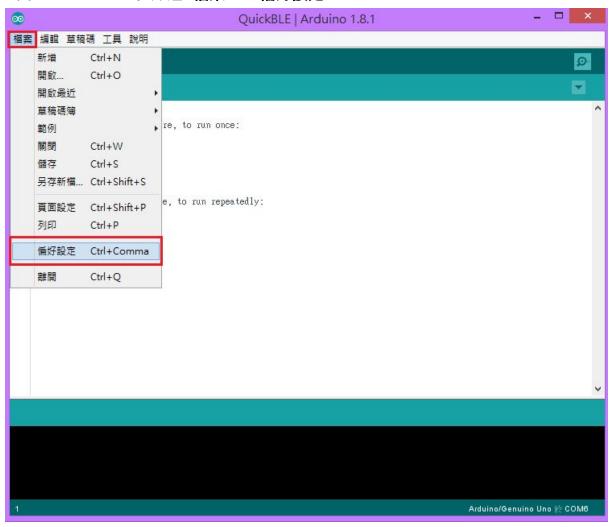
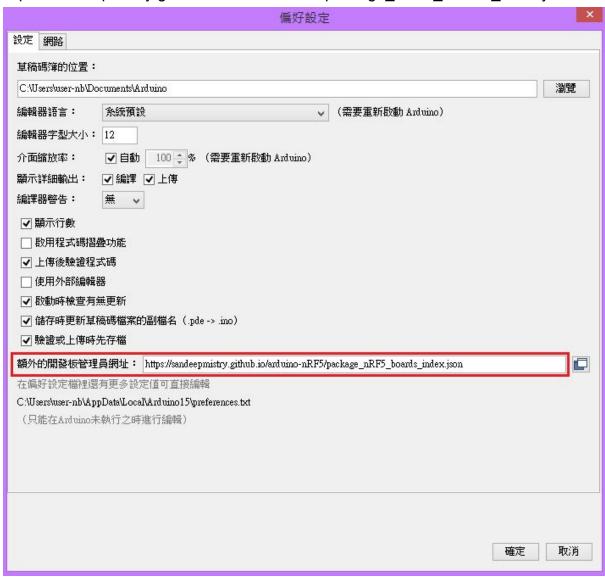
# 使用Arduino IDE 開發QuickBLE

- 一、Arduino IDE對於QuickBLE的基本設置
- 1. 於下方網址下載並安裝 Arduino IDE(版本至少要 V1.6.12) https://www.arduino.cc/en/Main/Software
- 2. 開啟Arduino IDE。點選 "檔案" -> "偏好設定"

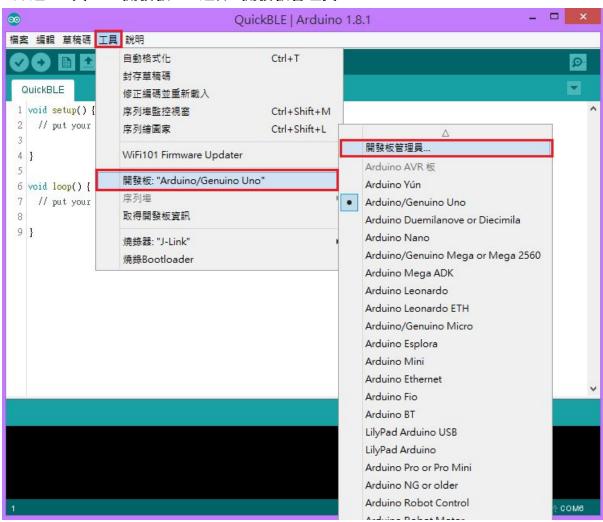


## 將下方網址複製於 "**額外的開發版管理員網址**"

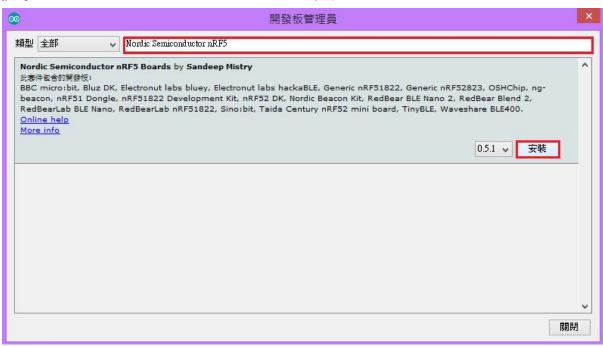
https://sandeepmistry.github.io/arduino-nRF5/package\_nRF5\_boards\_index.json



