About

PMEAS (Portable Multi-Effect Audio Software) is a modulation application for musicians. Its purpose is to be loaded on a tiny and affordable computer, such as a Raspberry Pi, and replace an expensive collection of hardware modulation effects pedals.

Benefits

- Easy to use and set up
- More precise functionality
- Open source
- Inexpensive
- Hardware independent

Portability

The PMEAS modulation application is separated from the user interface application. The purpose for this is so the user can control multiple Raspberry Pis from one user interface.

Why?

Music can be expensive. A quintessential tool for musicians, an average effects pedal can go for upwards of $90 and only offer 2 or 3 effects. The goal of PMEAS is to make musicianship more accessible by providing a low-cost, easy-to-use, easy-to-improve platform for music performance. Instead of buying several pedals at $100 each, you can buy one $35 raspberry pi, install PMEAS, and use the same audio equipment you’re used to.

Technologies

The technology stack of the system includes the following:
- Python
- C++
- PYO
- QT5/QML

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