



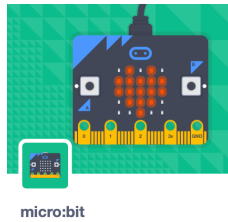
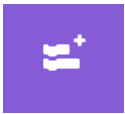
# Mood Button

Register/login at <https://scratch.mit.edu>


*Display emoji on the micro:bit using the buttons.*



- 1) Create a new Scratch project and add the **micro:bit** extension. The “Add Extension” button is at the bottom-left.





- 2) Plug the micro:bit into the PC with the USB cable.

- 3) Click on the new  blocks section. If you see  at the top you have to connect the micro:bit.

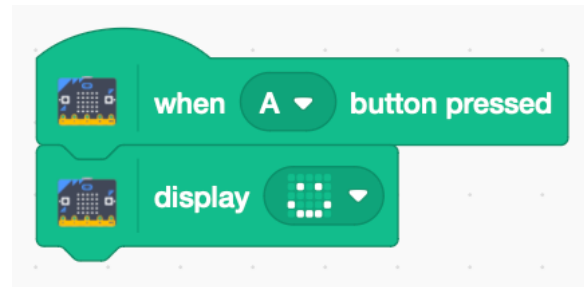
- 4) Click on  to **Connect** the micro:bit:



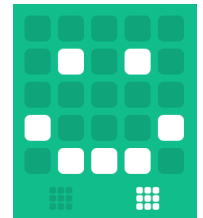
- 5) Once it connects, click  to get back, and you should now see a  at the top.

*The micro:bit has two buttons, A & B. Display a happy face if you press button A, and a sad face for button B.*

6) Add the following code. Click on the drop-down menu to choose the button.

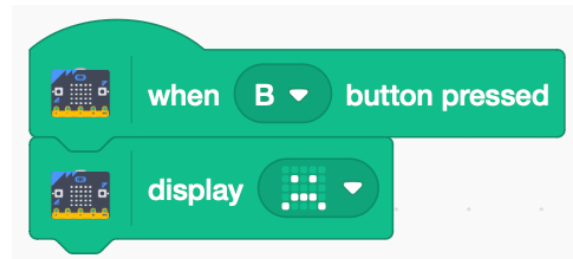


7) Click on the drop-down in the display block to open the graphic editor. Draw a smiley face.



8) The code is automatically downloaded to the micro:bit. Try pressing **button A**.

9) Duplicate the code. Change the copy to use button B, and edit the graphic to show a sad face.



***Save** your code with a good name.*

***File > Save now***

### **Preparation**

1) You need the micro:bit and a USB to USB-micro cable.

2) Install **Scratch Link** so Scratch can talk to the micro:bit.

<https://scratch.mit.edu/microbit>

3) If Scratch Link is not already running (eg. after a reboot) search for and run the app. It appears on the menu bar.

4) Connect the micro:bit to the PC, with the USB cable. The micro:bit appears as a new drive (typically D: on a PC, or MICROBIT on a mac).

5) Download micro:bit HEX from the address above, and drag it to the micro:bit drive.