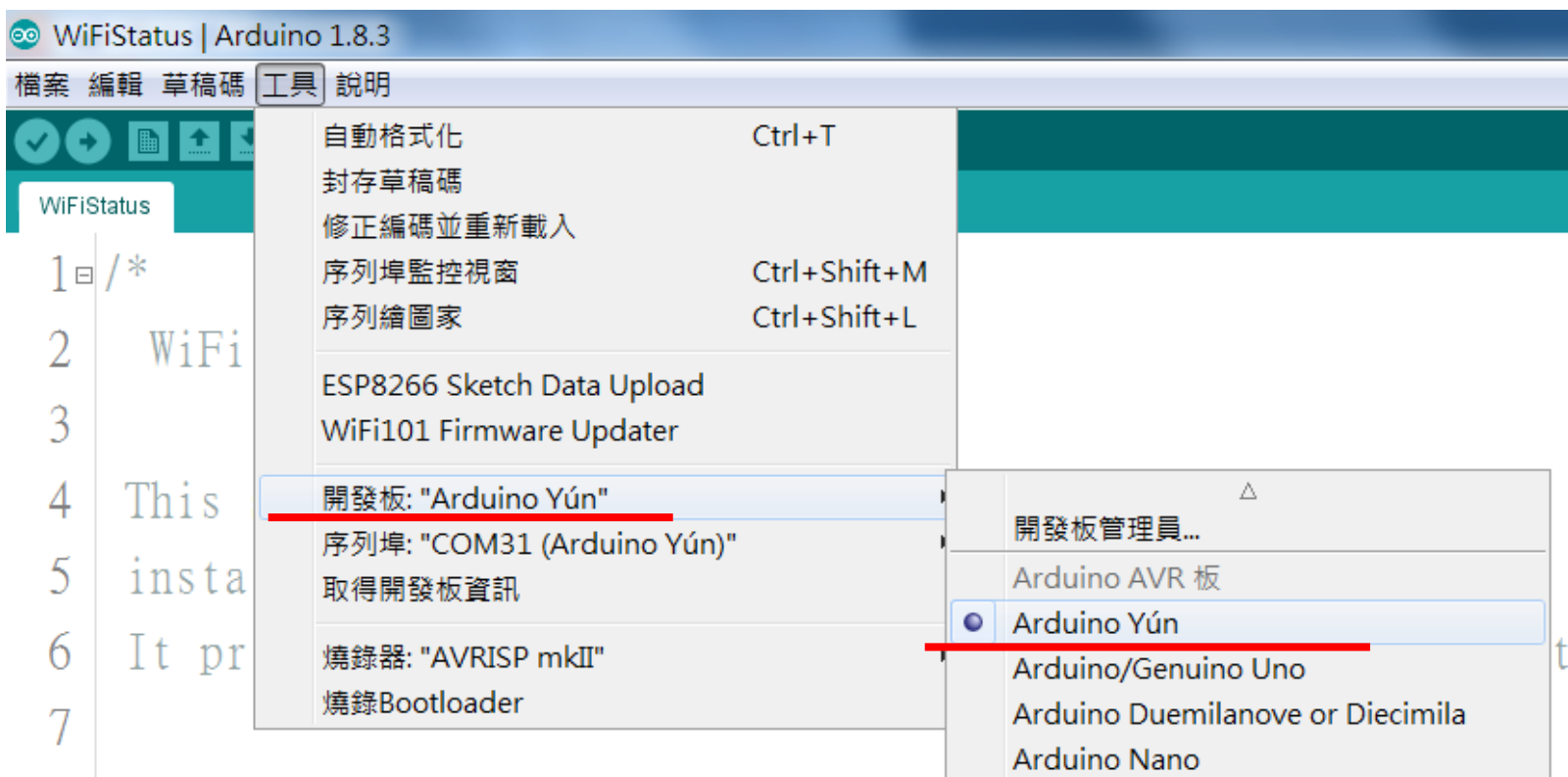


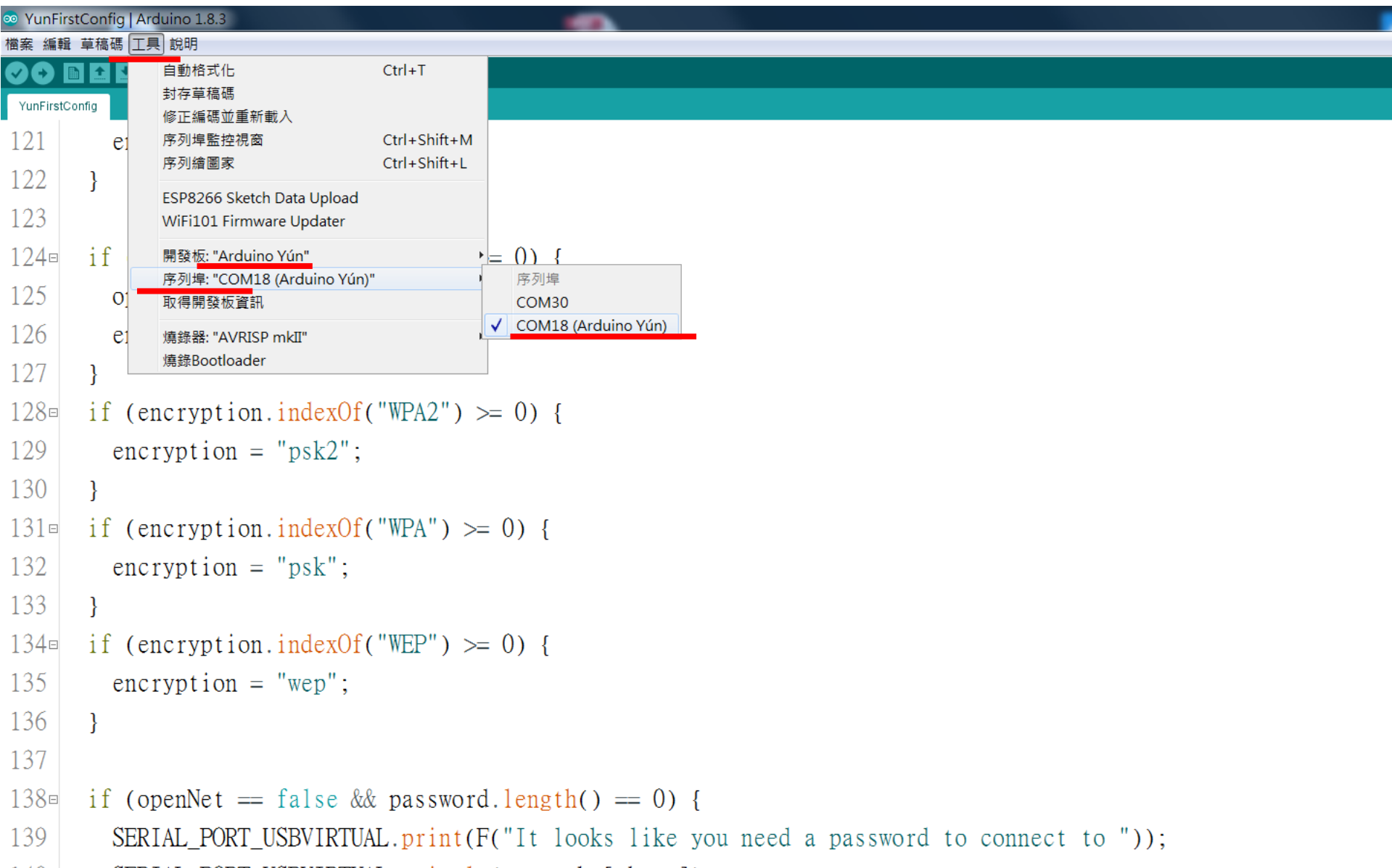
How to Setup the Wi-Fi AP Connection for Arduino Yun?

