

motoBlockly前置軟體安裝 與程式上傳步驟說明

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www.motoduino.com

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A. 下載Arduino IDE

<https://www.arduino.cc/>

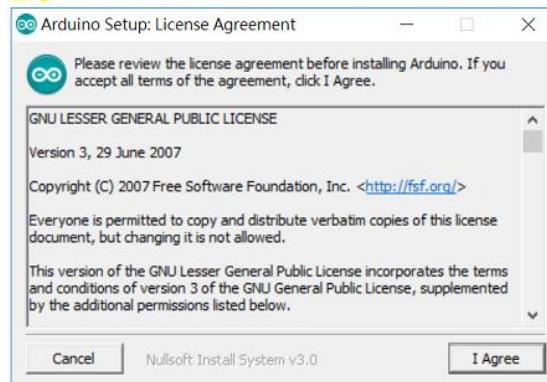
The screenshot shows the Arduino website's download page. At the top, there is a navigation bar with links for HOME, BUY, SOFTWARE (which is highlighted with a red box), PRODUCTS, LEARNING, FORUM, SUPPORT, and BLOG. To the right of the navigation bar are icons for search, shopping cart, and sign in. Below the navigation bar, the text "Download the Arduino IDE" is displayed. On the left side, there is a large teal circle containing the Arduino logo (a white infinity symbol with a minus sign on the left and a plus sign on the right). To the right of the logo, the text "ARDUINO 1.8.3" is shown, followed by a description of the software: "The open-source Arduino Software (IDE) makes it easy to write code and upload it to the board. It runs on Windows, Mac OS X, and Linux. The environment is written in Java and based on Processing and other open-source software. This software can be used with any Arduino board. Refer to the [Getting Started](#) page for Installation instructions." On the right side of the page, there is a teal sidebar with various download links: "Windows Installer" (with a hand icon pointing to it), "Windows ZIP file for non admin install", "Windows app" (with a "Get" button), "Mac OS X 10.7 Lion or newer", "Linux 32 bits", "Linux 64 bits", "Linux ARM", "Release Notes", "Source Code", and "Checksums (sha512)".

B. 安裝 Arduino IDE I

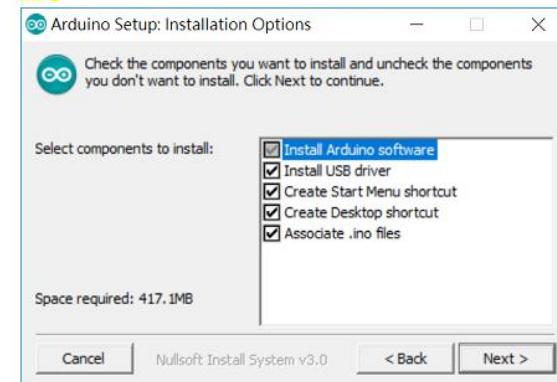


開始安裝 IDE

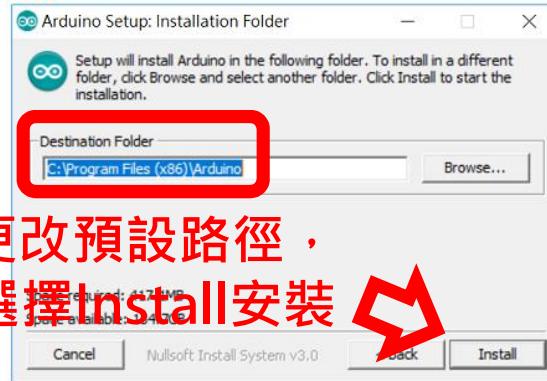
1.



2.



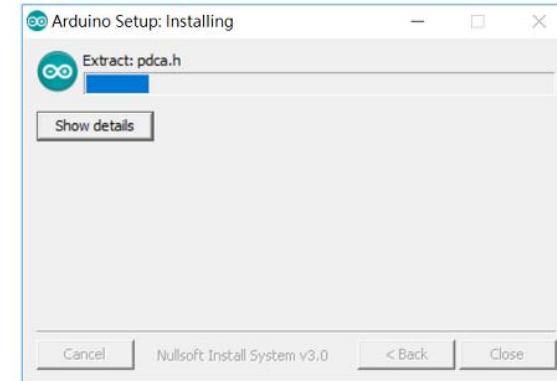
3.



請勿更改預設路徑，
直接選擇Install安裝



4.



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B. 安裝 Arduino IDE II

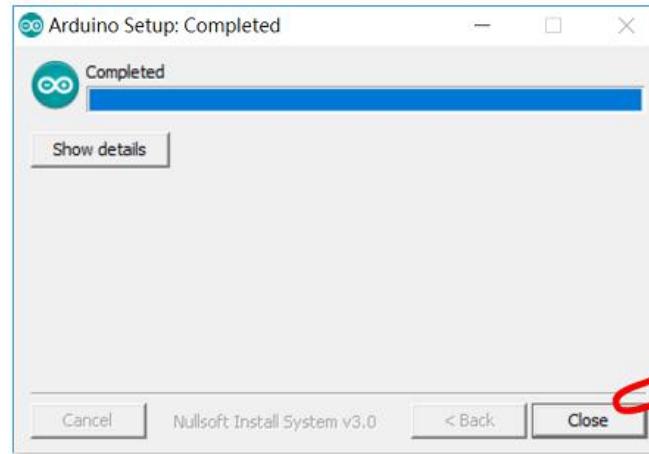
5.



