

Music Fan

1.Learning goals

In this lesson, we mainly learn how to control motor by micro:bit and Super:bit expansion board.

2.Programming method

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 in the USB flash drive: http://microbit.org/ to enter the programming interface. Add the Yahboom package

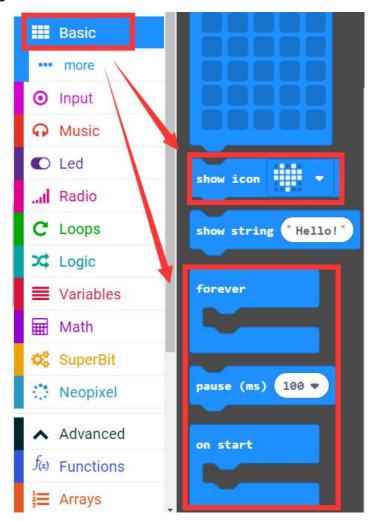
https://github.com/lzty634158/SuperBit to program.

Mode 2 offline programming: We need to open the offline programming software. After the installation is complete, enter the programming interface, click 【New Project】, add Yahboom package:

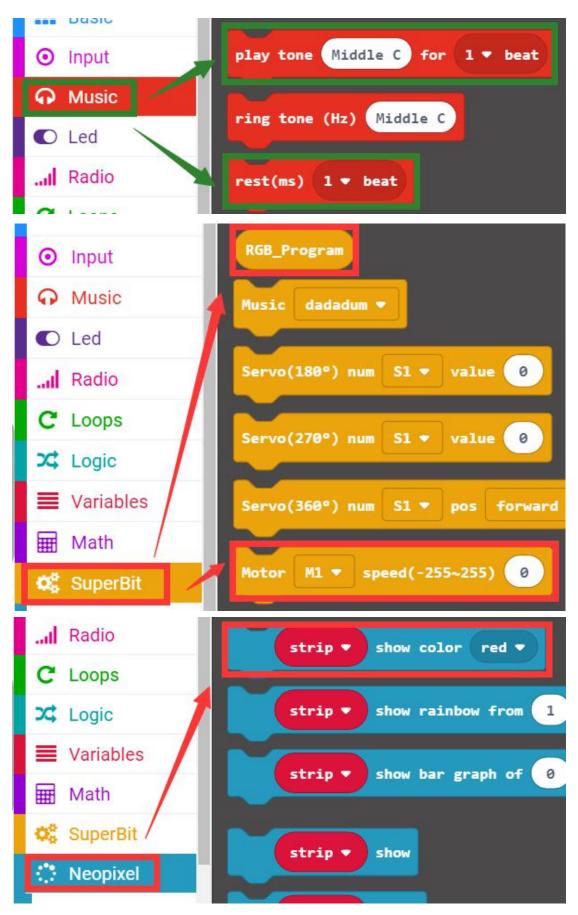
https://github.com/lzty634158/SuperBit, you can program.

3.Looking for blocks

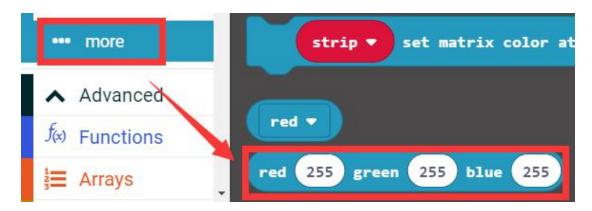
The following is the location of the building blocks required for this programming.











4.Combine building block

For details of the program, please import the microbit-Music-Ferris-wheel.hex file into the MakeCode editor for viewing.

5.Assembly steps

Please refer to the Ferris wheel assembly steps folder in the Assembly instructions folder for building blocks assembly steps.

6.About wiring

We need to connect two building block motors to the M1 interfaces of the Super:bit expansion board.

7. Experimental phenomena

After the program is successfully downloaded, the micro:bit dot matrix will show love and play "Birthday"; the building block motor will rotate forward, the speed is 255.

If you need to restart, please press the reset button on the micro: bit board.