ADP & PWS Frequently Asked Questions.

關於 ADP 與 PWS 常見問題

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(1.1) Does ADP support Win8, Win8.1 or Win10 ?

Ans: It's OK , but please use the professional version of the above version.

(1.1) ADP 是否有支援 Win8, Win8.1 or Win10？

答：目前可支援，但 OS 版本請使用專業版以上。

(1.2) ADP version vs. Windows version

Ans: XP: ADP6.6.1 and pervious version.
Win7: ADP6.7 and later version.

(1.2) ADP 版本對應之 Windows 版本

答：XP : ADP6.6.1 及以前版本。
Win7: ADP6.7 及以後。

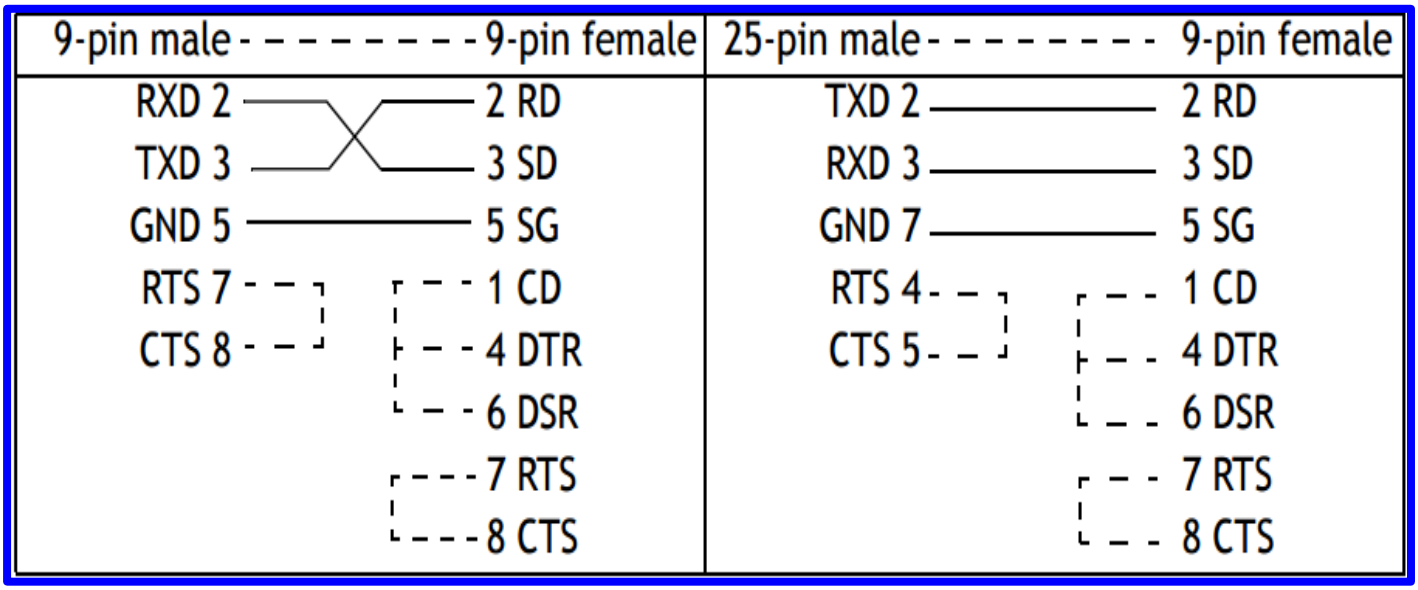
(1.3) What cables to use to connect xx HMI to yy PLC (Beijer's cable model no.)?

Ans: Please use WPC-P8-42 or WPC-P8-41 cable to connect PLC's RS232 and PWS's com1 port.
Please refer to following connecting diagram as Image1_01.

(1.3) 使用 xx 人機接 yy_PLC 要用什麼線(Beijer 出產之線號)?

答：請使用 WPC-P8-42 或 WPC-P8-41 連接 PLC 的 RS232 通訊埠和 PWS 的 COM1 通訊埠。
請參考以下連接圖，如圖示 Image_01：

↓Image_01



(1.4) How long could PWS last when battery is fully charged?

Ans: New battery is about 2 months.

(1.4) PWS 電池充飽可用多久？

答：新機約 2 個月。

(1.5) How long can the fully charged PWS battery last when HMI is off power?

Ans: New battery can last about 200 days, but the time gets shorter as the battery gets older.

(1.5) 停電保持可多久不充電 PWS 電池充飽，停電保持可多久不充電?

答：新電池約 200 天，隨著電池老化則愈短。

(1.6) How many PLC can PWS connect to?

Ans: 16 machines.

(1.6) 最多能與幾台 PLC 通訊？

答：16 台 。

(1.7) What is the most update software?

Ans: ADP6.11. The download URL:

http://www.beijerelectronics.com.tw/-/media/beijerelectronics,-d-,com/Files/Software/ADP___Software/ADP___V6,-d-,11,-d-,0-B198_R4680.ashx?la=zh-TW

Please note for using this version of software. Once the file is opened by this version software, then it could not be opened by old version.

If need to recover, please find the file “*.v30” in the original file. * is your file name.

Change the sub-file name to “.V6F”, but at 6.11 new features will disappear

(1.7) 目前最新版軟體為何？

答：ADP6.11. 下載網址如下連結：

http://www.beijerelectronics.com.tw/-/media/beijerelectronics,-d-,com/Files/Software/ADP___Software/ADP___V6,-d-,11,-d-,0-B198_R4680.ashx?la=zh-TW

使用此版軟體需注意，此版軟體開啟過的檔案，舊版軟體無法開啟。

若需要復原請在原檔案位址找到”*.v30”的檔案。*為你的檔名。

將副檔名改成”.V6F”就能使用了，但於 6.11 新增的功能皆會消失。

(1.8) What is the difference between standard, plus and network type?

Ans: Plus type: it has latched function with complete Recipe, Logging buffer, and Alarm function.

Network type: Plus type with network function.

(1.8) 標準型、加強型和網路型有何不同？

答：加強型：有停電保持功能，所以有完整的配方及記錄緩衝區、警報功能。

網路型：加強型加上網路功能。

(1.9) What software is applied to xxx type?

Please refer to ADP3 and ADP6 [Application]/[set operating parameter]/[HMI model].

Normally PWS “n”, n<4000 is ADP3, n>4000 is APD6.

(1.9) xxx 機型使用什麼軟體？

答：請參考 ADP3 與 ADP6 的[應用]/[設定工作參數]/[人機介面型號]

通常 PWS”n”，n<4000 為 ADP3，n>4000 為 ADP6.

(2.1) How to use the Ethernet for download?

Ans: Download from Ethernet:

1. Select [Options] / [Transmission Setup], choose Ethernet for PC communication port, picks one online HMI, correct IP will be automatically adjusted.
2. Or directly connect computer's network cable to PWS, and set the computer IP to make HMI and computer in the same domain. Now internet download is available.

(2.1) 該如何使用網路進行下載？

答：網路線下載方式：

1.選擇[選項]/[傳輸設定]，PC 通訊埠選擇 Ethernet，選擇一台已在線上的人機，會自動幫您調整為正確的 IP。

2.或是電腦直接將網路線連至 PWS 上，並設定電腦 IP，使電腦與人機在同一網域內，即可使用網路下載。

(2.2) How to use Logging Buffer?

Ans: Please follow below steps.

1. Select Menu [Application] / [Workstation Setup].
2. Select [Logging Buffer] tab.
3. Set Enable By:[Data Source], Set Logging Buffer address to read PLC data.
4. Set [Record size], set the number of words for each reading.
5. Set [Total Records], set the maximum numbers of sampling in Logging Buffer that is the maximum historical data could be read simultaneously.
6. If you want to repeatedly update the data, don't tick [Auto Stop]. If maximum records need to be kept, then tick [Auto Stop].
7. Set [Triggered By], set Sampling Time, (Timer) is trigger by HMI itself at a fixed period of time, or controlled by Dn+2~Dn+4's corresponding contact points.
8. Set trigger (Timer), and also [Time Interval], set sample period (unit: sec), need to watch that every buffer must not be overlap.

(2.2) 如何使用記錄緩衝區？

答：請根據以下步驟進行操作：

1. 選擇功能表中[應用]/[設定工作參數]。
2. 選擇[記錄緩衝區]標籤 。
3. 設定[資料來源]，設定記錄緩衝區讀取 PLC 資料的位址。
4. 設定[每筆長度]，設定每次讀取的 word 數。
5. 設定[總筆數]，設定記錄緩衝區中存放的最大取樣筆數，也就是在歷史資料理最多可同時調閱的資料筆數。
6. 如欲使資料反覆刷新，則不須勾選[自動停止]，若希望保留最大筆數的資料，就必須勾選。
7. 設定[觸發源]，設定記取樣時機，(Timer)是由人基本身固定時間週期觸發，或是由 PLC 控制

區的 Dn+2~Dn+4 所指定的對應接點而控制的。

8. 如設定(Timer)觸發，還須設定[時間間隔]，以設定取樣周期(單位:秒) 須注意每個緩衝區之間不能重疊。

(2.3) How to build usable file for Softpanel?

Ans: Compile and open .SP6 file.

(2.3) 如何建立 Softpanel 可使用的檔案？

答：編譯，開啟.SP6 檔案。

(2.4) How to use the Recipe?

Ans: Please follow the following steps:

1. First select [Application]/ [Workstation Setup]. In [Others] tab, tick [read/write recipe from/to PLC], and set PLC Recipe's saving address, recipe data size (no. of words in formula), quantity of recipe (how many formula), recommend to tick Edit Recipe Name and then edit the Recipe Name.
2. Get PWS everything ready and only waiting for the recipe, and then upload the recipe to PWS, and save the recipe file (RCP).
3. Select [Tool]/ [View/Edit Recipe], and [File]/ [Open], then select the uploaded recipe file.
4. Fill in the desired Recipe group number in [GO]'s left space.
5. Save the recipe after editing, and go back to ADP select [File]/ [Download Recipe].

(2.4) 配方如何使用？

答：請根據以下步驟進行操作

1. 首先選擇[應用]/[設定工作參數]，在標籤[其他]中，勾選[讀/寫配方 自/到 PLC]，並設定 PLC 儲存配方位址、配方資料長度(配方內含有幾 word 的資料)、配方總數(有幾種配方)，另外推薦勾選編輯配方名稱，並編輯配方名稱。
2. 將 PWS 做到萬事俱備,只欠配方的狀態，然後從 PWS 中上載配方，並儲存為配方檔案(RCP)。
3. 選擇[工具]/[編輯配方]，選擇[File]/[Open]，選擇剛剛上載的配方檔案。
4. 在[GO]的左方空格填上欲編輯配方組別。
5. 編輯配方完成後存檔，回到 ADP 選擇[檔案]/[下載配方]。

(2.5) How to use ADP Macros?

Ans: Please refer as bellow:

I. There are 3 kinds of Macros in [Application].

1. INITIAL Macros: as soon as entering to HMI's operating screen, execute Macros instruction once.
2. BACKGROUND Macros: When HMI is in operating status, it will repeat this Macro instruction, but only execute 30 rows each time.
3. CLOCK Macros: When HMI is in operating status, it will repeatedly perform the entire program of this Macro in a fixed 500ms period cycle.

II. There are 3 kinds of Macros in [Screen] menu.

1. OPEN Macro: execute this Macro instruction once when opening the screen.
2. CLOSE Macro: execute this Macro instruction once when closing the screen.
3. CYCLIC Macro: The program of this Macro will execute repeatedly when HMI stays at this screen.

III. There are ON Macro and OFF Macro buttons.

1. ON Macro: When the button is ON, execute this Macro instruction once.
2. OFF Macro: When the button is OFF, execute this Macro instruction once.

IV. You can create secondary Macro in [Object] menu. Secondary Macro is the subroutine of Macro.

(2.5) ADP 巨集如何使用？

答：請參考以下說明：

(一) 在[應用]功能表中有三種巨集指令：

1. INITIAL 巨集:一進入人機執行畫面的瞬間，執行一次此巨集內的指令。
2. BACKGROUND 巨集:當人機在執行狀態時，就會重覆執行此巨集內的指令，但每次只執行 30 行。
3. CLOCK 巨集:當人機在執行狀態時，會以固定 500ms 為週期循環執行此巨集內的所有程式。

(二) 在[畫面]功能表中也有三種巨集指令 ：

1. OPEN 巨集:當此畫面被開啟的瞬間，執行一次此巨集內的指令。
2. CLOSE 巨集:當此畫面被關閉的瞬間，執行一次此巨集內的指令。
3. CYCLIC 巨集:當人機停留在此畫面時，此巨集內的程式會被循環執行。

(三) 在按鈕中有 ON 巨集與 OFF 巨集：

1. ON 巨集:當此按鈕為 ON 時，執行一次此巨集內的指令。
2. OFF 巨集:當此按鈕為 OFF 時，執行一次此巨集內的指令。

(四) 在[元件]功能表中可以建立次巨集，次巨集為巨集程式的副程式。

(2.6) How to operate ADP control area, status area?

Ans: Select [Application]/ [set working parameter] set control area and status area's address and size (control area could have min. 2 words to max. 32 words, If there is a recipe, it must has min. 6 words as following Image2_01).

↓ **status area**

Dm	Screen Status Register (SNR)
Dm+1	General Status Register (GSR)
Dm+2	Logging Buffer Status Register #1 (LBSR1)
Dm+3	Logging Buffer Status Register #2 (LBSR2)
Dm+4	Logging Buffer Status Register #3 (LBSR3)
Dm+5	RCPNO Image Register (RIR)
Dm+6	Reserved

↓ Control Area

Dn	Screen Number Register (SNR)
Dn+1	Command Flag Register (CFR)
Dn+2	Logging Buffer Control Register #1
Dn+3	Logging Buffer Control Register #2
Dn+4	Logging Buffer Control Register #3
Dn+5	RCPNO Number Register (RNR)
Dn+6~+31	General User Area Register (GUAR) User's application registers CB**n**, **n** must not exceed 31.

