
Subject: Re: catching of wheel button / wheel scroll events?

Posted by [Rick Towler](#) on Fri, 16 Apr 2004 18:28:53 GMT

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"Stefan Tuchschnid" wrote in message...

- > Hi Guys
- > For a medical application the client requested that he can scroll
- > through a stack of images with a Logitech Wheel Mouse. Only one is
- > shown at a given time. That means I'll have to come up with an
- > solution to catch the wheel event. I have not found any documentation
- > how this can be done in IDL.
- >
- > It might be possible to have an empty IDLgrWindow with scroll bars
- > invisible in back of my Draw Object, and then catch the OnScroll
- > Events. However, this seems to be a rather awkward solution.
- >
- > I know that there's a OS issue with that and all, but we're simply
- > trying to make it as fast as possible for the radiologist.
- >
- > Solution anyone?

If you are using windows you can use my DirectInput .dlm. It is a windows only .dlm which captures keyboard, mouse (including mouse Z, aka mouse wheel), and joystick input. Unfortunately it isn't event driven, you need to poll for input.

<http://www.acoustics.washington.edu/~towler/directInputDLM.html>

-Rick

Subject: Re: catching of wheel button / wheel scroll events?

Posted by [Jeff Guerber](#) on Fri, 16 Apr 2004 22:14:01 GMT

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> "Stefan Tuchschnid" wrote in message...

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X-Windows has something of a "de-facto" standard that rotation of the mouse wheel generates Mouse-4 and Mouse-5 events, as if the mouse had two extra buttons. I just tried it in IDL 6.0.3 with a draw widget set to return button events, and upward rotation generated {widget_draw} events with event.press (or release) = 8; downward, 16. (The press and release fields are bit flags, one bit per button.) The events came in pairs, the first with event.press=8 (or 16) and event.release=0, then vice versa. This was using IDL 6.0.3 on HP-UX and X-Win32 5.4.4 on MS-Windows 2000Pro.

Note that not every X server supports mouse wheel events, however. On PC's, I know StarNet X-Win32 does, but Hummingbird Exceed does not (or at least, not the last time I tried it). Also, you may need to fiddle with the X server's configuration settings to turn them on.

For IDL running directly under MS-Windows, I can't say.

Jeff Guerber
