

Data-Logging with Microbit (P2)

Your code should be ready for testing, but you need to set up a few things first. You should be using Chrome or the App as this does not work in other browsers for now.

Connect your Microbit to the computer with the USB cable.

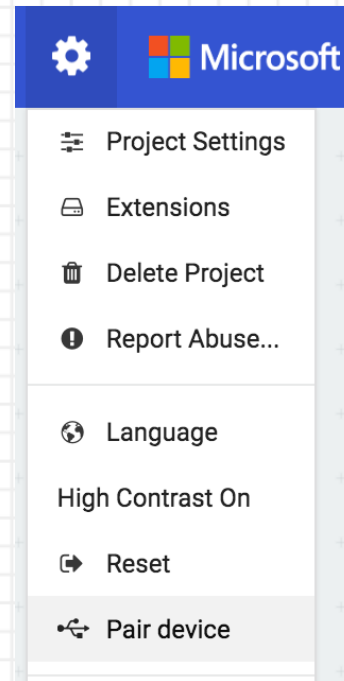
Select the preference wheel in the blue menu (top right).

Select Pair device and follow the instructions.

This allows 2 things.

- 1) You can download your code directly to the microbit (no drag and drop from the desktop)
- 2) When it is time to upload the data to your computer it will work.

Download your code to the Microbit.



When you now press A, a Show console device button appears under your simulator.

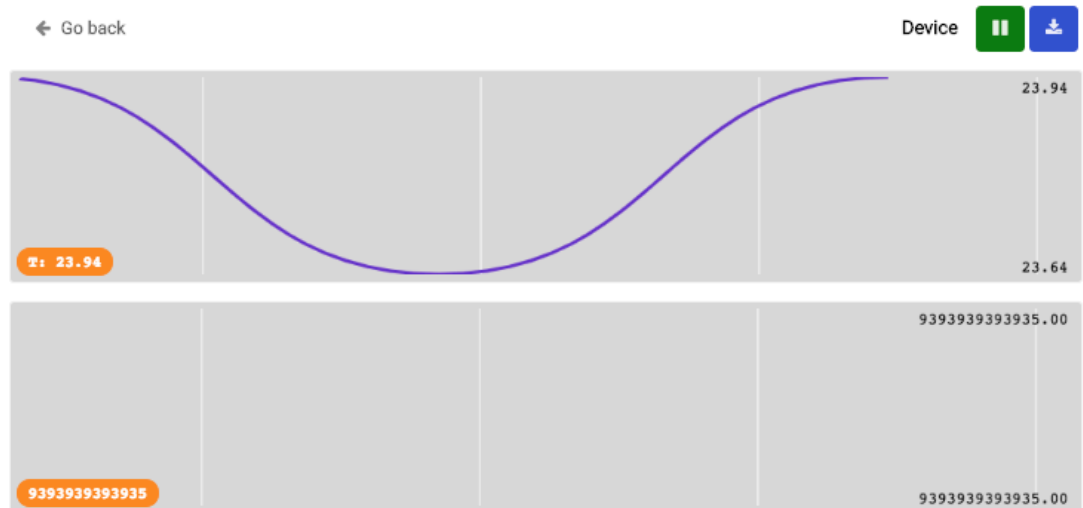


Click on it and you can see the data as it comes in.

When you have collected enough data press B on the Microbit and the green pause button on the console.

Click the blue download button to save a csv file of the data onto your computer.

You can use this file in Excel or Geogebra.



You can also test your code before downloading it to the Microbit by pressing the A button of the simulator. Slide your mouse up or down the pin 1 icon to simulate data. You will notice a Show console simulator button for visualizing that data.

Data collection can be done with any sensor that generates an analog output. Can you adapt this code for other sensors and purposes?