(2.6) 控制區、狀態區控制區、狀態區如何使用？

答：選擇[應用]/[設定工作參數]設定控制區及狀態區的位址及大小

(控制區最多到 32words，最少為 2words，若有配方，最少需要 6words，如圖示 Image2_01)。

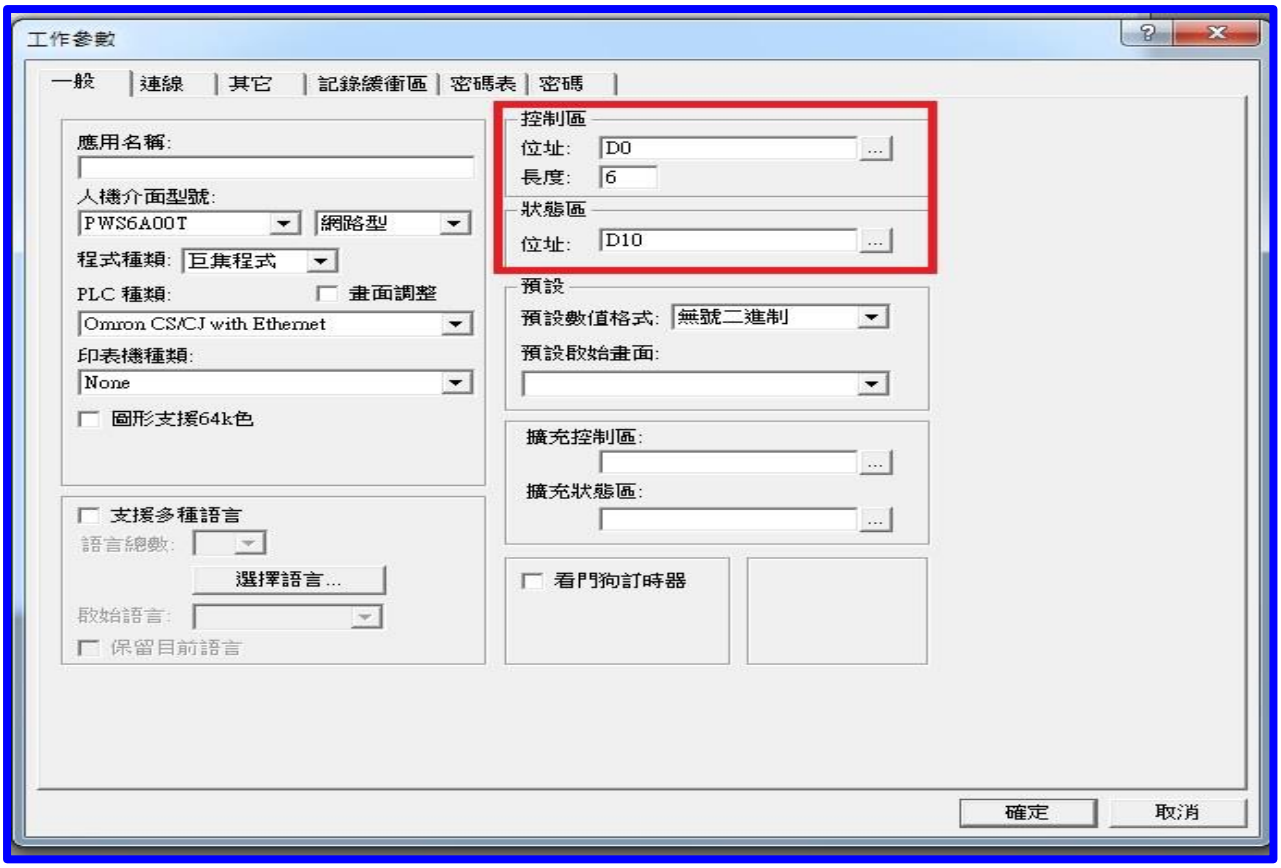
↓控制區

Dn	畫面編號控制暫存器
Dn+1	控制命令旗幟暫存器
Dn+2	紀錄緩衝區控制暫存器#1
Dn+3	紀錄緩衝區控制暫存器#2
Dn+4	紀錄緩衝區控制暫存器#3
Dn+5	配方編號控制暫存器
Dn+6~+31	使用者應用暫存器

↓狀態區

Dm	畫面狀態應答暫存器
Dm+1	動作狀態應答暫存器
Dm+2	記錄緩衝區狀態應答暫存器#1
Dm+3	記錄緩衝區狀態應答暫存器##2
Dm+4	記錄緩衝區狀態應答暫存器#3
Dm+5	配方編號應答暫存器
Dm+6	PWS700X Key 狀態應答暫存器

↓Image2_01



(2.7) How to control HMI's backlight?

Ans: 2 ways:

1. Select [Element]/[Button]/[Function Key], draw the function key on screen, and double click the function key. Set [Function key] as backlight off.
2. Select [Application]/[slide-out menu]. Add function column and select [function button], click […], and set [function] as backlight off. After complete the setting, it is ready to use the function key next to HMI screen to turn off the backlight.
   Note:When backlight is off, just have to click PWS screen once to turn on the backlight.

(2.7) 如何控制人機背光燈開關？

答：兩種方法：

1. 選擇[元件]/[按鈕]/[功能鍵]後，在畫面上畫出此功能鍵，連點兩下此功能鍵，[功能]區塊設定為關閉背燈。
2. 選擇[應用]/[滑出式菜單]，新增後功能欄選擇[功能按鈕]，點擊[…]，[功能]區塊設定為關閉背燈，設定完成後就能使用人機螢幕旁的功能鍵關閉背燈。
   備註：關閉背燈後，只需再點擊一次 PWS 的螢幕即可開啟背燈。

(2.8) How to use static image and GIF files placed ADP screen?

Ans: Static Image:

"Draw"→"static image"→draw a box in the picture→click the box→select "bitmap"

GIF Image:

”Dynamic image”→"GIF Animation"→Draw a box in picture→click the box→select "

(2.8) 如何將靜態圖片與 GIF 圖放上 ADP 畫面？

答：靜態圖：”繪圖” →”靜態圖”→在畫面中劃出一個圖框→點選圖框→選擇”點陣圖”。

GIF 圖：”動態圖”→”GIF 動畫”→在畫面中劃出一個圖框→點選圖框→選擇”圖”。

(2.9) How to use historical trend graph?

1. Set the record buffer.
2. “Component”→“Historical trend graph” draw the desire picture.
3. Click right mouse and select “Historical trend graph”→Component properties.
4. “Logging buffer number” correspond to “Logging buffer”→“Logging buffer#”.
5. Curve number should correspond to the record length of “Logging buffer”.
   For example, “record length” of “Logging buffer1” is 12, so there are 12 curves could work.
   If “Record length” is 5, then there are only 5 curves could work.
6. “Number of Grids” is the numbers of grind lines on Y axis.
7. X axis is for time display.

(2.9) 如何使用歷史趨勢圖？

答：1. 設定好紀錄緩衝區。

2. ”元件”→”歷史趨勢圖”畫出想要的大小。
3. 右鍵點選”歷史趨勢圖”元件→元件屬性。
4. ”紀錄緩衝區編號”應對”紀錄緩衝區”→”紀錄緩衝區#”。
5. 曲線編號應對此一”紀錄緩衝區”內的資料長度。
   例如:”紀錄緩衝區 1”的”每筆長度”為 12，則能動作的曲線則有 12 條，若是”每筆長度”為 5，則能動作的曲線則有 5 條。
6. ”橫格數”為 Y 軸上設置的格線數目。
7. X 軸固定用來顯示時間。

(2.10) How to insert external images into ADP?

Ans: Select [Library] /[Bitmap Library]/ [Enter].

After the image processing is completed, select [save to gallery].

(2.10) 外部圖片如何引進 ADP 裡使用？

答：選擇[資源庫]/[點陣圖庫]/[輸入]

圖片處理完成後選擇[輸出製圖庫]

(2.11) How to use Logging Buffer?

Ans: Please follow below steps.

1. Select Menu [Application] / [Workstation Setup].
2. Select [Logging Buffer] tab.
3. Set Enable By:[Data Source], Set Logging Buffer address to read PLC data.
4. Set [Record size], set the number of words for each reading.
5. Set [Total Records], set the maximum numbers of sampling in Logging Buffer that is the maximum historical data could be read simultaneously.
6. If you want to repeatedly update the data, don't tick [Auto Stop]. If maximum records need to be kept, then tick [Auto Stop].
7. Set [Triggered By], set Sampling Time, (Timer) is trigger by HMI itself at a fixed period of time, or controlled by Dn+2~Dn+4's corresponding contact points.
8. Set trigger (Timer), and also [Time Interval], set sample period (unit: sec), need to watch that every buffer must not be overlap.

(2.11) 記錄緩衝區如何使用？

答：請根據以下步驟進行操作：

1. 選擇功能表中[應用]/[設定工作參數]
2. 選擇[記錄緩衝區]標籤
3. 設定[資料來源]，設定記錄緩衝區讀取 PLC 資料的位址
4. 設定[每筆長度]，設定每次讀取的 word 數
5. 設定[總筆數]，設定記錄緩衝區中存放的最大取樣筆數，也就是在歷史資料理最多可同時調閱的資料筆數
6. 如欲使資料反覆刷新，則不須勾選[自動停止]，若希望保留最大筆數的資料，就必須勾選
7. 設定[觸發源]，設定記取樣時機，(Timer)是由人基本身固定時間週期觸發，或是由 PLC 控制區的 Dn+2~Dn+4 所指定的對應接點而控制的。
8. 如設定(Timer)觸發，還須設定[時間間隔]，以設定取樣周期(單位:秒)；需注意每個緩衝區之間不能重疊。

(2.12) How does PWS upload and download? (5 ways: Serial, USB, Ethernet, USB stick, CF)?

Ans: 1. Serial: Press F2 in System Screen to set Read COM port & USE COM port.
Change page and set the correlation value.

2. USB: USB Press F2 in System Screen to set USB.
3. Ethernet: Ethernet Press F2 in System Screen to set Ethernet.
Change page and set IP address.
4. USB stick: There is already a project in the HMI, and in the implementation, insert the USB Stick.
5. CF: There is already a project in the HMI, and in the implementation, insert the CF card.

(2.12) PWS 如何上下載(5 種方式。Serial, USB, Ethernet, USB stick, CF)?

答：1. Serial：在系統畫面按 F2 設定能讀取的 COM 點與要使用的 COM 點，換頁設定相關數值。
2. USB：在系統畫面按 F2 設定使用。
3. Ethernet：在系統畫面按 F2 設定使用，換頁設定 IP 位址 。
4. USB stick：在人機內已有程式並且執行中的情形下，將 USB stick 插入 。
5. CF：在人機內已有程式並且執行中的情形下，將 CF 插入 。

(2.13) Why PLC is not responding when Softpanel is set and no communication errors?

Ans: Do not tick simulation for Softpanel.

(2.13) Softpanel 已設定好，也無出現通訊錯誤，為何 PLC 沒有相對應之動作?

答：Softpanel 取消勾選模擬。

(2.14) How to print report on Softpanel?

Ans: Create a [print screen] function key in Softpanel setting.

(2.14) Softpanel 如何列印報告?

答：在 Softpanel 設定下建立一個[列印畫面]功能鍵。

(3.1) What is the reason of "Firmware Checksum Error"?

Ans: 1. DIP 3 &4 off, flash RAM checking will remove the program which makes HMI Firmware Checksum Error.

2. Uncompleted download (eg. It's disconnected when download to halfway). It can be re-download by "Download firmware and applications"

(3.1) Firmware_Checksum_Error 出現原因？

答：1. DIP 3 &4 off, 檢查 flash RAM 會將程式洗掉，導致人機出現 Firmware Checksum Error。

2.下載不完全(e.g.下載到一半斷線)，使用"下載軔體及應用"重新下載即可。

(3.2) When turn on the HMI it shows "RTC Function Test……. Failed". What to do?

Ans: 2 Reasons:

1. New machine has battery isolation sheet, so HMI cannot detect the battery. Remove the isolation sheet will fix the problem.
2. It's because of HMI's battery consumption. To charge the battery, do no turn off the battery. If turned off HMI, it will consume the battery power naturally.

(3.2) RTC_Function_Test……Failed 開機出現"RTC Function Test……. Failed" 字樣該怎麼辦?

答：2 個原因：

1.新機側邊有電池隔離紙，致人機偵測不到電池。將電池隔離紙抽掉即可。

2.人機電池電力耗損所致；人機接上電不關機進行充電；人機於關電狀態下會自然消耗電池電力，請將人機進行充電。

(3.3) USB driver XP/Win7/Win8 Installation

Ans:Win7/XP 32/64 bit Installation Download path:

https://mega.co.nz/#!LRJT1ZpB!NG0FDhZofXrnRZjB5OHIYxRrGxHBrwlxOC-axEwBbnc

Note: If you use 64 bit should be noticed on step 13 to reboot HMI.

1. Change HMI's Download/Upload port to be USB.
2. Back to Wait Command.
3. Prepare a USB cable; plug the square pin to HMI, and rectangle pin to USB2.0 of computer. During installation, please Do Not be disconnected
4. If the ADP USB driver has not been installed yet, install it now.
5. If USB driver is installed successfully, the computer will need to be rebooted before the function can be used.
6. If the USB driver is not installed successfully, please go to "Device Manager", exclamation mark will be shown in the USBDev.
7. Double click on the exclamation mark, and click on "Update USB driver".
8. Please refer as following Image3_01.
9. Please refer as following Image3_0
10. Please refer as following Image3_0

11. Please refer as following Image3_0
12. For Win7 32bits please choose C:\Program Files (x86)\Beijer_ADP\v6.7.0\USB_Driver\x86\USBDev.INF.
    For Win7 64bits please choose C:\Program Files (x86)\Beijer_ADP\v6.7.0\USB_Driver\x64\USBDev.INF.
13. After installation please reboot HMI.
14. On ADP software choose Options --> Transmission Setup.
15. On ADP software choose Application --> Compile, and then Download Firmware and Application.