Dr. Yun-Wei Lin
NYCU

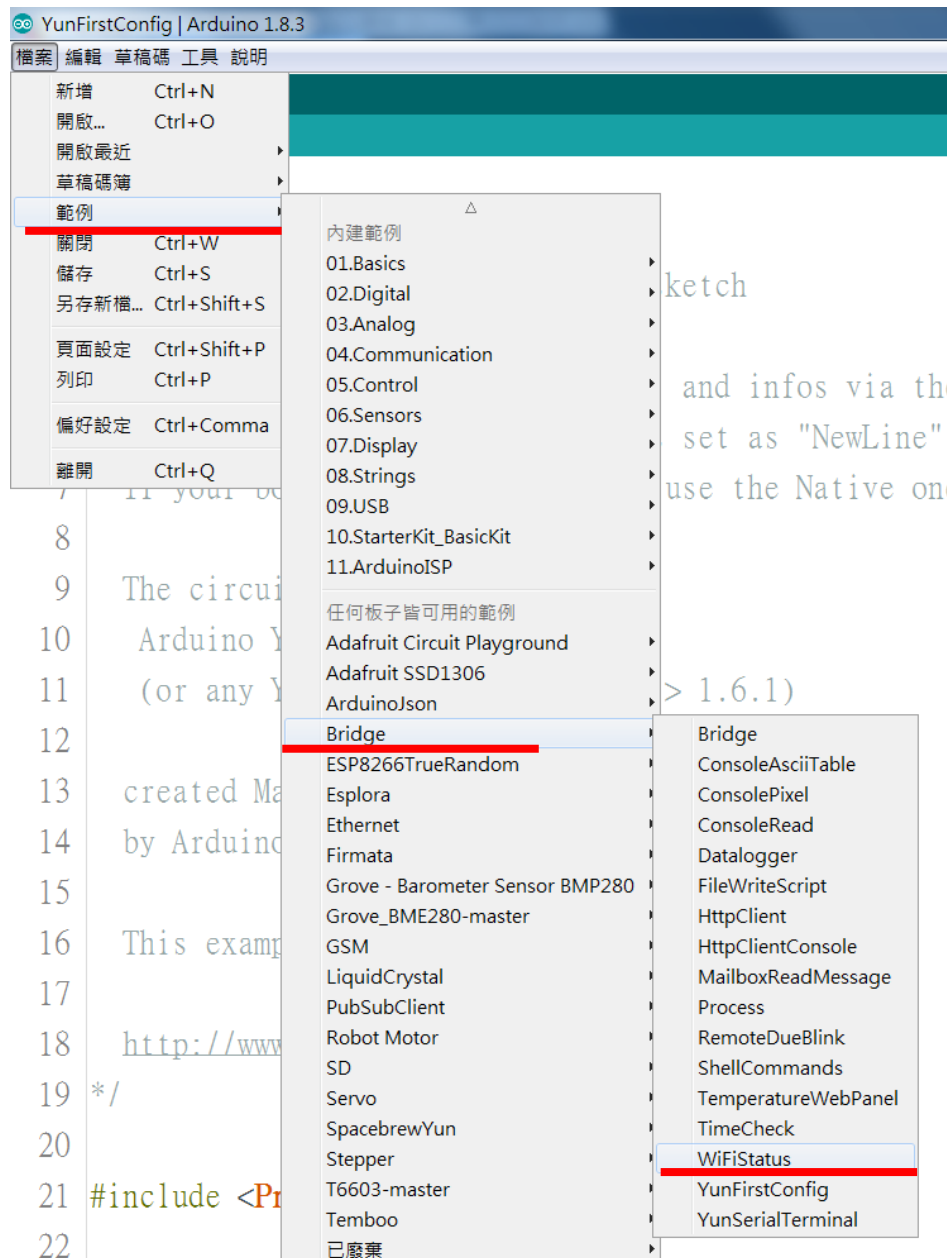
1. 將micro usb線串起ArduinoYun與PC
2. 在IDE上選則對應的開發版



