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# **USB cable to GX WORKS 2**

## **Use and setting in the environment**

Kabel USB ke GX WORKS 2 Penggunaan dan pengaturan  
di lingkungan

1. Install the driver
2. COM PORT setting
3. Communication test



# Introduction

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- Overview: Through the USB interface to provide serial connection and RS422 signal conversion cable to simulate the computer's USB interface into a traditional serial port (Com port), with various existing PLC program editing, communication and monitoring and other application software, it can be used between the computer and the PLC. Signal transmission.
- Ikhtisar: Menyediakan koneksi port serial dan jalur konversi sinyal RS422 melalui antarmuka USB, mensimulasikan antarmuka USB komputer ke port serial tradisional (port Com), dan bekerja sama dengan berbagai perangkat lunak aplikasi pengeditan, komunikasi dan pemantauan program PLC yang ada, yang dapat digunakan di Antara komputer dan PLC. Transmisi sinyal.



# Introduction

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The connection port of the FX series PLC end is an MD8F circular socket, which can replace the FX-232AW communication module, and supports a maximum communication distance of 2 kilometers

Port koneksi ujung PLC seri FX adalah soket melingkar MD8F, yang dapat menggantikan modul komunikasi FX-232AW dan mendukung jarak komunikasi maksimum 2 kilometer.



# Install the driver Automatic installation (drive detection when plugged in)

The screenshot shows a Windows XP desktop with a blue background. A window titled "尋找新增硬體精靈" (Find New Hardware Wizard) is open, displaying the progress of installing a "Prolific USB-to-Serial Bridge". A smaller dialog box titled "必需的檔案" (Required Files) is overlaid on top, asking for a file named "ser2spl.sys" from a USB drive. The dialog box contains the following text:

必需的檔案

需要 USB-Serial Cable Diskette 的檔案 'ser2spl.sys'。

輸入檔案所在的路徑，然後按一下 [確定]。

檔案複製來源 (C):  
e:\usb to rs232 converter\windows\winxp-x\_64-bit

Buttons: 確定 (OK), 取消 (Cancel), 瀏覽 (B)... (Browse...)

The taskbar at the bottom shows the Start button, several open applications (PLCPPT, Microsoft PowerPoint, SWOPC-FXGP/WIN-T...), and the system tray with the date and time: 上午 08:57, 星期六, 2008/8/30.



# Install the driver Software update (other drivers are already available)





# Install the driver

## Specify the location of the driver software

更新驅動程式軟體 - USB-SERIAL CH340 (COM1)

在您的電腦上瀏覽驅動程式軟體

在此位置搜尋驅動程式軟體:

F:\驅動程式\plc cable driver

瀏覽(R)...