(3.3) USB driver XP/Win7/Win8 安裝

答：Win7/XP 32/64 位元的安裝方法如下：

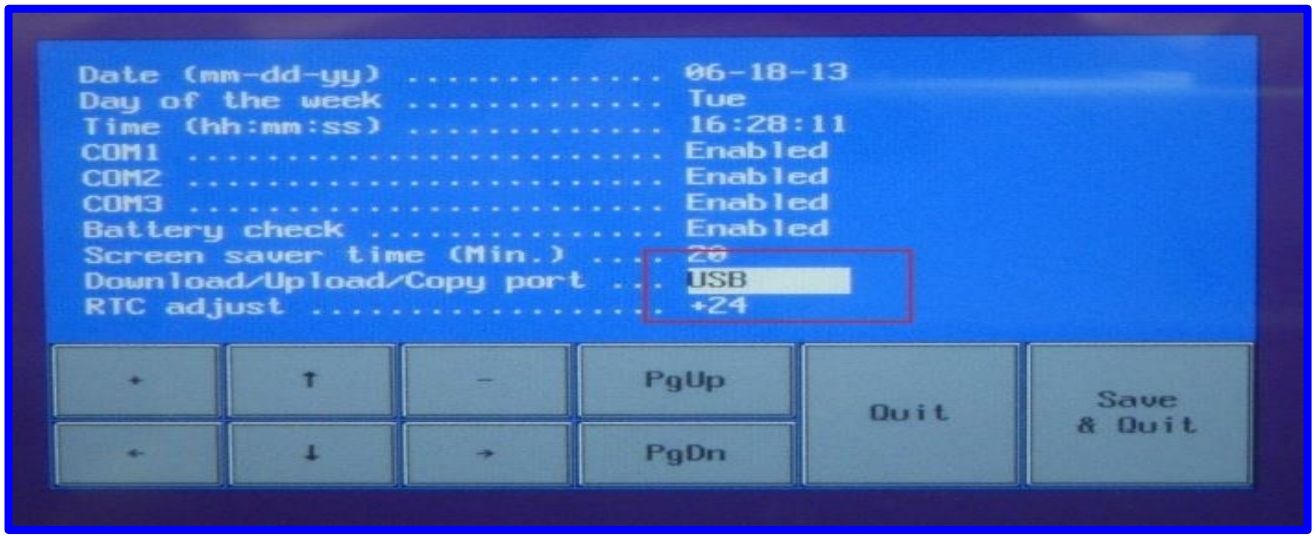
下載位址：

https://mega.co.nz/#!LRJT1ZpB!NG0FDhZofXrnRZjB5OHIYxRrGxHBrwlxOC-axEwBbnc

備註：64 位元系統需注意第 13 步：重開人機。

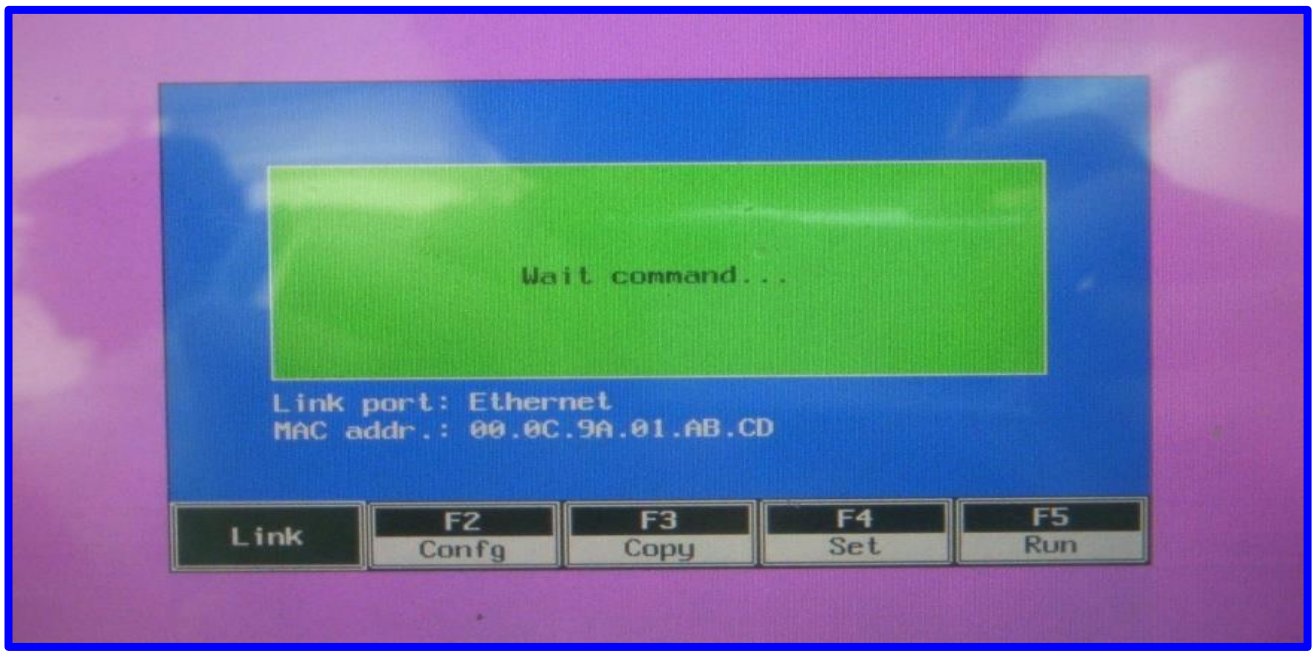
1.將人機之上下載 port 改為 USB，如圖示 Image3_01。

↓Image3_01



2.回到 Wait Command，如圖示 Image3_02。

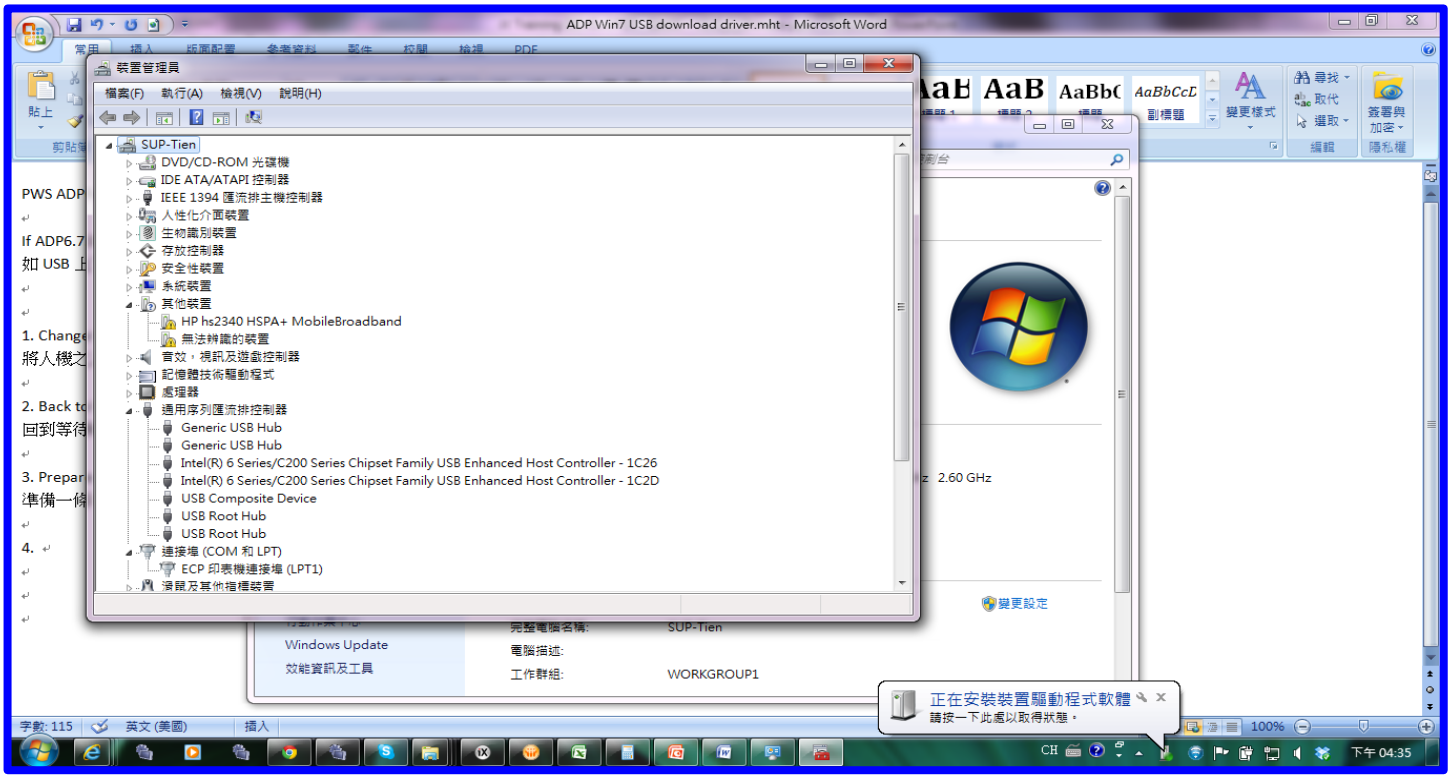
↓Image3_02



3.準備一條 USB 傳輸線，一邊插入人機之方型 USB 孔，一邊插入電腦之 USB2.0 長方型孔。安裝期間請勿斷線。

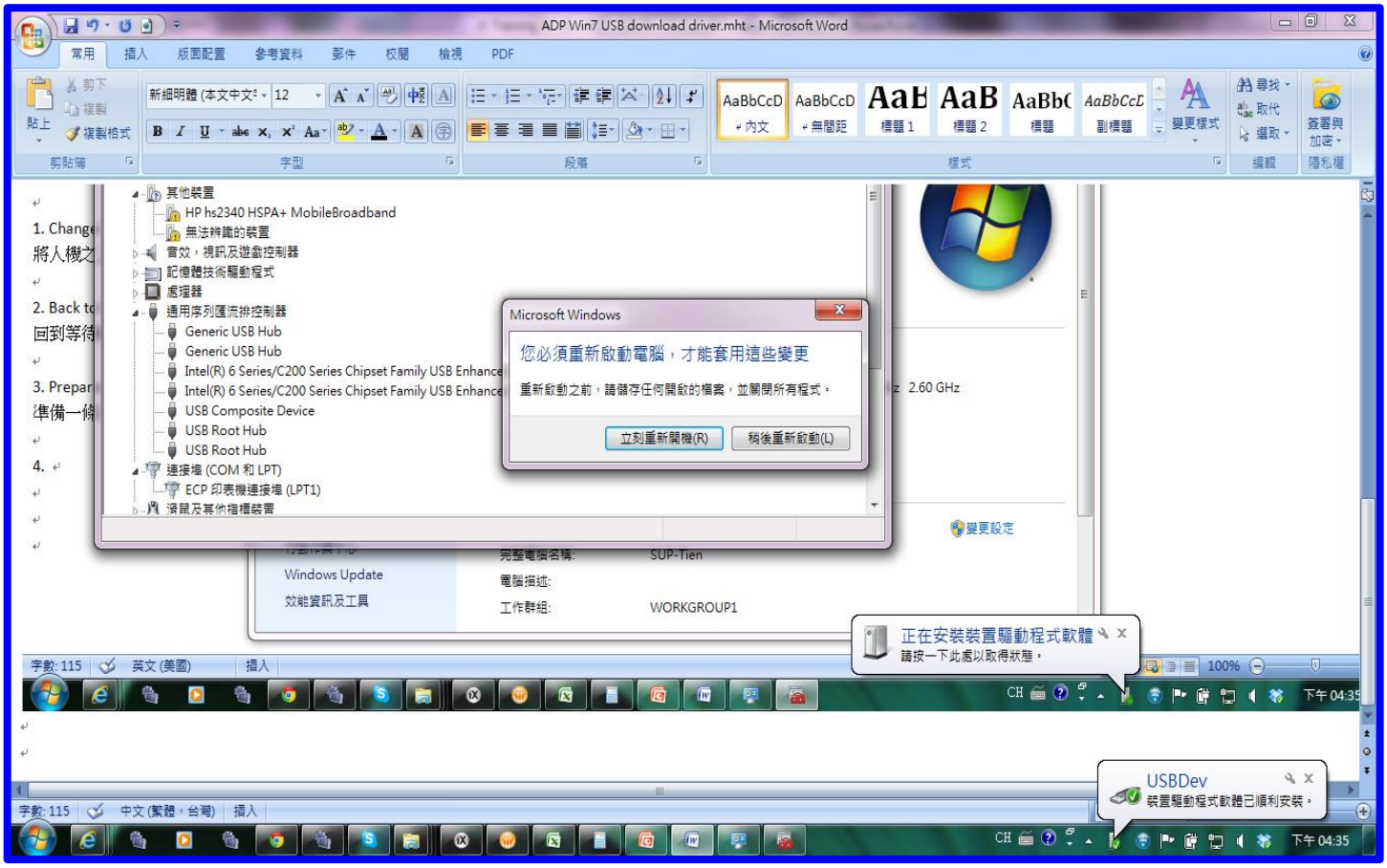
4.如果之前 ADP USB 驅動程式沒有被安裝過，現在將進行安裝，如圖示 Image3_03。

↓Image3_03



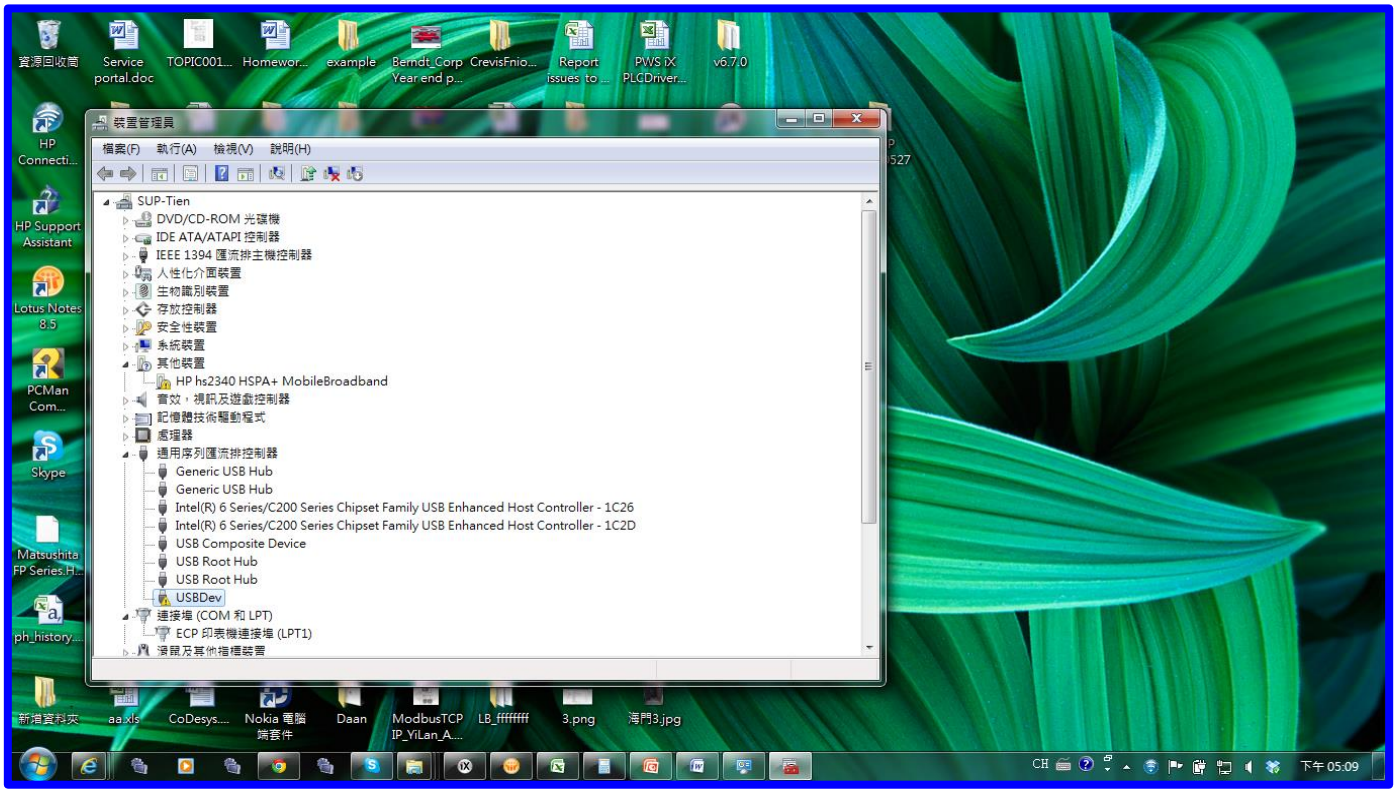
5.如順利安裝完成將顯示如圖右下角 "裝置驅動軟體已順利安裝"，並必須重新啟動電腦，才能使用此功能，如圖示 Image3_04。

