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Horizontal scroll with Arduino Mouse library, Teensy LC, and Linux?

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08-28-2018, 12:47 PM

#1

wolfv

Senior Member

Join Date: Jul 2013

Posts: 123

Horizontal scroll with Arduino Mouse library, Teensy LC, and Linux?

I built a keyboard with Teensy LC as the controller. The firmware is written with the Arduino 1.8.5 library and Teensyduino 1.42.

I would like to issue horizontal scroll commands from the keyboard

I use horizontal scroll on LibreOffice Calc spreadsheet on Linux.

What do I need to do, to add horizontal scroll to Arduino Mouse library for Teensy LC?

Some of the following links are relevant.

<https://www.arduino.cc/en/Reference/MouseMove>

The Arduino Mouse.move(x,y,wheel) function has a "wheel" parameter for vertical-scroll, but no parameter for horizontal-scroll.

<https://github.com/keyboardio/KeyboardioHID>

Mouse (5 buttons, move, vertical wheel, horizontal wheel)

<https://github.com/Trass3r/TeensyCore>

Mouse extra buttons & horizontal scroll on Teensy 2.0

<https://arduino.stackexchange.com/que...l-horizontally> Oct 30 '17

instructions to rewrite the ATmega32U4 core to provide horizontal-scroll buttons 6 and 7

<https://forum.pjrc.com/threads/33017...izontal-scroll> 02-10-2016

<https://forum.pjrc.com/threads/34472...izontal+scroll> 05-10-2016

#1 Changes since Teensyduino 1.28: USB Mouse adds horizontal scroll

<https://forum.pjrc.com/threads/45740...izontal+scroll> 11-08-2017

page 2, #48 This should be able to recognize the scroll wheel on any mouse, and properly find horizontal scroll, if the mouse has it.

page 8, #176 > horizontal_link

Last edited by wolfv; 08-28-2018 at 01:18 PM.

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08-28-2018, 02:07 PM

#2

PaulStoffregen ◉

Senior Member



Join Date: Nov 2012

Posts: 23,188

Use Mouse.scroll(vertical, horizontal);

The 2nd parameter is optional and defaults to zero.

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08-28-2018, 03:49 PM

#3

wolfv ◉

Senior Member

Join Date: Jul 2013

Posts: 123

👤 Originally Posted by **PaulStoffregen** ➡

Use Mouse.scroll(vertical, horizontal);

The 2nd parameter is optional and defaults to zero.

That's too easy 😊 Works great. Thank you!

Where is the Mouse.scroll() function documented? It's not listed in

<https://www.arduino.cc/reference/en/...ons/usb/mouse/>

This works:

Code:

```
//for this to scroll, mouse pointer must be po:
#include <Mouse.h>

int count = 0;

void setup()
{
  delay(1000);
  Keyboard.print("start");

  while(count < 2)
  {
    delay(100);
    Mouse.scroll(1,1); //with mouse pointer in
    count++;
    Keyboard.print(count);
  }
  Keyboard.print("end ");
}
```

Last edited by wolfv; 08-28-2018 at 04:28 PM.


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