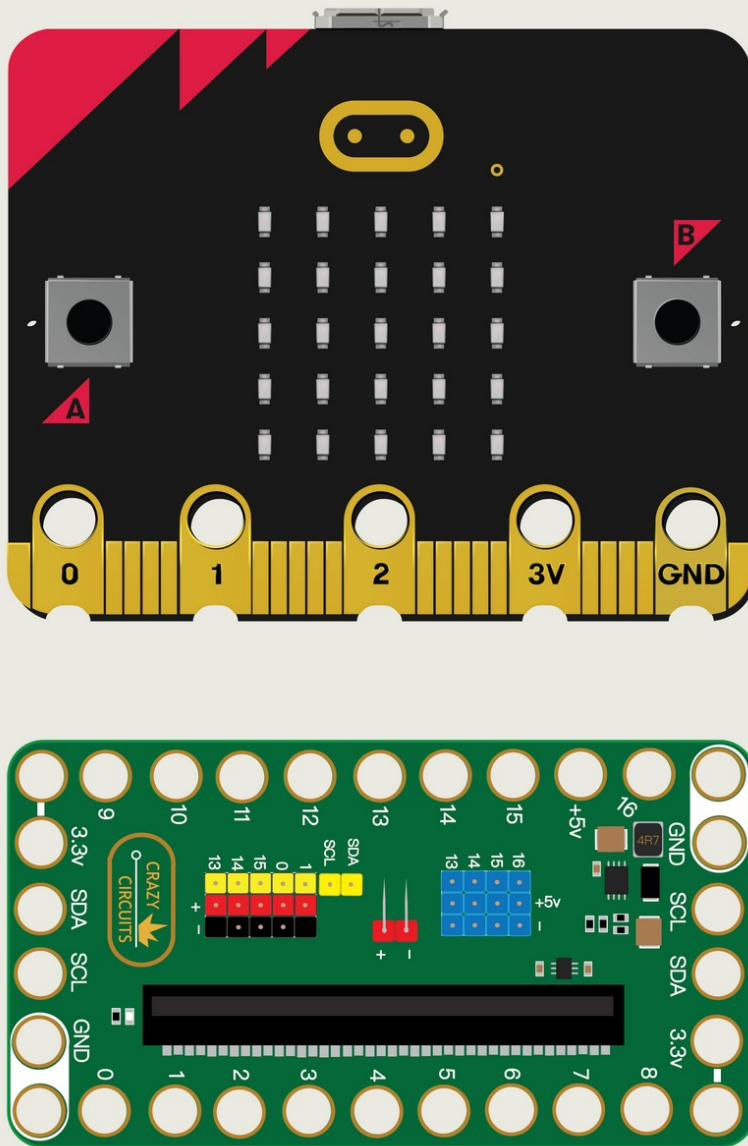




CH10-A - Press A & B

Use the two built-in buttons found on the micro:bit

Written By: Pete Prodoehl



INTRODUCTION

Use the two built-in buttons found on the micro:bit

Take advantage of the built-in buttons found on the front of every micro:bit board.



TOOLS:

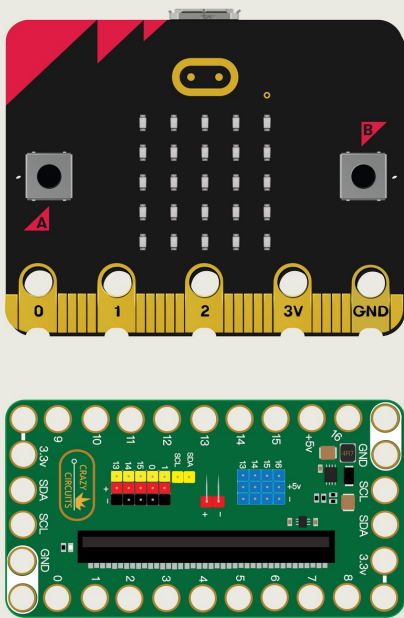
- [Computer](#) (1)



PARTS:

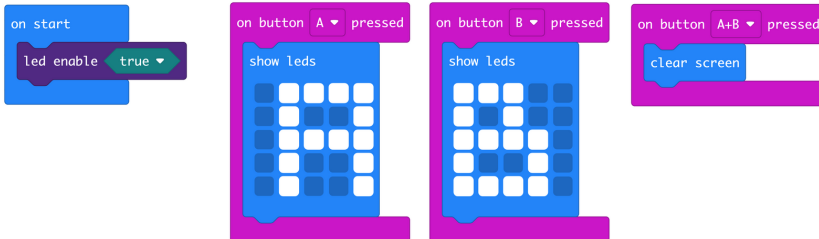
- [Crazy Circuits Bit Board](#) (1)
- [micro:bit](#) (1)