↓Image3_04



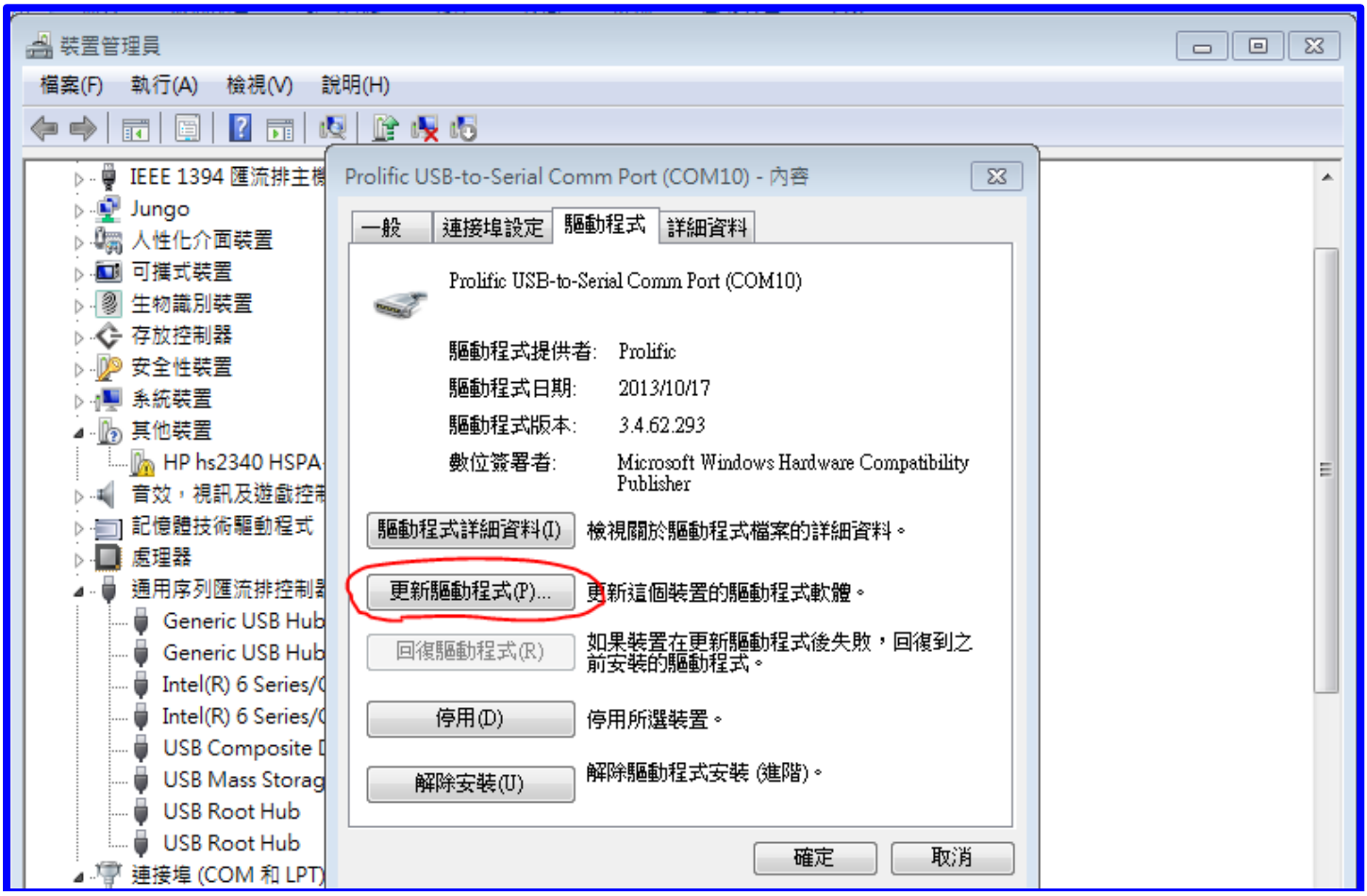
6.如果沒有安裝成功，請至 "裝置管理員"，將可看到 USB 匯流排顯示為驚嘆號，如圖示 Image3_05。

↓Image3_05

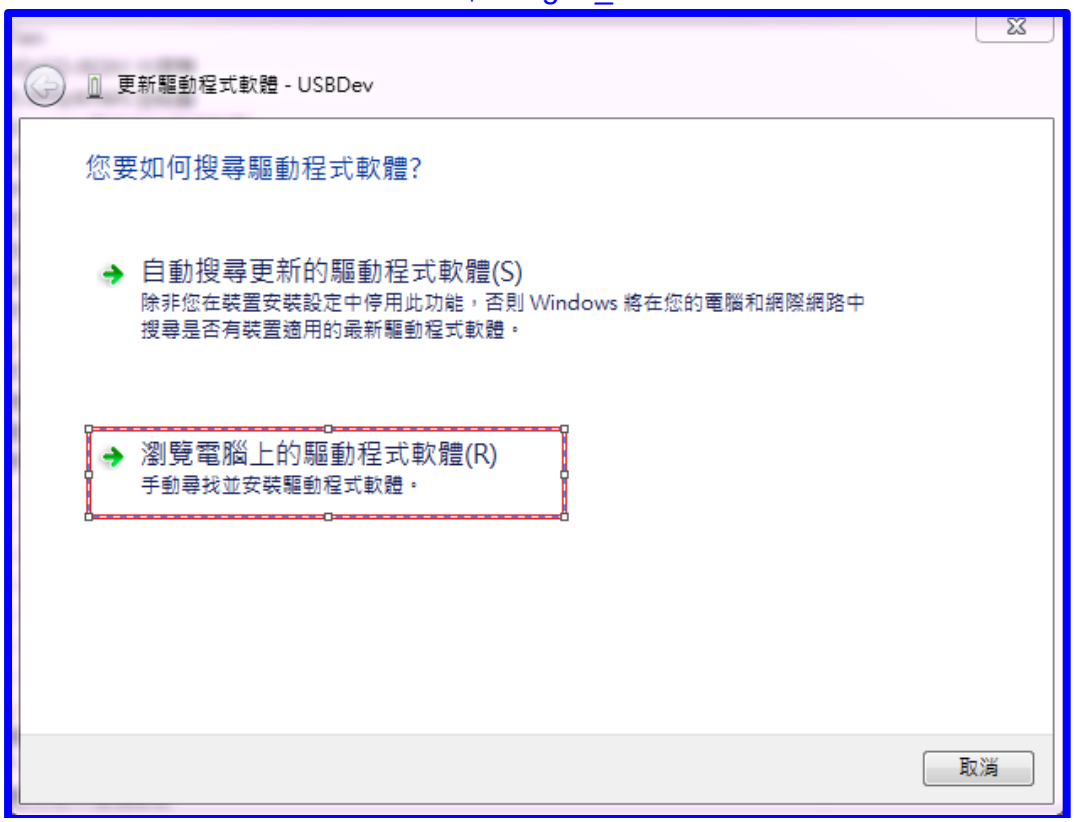


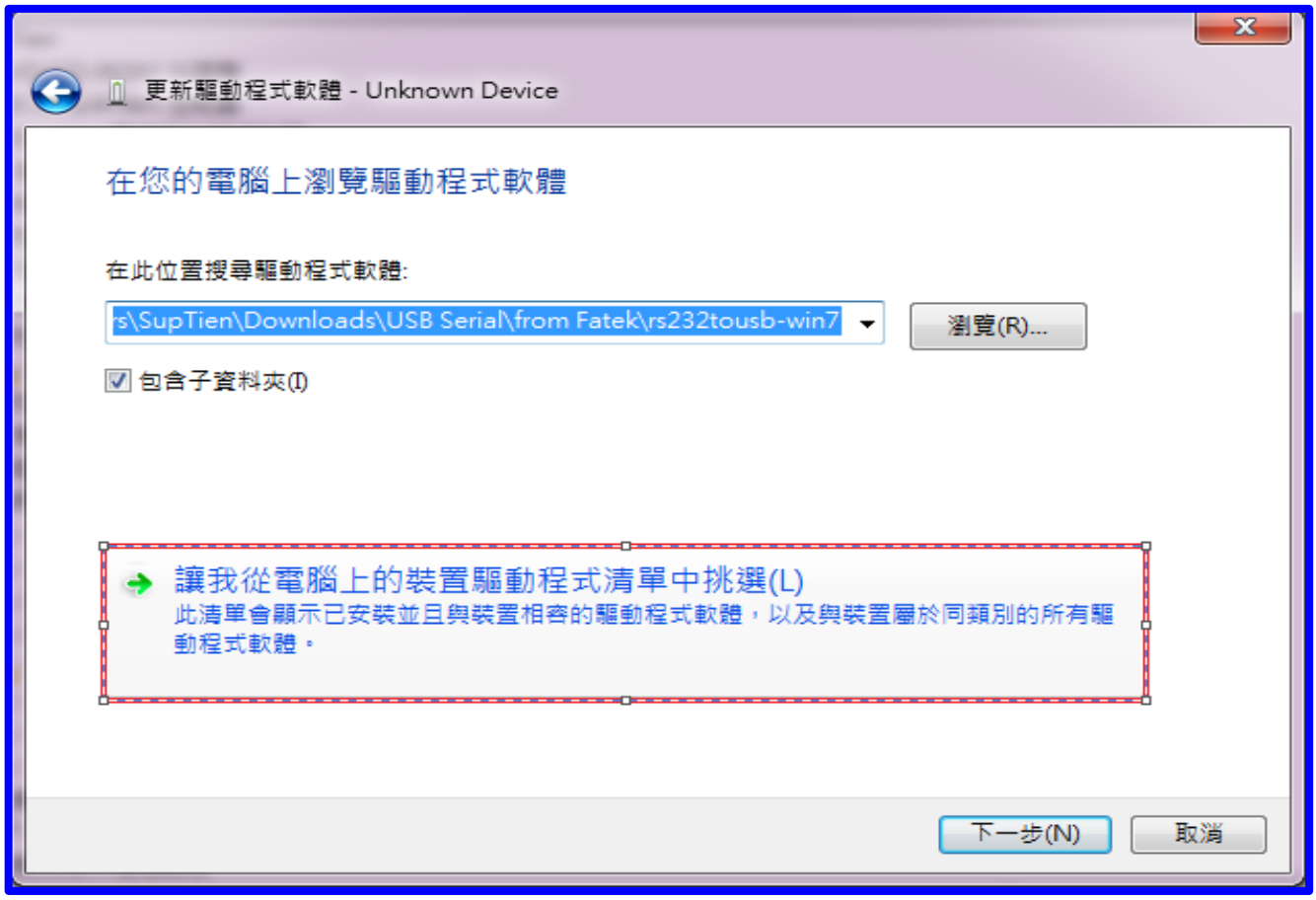
7.雙擊驚嘆號，選擇"更新驅動程式軟體"，如圖示 Image3_06 ~ Image3_10。