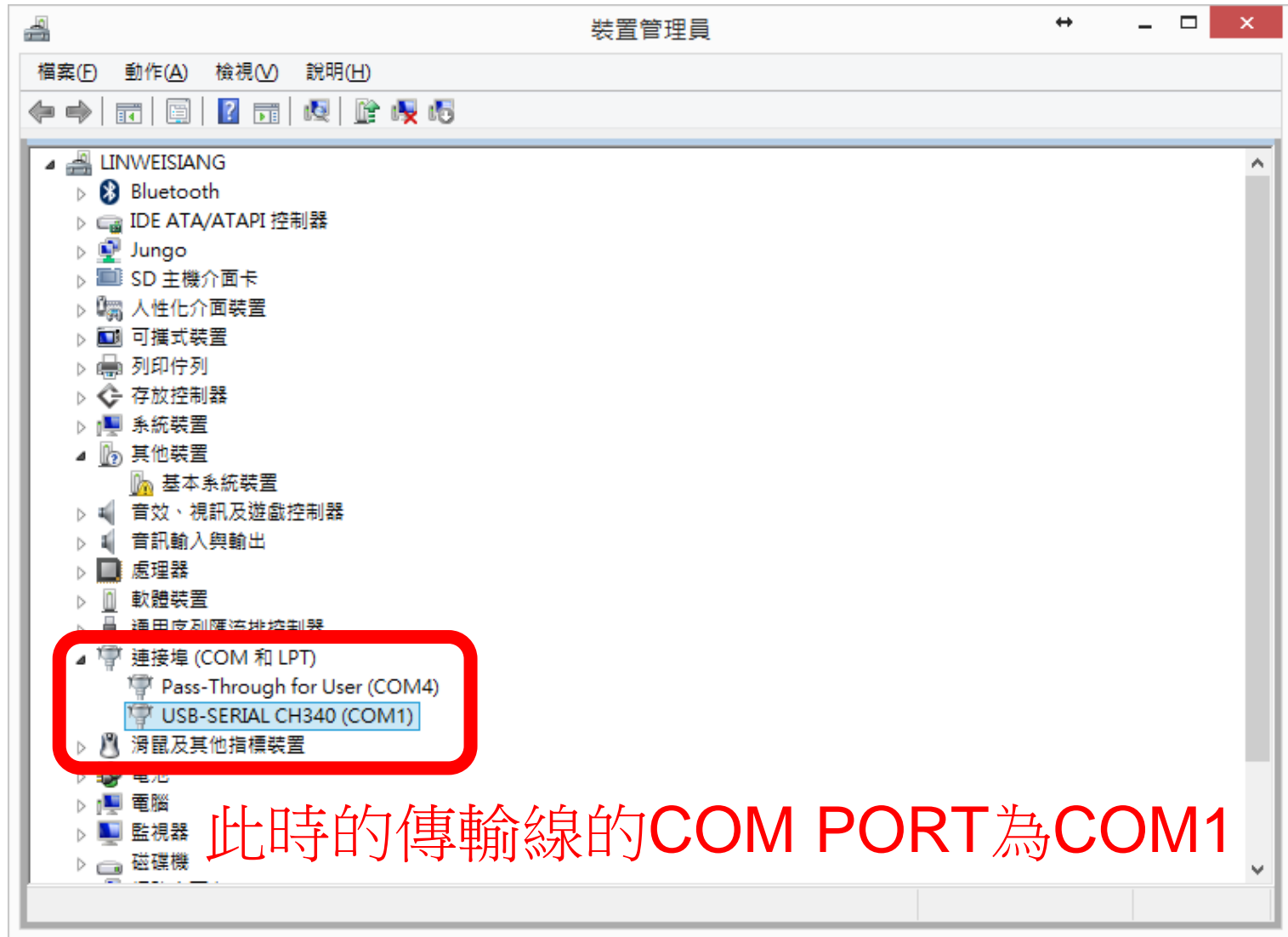
包含子資料夾(I)