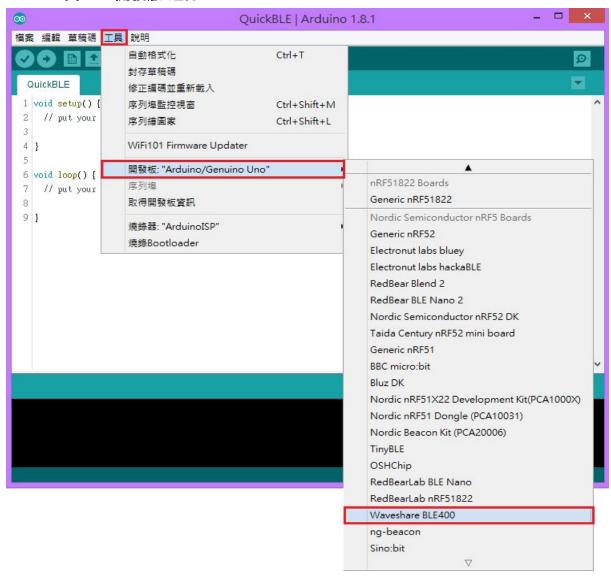
#### 3.點選 "工具" -> "開發板" -> 選擇 "開發板管理員"



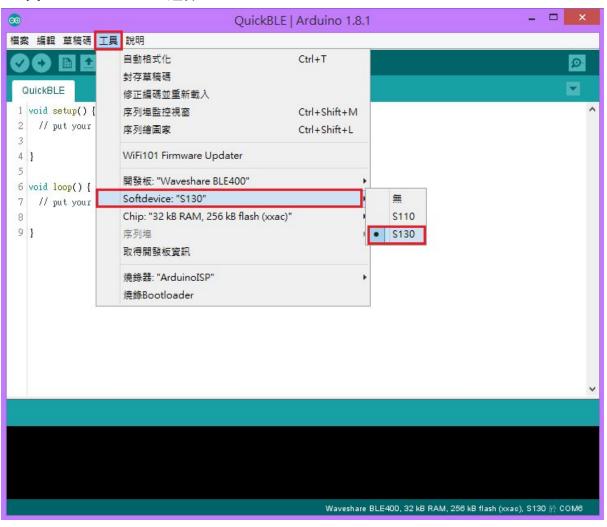
#### 搜尋 Nordic Semiconductor nRF5 Boards 並安裝



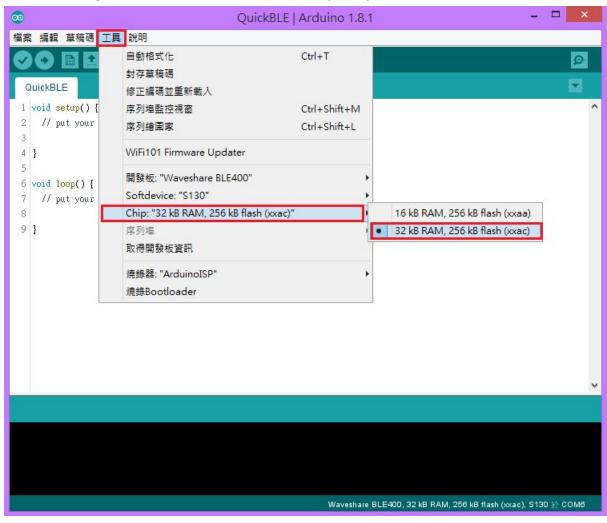
## 3. 於 "工具" -> "開發版"選擇 "Waveshare BLE400"



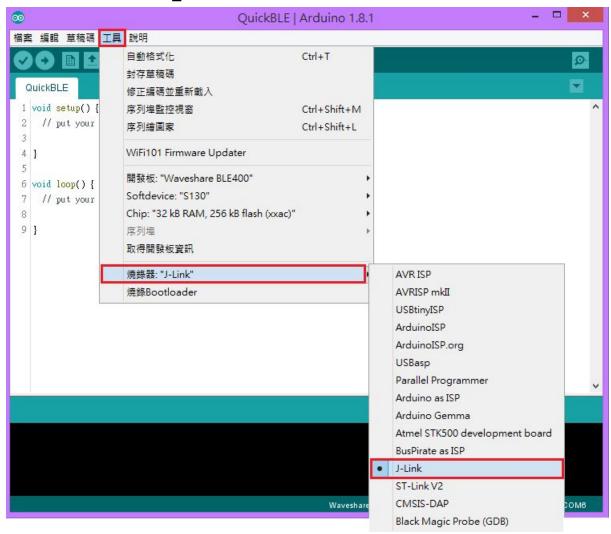
## "工具" ->"Soft device" 選擇 "S130"