6.



7.



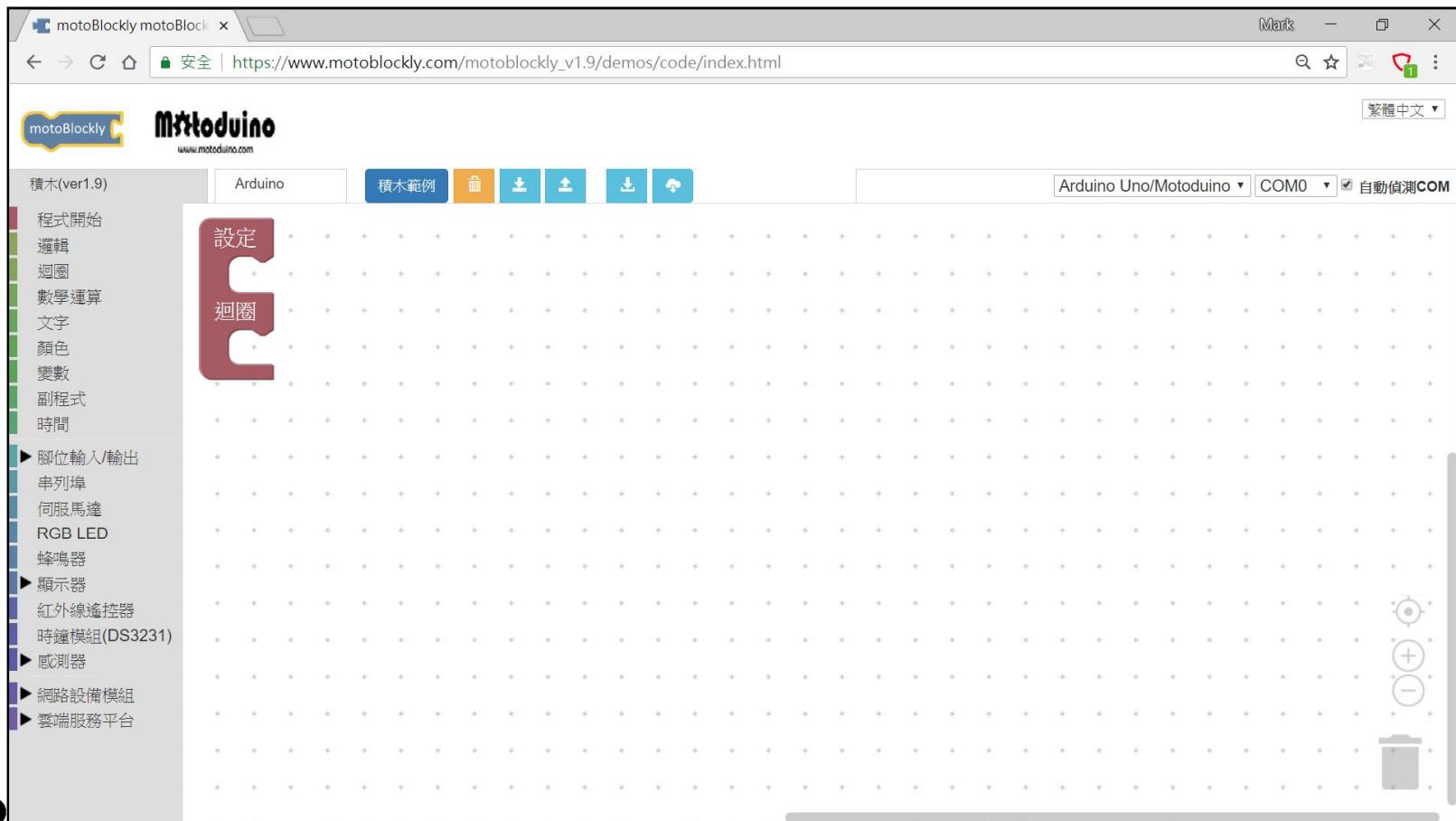
IDE 安裝完成

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C. Library安裝(在Windows OS下) I

