MODEP with Pisound

Alternatives to the MOD Platform for Tinkerers
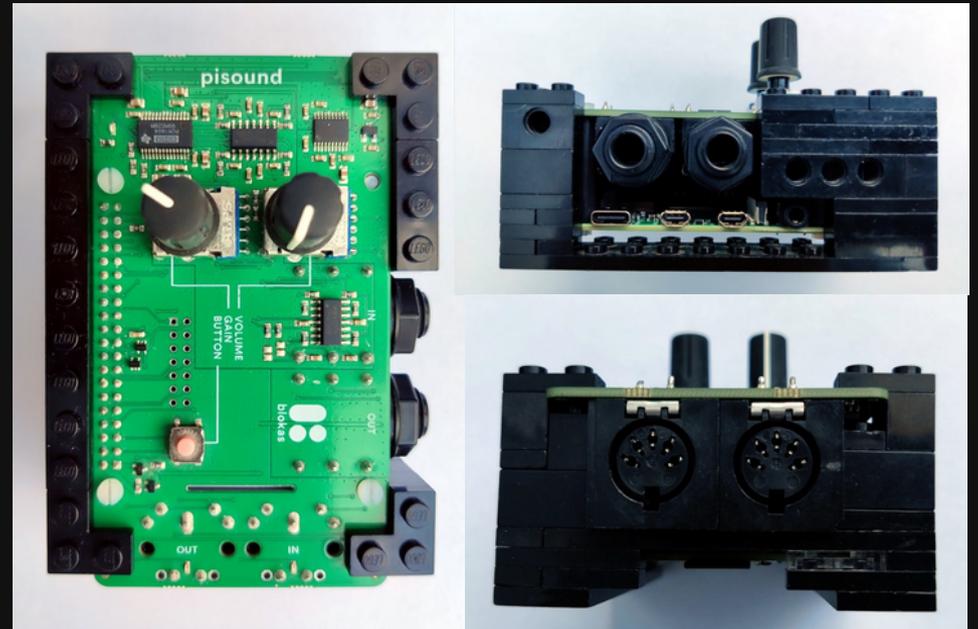
this.ven

Overview

1. Intro

- Guitarist since the age of 13 and GNU/Linux user by 2008

- Grown up with tube, solid-state, and modeling amps

- Used to pedalboards with analog and digital effects

- Started with the MOD Duo X

2. Pisound

- Ultra-low noise Op-Amps
- 24 Bit @ 48, 96, 192 kHz
- Gain & volume control knob with input clip LED
- ¼" (6.35mm) stereo jack audio input and output
- MIDI in/out (DIN-5)

