

Audio Processing

Guitar Effects

Working Prototype

Known Problems Report

1. When running the program on the Raspberry Pi there is an issue with the MIDI signals that causes some of the effect patches to not work.
 - a. Effected Effects:
 - i. Phaser
 - ii. Vibrato.
 - b. To fix this issue make sure that the Pi is accessing the correct MIDI settings.
2. The distortion effect makes a loud screeching noise.
 - a. We were not able to find a fix for this issue.
3. Compressor is having issues with accepting inputs through inlet
 - a. Compressor originally used a UI for unit testing that involved abstraction which is causing problems with the abstraction of the main patch.
 - b. As a temporary fix, the UI has been introduced to compressor so it can be operated and be tested on its own without being part of the main patch and on the board.
4. Wah is not creating the wah wah effect when fully closed, instead silence. Is creating regular noise when fully open.
 - a. Issue may be that the queue is too big.