

# GP2X: A PRIMER

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# NO GAMES ON LINUX?

- The Gamepark Holdings GP2X is a portable Linux-based gaming device
- It can run thousands of games, possibly over 90000
- Its similar in nature to a Nintendo DS, Sony PSP, or Sega Gamegear, but comes with source code

NO GAMES ON LINUX?



# AESTHETICS



**Pictured: GPH GP2X, Nintendo DS, Apple iPod Touch**

# HARDWARE



Made in Soviet South Korea

# HARDWARE

- 200MHz ARM920T host processor, 200MHz ARM940T programmable co-processor
- 64MB RAM
- SD/SDHC\* card slot
- 2AA power source
- 320x240 3.5 inch, 65,536 colors TFT LCD display

\* Requires latest firmware (4.1.1)

# HARDWARE

- Headphone jack
- Built-in speakers
- AC adapter
- Police batton-ish stylus
- BLUE LED!!!!11111
- Buttons and stuff

## EXTENDED HARDWARE

- EXT port cable for TV-out
- EXT cradle with 4 USB ports
  - USB mass storage
  - USB keyboard/mouse support
  - USB (+ parallel?) game controllers
  - USB \*



## CORE FUNCTIONS

- **Native GP2X Games (5 Preloaded)**
- **Music Player**
- **Picture Viewer**
- **Video Player**
- **Ebook Reader**

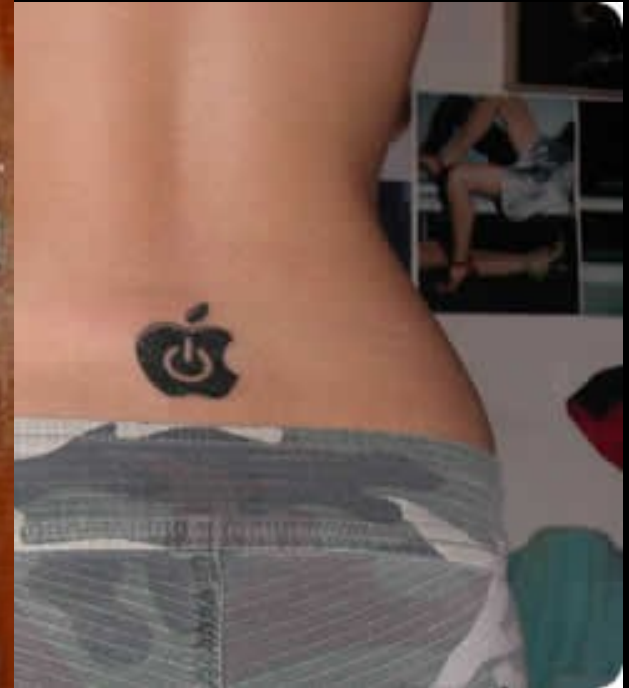
# THIRD PARTY FUNCTIONALITY

- **Ported Linux Games**
  - Quake
  - Duke Nuke Em 3D
  - Supertux
  - Moar...
- **PDF Reader (pdfView)**
- **Music Players that handle more than mp3 and ogg (mplayer, ffplay)**

# THIRD PARTY FUNCTIONALITY

- ...and of course...

# EMULATION



Something for fan [ boys | girls ] on every side...

# EMULATION

- **Game Systems**

- **NES (GPFCE)**

- **SNES (PocketSNES)**

- Kinda slow on a few games, like Starfox (in b4 do a barrel roll)

- **Gameboy Advance SP (GPSP)**

- Requires BIOS and lawyer if you take it from Piratebay

- **Old Gameboy +Color (GnuBoy)**

- In b4 so I herd you liek mudkips...

# EMULATION

- **Game Systems**

- Sega Genesis/CD (PicoDrive)
- Sega GameGear (Alexkidd2x)
- Sony Playstation (PSX4GP2X)
  - If you find a working download link, please let me know :)
- Atari 2600 (Stella)
- Arcade (MAME4ALL)
- Many moar...

# EMULATION

- **General Operating Systems**
  - DOS (DOSBOX)
    - You'll want a keyboard for this...
  - Apple II (Gp2xMESS)
  - Apple Macintosh (Basilisk II)
    - Oregon Trail FTW!
    - Source code only
  - TI-92 Calculator (GP2X-TI92)
  - Commodore 64 (Frodo2X)

# THE FUTURE

- **Pandora**
  - Clamshell screen/keyboard layout
  - Can run Firefox and Quake 3
- **GP2X Wiz**
  - GPH's official successor
  - Same design as GP2X, but better hardware and Wifi capable (like Pandora)



## USEFUL LINKS

- **GP2X Wiki**
  - <http://wiki.gp2x.org/wiki/>
- **GP2X File Archive**
  - <http://archive.gp2x.de/cgi-bin/>
- **GP2X Official Site**
  - <http://www.gp2x.co.kr/>
- **GP2X Developer Community**
  - <http://dev.gp2x.com>

QUESTIONS?