https://blokas.io/pisound

3. Patchbox OS

- RT Kernel
- JACK setup
- amidiauto
- Wi-Fi AP
- Modules
  → MODEP

```
Linux patchbox 5.15.36-rt41-v7l+ #1 SMP PREEMPT_RT Mon May 9 12:16:02 EEST 2022 armv7l


  ___        _         _             _           ___ ___
 | _ \__ _ | |_  __| |_  | |__  ___ __ __  / _ \/ __|
 |  _/ _` || __|/ _| ' \| '_ \/ _ \\ V / | (_) \__ \
 |_|  \__,_|\__\__|_||_|.__/\___/_\_\  \___/|___/

Welcome! Here's some useful resources:

Patchbox OS Docs - https://blokas.io/patchbox-os/docs/
Pisound Docs     - https://blokas.io/pisound/docs/
Community Forum  - https://community.blokas.io/
Telemetry Info   - https://blokas.io/patchbox-os/docs/telemetry/

Run `patchbox` to customize. Run `startx` to start the graphical environment.

patch@patchbox:~ $
```
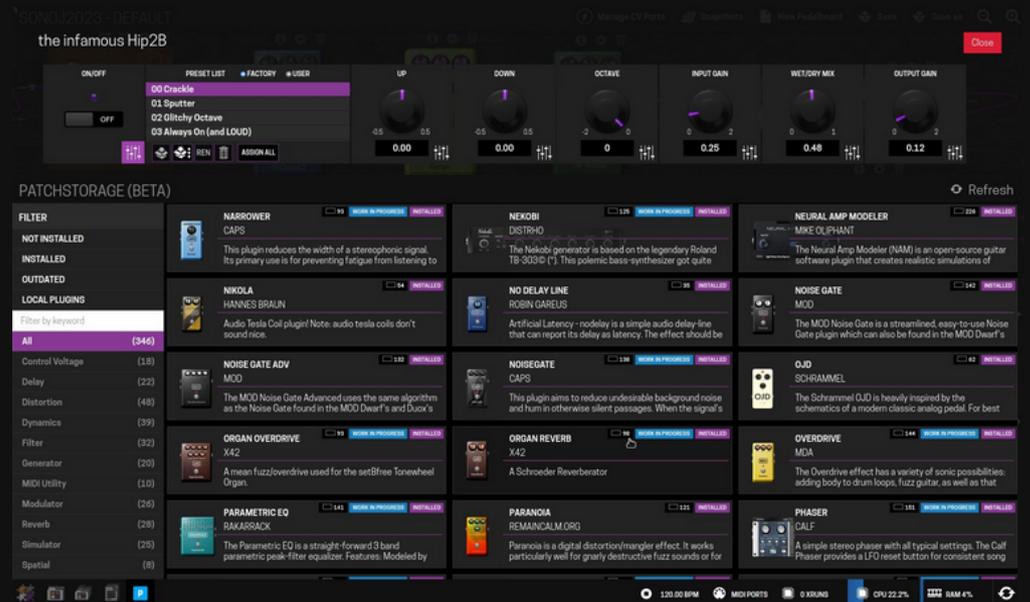
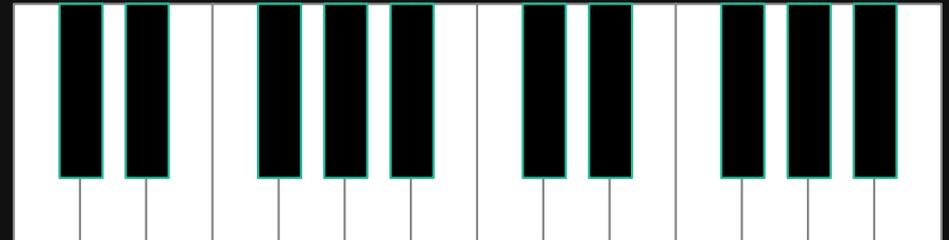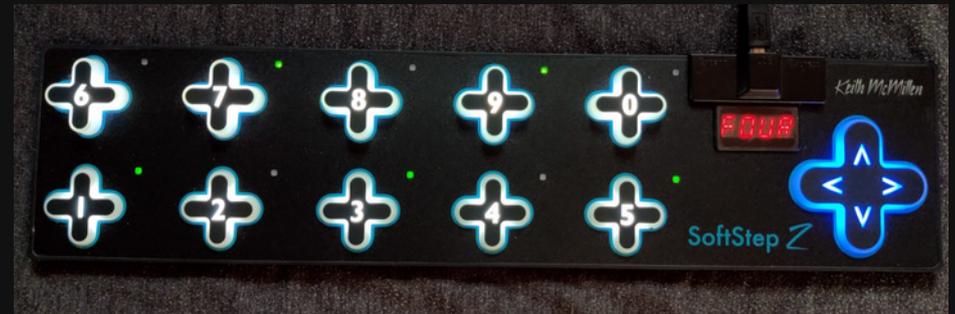https://blokas.io/patchbox-os

4. MODEP

- Virtual pedalboard for 300+ LV2 plugins

- Install plugins from the Patchstorage platform

- Map controls via MIDI

- Built using MOD-UI and MOD-Host projects

https://blokas.io/modep

5. Peripherals

- USB-MIDI Footswitch for live interaction
- Other USB-MIDI devices for keys, drums, etc.

this.ven – FLOSS musician, tinkerer and privacy advocate

6. Demo

<Virtual pedalboard interaction in the web browser>