

1. 下載 mBot 程式 <http://www.mblock.cc/software/>

mBlock Home Create Download Educator Support English



mBlock 5 for PC

A tool for coding designed for STEAM education
Neuron/Codey Rocky/
mBot/Ranger/micro:bit

Beta 4
Latest OSX recommended/Win7 and above
[Beta 3](#) [Previous Versions](#) [Release Logs](#)

[Online Trial](#) [Windows](#) [Mac OS](#)



mBlock 3 for PC

The perfect combination of Scratch and Arduino
Hardware:
mBot/Ranger/Ultimate2.0/Arduino
V3.4

Latest OSX recommended/Win7 and above/
WinXP/Chrome OS/Linux
[Previous Versions](#) [Release Logs](#)

[Online Trial](#) [WinXP](#) [Win7 and above](#) [Chrome OS](#) [Mac OS](#) [Linux](#)

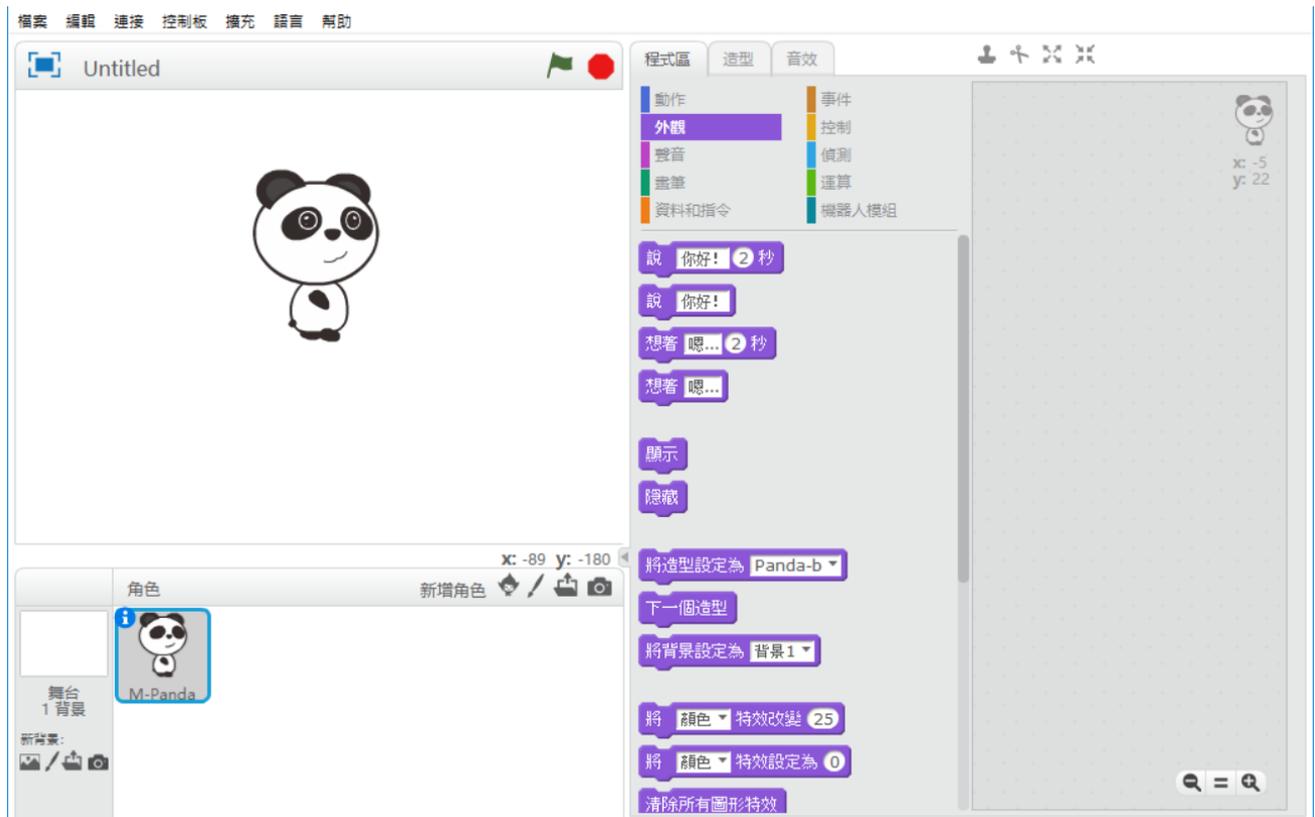
下載後，逕行安裝，如果你用 mBlock，安裝 3 或 5 都可以，用程小奔，只能安裝 5。