3. 選擇對應的COM port



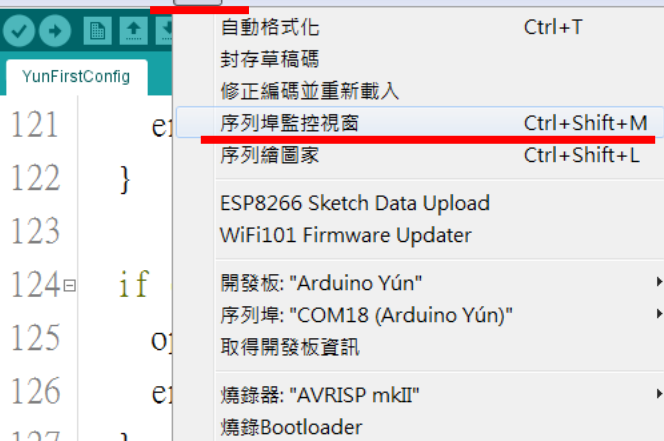
4. 燒錄WiFiStatus範例程式



4. 開啟序列埠監控視窗

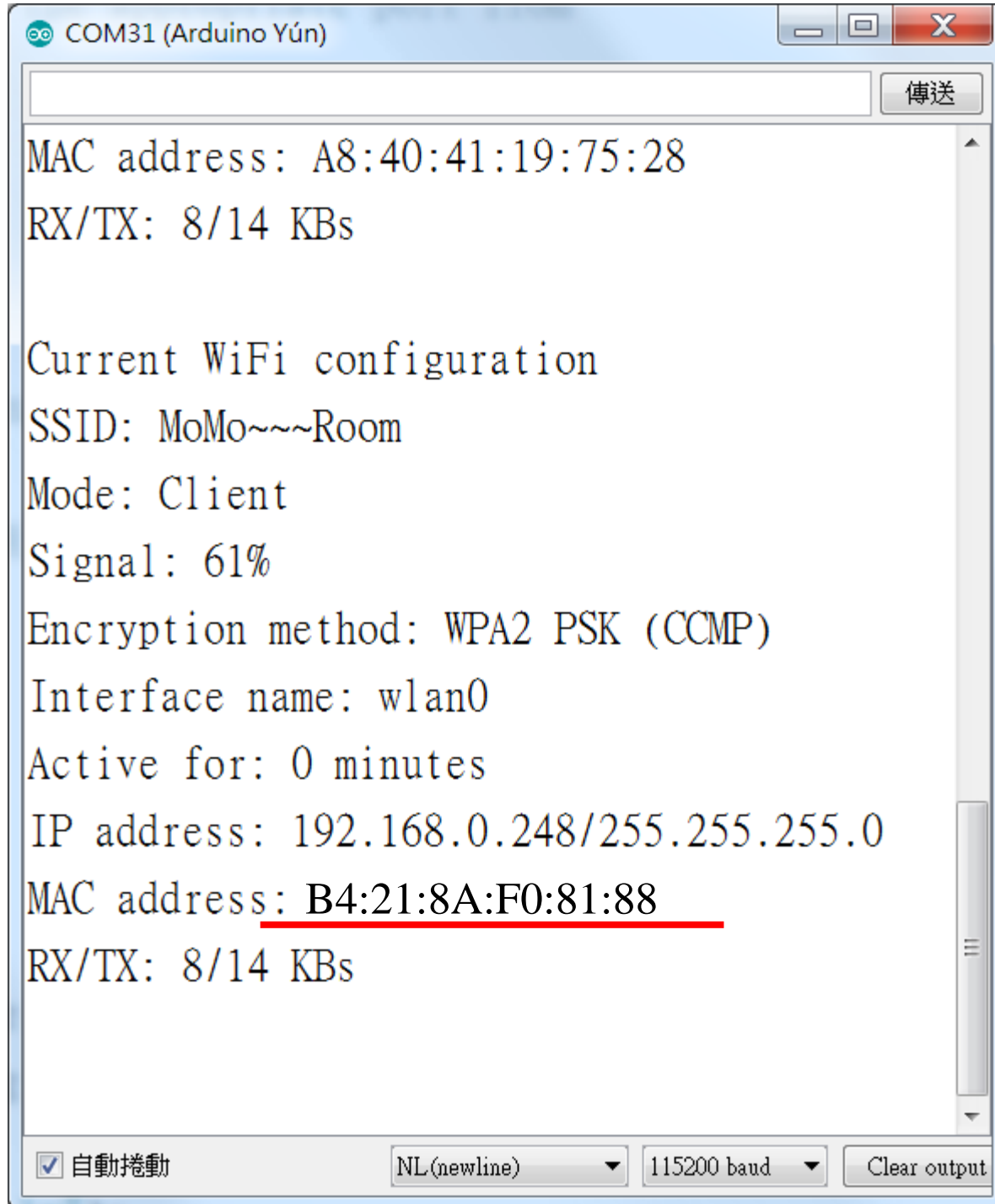
YunFirstConfig | Arduino 1.8.3

檔案 編輯 草稿碼 工具 說明



```
121  e
122  }
123
124  if
125  O
126  e
127  }
128  if (encryption.indexOf("WPA2") >= 0) {
129      encryption = "psk2";
130  }
131  if (encryption.indexOf("WPA") >= 0) {
132      encryption = "psk";
133  }
134  if (encryption.indexOf("WEP") >= 0) {
135      encryption = "wep";
136  }
137
138  if (openNet == false && password.length() == 0) {
139      SERIAL_PORT_USBVIRTUAL.print(F("It looks like you need a password to connect to "));
