

Re: How to detect the mouse horizontal scroll?

Source:

<http://www.tech-archive.net/Archive/Development/microsoft.public.development.device.drivers/2008-04/msg00639.1>

- *From:* Ree <Ree@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx>
 - *Date:* Wed, 23 Apr 2008 17:43:00 -0700
-

In this case, do I need the HID filter driver? Together with the exe process running in the background?

Thanks for your help :)

"Ray Trent" wrote:

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,

Re: How to detect the mouse horizontal scroll?

Logitech G9 and G7.

FYI, I did not 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 own 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?

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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Re: How to detect the mouse horizontal scroll?

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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:

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

Re: How to detect the mouse horizontal scroll?

was
discovered
that
the
mouse
didn't
send
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

Re: How to detect the mouse horizontal scroll?

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
make
mice
that
only
work
on
some
machines,
so
my
(completely

Re: How to detect the mouse horizontal scroll?

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
:-).

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Doron
Holan
[MSFT]
wrote:

the
flag
check
you
have
is
correct
for
checking
for
a
horizontal
wheel

d

--
Ray

--
Ray