Step 1 — Prepare the micro:bit



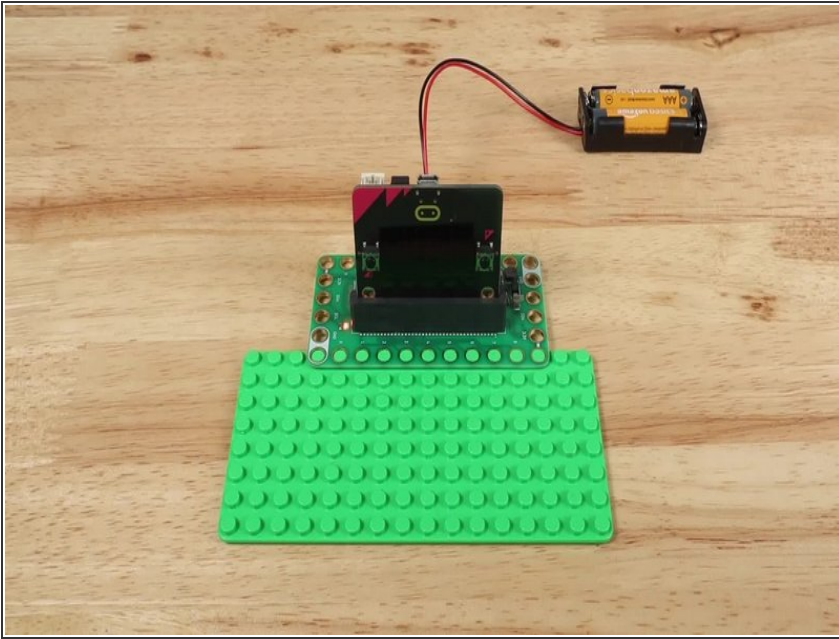
- For this guide we won't need Maker Tape or any components. We're just going to put the micro:bit into the Bit Board.
- We're only going to connect a USB cable and use the built-in A & B buttons on the front of the micro:bit
- ☑ We'll use the LED Matrix found on the front of the micro:bit as well, to react to our button presses.

Step 2 — Load the Code



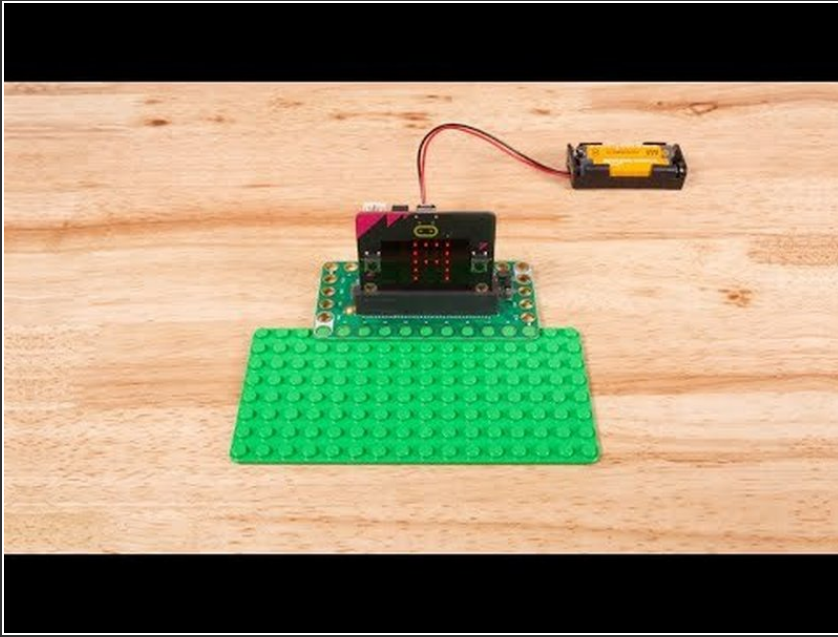
- If you've never used a micro:bit before you'll want to check out this guide: [Bit Board V2 Setup and Use](https://makecode.microbit.org/_TFcFteE9...)
- We're going to load the following code for our **Press A & B** program: https://makecode.microbit.org/_TFcFteE9...
- Notice this code does not have a forever loop! Instead it uses **event handlers** to react to specific input, in this case, pressing a button.

Step 3 — Test it Out!



- Once the code is loaded it should start running immediately.
- ❗ You can power the micro:bit via the USB cable you used to load the code or you can use a battery pack plugged into the Bit Board.
- When the code starts it will look like nothing has happened...
- Press the **A Button** to see an "**A**" on the LED Matrix.
- Press the **B Button** to see a "**B**" on the LED Matrix.
- Now *press and release* both **A** and **B** buttons *at the same time* and the LED Matrix should clear and show nothing again.

Step 4 — Follow Along



- Follow along with our recorded Live Stream!

- ① You can watch the full video of us walking through this project, along with explaining and exploring the code:

<https://youtube.com/live/1WLUYItIS TY>