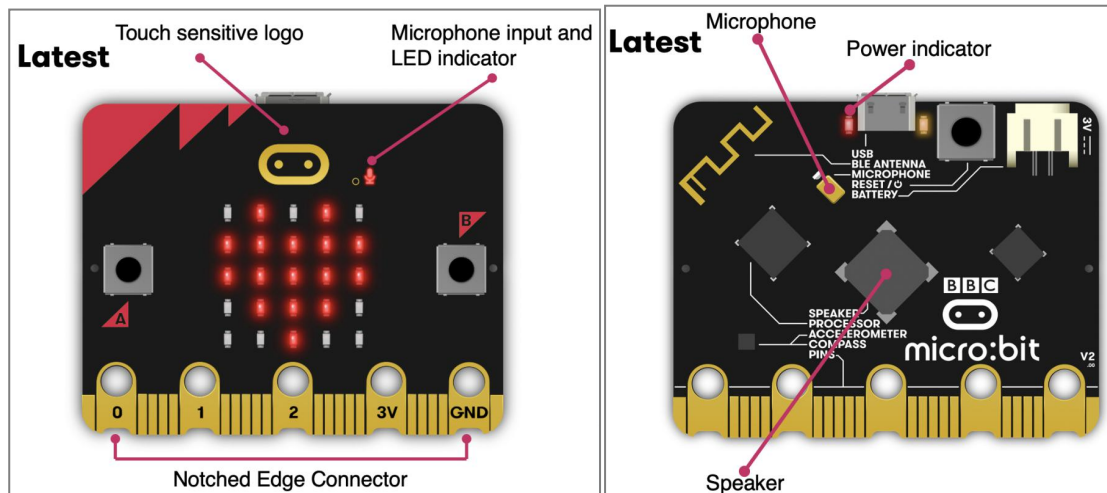


Detect sound

1. Learning goals

In this lesson, we will learn to use the micro:bit on board microphone. According to the detected sound intensity, different patterns of high and low are displayed on the dot matrix.



2. Mode 1 online programming:

First, we need to connect the micro:bit to the computer by USB cable. The computer will pop up a USB flash drive and click on the URL <http://microbit.org/> in the USB flash drive to enter the programming interface to start program.

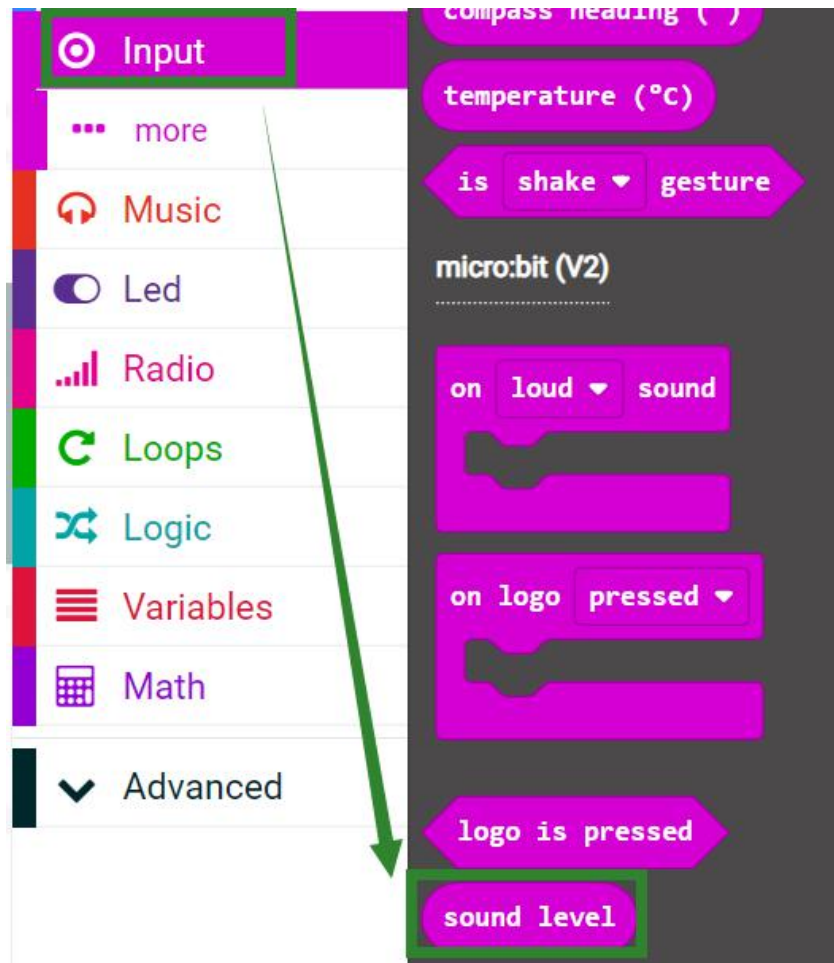
Mode 2 offline programming:

We need to open the offline programming software. After the installation is complete, enter the programming interface, click **【New Project】**, you can start program.

3. Looking for blocks

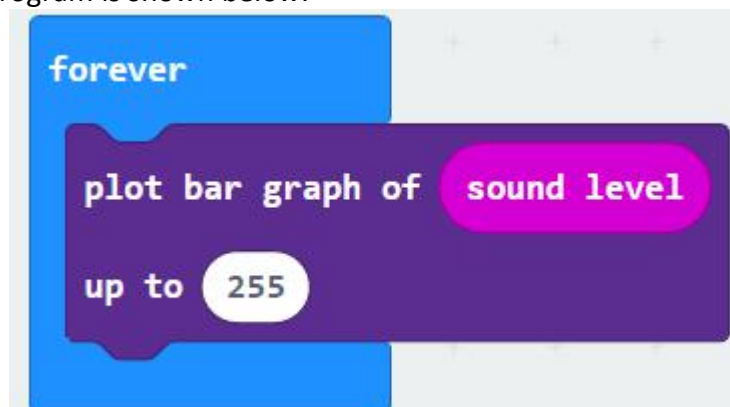
The following is the location of the building blocks required for this programming.





4.Combine block

The summary program is shown below.



5.Experimental phenomena

After connecting the computer to the micro:bit board via the micro USB data cable. Click download or save on the programming interface, and the program can be successfully downloaded to the Micro:bit board.

According to the detected sound intensity, different patterns of high and low are displayed on the dot matrix. As shown below.

