

Capstone Project Milestone

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Project Title: MIDI CONTROLLER

Date: 02/18/24

Updates on hardware research / Tasks Achieved:

My focus for this project was to research and find potential hardware we could utilize.

Recommended Dimensions (in): 8" H x 14" W x 8.75" D

Currently, I am in search of a case to enclose our circuit board in.

A good reference suggested by my group members is the Mesa boogie mark 25.

<https://www.stevesmusic.com/en/product/mesa-boogie-mark-v-25-head-2-mm-bb-51758.html>



Reference images of the Mesa boogie mark 25.

Hurdles:

So far, we've tried our best to keep it as cost effective as possible.

We are aware that the market for MIDI controllers is generally not cheap, so when looking for components, we considered the best "bang for buck" in a sense so that we're not only saving money, but not compromising performance as well.

Formulated ideas and potential direction changes:

As of right now, we have created the circuit of the MIDI controller on a breadboard with the need of a case to enclose our circuit in.

Initially, my plan was to find a family/friend who would happen to own an old and unused one lying around, but that has proven difficult.

Another potential idea was to find a broken amplifier and remove the interior hardware parts and then use the empty shell for our MIDI controller project.

Next Steps

Find the right case for our MIDI controller

Testing and troubleshooting to see and demonstrate functionality for our MIDI controller.

Project Plan Status to Date

As stated in the Formulated Ideas, we have already obtained the essential components and created a circuit on a breadboard for the MIDI controller.