## "工具" -> "Chip"選擇 "32kB RAM 256kB flash(xxac)"

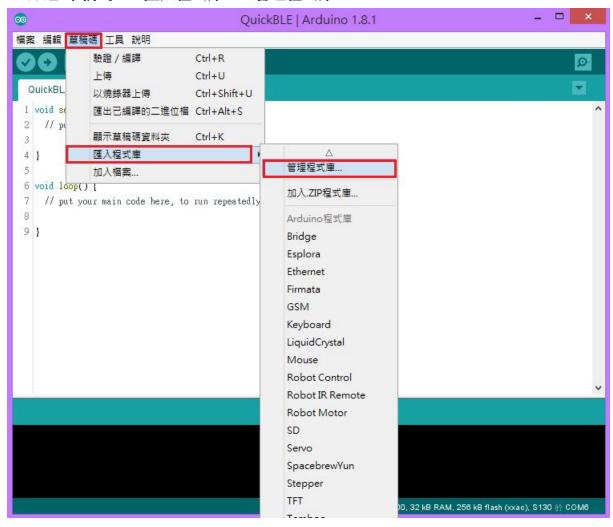


## "工具" ->"燒錄器"選擇"J\_Link"

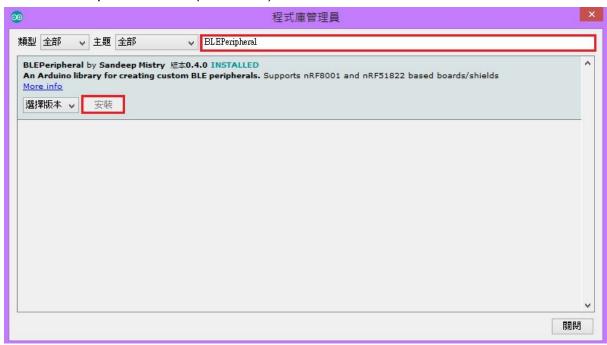


## 4. 下載 Arduino BLE 函式庫。

點選"草稿碼" ->"匯入程式庫" ->"管理程式庫"



# 搜尋 BLEPeripheral 並安裝(版本0.4.0)

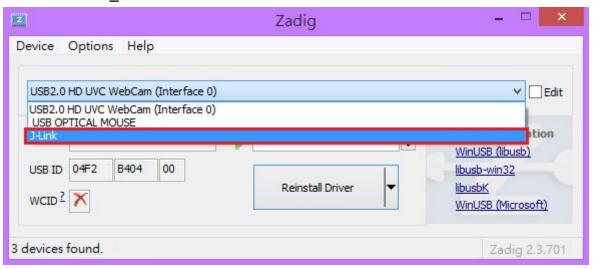


## 二、安裝J\_Link驅動程式

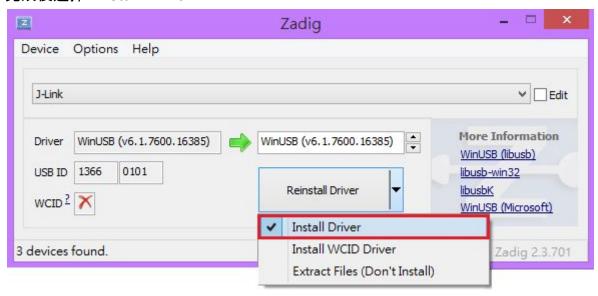
- 1.於下方網址下載並安裝 Zadig http://zadig.akeo.ie/downloads/zadig-2.3.exe
- 2.開啟 Zadig。點選 "Options" ->"List All Devices"



