**The Audio Programmers**

**SERQET**

**Test Report**

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# Team Description

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| --- | --- |
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## 2 Identification

|  |  |
| --- | --- |
| **Software Revision Tested:** | Rev O |
| **Revision Release Date:** | Spring 2019 |

# 3 Test Results

The following section outlines the results after executing our test procedures.

## 3.1 Boot Test Results

Description: User clicked executable file and SERQET successfully initialized on screen with knobs and sliders set to default state

No Bugs Found.

## 3.2 MIDI Input Test Results

Description: User plugged in variety of MIDI devices before booting, and once launched, SERQET properly displayed drop down list showing names of plugged in devices. When the user selected a Midi device, the selection remained in the in input box, and application successfully used input from that device. When note played, amplitudes appeared in audio visualizer and sounds were produced. When user attempts to play notes concurrently, program successfully accepted 1 note at a time, overriding old notes.

No Bugs Found.

## 3.3 Tuning Test Results

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Description: User input SERQETS output to a tuner set at 440hz, and the tuner read back that the output was perfectly in tune.

No Bugs Found.

## 3.4 Waveform Parameter Test Results

Description: After selecting wave type, we listened to the output wave form to reference waveform for timbre differences. User adjusted volume slider and volume level adjusted in correspondence to slider.

No Bugs Found.

### 

## 3.5 Filter Parameter Test Results

Description: User modified filter cutoff and resonance while playing a note, and there was a frequency response and timbre change according to the filter type.

No Bugs Found.

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## 3.6 Reverb Parameter Test Results

Description: User modified reverb toggle to engage reverb effect. Reverb was engaged. User modified wet/dry slider and reverb level was adjusted according to slider value. User modified dampening slider and frequency response was adjusted according to slider value. User modified room size slider and reverb ambience was adjusted according to slider value.

No Bugs Found.

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## 3.7 Delay Parameter Test Results

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Description: User toggled delay and modified delay time. Delay was engaged and influenced by delay time. User modified wet/dry slider and delay level was adjusted according to slider value. User modified delay time and the delay effect increased/decreased speed as expected. User changed feedback rate to 0.0 and there was only one delay repetition. User increased feedback rate and the delayed sound increasingly fed back into this effect, creating further repeats.

No Bugs Found.