5.0 畫面



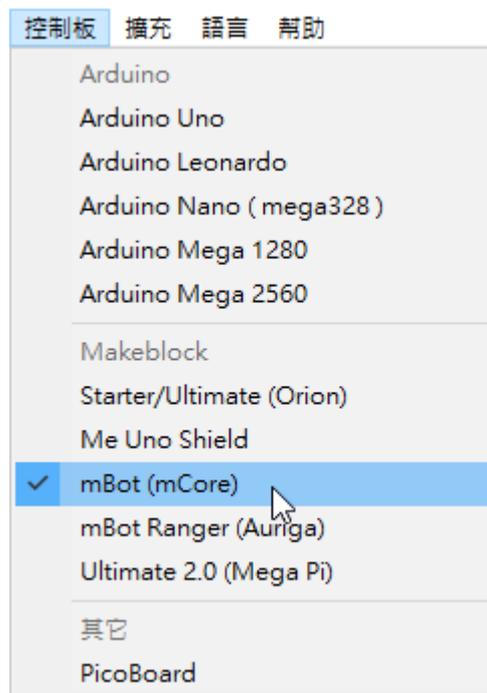
The screenshot shows the mBlock software interface. The top bar includes a back arrow, the title "无标题", a save icon, and the text "积木" (Blocks) and "100% +". The main workspace is divided into three sections: a character area on the left with a panda icon, a block palette in the middle, and a code editor on the right. The block palette lists various categories like "显示" (Display), "灯光" (Light), "播放" (Play), "运动" (Motion), "感知" (Sensing), "事件" (Events), "控制" (Control), "运算" (Math), "变量" (Variables), "自制积木" (Custom Blocks), and "红外通讯" (Infrared Communication). The code editor contains a sequence of blocks: "显示图案" (Show Pattern) with a duration of 1 second, "显示图案" (Show Pattern), "显示图案" (Show Pattern) at coordinates (0, 0), "显示 hello 直到结束" (Show hello until end), "熄灭屏幕" (Turn off screen), "点亮x: 0 y: 0" (Turn on LED at x: 0, y: 0), "熄灭x: 0 y: 0" (Turn off LED at x: 0, y: 0), "切换点亮与熄灭x: 0 y: 0" (Toggle LED at x: 0, y: 0), and "x: 0 y: 0 是否点亮?" (Is LED at x: 0, y: 0 lit?).

3.x 的畫面



(以下用 3.x 版示範)