↓Image3_06



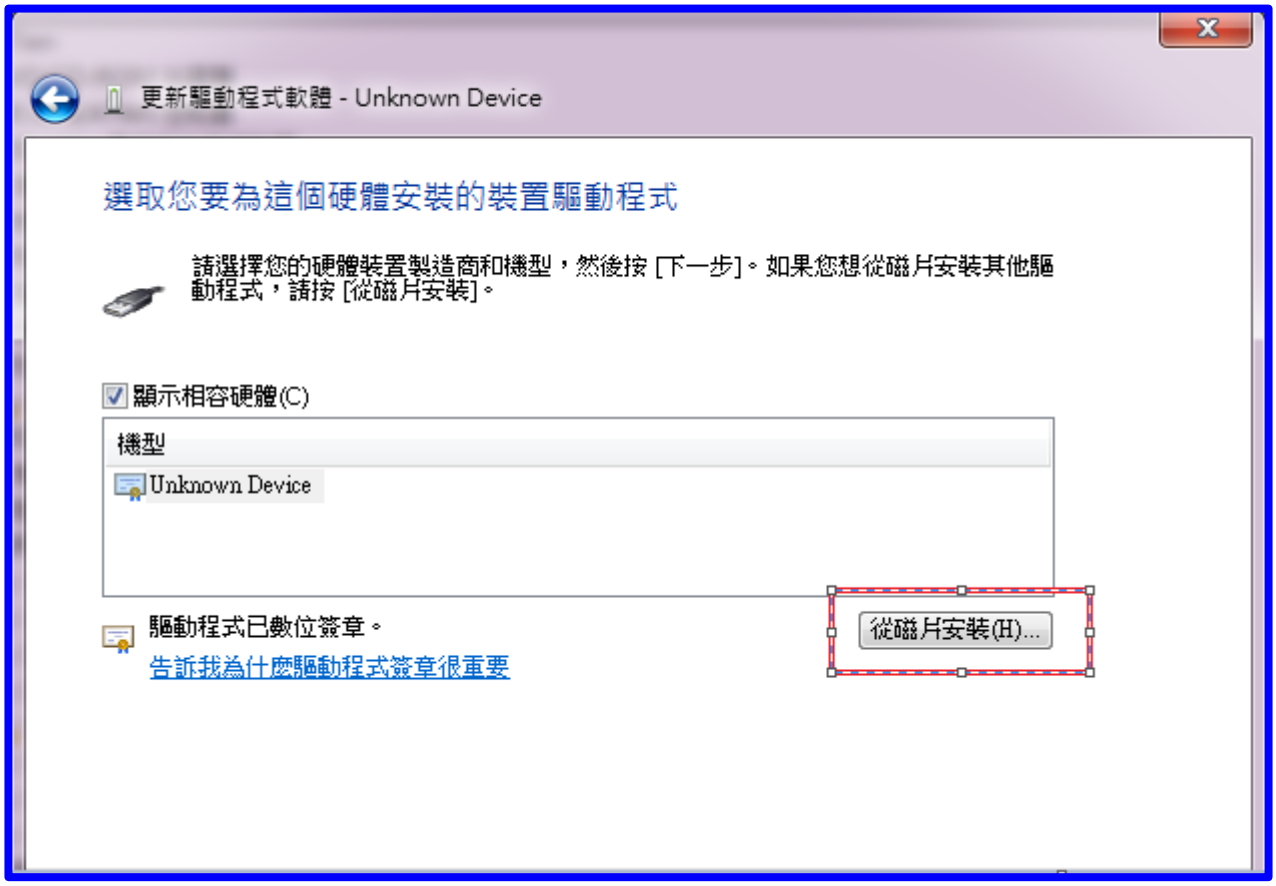
↓Image3_07





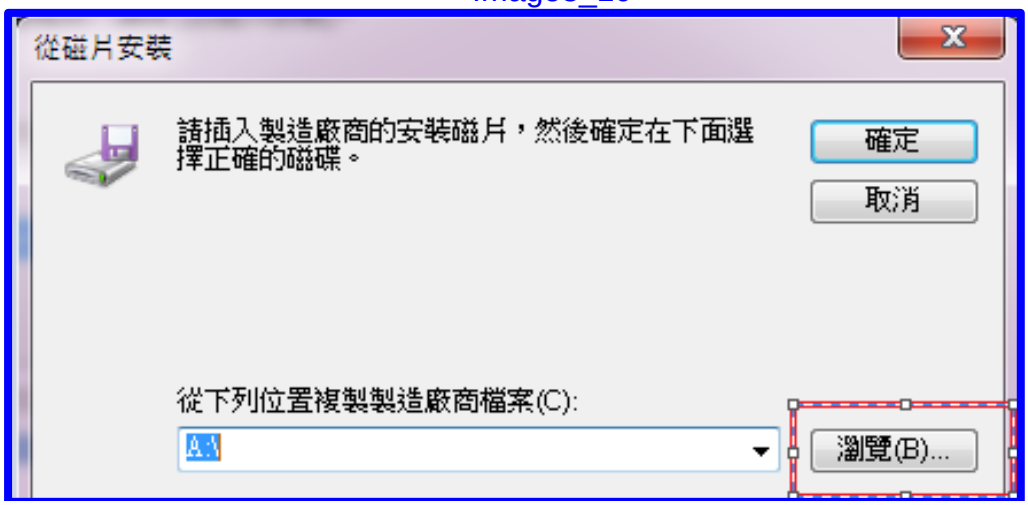
↓ Image3_08

↓ Image3_09



↓

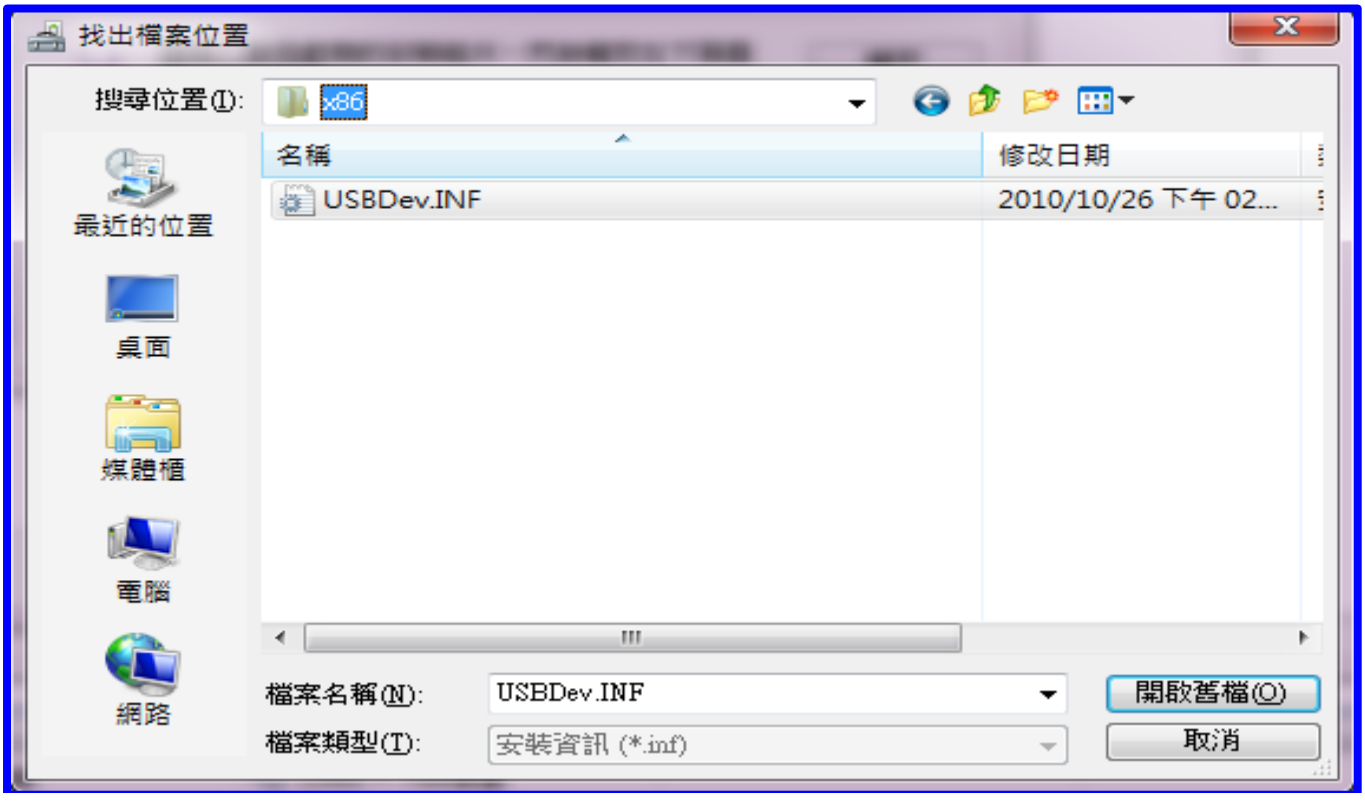
Image3_10



8.若為 Win7 32 位元請選擇 C:\Program Files (x86)\Beijer_ADP\v6.7.0\USB_Driver\x86\USBDev.INF.(如圖示 Image3_11。)

若為 Win7 64 位元請選擇 C:\Program Files (x86)\Beijer_ADP\v6.7.0\USB_Driver\x64\USBDev.INF. (如圖示 Image3_11。)

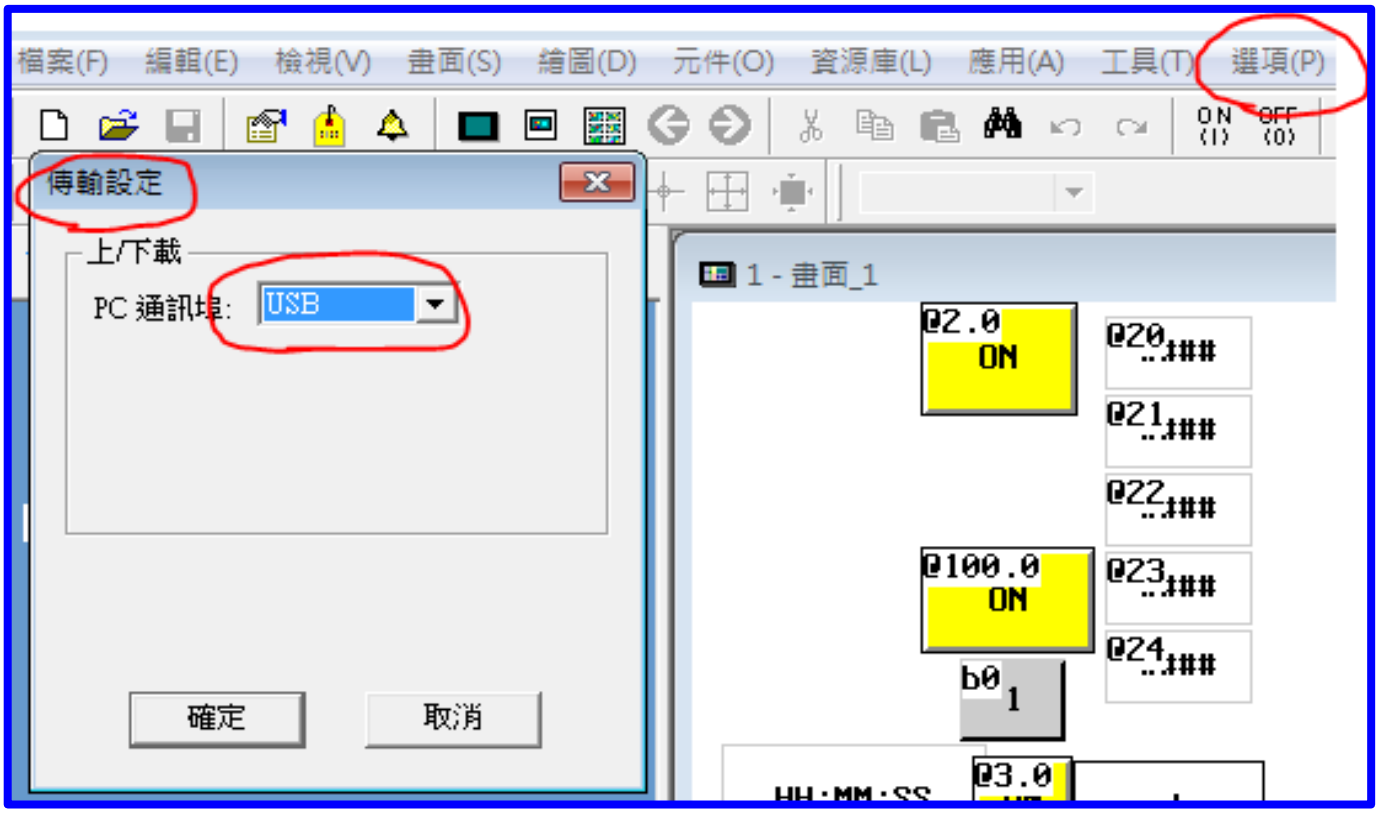
↓ Image3_11



9.安裝完後請將人機重新開機。

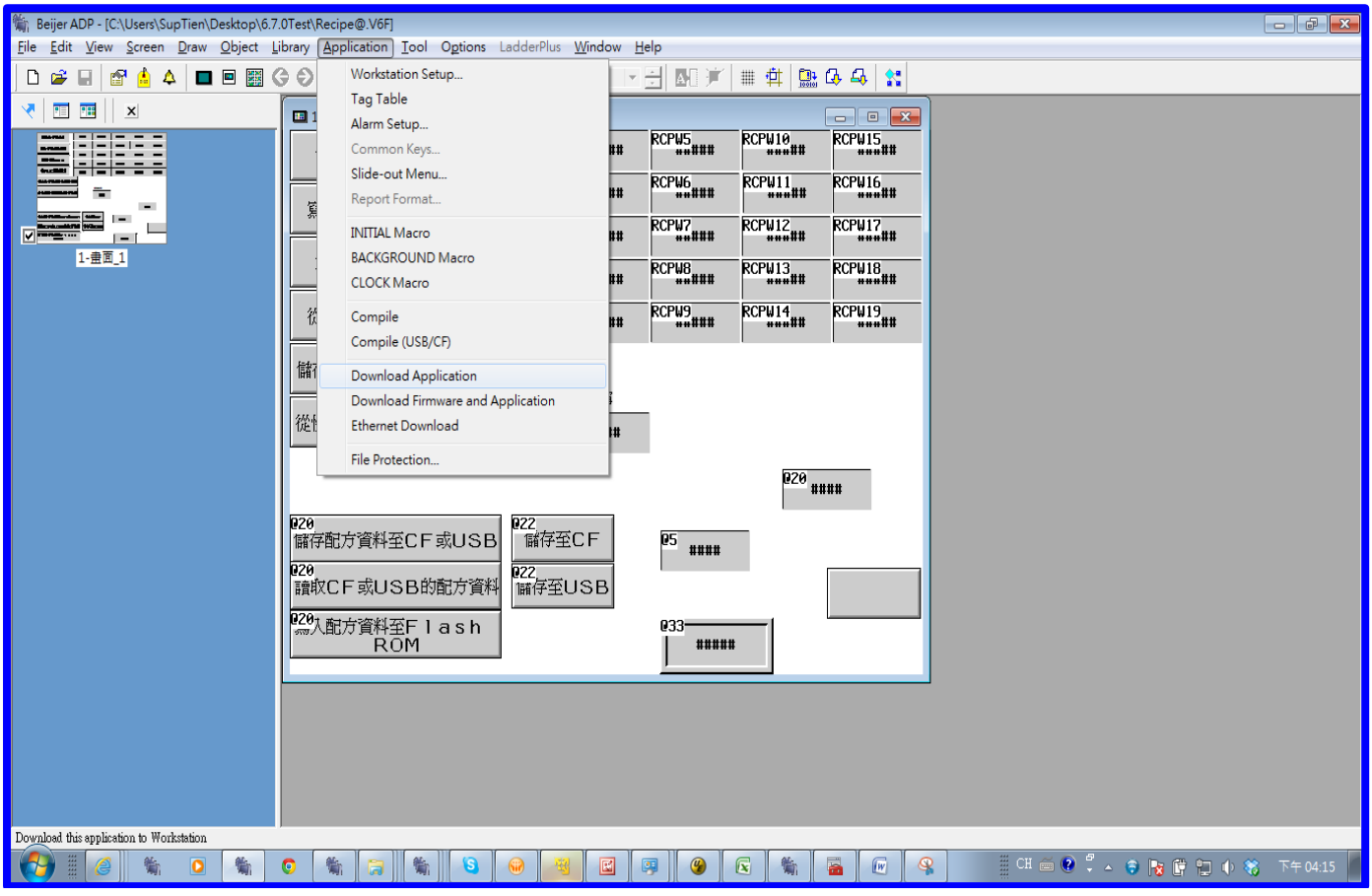
10.ADP 軟體選擇 "選項" --> "傳輸設定"，如圖示 Image3_12。

↓Image3_12



11.ADP 軟體選擇 "應用"--> "編譯"，再 "下載韌體及應用，如圖示 Image3_13。

↓Image3_13



(3.4) Win8/8.1 Installation

Ans: Download Path as below:

https://mega.co.nz/#!PQw02RqZ!ga306hvqjzhBhOaUT49Arq7hHSM34W5mtrfeus-PpdQ

If it's win8.1, step4 please choose "Update and recovery".

1. Click "settings" on right side of the screen shown as below.
2. Click "Change computer settings" as following.
3. "Computer Settings" window shows up, click "normal" and then choose "Reboot Immediately". Please refer to below charts.
4. Wait for computer to reboot.
5. Click "Troubleshooting" shown as below.
6. Click "Advanced options".
7. Click "Start Setting" as below chart.
8. Click "Reboot" shown as below.
9. Press 7 on keyboard for 7) Enforcement of disable driver. The computer will reboot after setting.
10. Below chart shows un-installation of ADP USB Driver in computer system administrator.
11. Open Windows Program Files; find ADP software installation path and ADP USB Driver's (USBDev.INF) location shown as below.

Open USB_Driver folder, and go to x64, find USBDev.INF file and click right mouse. Select "Installation". Steps shown as below chart. (ADP V6.8.0 and up is recommended)

C:\Program Files (x86)\Beijer_ADP\v6.8.0\USB_Driver\x64.

12. Choose "Continue install this driver software".
13. Installation completed.
14. HMI Power on and connect USB Cable to PC. Go to "Device Manager" in PC and you will see "USBDev" under "Universal Serial Bus Controllers".
15. Now USB Driver installation is complete. Open ADP software, and go to "Options", then select "Transfer settings" and choose "USB". Application file is ready to download now.

