

## Robot with clip handle remote control

In this lesson we will learn to use the Handle to remotely control the building blocks Robot with clip.

### 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 Pretty car code:

Please refer to the [Handle code](#) file of this experiment.

Please refer to the [Robot with clip code](#) file of this experiment.

### 3. Steps:

#### 3.1 Handle rocker control

First, we need to download the

[microbit-Robot-with-clip-handle-remote-control.hex](#)

to micro:bit of Pretty car, 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.

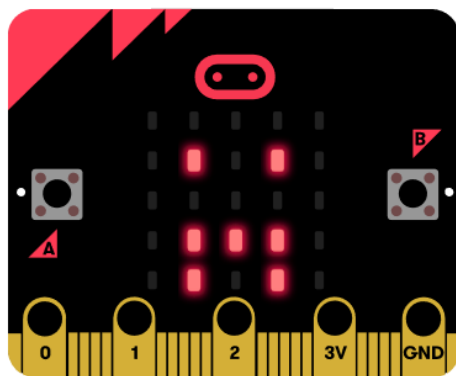


Figure 1.1

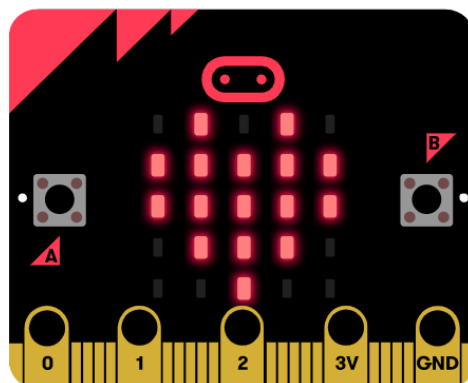


Figure 1.2

Then, open the micro:bit handle. After the handle is connected with the micro:bit building block Pretty car, you can use the joystick to control the forward, backward, turn left, and turn right .

And use the handle button to switch the Color of RGB light. Press the rocker to

turn off the RGB light.

### 3.2 Handle gravity control

First, we need to download the

[microbit-Robot-with-clip-handle-remote-control.hex](#) to micro:bit of Pretty car, you can see that the micro:bit dot matrix shows an pattern as shown in Figure 1.3.

we need to download the [microbit-Handle-gravity-control.hex](#) to micro:bit of Handle, you can see that the micro:bit dot matrix shows an “heart” as shown in Figure 1.4.

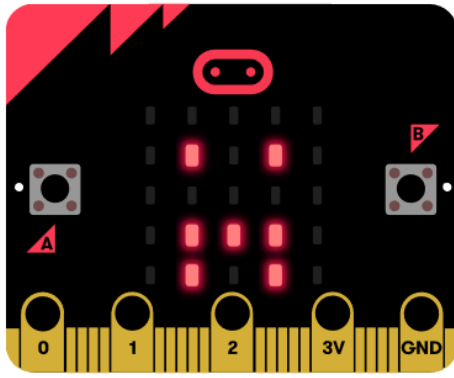


Figure 1.3

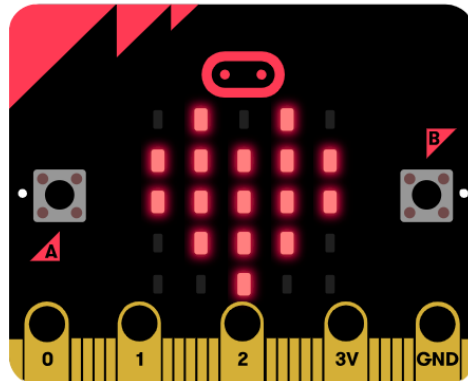


Figure 1.4

Then, open the micro:bit handle. After the handle is connected with the micro:bit building block Pretty car, you can shake handle to control the forward, backward, turn left, and turn right .

And use the handle button to switch the Color of RGB light. Press the rocker to turn off the RGB light.

**Press the rocker to turn off the RGB light.**