2.裝好，觀察是否已選正確硬體 mBot



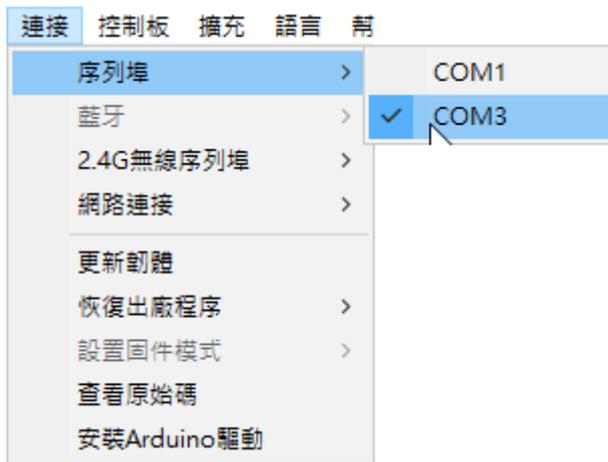
3.安裝驅動程式，電腦僅需安裝一次



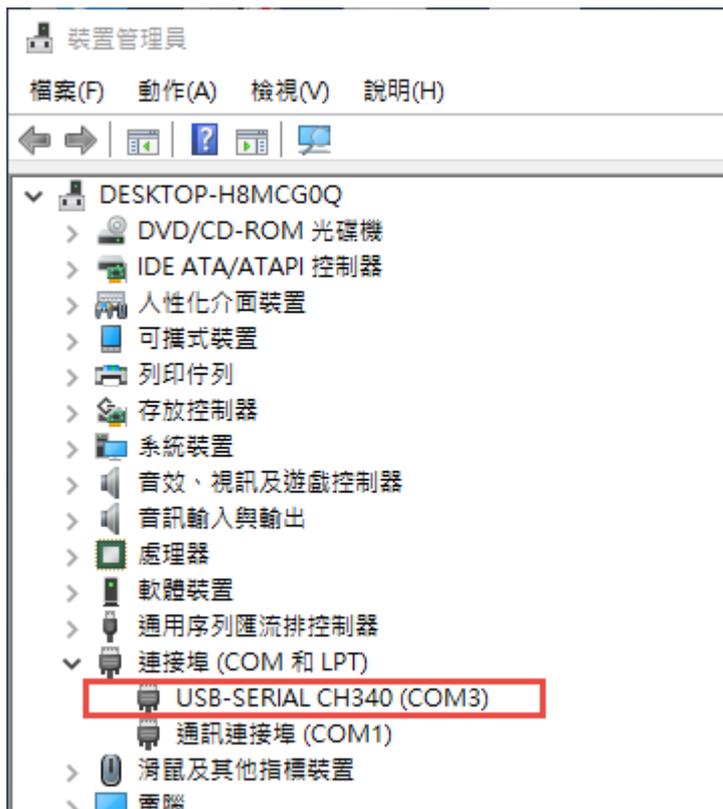
4.選擇連接埠，電源記得打開

先用 USB 線連接，選 com 幾都可以

勾好，回頭再看一次，程式螢幕右上端，是否顯示【已連接】



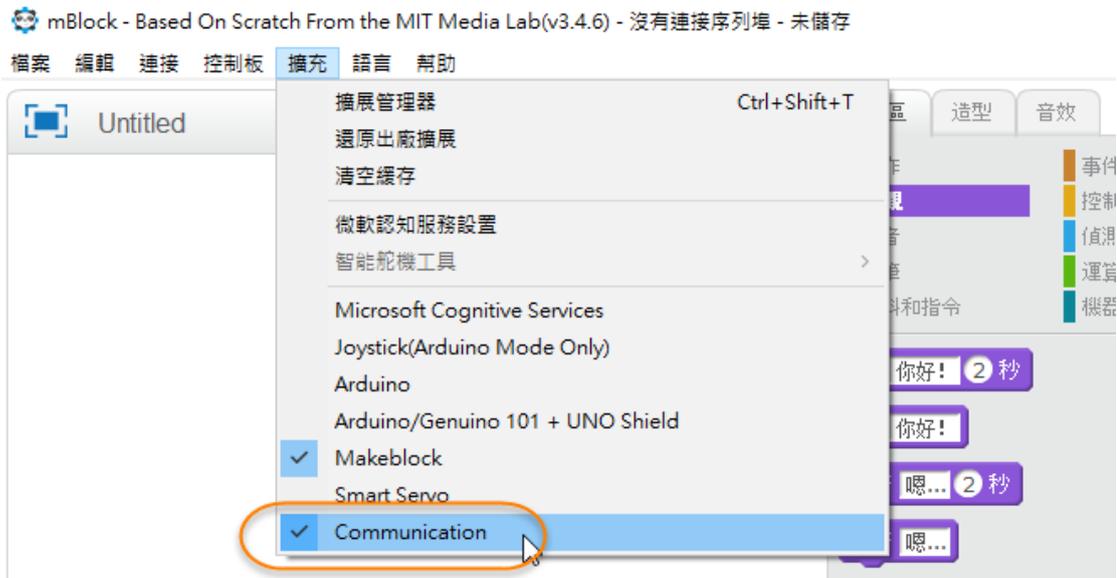
可以檢測控制台的【裝置管理員】



- 5.更新韌體 (若出現，才要做更新，沒出現就不用)
更新完，注意聽 Be 一聲



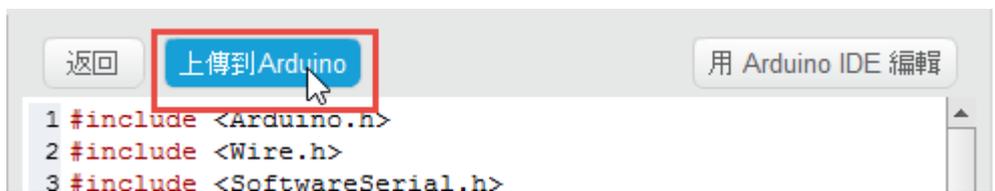
連接擴充通訊



6.寫測試程式(或打開專案 01a 測試超音波感應器.sb2)

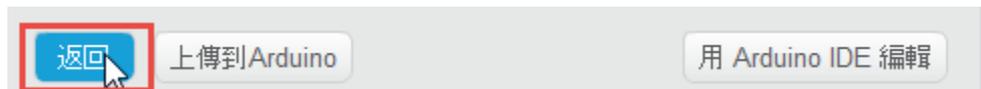


右邊出現 IDE 編輯畫面，左邊舞台消失，按上傳





或



返回後，舞台又出現。

7.執行測試

拔掉 USB 線，離線試試看

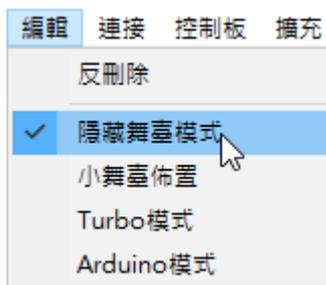
按下：載板按鈕

手放到機器人超音波感應器前面測試，

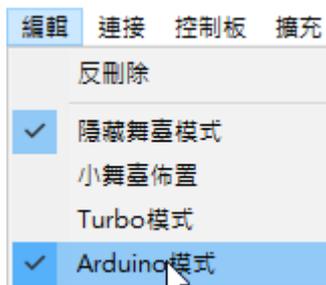
8.測試第二次，先寫程式



9.不需要舞台了



10.打開 Arduino 模式



單擊 mBot 主程式 = 9.10 兩個步驟

11.接回 USB 線，執行步驟 4，然後上傳 (換個模式看看)



```
1 #include <Arduino.h>
2 #include <Wire.h>
3 #include <SoftwareSerial.h>
4
5 #include <MeMCore.h>
6
7 MeDCMotor motor_9(9);
8 MeDCMotor motor_10(10);
9 void move(int direction, int speed)
10 {
11     int leftSpeed = 0;
12     int rightSpeed = 0;
13     if(direction == 1){
14         leftSpeed = speed;
15         rightSpeed = speed;
16     }else if(direction == 2){
17         leftSpeed = -speed;
18         rightSpeed = -speed;
19     }else if(direction == 3){
```

拔掉 USB 線，試試看

按下：載板按鈕

放地面測試，