(3.4) Win8_USB 驅動程式的安裝方法

答：下載位址如下：

https://mega.co.nz/#!PQw02RqZ!ga306hvqjzhBhOaUT49Arq7hHSM34W5mtrfeus-PpdQ

如果是 win8.1 第四步請改選"Update and recovery"

1.滑鼠移動到視窗右方， 點選"設定"，如圖示 Image3_14。

↓Image3_14

2.再點選”變更電腦設定”，如圖示 Image3_15。

↓Image3_15

3.會出現”電腦設定”視窗， 點選”一般”,並選擇”立即重新啟動”，如圖示 Image3_16。

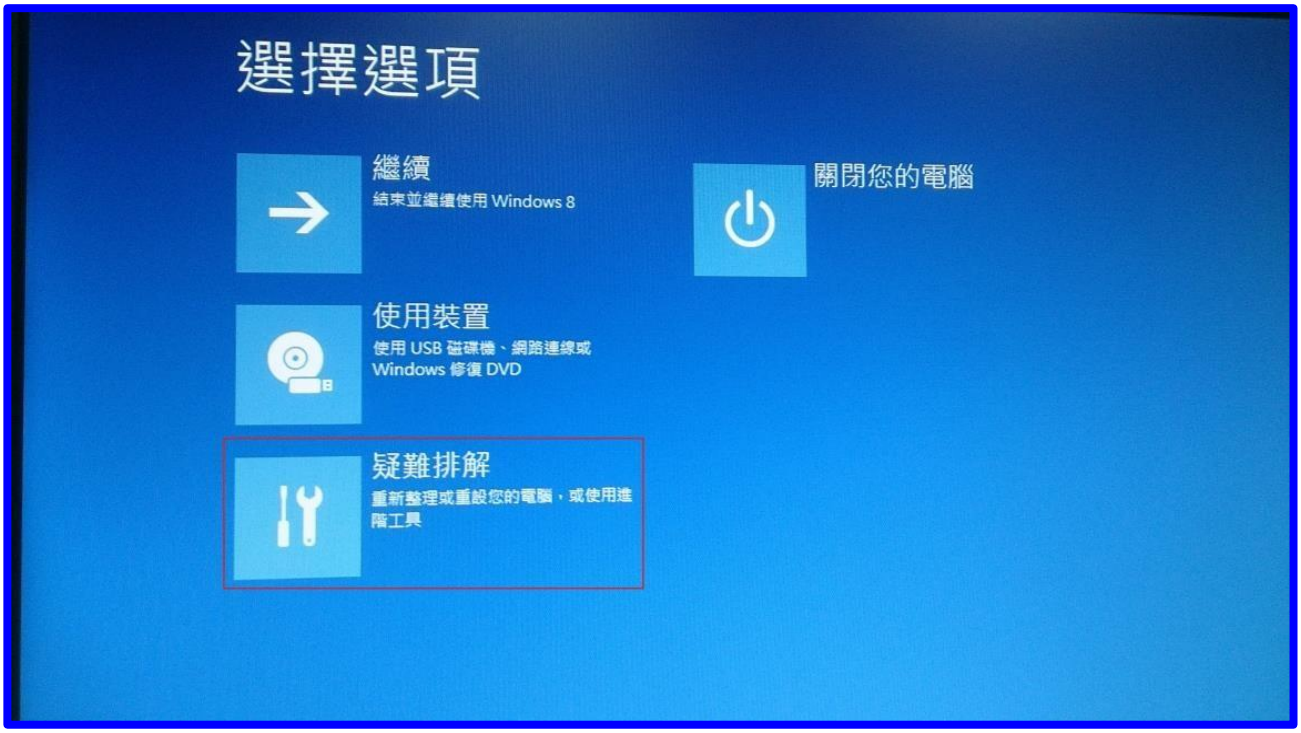
↓Image3_16

4.等待電腦重新啟動後，如圖示 Image3_17。

↓Image3_17

5.點選”疑難排解”，如圖示 Image3_18。

↓Image3_18



6.然後出現下圖，點選”進階選項”，如圖示 Image3_19。

↓Image3_19

7.然後出現下圖，點選”啟動設定”，如圖示 Image3_20。

↓Image3_20

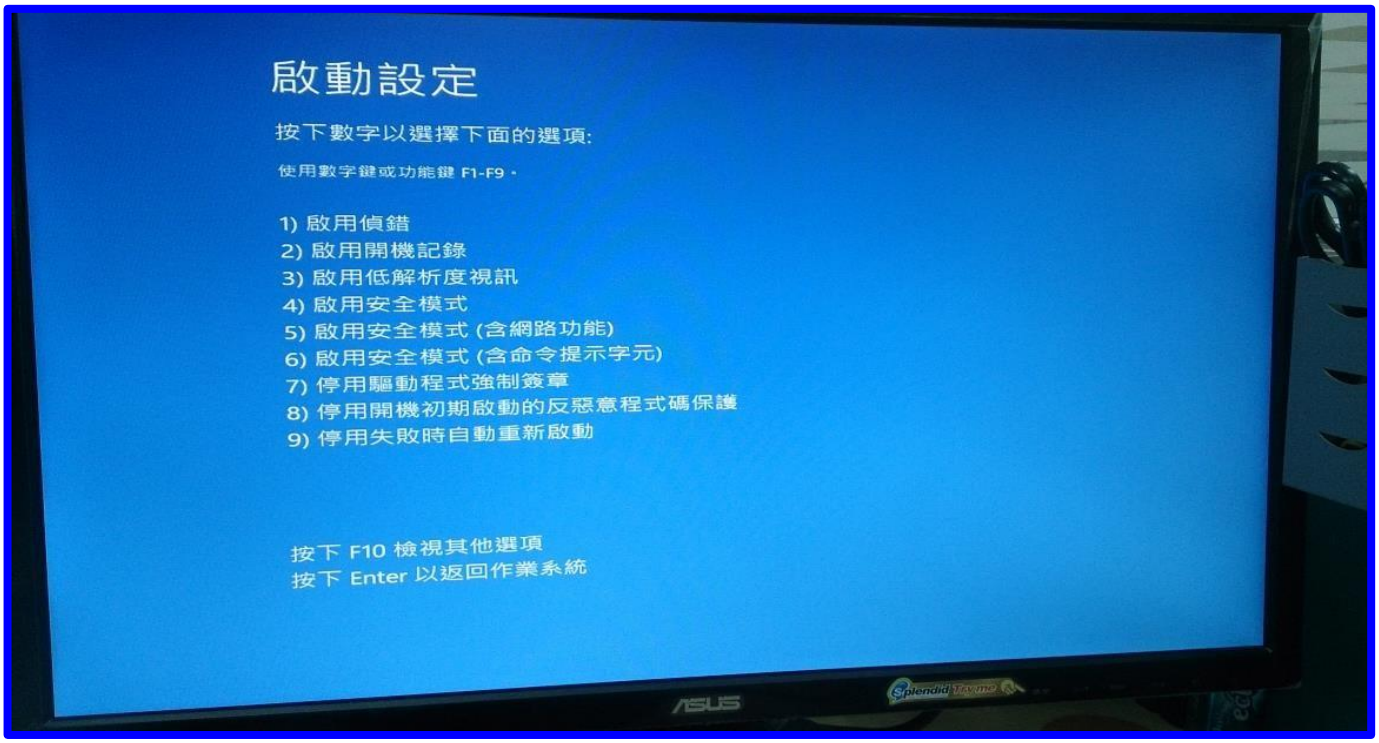
8.然後會出現下圖，點選”重新啟動”，如圖示 Image3_21。

↓Image3_21

9.然後會出現此畫面如圖示 Image3_22，選擇”7，停用驅動程式強制簽章”，按下鍵盤上 7 如圖示 Image3_23，電腦將會重新啟動.。

↓Image3_22

↓Image3_23



10.下圖是還沒安裝“ADP USB Driver”在電腦裝置管理員的狀態，如圖示 Image3_24。

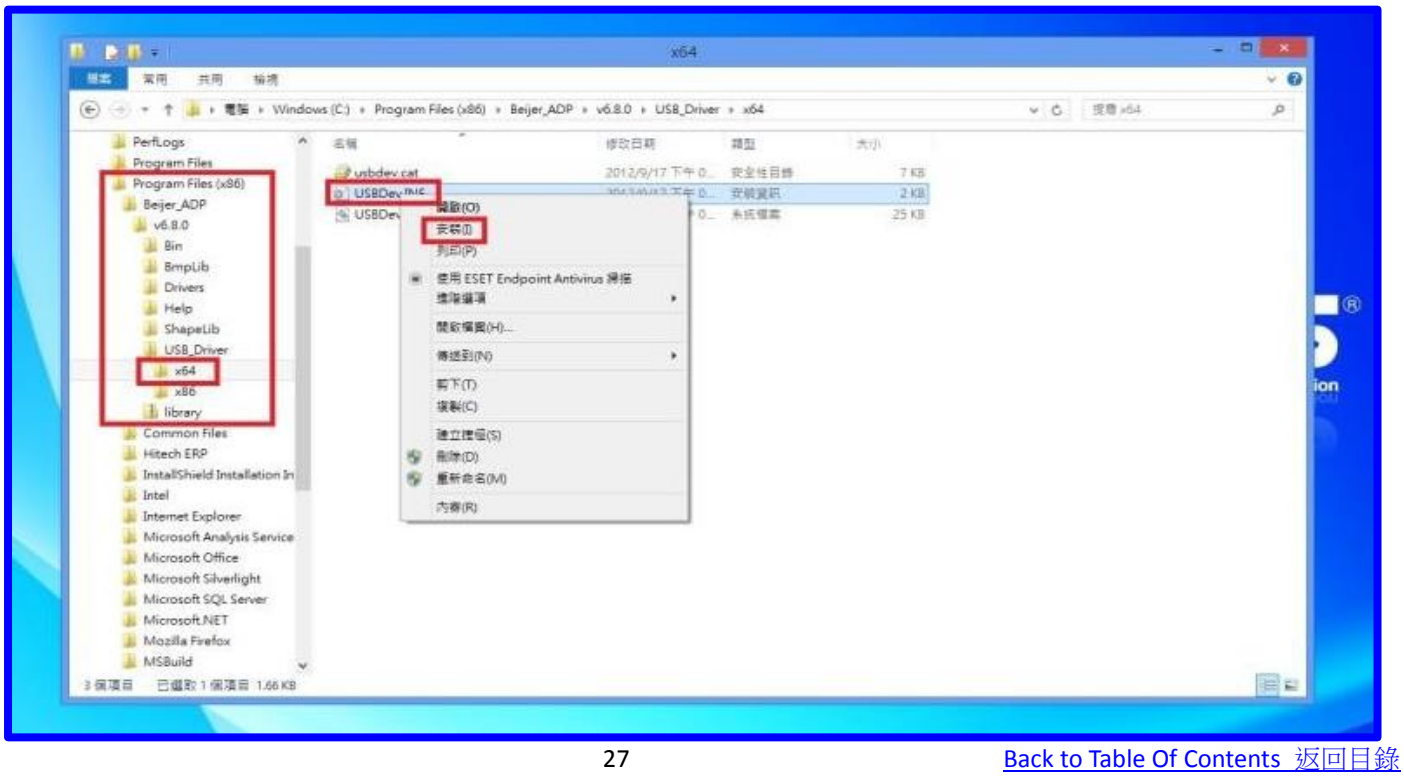
↓Image3_24

11.開啟 Windows 檔案總管，並尋找 ADP 軟體安裝的路徑，及 ADP USB Driver 的 USBDev.INF

所在位置，例如下面路徑：

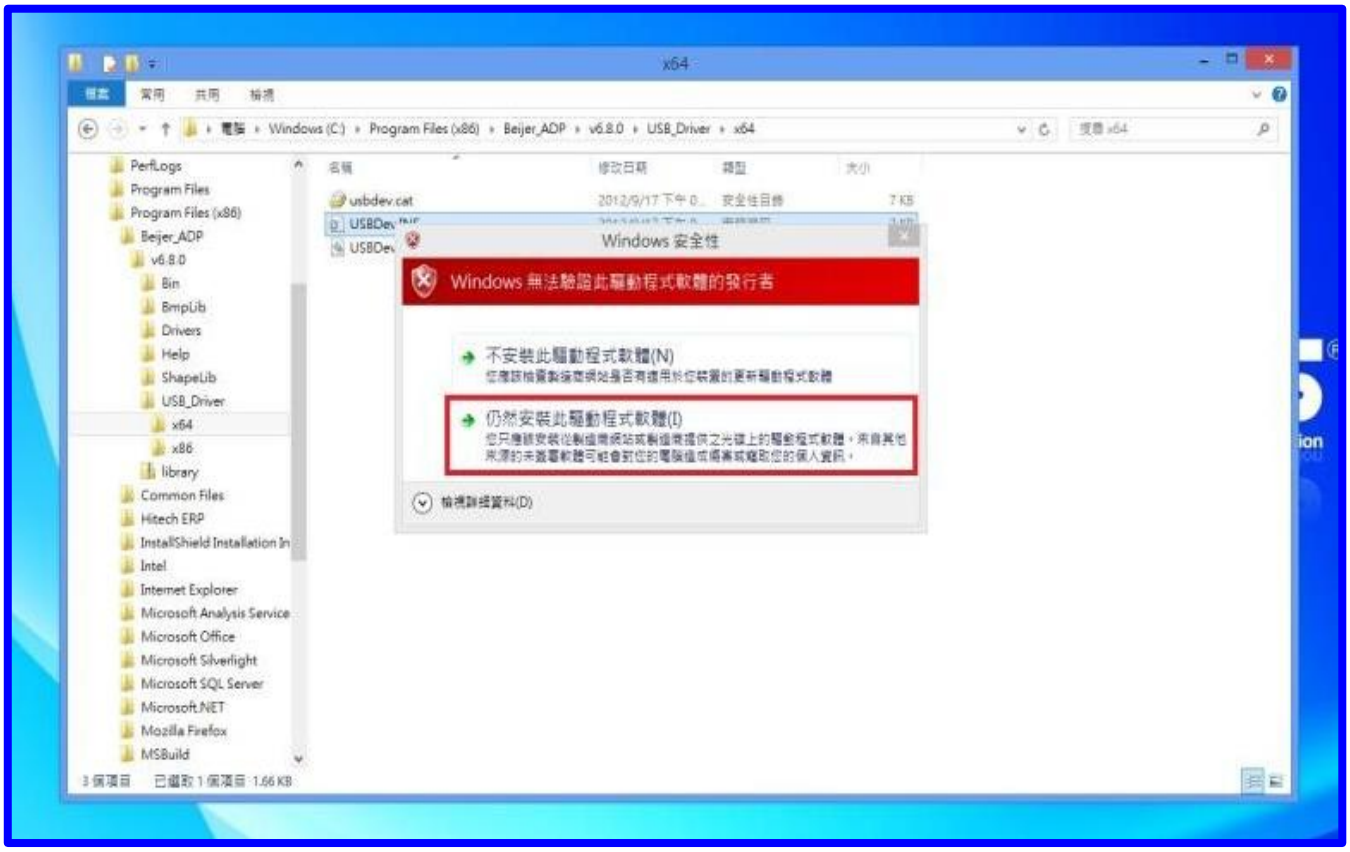
請選擇 USB_Driver 資料匣中 x64 內的 USBDev.INF 檔案，並按下滑鼠右鍵，點選”安裝”，如圖示 Image3_25.(建議使用 ADP V6.8.0 版以上)

