Micro:bit Handle Control

In this lesson we will learn to use the Handle to remotely control the building block Ferris wheel.

1. 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.

2. About Ferris wheel code:

Please refer to the **Ferris_wheel_code** file of this experiment.
Please refer to the **Handle_code** file of this experiment.

3. Steps:

3.1 Handle rocker control

First, we need to download the **microbit-Ferris-wheel-code.hex** to micro:bit of Ferris wheel, you can see that the micro:bit dot matrix shows an pattern as shown in Figure 1.1.

we need to download the **microbit-Handle_rocker_control.hex** to micro:bit of Handle, you can see that the micro:bit dot matrix shows an “heart” as shown in Figure 1.2.

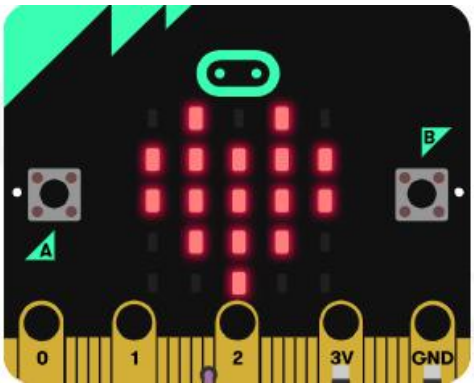


Figure 1.1

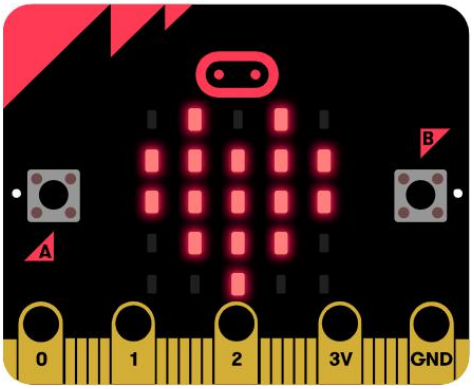
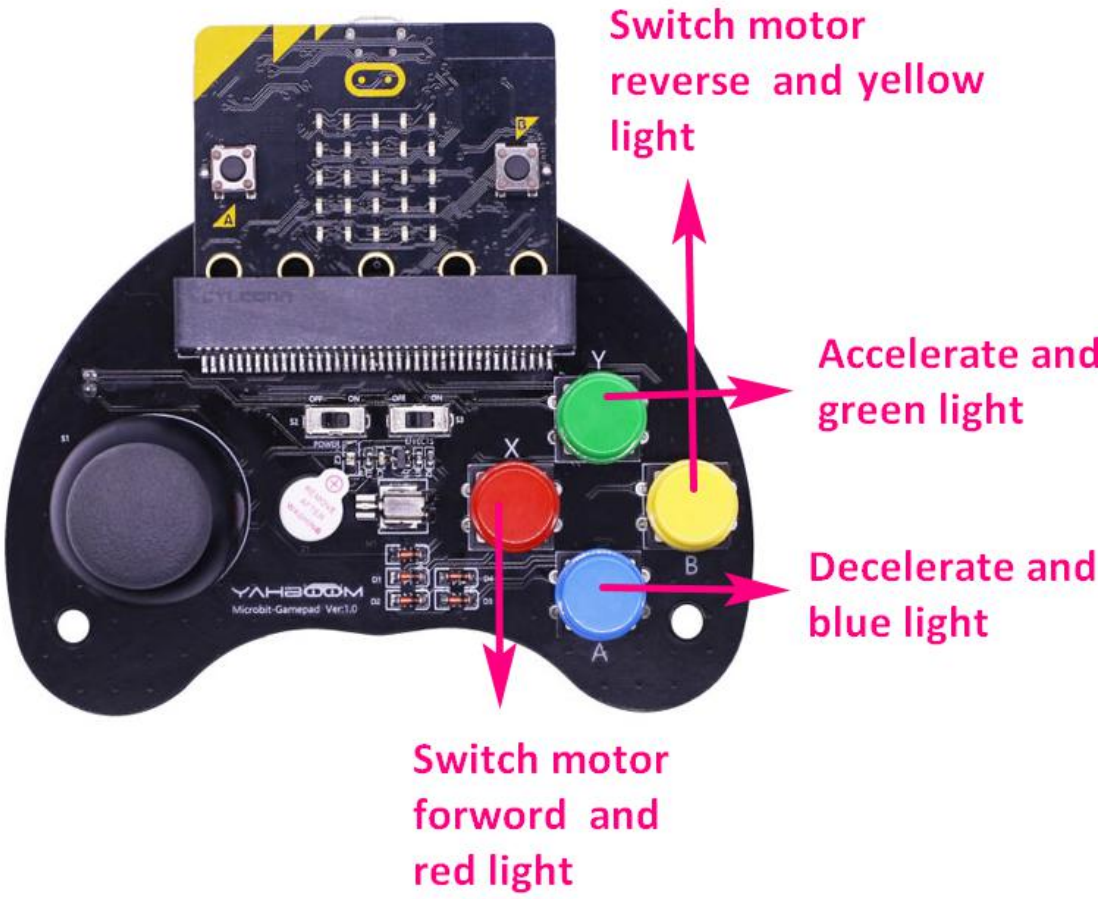


Figure 1.2

Then, open the micro:bit handle. After the handle is connected with the micro:bit building block Ferris wheel, you can use the button to control the forward, reserve, accelerate, decelerate and switch the Color of RGB light.



Note: The speed of motor will become 0 when direction is switched.