https://www.rockbox.org/

What is it?

- Open Source firmware for mp3 players
- Not Linux

Why use it?

- Supports over 30 audio codecs
- Equaliser
- Replaygain
- Custom themes
- Unicode support
- Plugins
- Current development
- Free

How do you install it?

- On well supported hardware:
  - Use Rockbox Utility (rbutil – in your repos)
  - Be sure to have a copy of the latest firmware
- On poorly supported hardware:
  - Install Bootloader & RTFM

- By default it allows you to dual boot original firmware and rockbox, rockbox being default

Live demo time!

"Productive" Stuff

- Can play back MPEG1 and MPEG2 video

- Must use mp3 audio with video

- ffmpeg -i input.mkv -s 128x64 \

  -vcodec mpeg2video -vb 300k -vf hue=s=0 \

  -acodec libmp3lame -ab 196k -ac 2 -ar 44100 \
  -sn output.mpg

- Doom 1 and Doom 2 pak files in .rockbox/doom/