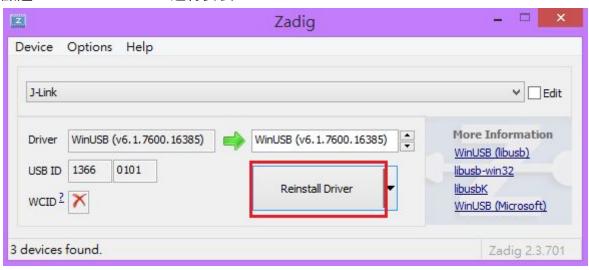
## 於選單中選擇 J\_Link



#### 完成後選擇 "Install Driver"

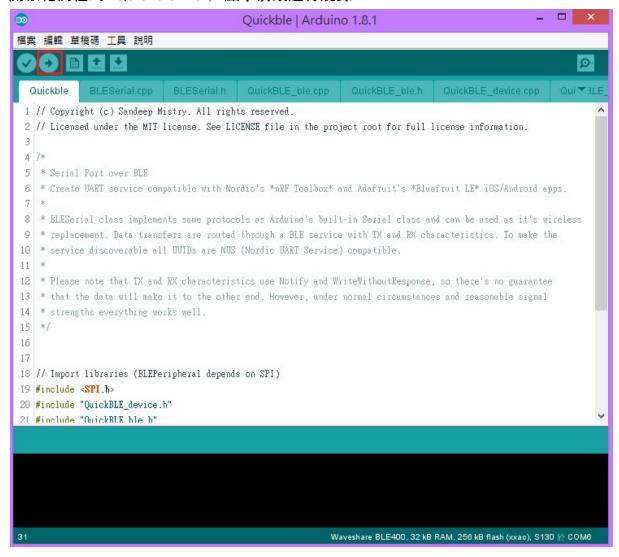


#### 點選 "Reinstall Driver" 進行安裝



## 三、Arduino IDE 燒錄

#### 開啟範例程式 "Quickble.ino", 點擊箭頭進行燒錄



# 四、安裝手機app

下載及安裝nRF Toolbox app





# nRF Toolbox for BLE

Nordic Semiconductor ASA
3+

解除安裝

開啟



下載次數



158 🚢



工具



類似內容

探索與NRF工具箱您的藍牙低功耗設備。

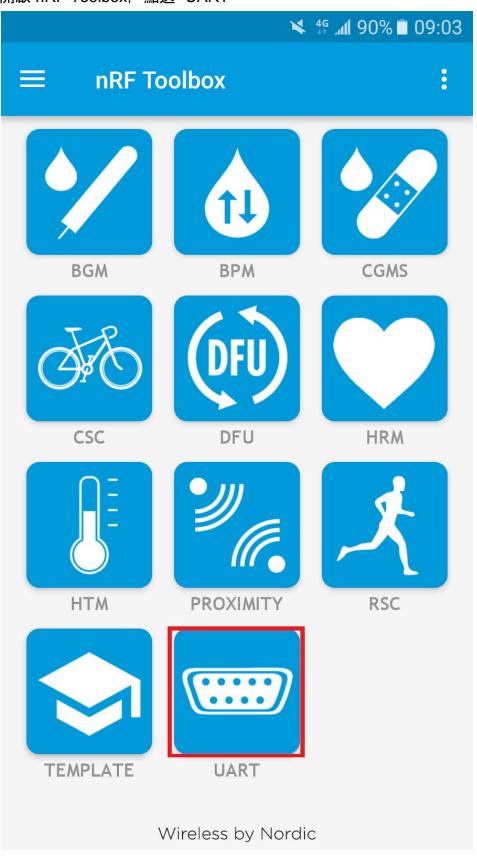


## 新功能

5.01.2018 - version 2.6.0

- BLE Library as a separate module (see GitHub)
- Exporting UART configurations fixed for

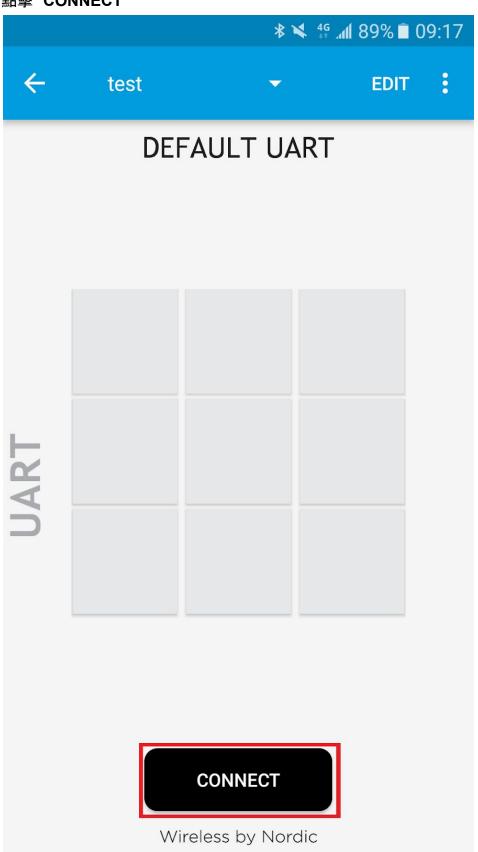
開啟 nRF Toolbox,點選 "UART"



