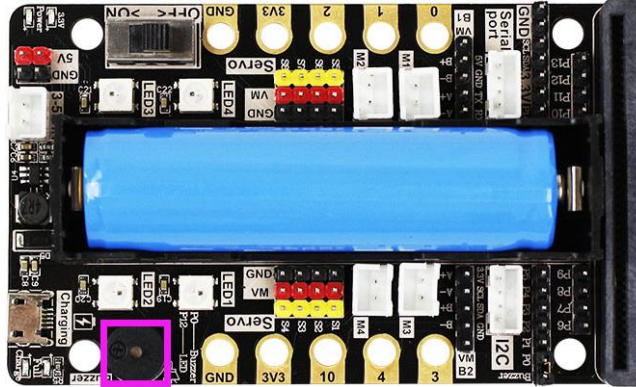


Buzzer play music

1. Learning goals

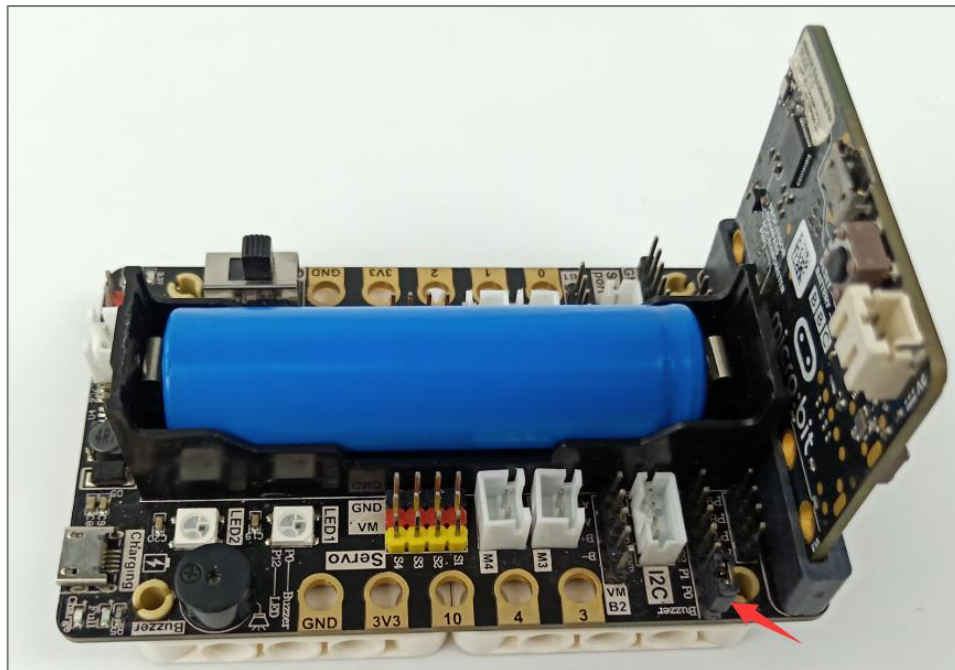
In this course, we mainly learn how to drive the buzzer on the superbit expansion board through MakeCode graphical programming.

The buzzer is located on the expansion board as shown in the figure below.



Tip:

Before this experiment, we need to connect the jumper cap to the P0 and Buzzer pins on the Super: bit expansion board, as shown below.



2. Programming method

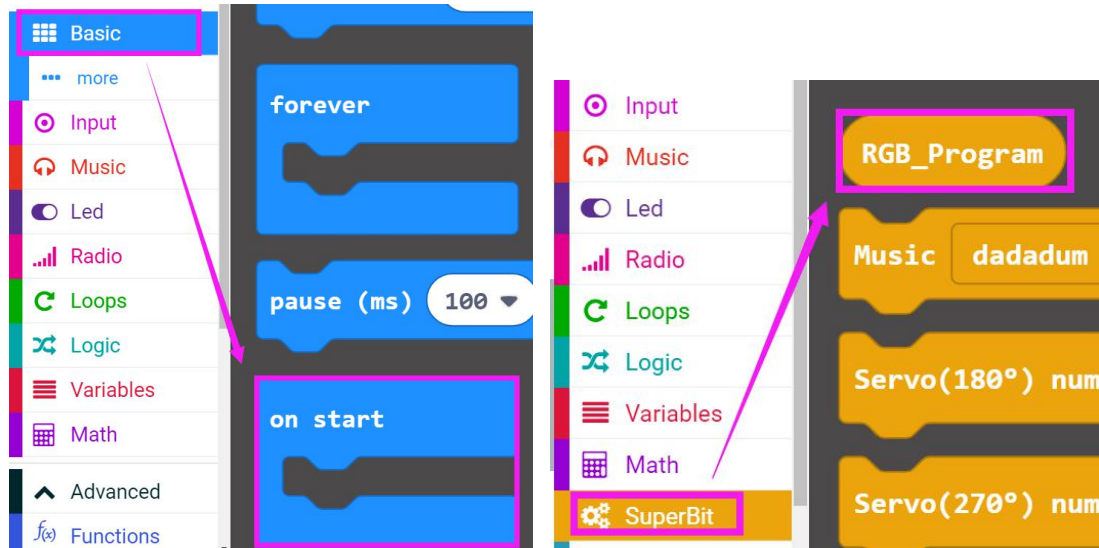
Mode 1 online programming: First, we need to connect the micro:bit to the computer by USB cable. The computer will pop up a USB flash drive and click on the URL in the USB flash drive: <http://microbit.org/> to enter the programming interface. Add the Yahboom package <https://github.com/Izty634158/SuperBit> 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.

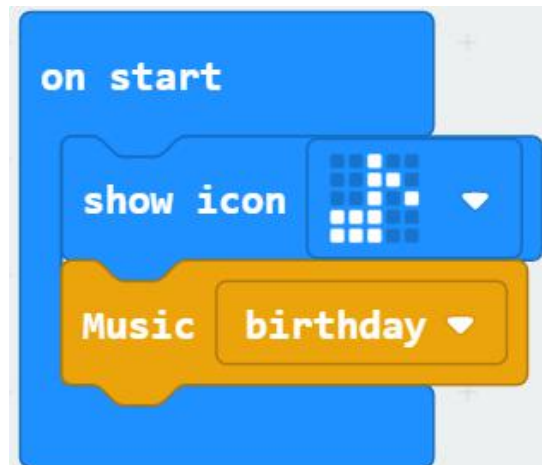
3.Looking for blocks

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



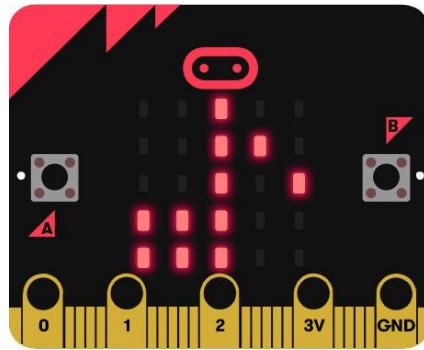
4.Combine block

The summary program is shown below.



5.Experimental phenomena

After the program is successfully downloaded, the micro: bit dot matrix will display the music pattern, as shown below. At the same time, we can hear the buzzer playing "Birthday Song".



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