WiiPres

Giving presentations with your WiiMote

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About us
What is a WiiMote?
What can it do?
Why use a WiiMote?
Linux and the WiiMote
Giving presentations
Demonstration
(here we ask for the money)
What is a WiiMote?

- A User Input device
- But also has output functionality
Features of the WiiMote

- Vibrating
- Motion
- Infrared camera
- Tit sensor for 3D
- Buttons
- Leds
- 16kiB EEPROM
Wii buttons and tilting

**Arrow keys**
- Up (Pan/Move)
- Left/Right (Pan/Move)
- Down (Pan/Move)
- Down tap (Pan/Move)

**Cursor Movement**
- Cursor Up/Dn
- Pitch
- Roll
- X
- Y
- Z

**Steering Wheel**
- Ctrl + Shift + K

**Left-click**

**Right-Click**
- A

**Show/hide navigator**
- N key

**Markup Mode**
- M key

**Select (A Key)**
- 2

**Home**
- Ctrl + G
WiiMote and Linux

• Bluetooth required
• 4 main apps/libs
  – WMD (unmaintained)
  – Cwiid
  – Libwiimote
  – Wiiuse
Why use it for presentations?

- Unique features
  - Cheap
  - Known interface
  - It can rumble!
  - Makes you look cool
  - Easy to use
  - Reliable
WiiPres

- Buttons to advance and control computer
- Tilt sensors to move mouse (IR option)
- Leds and rumble for time indication
- Stuff that is useful for presentations
Demonstration

- wmgui
- Hacked WMD (Dag)
  - Uses python
- Hacked wiipre (Geerd)
  - Uses C
Ideas to implement

- Secret handshake
- WiiFit usage?
- Movement to advance
- Multitouch?
- Sounds!
- Local positioning system?
More ideas to implement

- Involve audience
  - Handraising
  - Voting
  - Broadcasting?
- Locking computer
- Disable screensaver
- Enable sound
Future of the project

1. Start the project
2. Find people to help
3. Something else?
4. Profit!
Project details

- Google code project page
  http://code.google.com/p/wiipre/

- WMD (unmaintained)
  http://ForTheWiiN.org/

- Cwiid
  http://abstrakraft.org/cwiid/

- Wiiuse
  http://wiiuse.sourceforge.net/
Wii need your ideas!

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