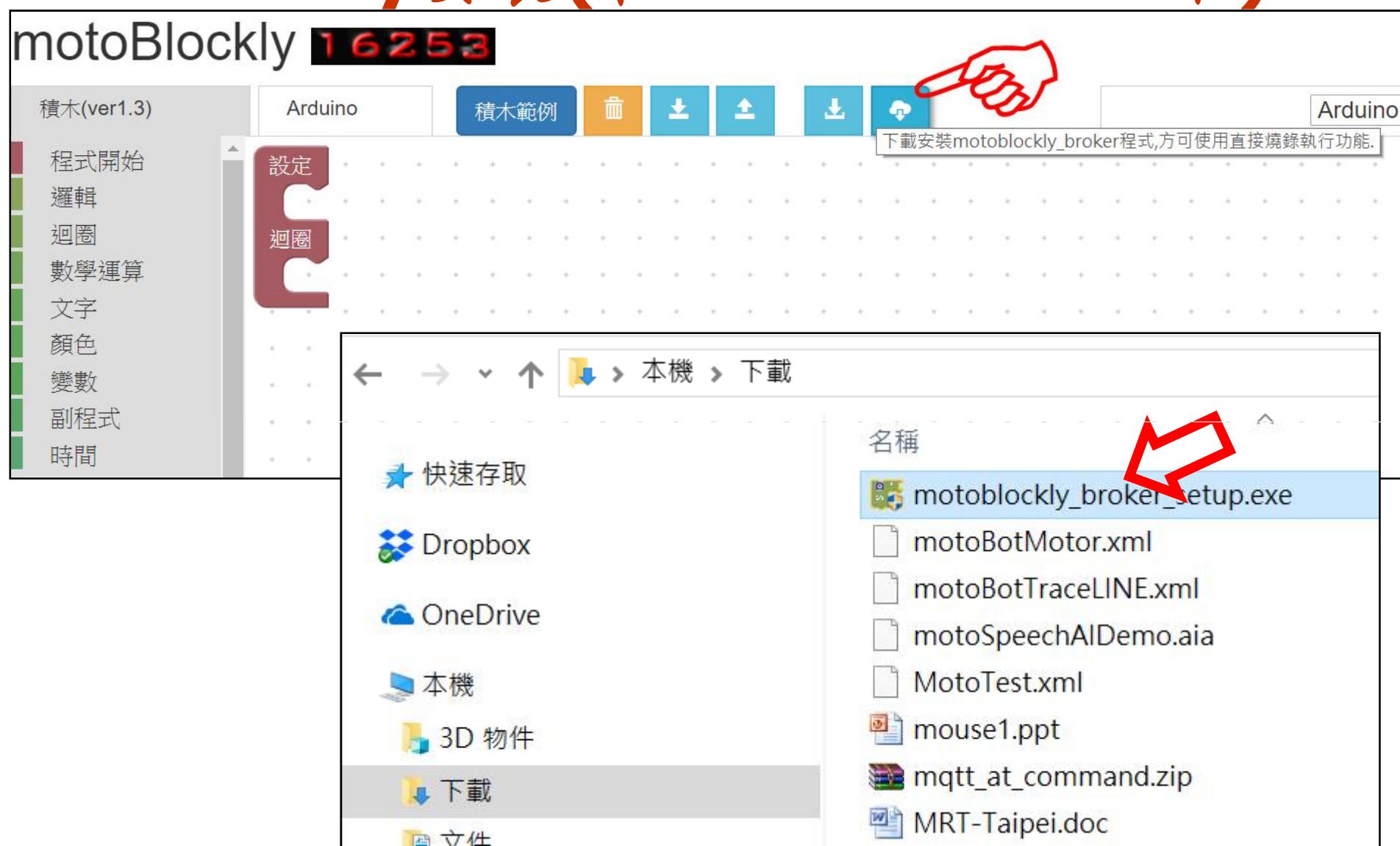
請使用Google Chrome瀏覽器進入下列網址~

www.motoblockly.com



C. Library安裝(在Windows OS下) II

motoBlockly 16253



C. Library 安裝(在Windows OS下) III

Windows 已保護您的電腦

Windows Defender SmartScreen 已防止某個無法辨識的應用程式啟動。執行此應用程式可能會讓您的電腦暴露在風險中。

[其他資訊](#)



Windows 已保護您的電腦

Windows Defender SmartScreen 已防止某個無法辨識的應用程式啟動。執行此應用程式可能會讓您的電腦暴露在風險中。

應用程式: motoblockly_broker_setup.exe

發行者: 不明的發行者



仍要執行

不要執行



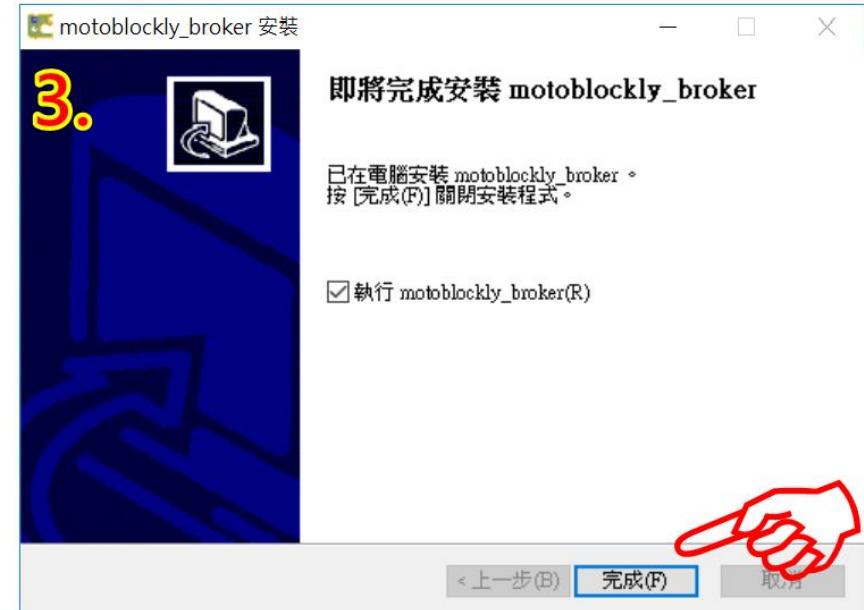
C. Library安裝(在Windows OS下) IV

1.