140      SERIAL_PORT_USBVIRTUAL.println(networks[chose]);
141      SERIAL_PORT_USBVIRTUAL.print(F("Write it here: "));
142      password = getUserInput(password, true);
143  }
```

5. 記下看到的MAC address



```
COM31 (Arduino Yún)
MAC address: A8:40:41:19:75:28
RX/TX: 8/14 KBs

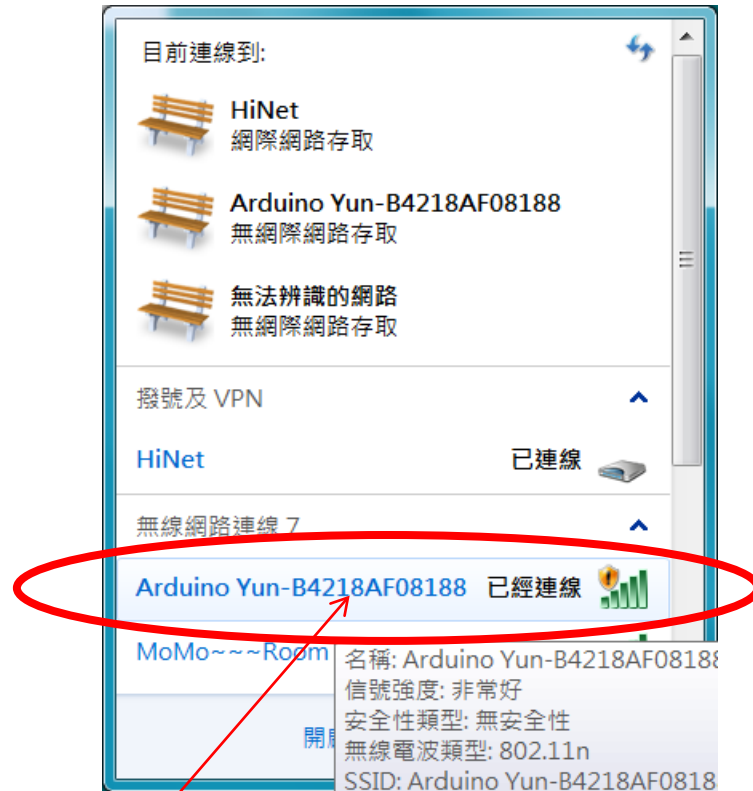
Current WiFi configuration
SSID: MoMo~~~Room
Mode: Client
Signal: 61%
Encryption method: WPA2 PSK (CCMP)
Interface name: wlan0
Active for: 0 minutes
IP address: 192.168.0.248/255.255.255.0
MAC address: B4:21:8A:F0:81:88
RX/TX: 8/14 KBs
```