## 開啟藍芽



# 點擊 "CONNECT"

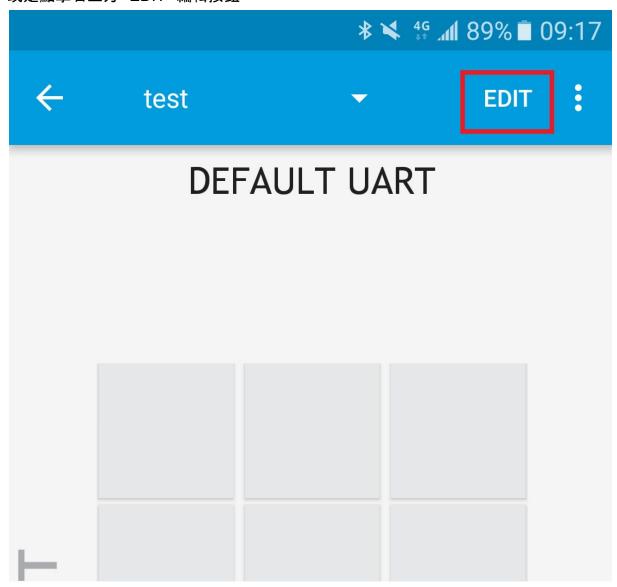




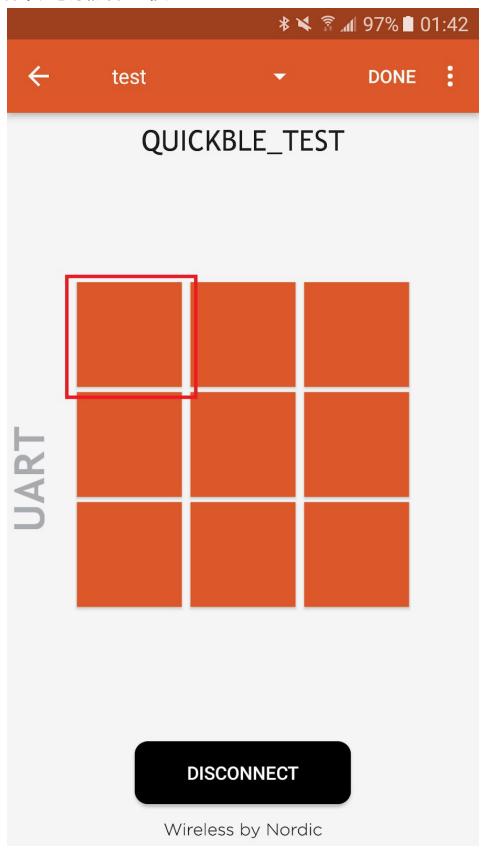
可於下方 "Write command" 輸入指令,並點擊 "SEND" 傳送指令,來控制QuickBLE的設備。

