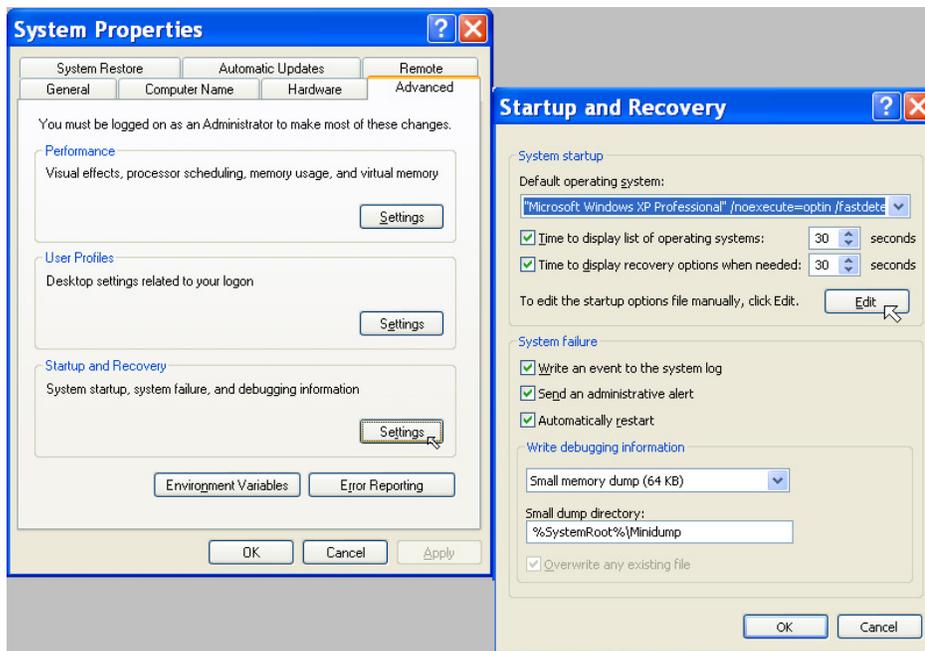
Solution 3, (fastdetect):

Note: For XP only

1. Go to: **My Computer – Right Click – Properties | Advanced tab | Startup and Recovery - Settings | Edit.** Make a backup copy of the **Boot.ini file**, (copy and paste in another location)

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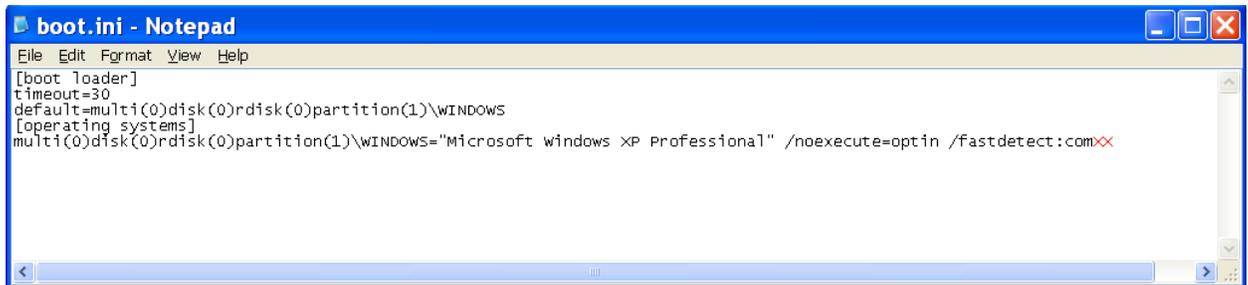
Tech Tips



1. Remove the hidden, system, and read-only attributes from the **Boot.ini** file. (use Windows explorer, and right click on file, then properties)
2. Using a text editor (such as Notepad) open the **Boot.ini** file. (Double click on file, or right click and choose Notepad from the "Open With" option.)
3. Add **"/fastdetect:comXX"** Where **XX** is the required serial port
4. **Note:** Ports may be separated with commas to turn off more than one port
Warning: If you use /fastdetect, and do not specify a communications port, serial mouse detection is turned off on all communications ports

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Tech Tips

A screenshot of a Notepad window titled "boot.ini - Notepad". The window contains the following text:

```
[boot loader]
timeout=30
default=multi(0)disk(0)rdisk(0)partition(1)\WINDOWS
[operating systems]
multi(0)disk(0)rdisk(0)partition(1)\WINDOWS="Microsoft Windows XP Professional" /noexecute=optin /fastdetect:com
```

5. Save **Boot.ini** and quit Notepad
 6. Shutdown Windows, turn on the GPS and restart the computer
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