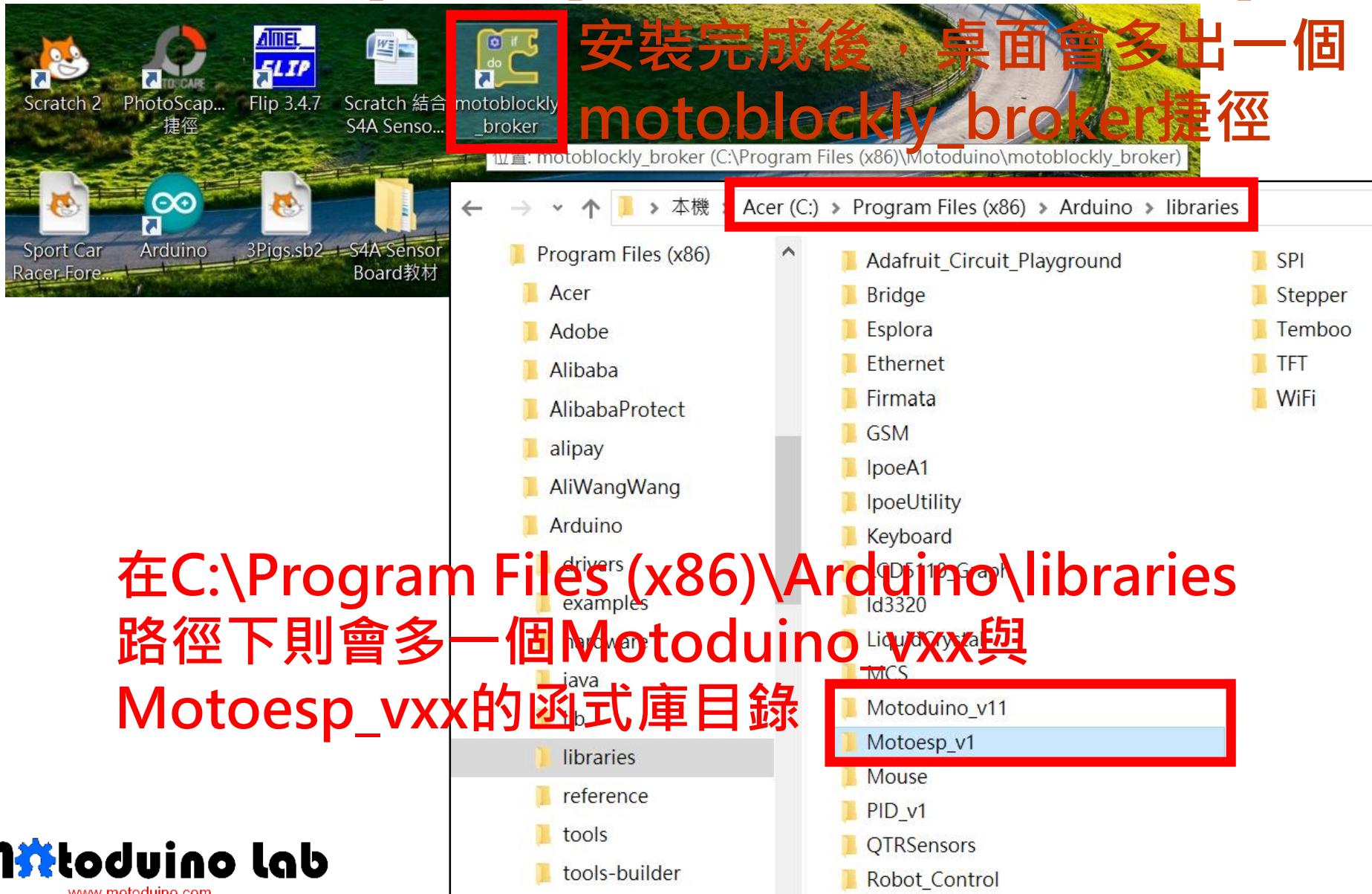


2.

3.