Write command	SEND	
---------------	------	--

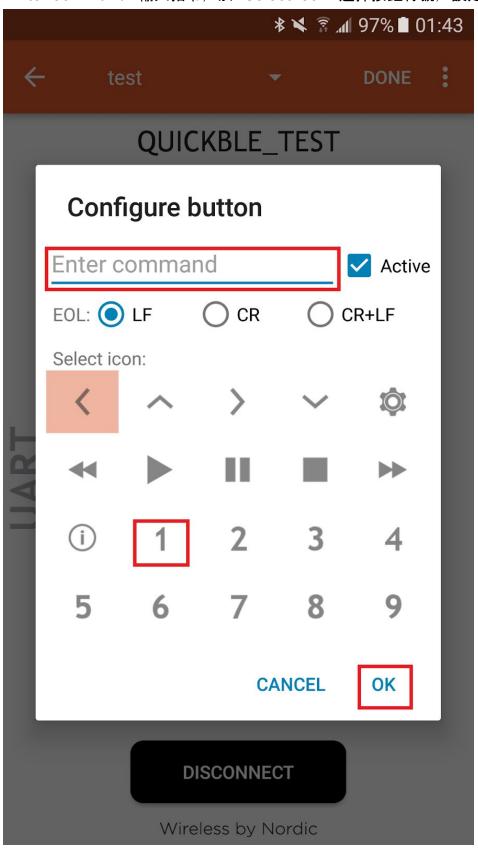
# 或是點擊右上方 "EDIT" 編輯按鈕



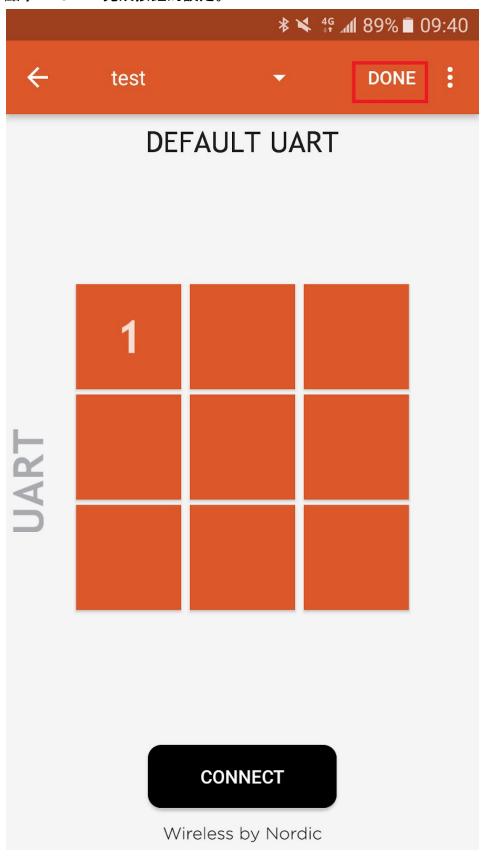
# 點擊任意方格來建立按鈕



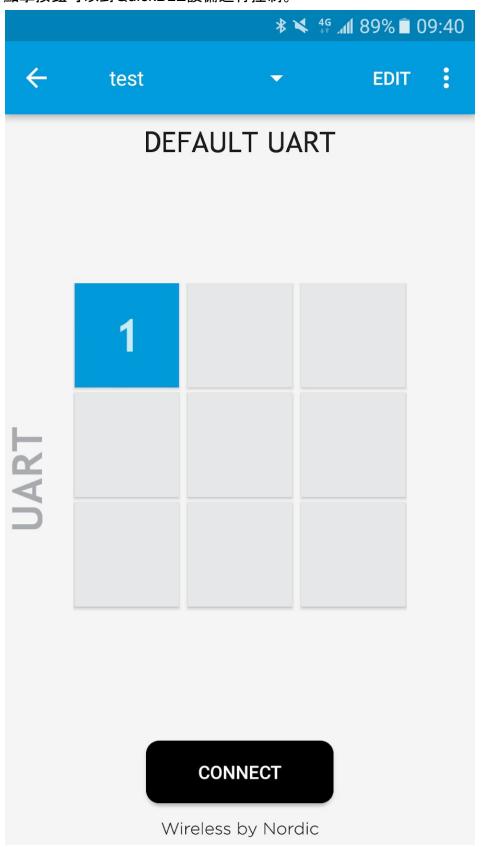
"Enter command" 輸入指令,於 "Select icon" 選擇按鈕符號,設定完成點擊"OK"。



點擊 "DONE" 完成按鈕的設定。



點擊按鈕可以對QuickBLE設備進行控制。



## 五、指令

開啟蜂鳴器 buzzerON 關閉蜂鳴器 buzzerOFF usb10N 開啟USB1 usb1OFF 關閉USB1 開啟USB2 usb2ON 關閉USB2 usb2OFF 開啟Relay1 relay10N relay10FF 關閉Relay1 relay2ON 開啟Relay2 relay2OFF 關閉Relay2 腳位6輸出5V DO1HIGH 腳位6輸出0V DO1LOW 腳位7輸出5V DO2HIGH 腳位7輸出0V DO2LOW

Pin1State 詢問腳位1的輸入狀態 若為高電位 回復PIN1 is HIGH 若為低電位 回復PIN1 is LOW Pin2State 詢問腳位2的輸入狀態 若為高電位 回復PIN2 is HIGH 若為低電位 回復PIN2 is LOW

Pin3State 詢問腳位3的輸入狀態 若為高電位 回復PIN3 is HIGH 若為低電位 回復PIN3 is LOW