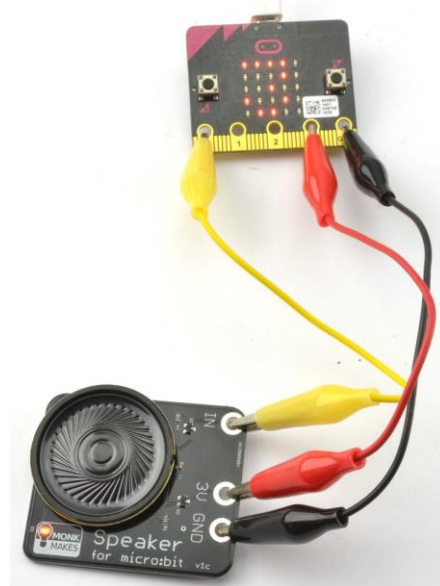# Speaker for micro:bit /MNK00060

The MonkMakes Speaker for micro:bit is a neat little amplified speaker that connects to your micro:bit using alligator clips.
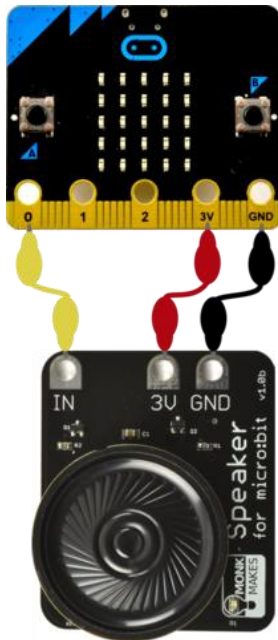
Features

- Amplified output
- LED 'power on' indicator
- Reverse polarity protection

Getting Started

Connecting to your micro:bit

Connect the Speaker to the micro:bit as shown below. When attaching the alligator clips to the micro:bit, make sure that the clips are perpendicular to the board so that they are not touching any of the neighbouring connectors on the micro:Bit edge connector.

HEX File

The quickest way to try out your speaker is to DOWNLOAD THIS HEX FILE and then copy it onto your micro:bit. Press Button A to hear a tune being played.

JavaScript Blocks Editor

Visit the Blocks Editor in your browser and then from the *input* section add an *on button A pressed* block then from the *music* section add a *start melody* block and select the tune you want to play (in this case, *entertainer*).

Click Download and then copy the file onto your micro:bit.

You can also open the project in the Blocks Editor by clicking on the image below.

You can also make a simple musical instrument, using
this tutorial: https://makecode.microbit.org/projects/hack-your-headphones/code

MicroPython

Paste the following code into the Python window and then Download the file and copy
it onto your your micro:bit

```
from microbit import *
import music

while True:
    if button_a.was_pressed():
        music.play(music.ENTERTAINER)
```

When you press button A you will hear the tune "The Entertainer" play through the
speaker.