C. Library 安裝(在Windows OS下) V



D. 單獨下載安裝 motoBlockly Library (在非Windows 作業系統下) I

motoBlockly 16174

積木(ver1.3)

Arduino

積木範例



下載所有Motoduino相關硬體的 Arduino Library

程式開始

邏輯

迴圈

數學運算

文字

顏色

變數

副程式

時間

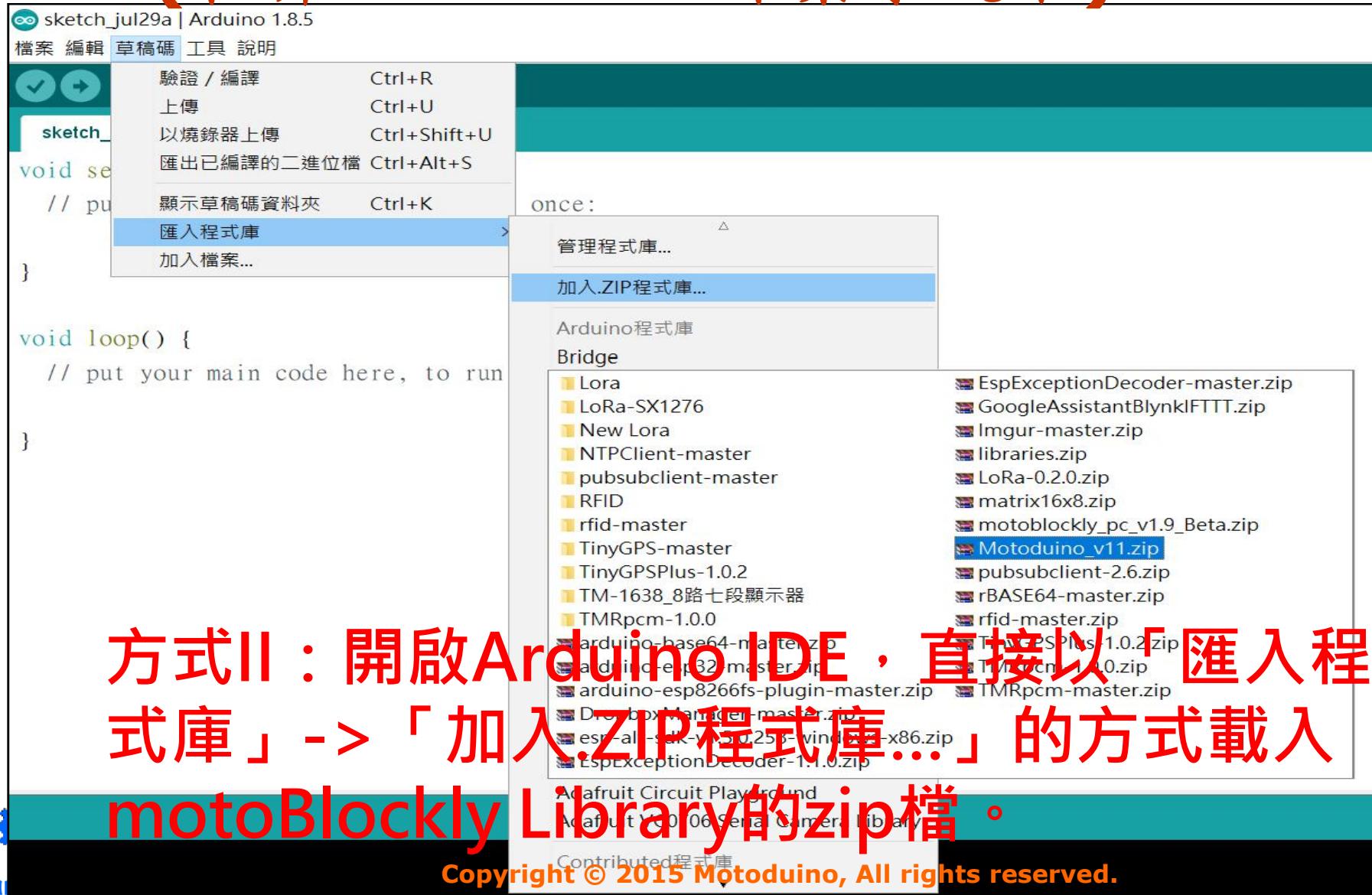
設定

迴圈



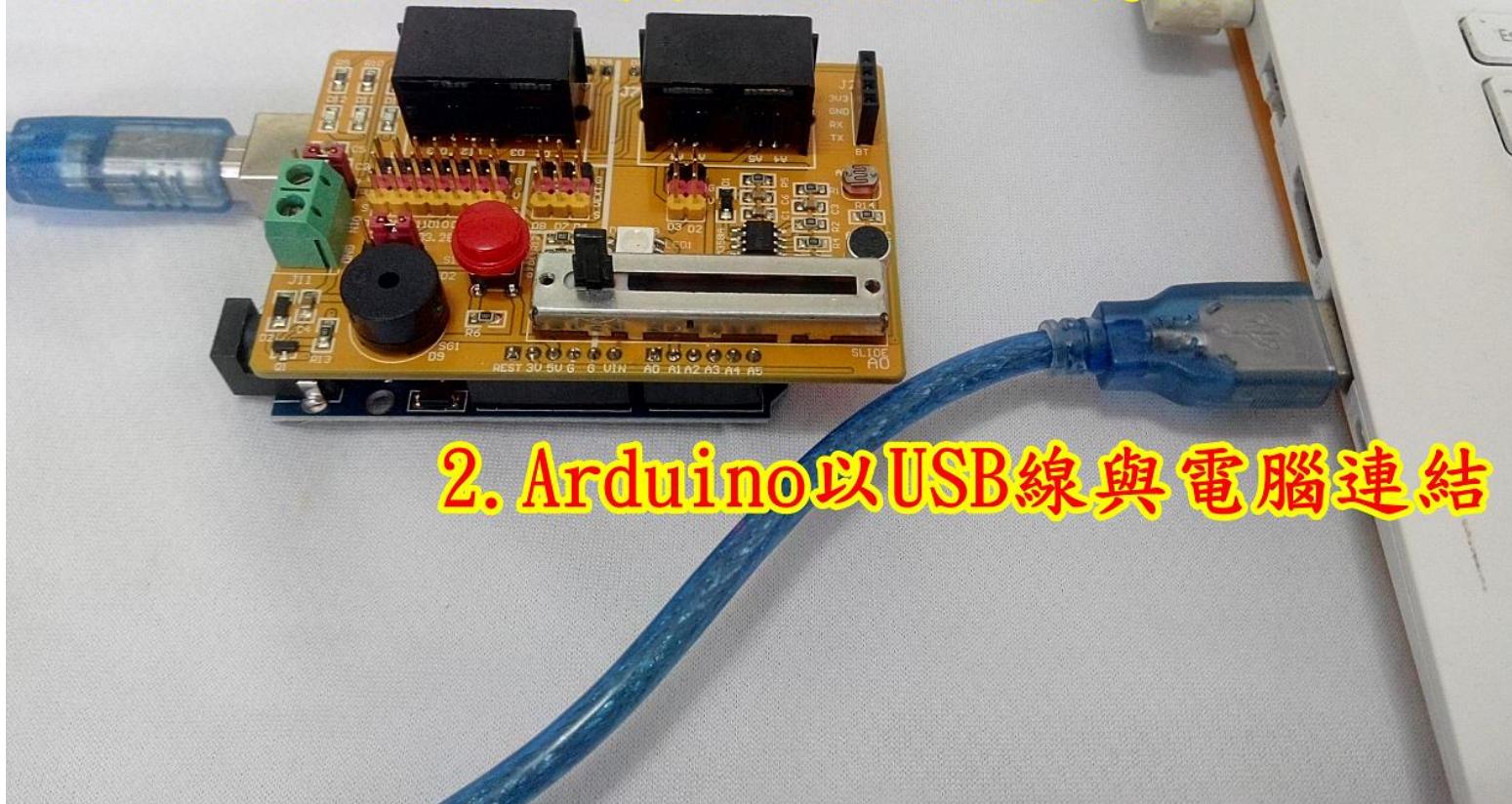
方式I：解壓縮下載的檔案後，將Library目錄
複製到非Windows OS電腦(如Linux、Mac)
對應的\Arduino IDE\libraries路徑下。

