

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 <u>DOWNLOAD THIS HEX FILE</u> and then copy it onto your micro:bit. Press Button A to hear a tune being played.

JavaScript Blocks Editor

Visit the <u>Blocks Editor</u> 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: <u>https://makecode.microbit.org/projects/hack-your-headphones/code</u>

MicroPython

Paste the following code into the <u>Python window</u> 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.