

AVIO – Audio Video Input Output

**A highly interactive mixed media
processing suite**

Functionality

- Receive / Send MIDI
- Receive and route game controller data
- Mix and filter Video files and OpenCV streams
- Display on external screen or Matelight (16x40)
- Synthesize interactively with pyo
- Graphical live mixing interface
- HTML5 based configuration and semi-live GUI

Design

- HTML5 GUI is the same as live.linuxaudio.org ;)
- AngularJS based – very modular
- Backend is component/event based
- Written in Python 3

Demo time!

- Run all the software
- Connect Sixxaxis Z-axis accelerometer to Bitwig Studio Polysynth pitch modulator
- Connect other buttons(?!) to more modulators
- ?????
- Profit!!1 Fun!!11!!2

Checkout the repository:

`github.com/riot/avio`

Or send me a mail/jabber:

`riot@c-base.org`