D. 單獨下載安裝 motoBlockly Library (在非Windows作業系統下) II



E. Arduino硬體接線圖

1. Sensor Board與Arduino完成結合



2. Arduino以USB線與電腦連結

F. 上傳程式方式一 (僅支援WinOS 64bits)

I



要從motoBlockly直接上傳程式前，
需先開啟motoBlockly Broker

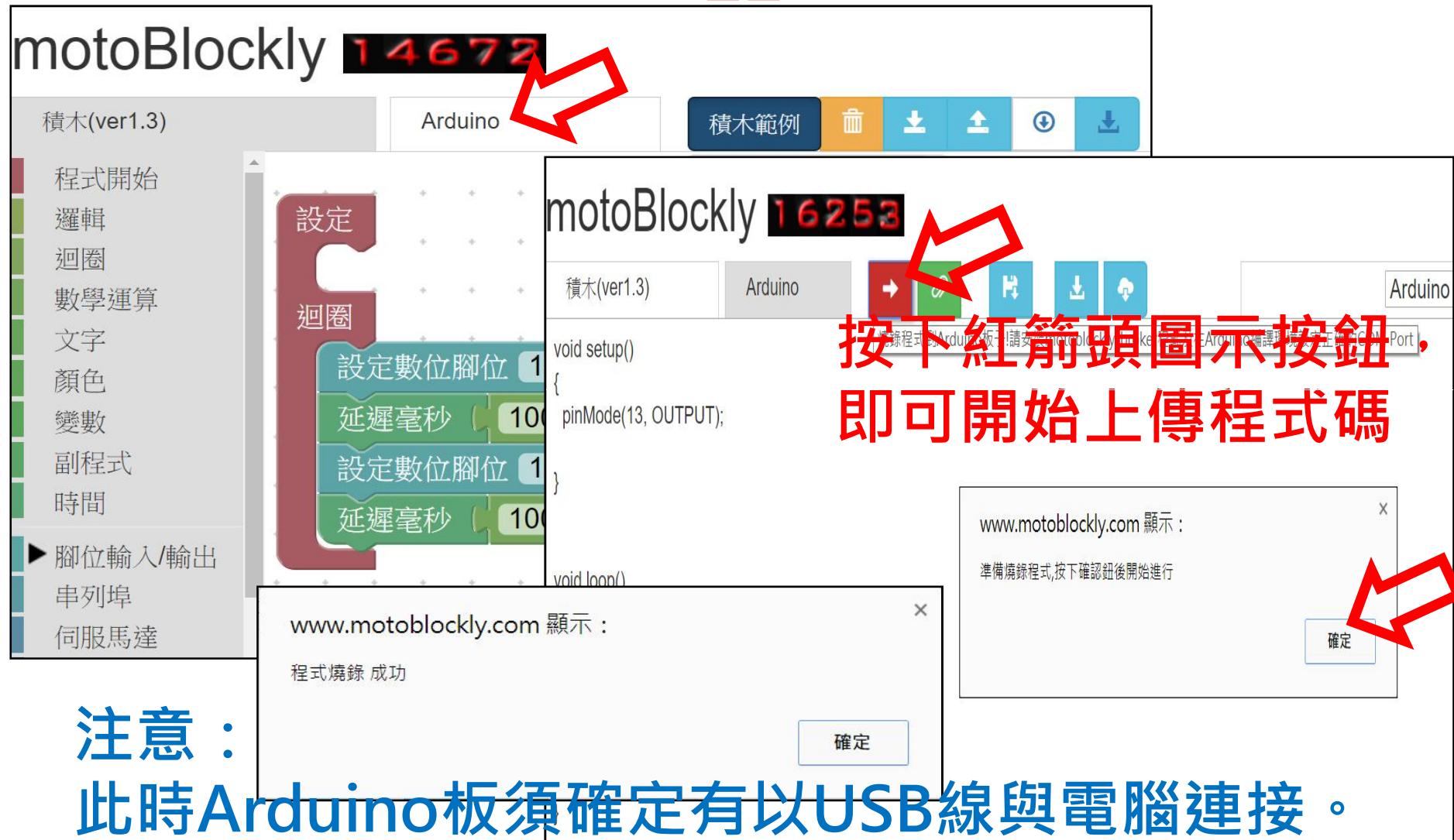
```
delay(1000);

}

created sketch at c:\users\markhs~1\appdata\local\temp\tmpgz2j uq\tmpgz2j uq.ino
INFO:root:Found Arduino command at c:\Program Files (x86)\Arduino\Arduino_Debug.exe
Uploading with c:\Program Files (x86)\Arduino\Arduino_Debug.exe --upload --port COM16 --board arduino:avr:uno c:\users\markhs~1\appdata\local\temp\tmpgz2j uq\tmpgz2j uq.ino
Looking for library 'user32'
Adding paths from jna.library.path: null
Trying user32.dll
Found library 'user32' at user32.dll
Looking for library 'shell32'
Adding paths from jna.library.path: null
Trying shell32.dll
Found library 'shell32' at shell32.dll
Looking for library 'Ole32'
Adding paths from jna.library.path: null
Trying Ole32.dll
Found library 'Ole32' at Ole32.dll
載入組態...
初始化套件...
正在準備開發板
驗證中...
Archiving build file (aving) in: C:\Users\MARKH\AppData\Local\Temp\arduino\pic\ch-4\352\core\arduino_vr_8
c4c3531af02eb624cac48b28004aed0.a
草稿碼使用了 928 bytes (2%) 的程式儲存空間。上限為 32256 bytes。
全域變數使用了 0 bytes (0%) 的動態記憶體，剩餘 2039 byte 給區域變數。上限為 2048 bytes。
上傳中...
127.0.0.1 - - [21/Sep/2017 11:03:28] "POST / HTTP/1.1" 200 -
```

開啟後此視窗不能關閉(可最小化)
方可從motoBlockly直接上傳程式

F. 上傳程式方式一（僅支援WinOS 64bits） II



F. 上傳程式方式二（支援各式OS環境）I

motoBlockly 14672

積木(ver1.3)

Arduino

積木範例



程式開始

邏輯

迴圈

數學運算

文字

顏色

變數

副程式

時間

▶ 腳位輸入/輸出

串列埠

伺服馬達

設定

迴圈

設定數位腳位 1

延遲毫秒 1000

設定數位腳位 1

延遲毫秒 1000

motoBlockly 16253

積木(ver1.3)