傳送

☒ 自動捲動 NL(newline) 115200 baud Clear output

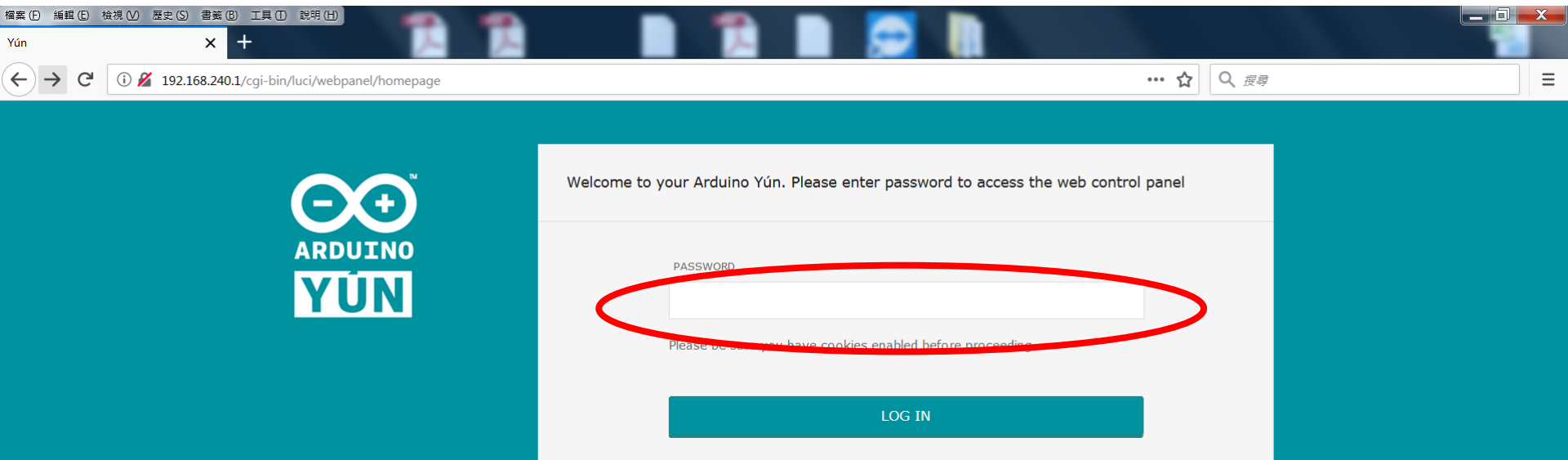
連上ArduinoYun所建立的AP

(如果之前已經設定成client並連上某台AP1，更換環境後，會自動進行WiFi-reset
Yun會連不上原AP1，會看到藍燈開始閃爍約30秒，等閃爍完畢後，
Yun會重開機，就會自動回到AP mode，就可以看到下圖)



6.找尋對應的MAC address的Arduino Yun控制板

瀏覽器連到 `http://192.168.240.1`
輸入密碼，預設是 `arduino` or `doghunter`





WELCOME TO **ARDUINO**, YOUR **ARDUINO YÚN**

CONFIGURE

WIFI (WLAN0) **CONNECTED**

Address **192.168.240.1**

Netmask **255.255.255.0**

MAC Address **B4:21:8A:F0:81:88**

Received **35.71 KB**

Trasmitted **205.93 KB**

WIRED ETHERNET (ETH1) **DISCONNECTED**

MAC Address **B4:21:8A:F8:81:88**

Received **0.00 B**

Trasmitted **0.00 B**

There was a problem last time I tried configuring wireless network.

Check the following log for details of what went wrong ([Show](#))

UPLOAD SKETCH

Select a **.hex** file (compiled sketch) and upload it on the microcontroller of this Yún.
For more information about how to obtain the **.hex** file of your sketch, visit [this page](#).



CONFIRM PASSWORD

TIMEZONE * Asia/Taipei

WIRELESS PARAMETERS ⓘ

CONFIGURE A WIRELESS NETWORK ⓘ

DETECTED WIRELESS NETWORKS dlink-CD1E (WPA2, quality 34%) Refresh

WIRELESS NAME * dlink-CD1E

SECURITY WPA2

PASSWORD *

DISCARD

CONFIGURE & RESTART

REST API ACCESS ⓘ

REST API ACCESS ☐ OPEN ☒ WITH PASSWORD

REST APIs allow you to access your sketch from the web, sending commands or exchanging configuration values.
If your Yún is on a public network, or controlling sensitive equipment, or both, we recommend you leave the REST API password protected.