

Re: How to detect the mouse horizontal scroll?

Source:

<http://www.tech-archive.net/Archive/Development/microsoft.public.development.device.drivers/2008-04/msg00631.html>

- *From:* Ray Trent <rat@xxxxxxxxxxxxxx>
 - *Date:* Wed, 23 Apr 2008 10:03:25 -0700
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It's a bit hard to say, because potentially it could be different for every mouse.

But anyway, to get started probably you want to use a tool that shows you the HID descriptors for the device (I don't remember any specific ones, but Google should help there).

Then your app needs to open the appropriate Top Level Collection that contains the data from the tilt wheel and submit read requests to it. You'll get responses when the tilt wheel is used, that you'll have to parse yourself, and I can't really tell you what to do because again, they might be different for each brand of mouse.

Ree wrote:

Lastest finding...

The tilt horizontal function cannot work with filter driver.

We must create a .exe process file to detect the tilt. But i have no idea on developing the exe process...

"Ree" wrote:

Hi Doron,

To asnwer your question, I am using microsoft Wireless Optical Mouse 3000, Logitech G9 and G7.

FYI, I did no install any intellipoint or setpoint mouse driver. What i am trying to do is plug in the mouse, let the mouse use the standard mouse driver and standard HID driver. On top of that, I create my owe filter driver to the standard driver.

I can detect the buttons, xy movements and vertical wheel events BUT not the HSCROLL.

Anyone can help me on this? Does Microsoft have any patch to the standard drivers?

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I also found out that the horizontal tilt does not function well in Vista as well. With the Vista standard driver, together with the tilt mouse, it can only support limited program such as 3D-FLIP only. Many other program such as Office 2007 does not support the tilt function with standard vista mouse driver.

Anyone here can guide me on developing the mouse driver more or less similar as Intellipoint/Setpoint? My project here is to create mouse driver in Windows platform. Please advice.

"Doron Holan [MSFT]" wrote:

the microsoft mouse apparently does support hscroll as well as some higher end logitech mice and the apple mighty mouse. does it work w/out your filter present?

d

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"Ree" <Ree@xxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in message news:D97EE52C-1F38-444B-85C3-0AFCBF6A423D@xxxxxxxxxxxxxxxxxxxx

Doron,

I tried Microsoft and Logitech mouse, but the event on the HSCROLL does not occur.

Any other way that i can detect this horizontal scroll? Please advice.

"Doron Holan [MSFT]" wrote:

Re: How to detect the mouse horizontal scroll?

i have no idea about devices
in the market, i just know
what the code
does
;)

d

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"Ray
Trent"<rat@xxxxxxxxxxxx>
wrote in message
news:u7exIHYoIHA.2256@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

Doron: Do
you know if
there are
actually any
mice in
production
yet
that
send HID
reports that
would result
in a
MOUSE_HWHEEL
being sent
by the
HID
mapper?

Last time
someone
asked this
question, it
was
discovered
that the
mouse
didn't send

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horizontal
scroll
messages
directly, but
had a
separate
Top
Level
Descriptor
that their
special
service was
opening and
reading
rather
than going
through the
"standard"
HID
mechanism.

In fact, I'd
be kind of
surprised if
this **ever**
takes off, at
least
until
no one cares
at all any
more about
OS's where
MOUSE_HWHEEL
isn't
supported
(do you
have to go
back to 2k
or only XP
to find that?
I
don't
remember).

Unlike
some kinds
of
peripherals
vendors
really
don't like to

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make
mice
that only
work on
some
machines,
so my
(completely
ignorant,
but well
educated)
guess is that
they *all*
still use the
separate
TLD
method.
And
if they have
to do that
anyway, it's
actually a
heck of a lot
more
complicated
to also
include the
"standard"
way. So I
bet they
don't.

Still just a
guess,
though :-).

Doron
Holan
[MSFT]
wrote:

the
flag
check
you
have
is
correct
for
checking
for

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a
horizontal
wheel

d

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Ray

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Ray
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