Arduino

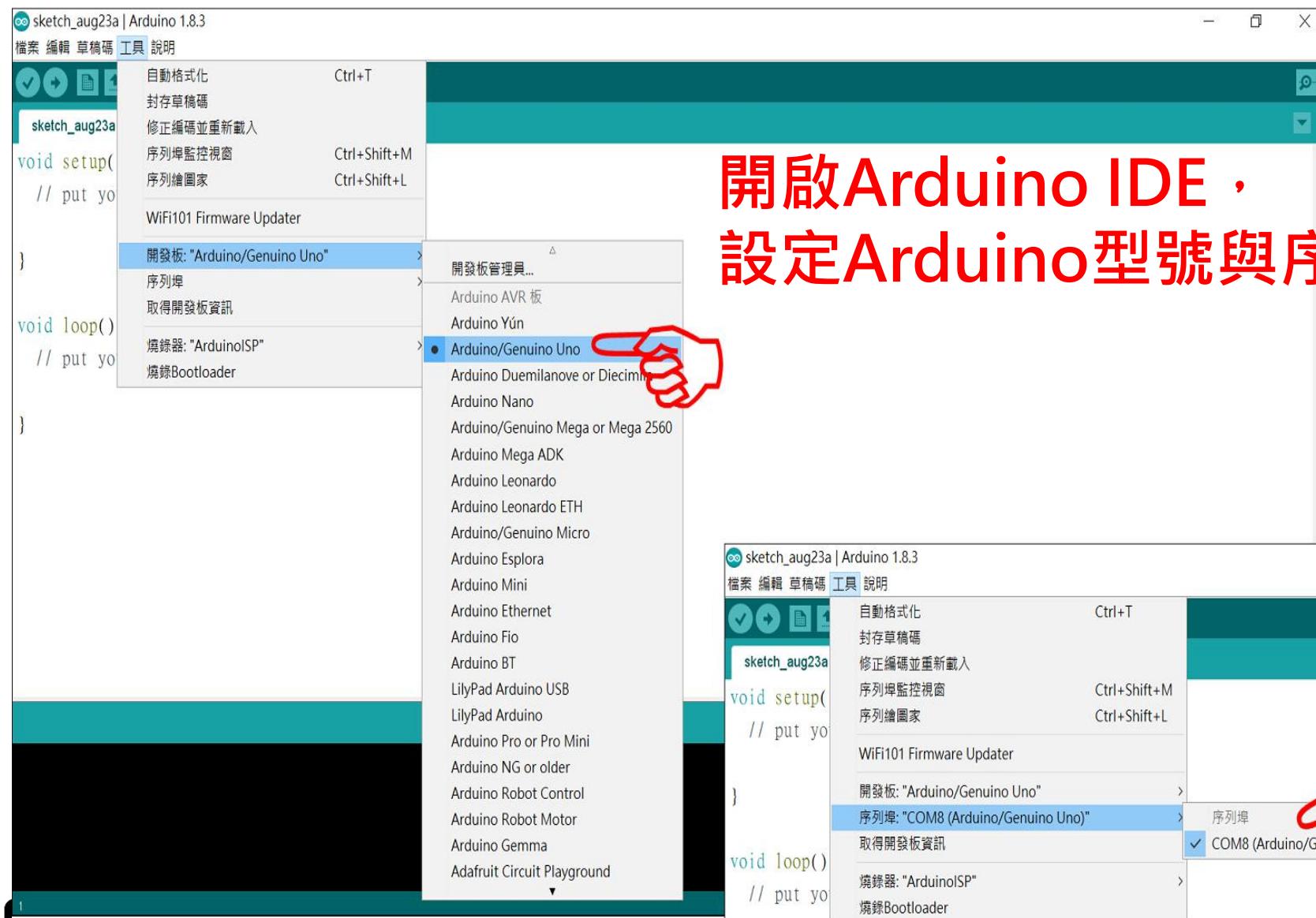


```
void setup()
{
    pinMode(13, OUTPUT);
}
```

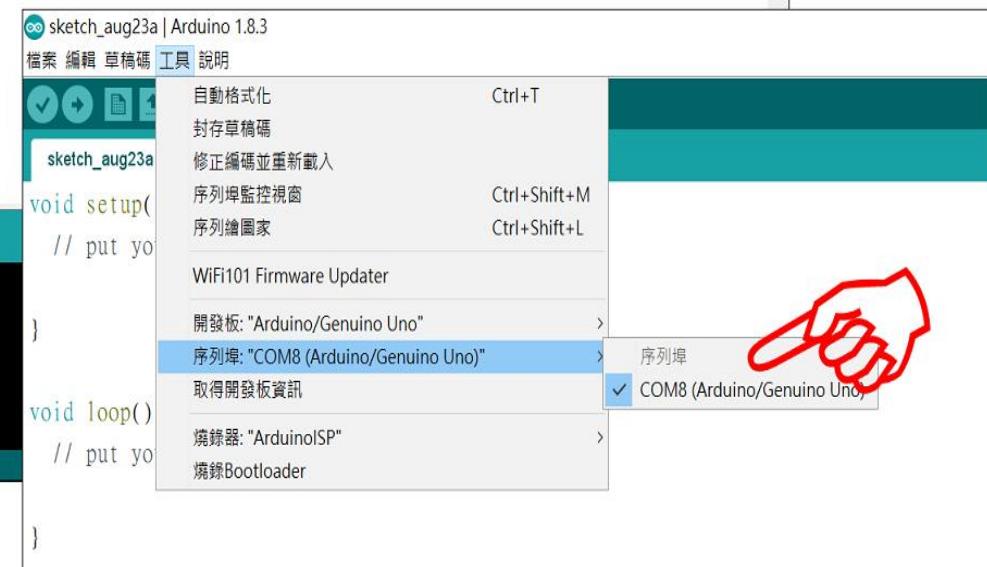
```
void loop()
{
    digitalWrite(13,HIGH);
    delay(1000);
    digitalWrite(13,LOW);
    delay(1000);
}
```

按下迴紋針圖示按鈕，
即可全選並複製程式碼

F. 上傳程式方式二（支援各式OS環境）II



開啟Arduino IDE，
設定Arduino型號與序列埠



F. 上傳程式方式二（支援各式OS環境）III

