

# Proposal

## Group

- Alejandro Alvarez Porras
- Amritpal Singh
- Hee Jung Lee
- Simranjeet Kaur Garcha
- Om Mukeshkumar Gor

## The Idea

Create a device that is able to be used in live performances or while working on a DAW (Digital Audio Interface) to control an element like an EQ. The device would be able to set values based on its position and orientation. This would be done by using MIDI as the interface.

## Inputs

Gyroscope and capacitive buttons.

## Outputs

Bluetooth signal

## Target Audience

Music Composers, Music Module enthusiasts, Coders

## Microbit Functionality

- Add a MIDI library to Make Code
- Connect via Bluetooth to a DAW as a midi device
- Use capacitive buttons to change settings of the Micro Bit
- Move Micro Bit to create desired sounds.
- Once connected the Microbit works as an interface to automate controls in the DAW.
- EQ Filters, and volume are some examples.