讓我從電腦上的裝置驅動程式清單中挑選(L)  
此清單會顯示已安裝並且與裝置相容的驅動程式軟體，以及與裝置屬於同類別的所有驅動程式軟體。

下一步(N) 取消



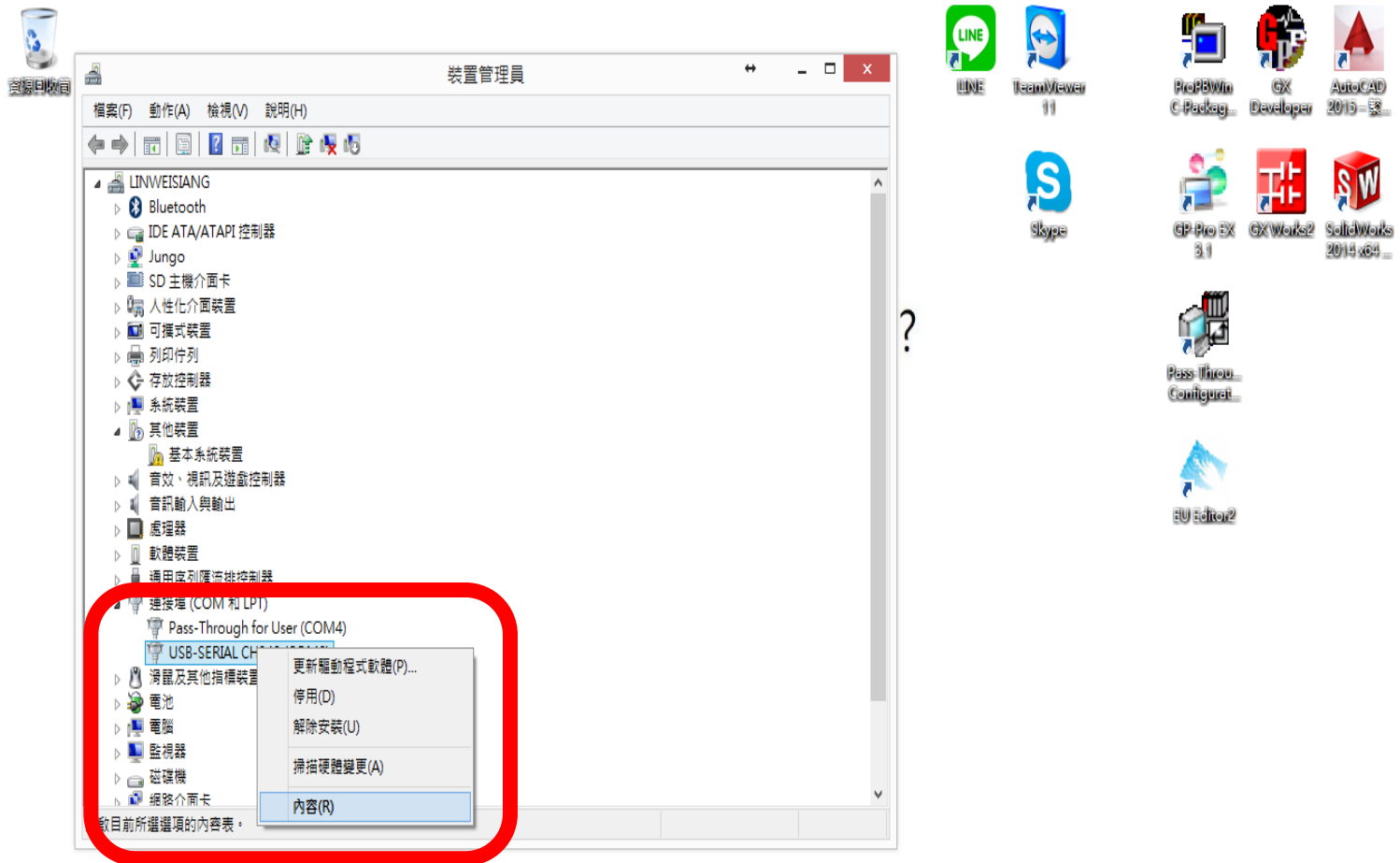
# COM Port set up







# COM Port set up



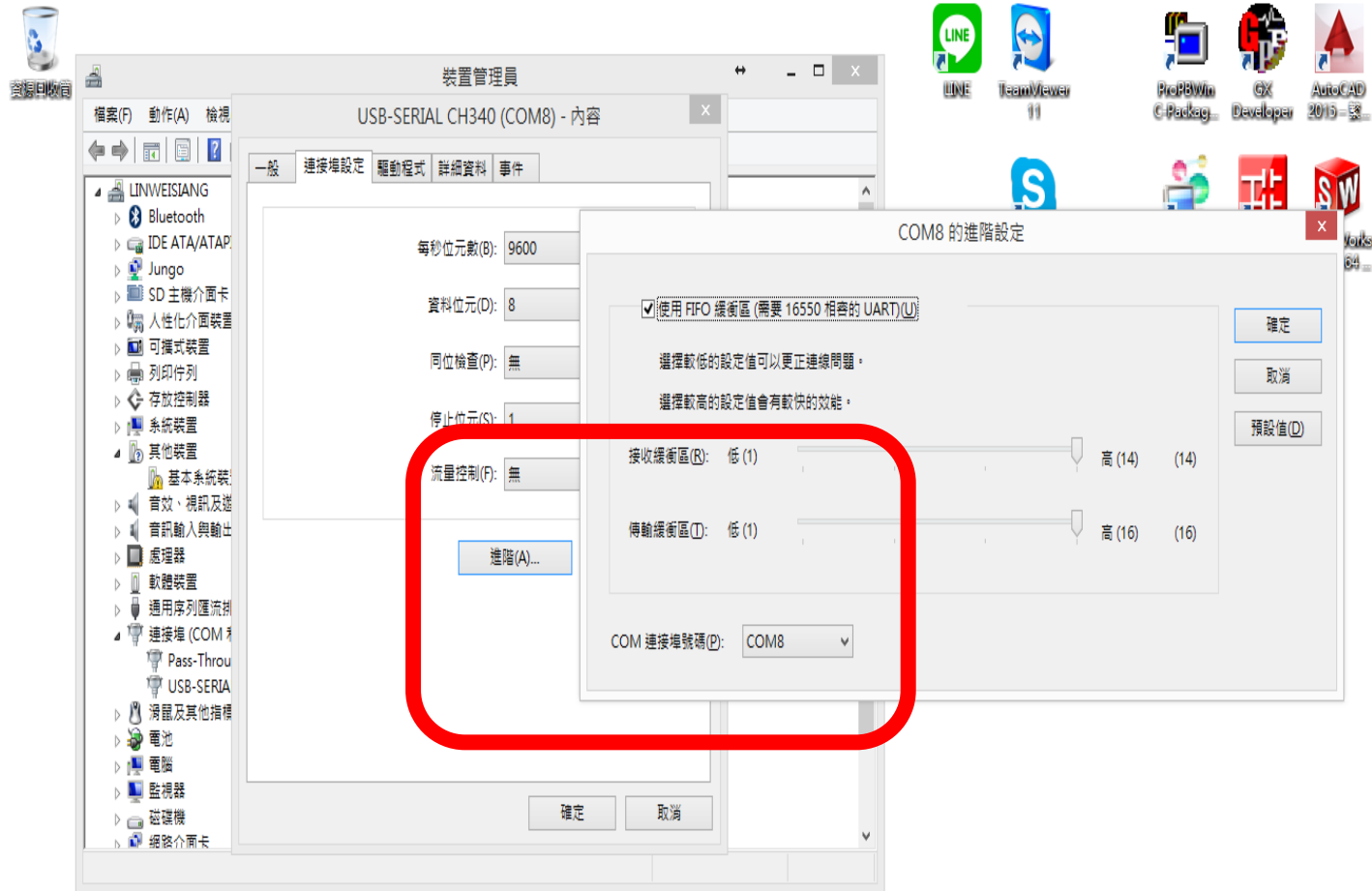
**\*After the installation is complete, confirm the location of the USB virtual COM PORT in the device manager**