↓Image3_25



12.點選”仍然安裝此驅動程式軟體”，如圖示 Image3_26。

↓Image3_26



13.安裝完成後會出現此畫面，如圖示 Image3_27。

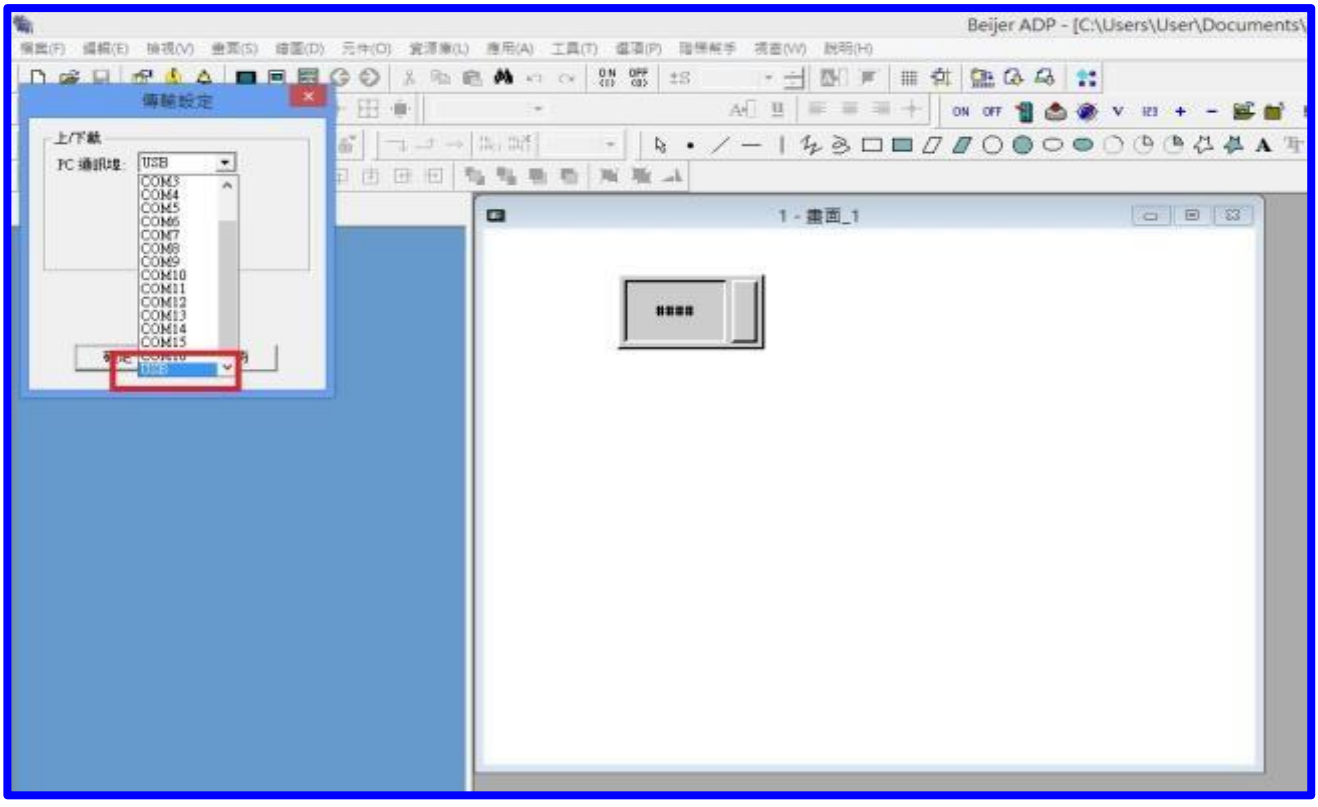
↓Image3_27

14.請將人機送電，並連接 USB Cable 到電腦，然後開啟電腦"裝置管理員"，會在"通用序列匯流排控制器"內出現"USBDev"，如圖示 Image3_28。

↓Image3_28

15.此時 USB Driver 已安裝完成，請開啟 ADP 軟體,在"選項"中，"傳輸設定"，選擇"USB"，即可下載應用檔案，如圖示 Image3_29。

↓Image3_29



(3.5) How to do if forgotten upload password?What's default password for HMI project upload? How to upload the project from HMI?

Ans:1.Try default password 222183600, there is no other solutions.

2. The default password is 222183600. New password can be set.
   But please memorize the changed password, due to inability to break from the original.
3. Select [File]/[Upload application], enter the password in HMI, then upload complete.

(3.5) 上載密碼忘記了怎麼辦？人機上載密碼是多少？如何進行上載？

答：1. 除了試原始密碼 222183600 除此之外，別無他法。

2. 原始密碼為 222183600，可另外設定密碼。
   但更改後請熟記密碼，因無法由原廠破解。
3. 選擇[檔案]/[上載應用]，在人機輸入正確密碼後即可上載完成

(3.6) Why it shows unreadable characters when save the file from USB to HMI?

Ans: Please use English file name.

(3.6) 使用 USB 隨身碟下載檔案至人機為什麼會出現亂碼？

答：請使用英文檔名。

(3.7) How to turn on the traditional Chinese computer when the ADP file is set in Simplified Chinese?

Ans: 「Control Panel」→「Region and Language」→「Administrative」→「change system locale」→「Chinese(Simplified, PRC)」.

(3.7) 在繁體環境電腦如何開啟簡體環境下設定的 ADP 檔案？

答：「控制台」→「地區及語言選項」→「系統管理」→「非 Unicode 程式的語言」來變更為簡體。

(3.8) How to replace PWS's battery? What's the battery type?

Ans: Earlier version normally used mercury Lithium battery, battery type xxx, and it's replaceable. But some battery is welded directly on the board; we recommend sending back the battery for replacement.

The later version already change to capacitive battery which cannot be bought on market, we recommend sending back the battery for replacement.

(3.8) 如何自行更換電池 PWS 如何自行更換電池？電池型號多少?

答：早前版本多使用水銀鋰電池，電池規格 xxx，可自行更換。
但有些電池是以電銲方式直接銲在機板上，建議送修換電池。
後期有些機型已改為電容電池，市面上買不到，建議送修換電池。

(3.9)PWS HMI touch panel is not alignment, how to adjust it?

Ans: Please follow the following steps.

1. Turn on the power and press [SET].
2. Click [Touch Panel].
3. Follow the instructions on screen.

(3.9) 如何進行校正 PWS 人機觸控不準了，如何進行校正？

答：請根據以下步驟進行操作：

1. 開機後按[SET]。
2. 點選[Touch Panel]。
3. 根據畫面指示操作。

(3.10) East Asian Language, South-East Asian Language unreadable characters problem.

Ans: Please follow below steps for operations.

1. Select menu [Application] / [set operating parameters].
2. In the [General] tab, select support multi-languages.
3. Select the number of the desired languages.
4. Choose the desired languages.
5. Set the initial language that displayed when boot.
6. Note the font size must adjust to 16x16.

(3.10) 東亞語、東南亞語亂碼問題

答：請根據以下步驟進行操作：

1. 選擇功能表中[應用]/[設定工作參數]。
2. 在[一般]標籤中，勾選支援多種語言。
3. 選擇需要的語言數。
4. 選擇需要的語言。
5. 設定開機後最先顯示的起始語言。
6. 注意元件字體需調整成 16X16。

(3.11) Why the file cannot be re-build? Or appear out of memory?

Ans:1. It is because the incomplete uploading which has missed the rebuild information. Try upload again and make sure it's 100% complete. And the rebuild information could be in ADP.

2. it's because ADP6.6.0 (including old version) was running under Windows 64-bits and this would cause the un-recoverable data damage. This is the result from downloading, and there is no solution for it.

(3.11) 為何檔案不能重建或出現 out of memory？

答：1.大多數原因為上載時沒有上載完整，所以遺漏了重建資訊，導致無法重建，請試試看重新上載並確認上載至 100%後重建。

2.可能是在 windows64 位元系統下執行 ADP6.6.0(包含)以前的版本，這個動作會造成重建資料損毀而導致無法重建，這是在下載時就造成的結果，沒有補救辦法。

(3.12) Error Code Comparisons

Ans: Please refer as following form:

Error Code	Possible Reason	Suggestions
22	1.Computer's COM port problem 2.HMI's COM port problem	Send to repair center
41	Flat battery	recharge the battery or change a new battery
80	"System Fail"	Send to repair center
91	"code abort" Program Error	Send to repair center
92	"data abort" Data Error	Send to repair center
93	"undefined" Disconnection Error	Send to repair center

(3.12) 錯誤代碼對照

答：請參考下列表格：

錯誤代碼	可能的原因	建議處理方式
22	1.電腦的 COM port 有問題 2.HMI 的 COM port 有問題.	送維修
41	電池沒電	充電或更換電池
80	系統當機	送維修
91	程式錯誤	送維修
92	資料錯誤	送維修
93	中斷錯誤	送維修

(3.13) How does PWS battery get charged? How long does it take to get fully charged?

Ans: The battery is charging when HMI power is on. As the power stays on for 12 hours, the battery gets fully charged (for new machine).

(3.13) 電池如何進行充電 PWS 電池如何進行充電？充飽需要多久時間？

答：人機送電中即可充電，持續送電約 12 個小時即可充飽電(新機)。

(3.14) Maintenance department testing process - HMI electrical function test

Ans: If the electrical function can not be detected, we will according to the customer returned the issue and implementation of the following additional tests:

1. Long-term continuous power supply test.
2. Connect with the PLC test.
3. Conduct a 50 degree high temperature test.

(3.14) 維修部測試流程－人機電氣功能測試

答：如電氣功能測試不出來，會依照客戶退回的問題，執行額外下列測試：

1. 長時間連續供電測試。
2. 與 PLC 連線測試。
3. 執行 50 度的高溫測試。

(3.15) Communication is normal Why can not the component react?

Ans: Please click on the page right click -> screen properties -> set the read section, the next c sectioncan be optimized to close the section.

(3.15) 通訊正常為何元件反白無法動作?

答：請於畫面內空白處點右鍵->畫面屬性->設定讀取區段,將底下區段優化關閉即可.

(3.16) Win 10 and Win 8.1 system, why the use of USB cable often appear overtime can not download the problem

Ans: PWS series models because the USB driver is written under Win 7 64bit architecture, if you need to upload the normalIt is recommended to use RS-232 or Ethernet.

(3.16) Win 10 和 Win 8.1 系統,為何使用 USB cable 常出現連線超時無法下載的問題

答：因 PWS 系列機種的 USB driver 是以 Win 7 64bit 的架構下撰寫的,如果需要正常上載下載建議使用 RS-232 或網路埠

(4.1) FX3U baud rate.

Ans: FX3U baud rate can only use 9600.

(4.1) FX3U baud rate.

答：FX3U baud rate 只能固定使用 9600。

(4.2) QnUD（CPU）

Ans: QnUD(CPU) this module can only use 19200.8.0.1 this setting.

If Q(CPU) or Q00(CPU) cannot be connected, please use QnUD(CPU).

(4.2) QnUD（CPU）

答：QnUD(CPU)這個模組只能固定使用 19200.8.0.1 這組設定。

若是 Q(CPU)或 Q00(CPU)無法連線，請改用 QnUD(CPU)。

(4.3) How to link PWS to thermostat or inverter ? What driver to use? How to connect com port?

Ans: Please read the instruction manual of thermostat, and follow the manual to adjust HMI or set the thermostat's communication parameters.

Most commonly used are these two types: Modbus(ASCII)slave, modicon984(RTU;slave)

Please refer as following Image4_01 & Image4_02 for connection.

(4.3) 人機如何連到溫控器 PWS 人機如何連到溫控或變頻器？用什麼 driver？com port 如何連線？

答：請詳細閱讀溫控器的手冊說明，並依照手冊調整人機或溫控器的通訊參數設定。

大多數使用 Modbus(ASCII)slave、modicon984(RTU;slave)這兩種。

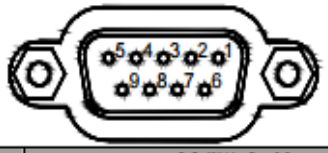
接線部分請參考下面這兩張圖，如圖示 Image4_01 與 Image4_02。

↓ Image4_01

COM 1

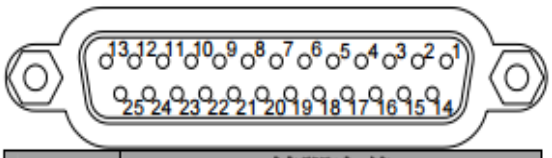
PIN	接腳定義
1	RS485+
2	RS232 RXD
3	RS232 TXD
4	N/A
5	Signal ground
6	RS485−
7	RS232 RTS
8	RS232 CTS
9	Optional; +5V@100mA 輸出

COM 3



PIN	接腳定義
1	RS422 TX+ (RS485+)
2	RS422 CTS+
3	RS422 CTS-
4	RS422 RX+
5	Signal ground
6	RS422 TX− (RS485−)
7	RS422 RTS+
8	RS422 RTS-
9	RS422 RX-

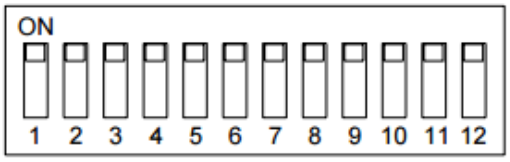
COM 2



PIN	接腳定義
1	N/A
2	RS232 TXD
3	RS232 RXD
4	RS232 RTS
5	RS232 CTS
6	N/A
7	Signal ground
8	Optional; +5V@100mA 輸出
9	N/A
10	N/A
11	N/A
12	RS422 CTS+
13	RS422 CTS−
14	RS422 TX+ (RS485+)
15	RS422 TX− (RS485−)
16	RS422 RX+
17	RS422 RX−
18	N/A
19	N/A
20	N/A
21	N/A
22	N/A
23	RS422 RTS+
24	RS422 RTS−
25	N/A

↓ Image4_02

指撥 (Dip Switches)		功能
SW1		**保留**
SW2		**保留**
SW3	**SW4**	**作業模式**
ON	ON	使用者正常操作模式
ON	OFF	執行生產燒機程式
OFF	ON	更新BIOS
OFF	OFF	執行硬體測試
SW5		**通訊參數設定**
ON		PWS使用硬體的通訊參數與PLC通訊
OFF		PWS使用ADP的通訊參數與PLC通訊
SW6		**輸入密碼否**
ON		當PWS開機自我測試後,要求輸入密碼,隨之進入系統目錄
OFF		當PWS開機自我測試後,不要求輸入密碼,隨之進入系統目錄
SW7		**進入系統目錄**
ON		進入系統目錄
OFF		不進入系統目錄, 直接進入使用者應用程式
SW8		**預設使用者等級**
ON		如PWS不要求輸入密碼 (SW6 OFF), 預設使用者等級=1
OFF		如PWS不要求輸入密碼 (SW6 OFF), 預設使用者等級=9
SW9		**保留**
SW10		**PWS背面COM2規格設定**
ON		RS485通訊: SW10=ON
OFF		RS422通訊: SW10=OFF
SW11		**PWS背面COM3規格設定**
ON		RS485通訊: SW11=ON
OFF		RS422通訊: SW11=OFF
SW12		**保留**



(4.4) How do the connecting 2 PLC transferring the values?

