

Project 2 Description

Zach Neveu

February 6, 2020

The basic idea of my project was to create a looper that incorporates 4 voices of pitch shift without time stretching. The idea for this setup is to be able to create harmonies from recorded loops, allowing for a huge space of potential ways to re-imagine a melody. The majority of my time was spent figuring out pure data basics, and understanding the concepts behind tape-wheel style pitch shifting.

Circuit

The circuit diagram is shown in fig. 1. The basic components are quite simple: 4 potentiometers connected to analog inputs, and one push button connected to a digital input.

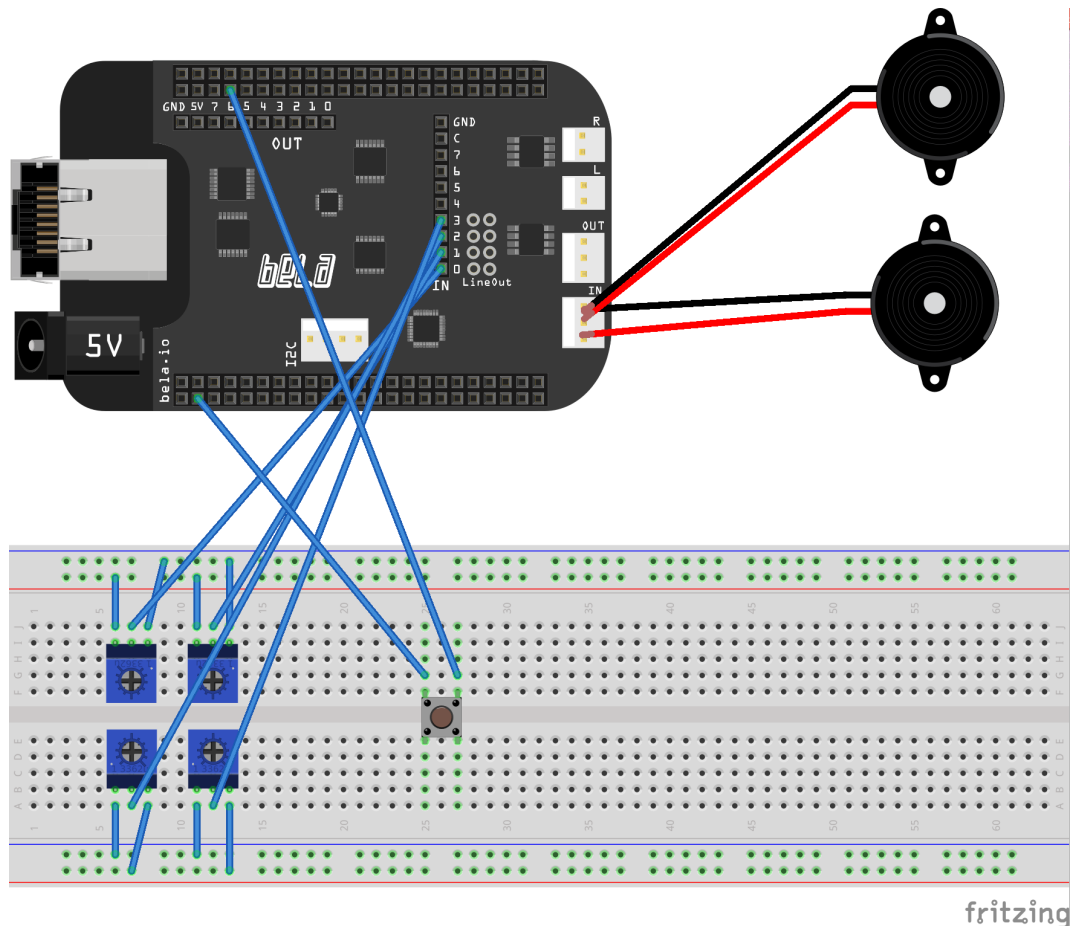


Figure 1: Fritzing Breadboard Model of Circuit

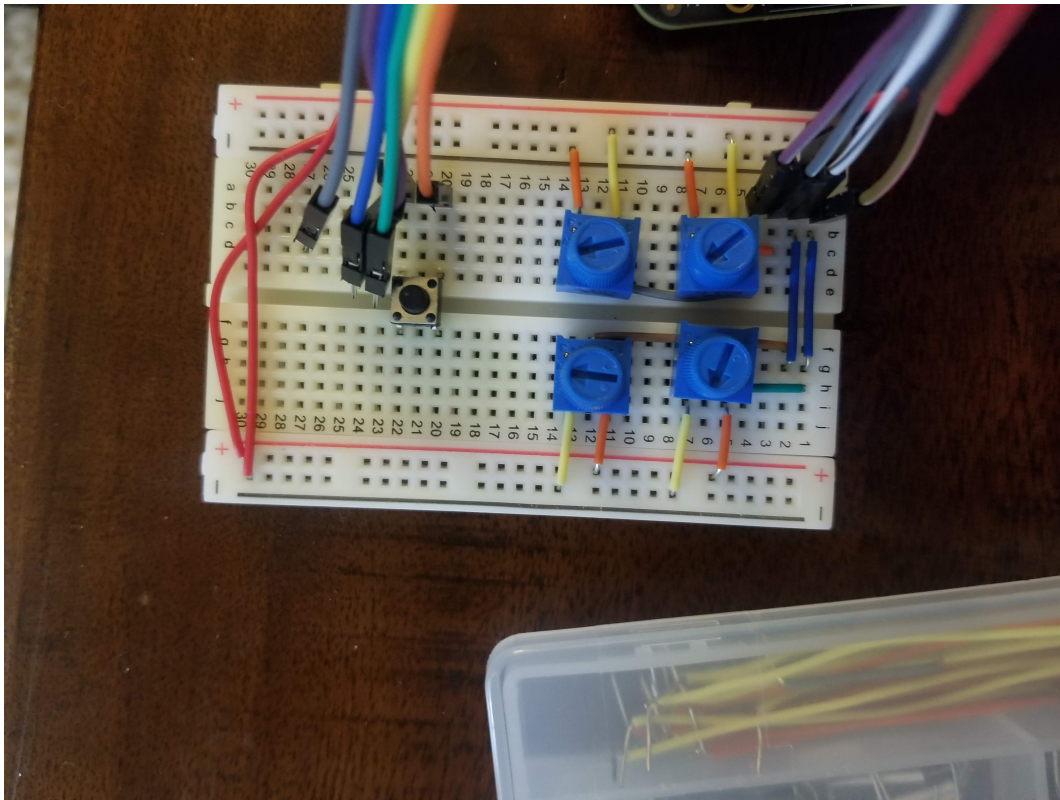


Figure 2: Picture of Breadboard Circuit