# COM Port 設定



如電腦該COM Port已被佔用，點選進階選項，進入修改COM Port 編號 (COM1~63) 使與編輯軟體設定一致(前一代軟體 GPWIN、GPPW 限 COM1-4)



# COM Port set up

The screenshot shows the MELSOFT GX Works II interface. The main window is titled "連接目標設定 Connection1". It features a sidebar on the left with navigation options like "工程", "使用者庫", and "連接目標". The main area is divided into sections for "電腦側 I/F" (Computer side I/F) and "PLC側 I/F" (PLC side I/F). A sub-dialog box titled "電腦側 I/F 序列進階設定" (Computer side I/F Serial Advanced Settings) is open, showing options for "RS-232C" and "USB". The "COM埠" (COM Port) dropdown menu is open, displaying a list of ports from COM 1 to COM 13, with COM 8 selected. The "傳輸速度" (Baud Rate) is set to 115.2Kbps. The "CPU模式" (CPU Mode) is set to FXCPU. The "時間檢查(秒)" (Time Check (sec)) is set to 5. The "指定其他站" (Specify other station) section is empty. The "網路通訊路徑" (Network communication path) section shows "CC IE Cont NET/10(H)" and "CC IE Field". The "不同網路通訊路徑" (Different network communication paths) section shows "CC IE Cont NET/10(H)", "CC IE Field", and "Ethernet". The "指定多個CPU" (Specify multiple CPUs) section shows four slots labeled 1, 2, 3, and 4. The "指定二重化CPU" (Specify dual CPU) section is empty. The "確定" (OK) and "取消" (Cancel) buttons are visible at the bottom of the sub-dialog.

**GX Works 則可配合USB之虛擬COM Port 設定Com Port由 COM1~COM63**



# Communication test

MELSOFT系列 GX Works2 (未設定工程) - [[PRG]寫入 MAIN 1步]

工程(P) 編輯(E) 搜尋/取代(F) 連接目標設定 Connection1

電腦側 I/F

- Serial USB
- CC IE Cont NET/10(H) Board
- CC-Link Board
- Ethernet Board
- CC IE Field Board
- Q Series Bus
- NET(I) Board
- PLC Board

COM COM 1 傳輸速度 115.2Kbps

PLC側 I/F

- PLC Module
- CC IE Cont NET/10(H) Module
- CC-Link Module
- Ethernet Module
- C24
- GOT
- CC IE Field Master/Local Module
- CC IE Field Communication Head Module

CPU模式 FX3CPU

指定其他站

時間檢查

網絡通訊路徑

不同網絡通訊路徑

對象系統

本站存取中。

指定多CPU

對象CPU

指定二重化CPU

MELSOFT 應用程式

已成功與FX3U/FX3UCCPU連接。

確定

連接路徑清單(L)...

PLC直接連接設定(D)

通訊測試(T)

CPU型號 FX3U/FX3UC

進階

系統影像(G)...

TEL (FX3CPU)...

確定

取消

FIN

FIN