Ans: 2 methods:

1. Enter the component by numbers (or texts), [read] one PLC's value, [write] to another PLC. When transferring, one component could only have two fixed address to transfer values, and only one value could be transferred each time.
2. Use Macro MOV, BMOV to transfer values.

(4.4) 連到人機的 2 台 PLC 如何互相傳值？

答：有兩種方式：

1.利用數值輸入原件(或文數字輸入)，[讀取]一台 PLC 的值，[寫入]另一台 PLC，在使用時，一個元件只能固定在兩個位址傳值，且一次只能一個值。

2.利用巨集 MOV、BMOV 指令傳值。

(4.5) Can it connect to FX5U?

Ans: Try to connect to Modbus, but there is no exclusive driver at the moment, so cannot connect to internet.

(4.5) 是否能連線至 FX5U？

答：可以試試看 Modbus 連線，目前無專屬 driver，無法網路連線。

(4.6) Why HMI are unable to connect Mitsubishi FX PLC, it shows “communication (No Response)”?

Ans: Please check the following step by step.

1. Open ADP program in computer. Select [Application]/ [Workstation Setup] In [General] tab, is PLC type chose correctly?
2. Is the setting correct in [Connection] tab?
3. Try connecting with other cables.
4. Check PLC communication setting is the same with ADP.
5. If still cannot connect, please contact with Beijer.

(4.6) 為何人機連三菱 FXPLC 一直連不上，顯示”communication (No Response)”?

答：請根據以下步驟依序進行確認：

1. 開啟電腦 ADP 程式，選擇[應用]/[設定工作參數]，在[一般]標籤中，PLC 種類選擇是否正確。
2. 在[連線]標籤中，設定是否正確。
3. 試著換其他條通訊線。
4. 檢查 PLC 通訊設定是否與 ADP 通訊設定相符。
5. 若確認過後仍連不上請與我們連絡。

(4.7) Mitsubishi QnA (Link), QnUD (CPU) Where is the difference?

Ans: The two drivers are for the same Q series QJ71C24 series modules.

But the protocol is different.

1. QnA (Link) This driver is for use with the MC protocol format 4 protocol
2. QnUD (CPU) This Driver is for MELSOFT protocol protocol

(4.7)三菱 QnA(Link)、QnUD(CPU)差異在哪?

答：此兩種 Driver 是針對同樣 Q 系列 QJ71C24 的各類型模組

1. QnA(Link) 此 Driver 是針對 MC protocol format 4 通訊協定使用
2. QnUD(CPU) 此 Driver 是針對 MELSOFT protocol 通訊協定使用

(5.1) How to transfer ADP3 program to ADP6?

Ans: Use ADP6 to read the file and save it again

(5.1) ADP3 建的程式如何轉為 ADP6？

答：用 ADP6 讀取檔案，再存檔。

(5.2) How to transfer ADP2 program to ADP3?

Ans: Use ADP3 V3.2.03 to read the program, and then save it.

(5.2) 如何轉為 ADP3 ADP2 建的程式如何轉為 ADP3？

答：先用 ADP3 V3.2.03 版讀取程式，再存檔。

(5.3) How to transfer ADP2 program to ADP6?

Ans: Use ADP3 V3.2.03 to read the program, and then save it. Now the file is ADP3.
Then use ADP6 to read the file and save it again.

(5.3) 如何轉為 ADP6 ADP2 建的程式如何轉為 ADP6?

答：先用 ADP3 V3.2.03 版讀取檔案，再存檔，此時檔案為 ADP3。
再用 ADP6 讀取檔案，再存檔

(5.4) What is the new HMI model which replaced the old model xxx?

Ans: New mode is bigger than the old one. When old model is replaced by the new model, it's depending on customer needs to install the frame to fit the old cutout.

(5.4) 舊機型 xxx 替代的新型號人機是什麼機型？

答：新機型比舊機型大，舊機型替換新機時視客戶需要須加裝框架以合適舊 cutout.

(5.5) How to re-build old models PWS3261、900S、1711….etc?

Ans: The old models are using old software, so cannot be re-built.

(5.5) 舊機型如何重建？

答：舊機型舊軟體關係，無法重建。軟體無開放重建功能

(6.1) PWS and its extending customized models.

Ans: Please refer as following form.

(6.1) PWS 延伸的客製化機種

答：請參考以下表格：

Item	ADP	H-Designer	MS-Designer	CP400Soft
Company	Beijer Corp	Beijer HQ	Mitsubishi Electric India	ABB
PLC Drivers	Standard (205 items)	Standard (205 items)	185 items	121 items
Printer Drivers	Standard (22 items)	Standard (22 items)	Standard (22 items)	23 items (HP PCL LaserJet P1606dn supported)
PWS firmware	Standard	Standard	OEM Firmware	Standard
Note	N/A	N/A	Original for Mason	450T-N = 6A00T 430C = 6600C

(6.2) There are complete examples for tutorial.

Ans: Please refer as following form.

Content	Download Link
ADP Software Manual	https://drive.google.com/open?id=0BwrbLcDjBC9FMWFHRUxpYXFWSVU
XY Graph examples	https://drive.google.com/open?id=0BwrbLcDjBC9FcVlleWRVd0VWLVU
ADP USB driver installation (Very important)	Win7+Win8+Win8.1+Win10 https://drive.google.com/open?id=0BwrbLcDjBC9FTmd1Wk9HY25NMlU
Historical trend graph	https://drive.google.com/open?id=0BwrbLcDjBC9FQU9FUXE4eHZ4MkU
USB read/write recipe examples	https://drive.google.com/open?id=0BwrbLcDjBC9FU2xCcmdlaDJkdlE
Historical Trend graph application and manually save to USB example	https://drive.google.com/open?id=0BwrbLcDjBC9FZjZsa2tEWERVN0U

Historical Data Table Use Example	https://drive.google.com/open?id=0BwrbLcDjBC9FRzZZR2ZETmlQLXc
The following is the advanced use	
ADP is restored to old version	https://drive.google.com/open?id=0BwrbLcDjBC9FcmhTalpWTXNCUFE
Cross machine connection	https://drive.google.com/open?id=0BwrbLcDjBC9FNmdSQllZdExKSUE
Multilink HMI on a macro connection (mutilink_marco)	https://drive.google.com/open?id=0BwrbLcDjBC9FeDhxenV2aDJvSEk
Multilink HMI on a connection (mutilink_mutilink)	https://drive.google.com/open?id=0BwrbLcDjBC9FTUtHa1lvSkloYjg
Control Block、Status Block、Extended Control Block、Extended Status Block	https://drive.google.com/open?id=0BwrbLcDjBC9FMzljUDVhRVNGcms
Advanced XY chart	https://drive.google.com/open?id=0BwrbLcDjBC9FeTg5dVFKeFd0NTA
Recipe	https://drive.google.com/open?id=0BwrbLcDjBC9FYXFEZnFUQW8zZlU
Macro Introduction	https://drive.google.com/open?id=0BwrbLcDjBC9FSWdZdUQwcTBIOTQ
Flash drive connected to judge	https://drive.google.com/open?id=0BwrbLcDjBC9FR1hUVlk0YXZtc2s
Print the picture to the file, and after the completion of the prompt	https://drive.google.com/open?id=0BwrbLcDjBC9FbTBLVV9WMmNsVTA
The following is an example of connection	
Mitsubishi Q series network module connection PWS example	https://drive.google.com/open?id=0BwrbLcDjBC9Fc1k0SmpyQVFzUXM
Mitsubishi Q series serial module connection PWS example	https://drive.google.com/open?id=0BwrbLcDjBC9FTFFXaWJlWmEzbU0
Mitsubishi FX3U-ENET-L connection PWS example	https://drive.google.com/open?id=0BwrbLcDjBC9FR3piS3N0VUlFQUU

Mitsubishi FX3U-ENET-ADP connection PWS example	https://drive.google.com/open?id=0BwrbLcDjBC9FX2RwNnNralNIYlk
The following is example video	
ADP upload teaching video	https://drive.google.com/open?id=0BwrbLcDjBC9FSHpTRVJhNEFpZFU
ADP download teaching video	https://drive.google.com/open?id=0BwrbLcDjBC9FVnZJUGdtUWdOTTA

(6.2) 目前有提供的完整範例或使用教學檔案

目前有提供的完整範例或使用教學檔案,(網址皆已更新)

答：

內容	下載連結
ADP 軟體手冊 中文版	https://drive.google.com/open?id=0BwrbLcDjBC9FVGJDYkFOYmJFVUU
XY 圖使用範例	https://drive.google.com/open?id=0BwrbLcDjBC9FcVlleWRVd0VWLVU
ADP USB driver 安裝範例 (重點範例)	Win7 + Win8 + Win8.1 + Win10 版：https://drive.google.com/open?id=0BwrbLcDjBC9FTmd1Wk9HY25NMlU
歷史趨勢圖_九成滿自動清除	https://drive.google.com/open?id=0BwrbLcDjBC9FQU9FUXE4eHZ4MkU
隨身碟讀/寫配方的範例	https://drive.google.com/open?id=0BwrbLcDjBC9FU2xCcmdlaDJkdlE
歷史趨勢圖使用與手動儲存至 USB 範例	https://drive.google.com/open?id=0BwrbLcDjBC9FZjZsa2tEWERVN0U
歷史數值資料表範例	https://drive.google.com/open?id=0BwrbLcDjBC9FRzZZR2ZETmlQLXc
以下為進階使用	
ADP 恢復成舊版開啟檔	https://drive.google.com/open?id=0BwrbLcDjBC9FcmhTalpWTXNCUFE
跨機連線	https://drive.google.com/open?id=0BwrbLcDjBC9FNmdSQllZdExKSUE
多 HMI 對一巨集連線 (mutilink_marco)	https://drive.google.com/open?id=0BwrbLcDjBC9FeDhxenV2aDJvSEk

多 HMI 對一連線(mutilink_mutilink)	https://drive.google.com/open?id=0BwrbLcDjBC9FTUtHa1lvSkloYjg
控制區、狀態區、擴充控制區、擴充狀態區	https://drive.google.com/open?id=0BwrbLcDjBC9FMzljUDVhRVNGcms
進階 XY 圖	https://drive.google.com/open?id=0BwrbLcDjBC9FeTg5dVFKeFd0NTA
配方	https://drive.google.com/open?id=0BwrbLcDjBC9FZFliUVRRT1lyMkU
巨集介紹	https://drive.google.com/open?id=0BwrbLcDjBC9FSWdZdUQwcTBIOTQ
隨身碟連通判斷	https://drive.google.com/open?id=0BwrbLcDjBC9FR1hUVlk0YXZtc2s
列印畫面至檔案,且完成後提示	https://drive.google.com/open?id=0BwrbLcDjBC9FbTBLVV9WMmNsVTA
以下為連線範例	
三菱 Q 系列網路模組連線 PWS 範例	https://drive.google.com/open?id=0BwrbLcDjBC9Fc1k0SmpyQVFzUXM
三菱 Q 系列序列模組連線 PWS 範例	https://drive.google.com/open?id=0BwrbLcDjBC9FTFFXaWJlWmEzbU0
三菱 FX3U-ENET-L 連線 PWS 範例	https://drive.google.com/open?id=0BwrbLcDjBC9FR3piS3N0VUlFQUU
三菱 FX3U-ENET-ADP 連線 PWS	https://drive.google.com/open?id=0BwrbLcDjBC9FX2RwNnNralNIYlk
以下為影片教學	
ADP 上載教學影片	https://drive.google.com/open?id=0BwrbLcDjBC9FSHpTRVJhNEFpZFU
ADP 下載教學影片	https://drive.google.com/open?id=0BwrbLcDjBC9FVnZJUGdtUWdOTTA

(6.3) Corresponding language in generalized.

Ans: The ADP support font has 19 in currently as below:

Traditional Chinese, Simplified Chinese, English, Japanese, Korean, Western European, Greek, Turkish, Thai, Arabic, Slavic, Polish , Hebrew, German, French, Spanish, Vietnamese, Indonesian, Hungarian).

Turkish: Turkey, North Cyprus, Cyprus, Bulgaria, Macedonia, Greece[1], Azerbaijan[2], Kosovo[3], Romania, Iraq, Bosnia and Herzegovina.

Arabic: Israel, Eritrea, Mali, Niger, Kenya, Chad, Senegal, South Sudan, Ethiopia, Iran, Turkey, Madagascar, Tanzania and Mozambique.

Slavic: Ancient Slavic, Russian, Belarusian, Ukrainian, Ruthenian, Sorbian, Upper

Sorbian, Lower Sorbian, Pomeranian, Kashubian, Czech , Slovak, Silesian, Croatian, Serbian, Bosnian, Slovenian, Bulgarian, Ancient Church Slavic, Church Slavic.

(6.3) 各國語言對應(廣義)

答：目前 ADP 支援字型為 19 種(繁體中文、簡體中文、英文、日文、韓文、西歐字母、希臘文、土耳其文、泰文、阿拉伯文、斯拉夫文、波蘭文、希伯來文、德文、法文、西班牙文、越南文、印尼文、匈牙利文)

土耳其文：土耳其、北賽普勒斯、賽普勒斯、保加利亞、馬其頓、希臘、亞塞拜然、科索沃、羅馬尼亞、伊拉克、波士尼亞與赫塞哥維納

阿拉伯文：以色列、厄利垂亞、馬里、尼日、肯亞、查德、塞內加爾、南蘇丹、衣索比亞、伊朗、土耳其、馬達加斯加、坦尚尼亞、莫三比克等。

斯拉夫語：古東斯拉夫語、俄語、白俄羅斯語、烏克蘭語、羅塞尼亞語、索布語、上索布語、下索布語、波美拉尼亞語、卡舒比語、捷克語、斯洛伐克語、西里西亞語、克羅埃西亞語、塞爾維亞語、波士尼亞語、斯洛維尼亞語、保加利亞語、古教會斯拉夫語、教會斯拉夫語。

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我們的全球支援組織隨時都能為您提供全面的協助及指導。
請利用下列聯絡資訊聯繫，北爾電子將為您提供全面的服務和技術支援。

Taiwan 台灣
Telephone：+886-2-2218-3600
support.tw@beijerelectronics.com

China 中國
Telephone：+86-21-6145-0400
support@beijerelectronics.cn

American 美國
Telephone：+1-801-466-8770
support@beijerelectronicsinc.com

Germany 德國
Telephone：+49-7022-9660-200
support@beijerelectronics.de

Sweden 瑞典
Telephone：+46-4035-8607
support@beijer.se

Distributors/brand label support 國際（總部辦公室）
Telephone：+46-4035-8604
hmisupport@beijerelectronics.com

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