

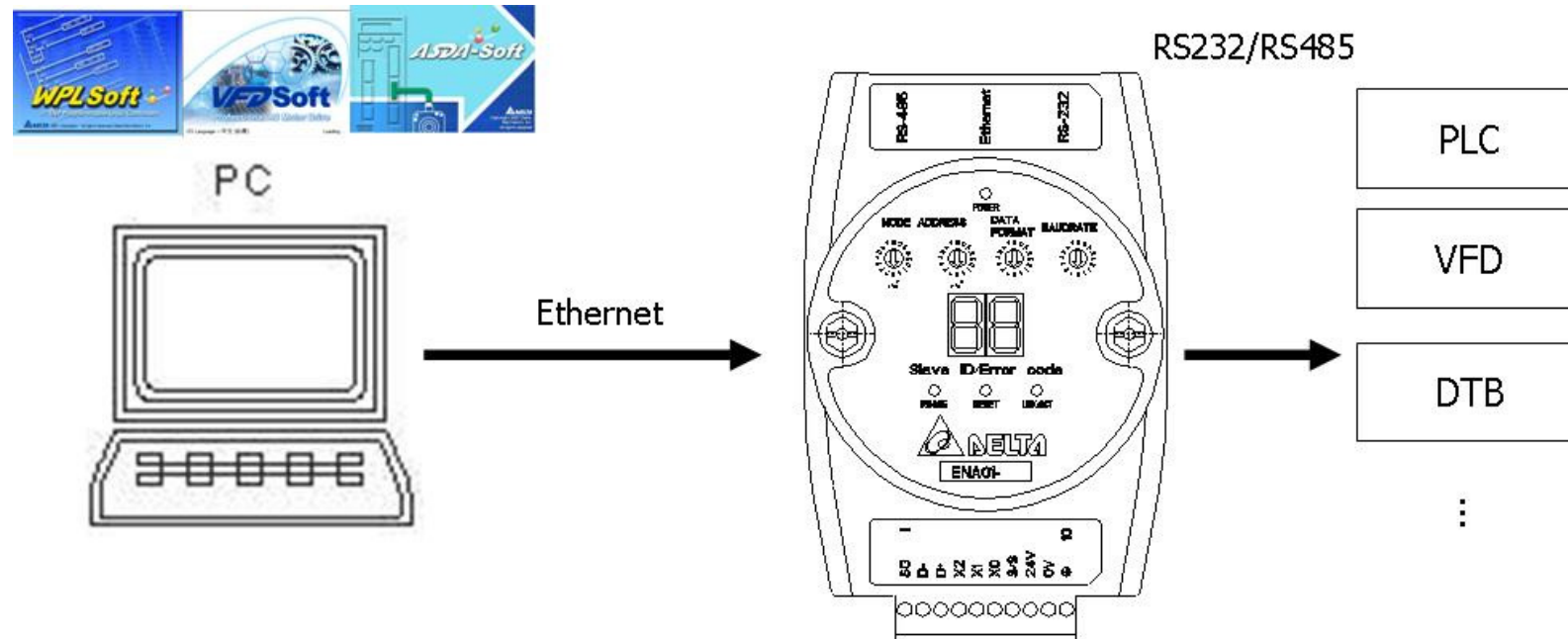


台達

電子

How to use Virtual COM Function of IFD9506

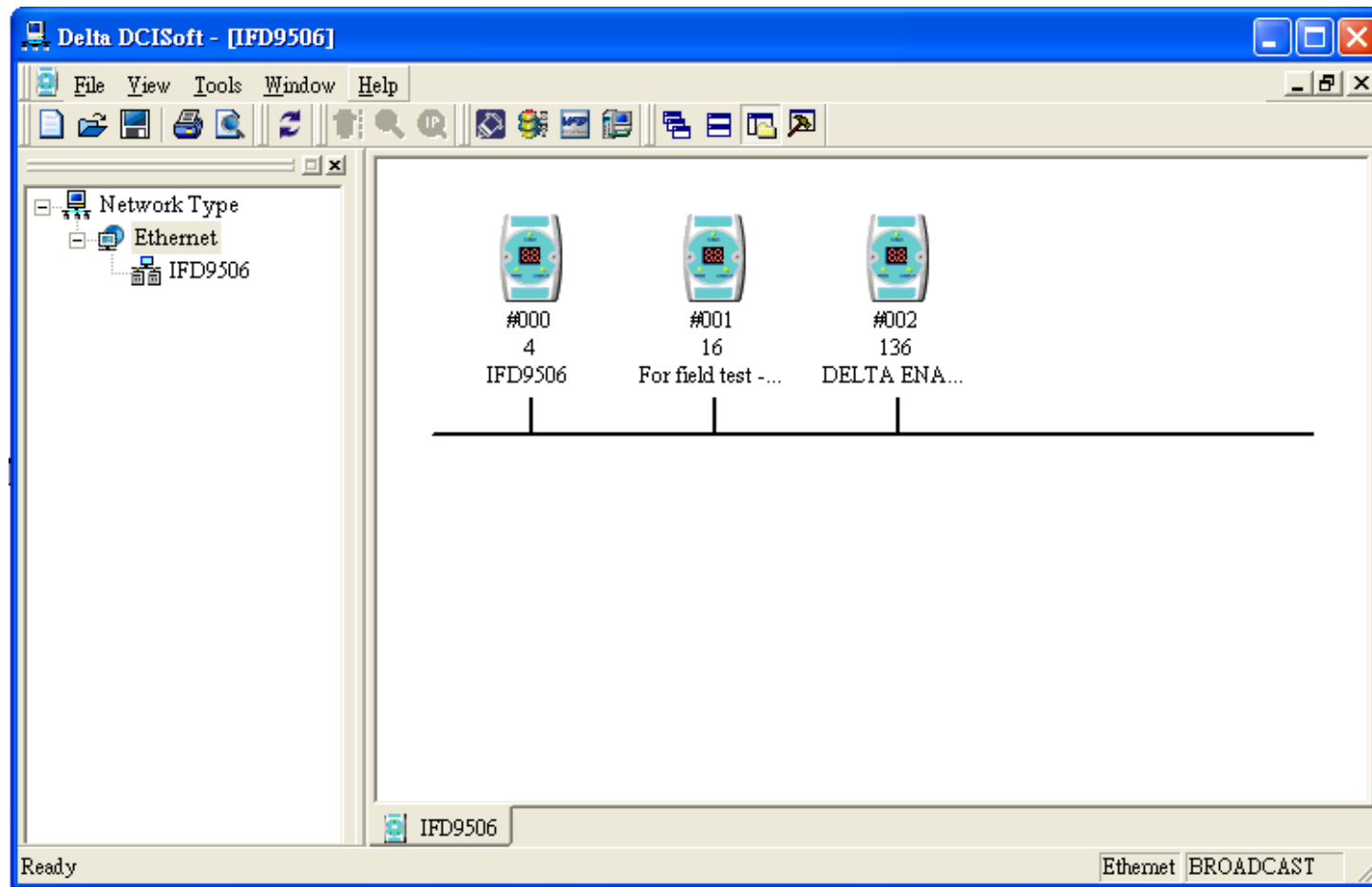
Structure:



Purpose: we're going to connect PLC through IFD9506 by using Virtual COM function

Circumstance: while the PC doesn't have the RS-232 or RS-485 port except RJ-45 port

Step1: opening the software of DCIsoft and search for the existed devices of IFD9506



IFD9506 firmware version:

IFD9506

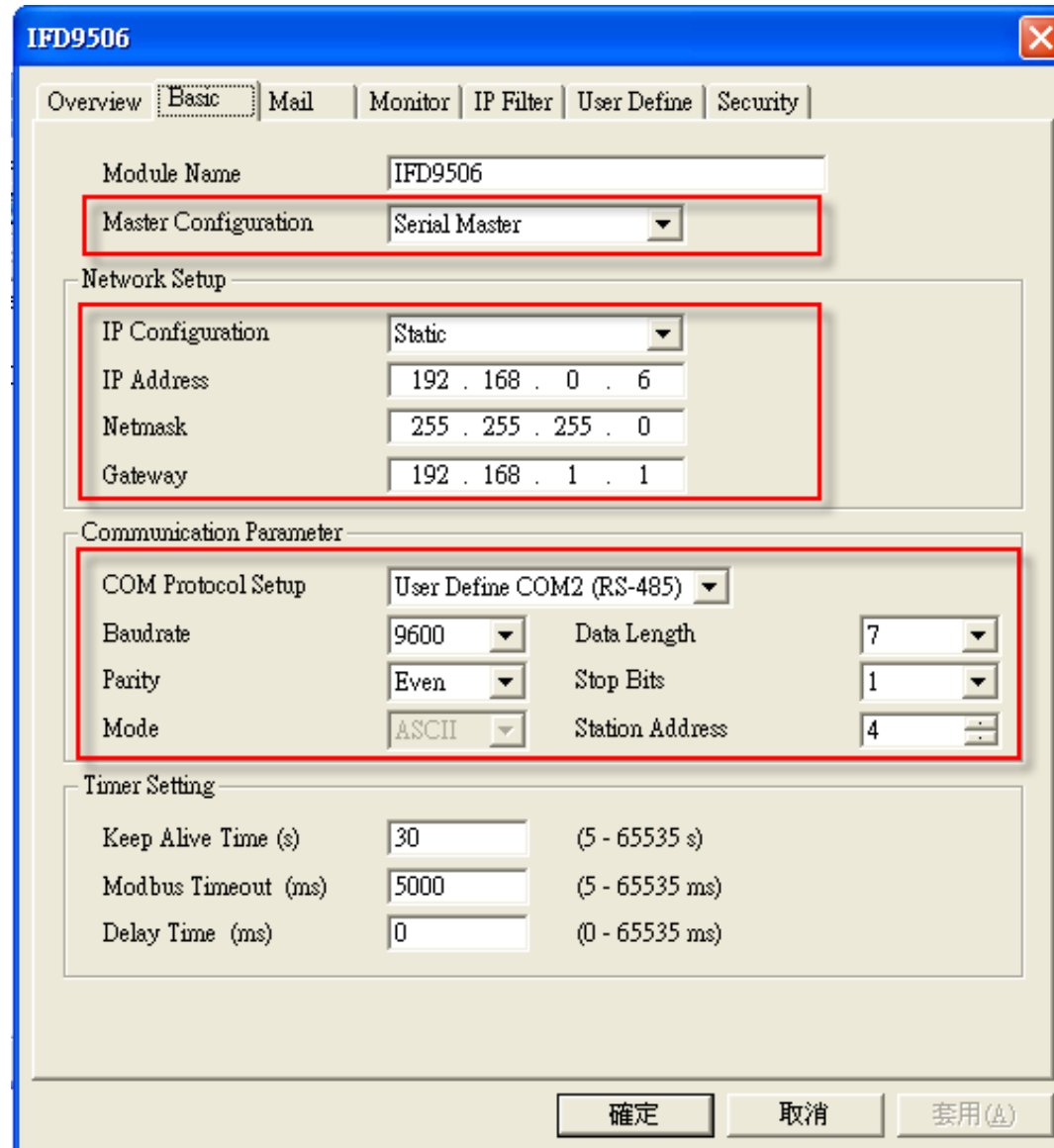
Overview | Basic | Mail | Monitor | IP Filter | User Define | Security

Device Overview

Module	IFD9506
IP Address	192.168.0.6
MAC Address	00:18:23:10:07:44
Firmware Version	1.46
DI / DO Point	3 / 0

確定 取消 套用(A)

Step2: Double click the device which you're using to connect to PLC and having the parameter setup. Then, pressing "OK" when setup is done



The screenshot shows the 'IFD9506' configuration window with the 'Basic' tab selected. The window contains several sections for configuring the device's network and communication parameters. Red boxes highlight the 'Master Configuration', 'Network Setup', and 'Communication Parameter' sections.

IFD9506

Overview | **Basic** | Mail | Monitor | IP Filter | User Define | Security

Module Name: IFD9506

Master Configuration: Serial Master

Network Setup

IP Configuration: Static

IP Address: 192 . 168 . 0 . 6

Netmask: 255 . 255 . 255 . 0

Gateway: 192 . 168 . 1 . 1

Communication Parameter

COM Protocol Setup: User Define COM2 (RS-485)

Baudrate: 9600 Data Length: 7

Parity: Even Stop Bits: 1

Mode: ASCII Station Address: 4

Timer Setting

Keep Alive Time (s): 30 (5 - 65535 s)

Modbus Timeout (ms): 5000 (5 - 65535 ms)

Delay Time (ms): 0 (0 - 65535 ms)

Buttons: 確定 (OK) 取消 (Cancel) 套用 (Apply)



IFD9506

Overview | Basic | Mail | Monitor | IP Filter | **User Define** | Security

COM1 (RS-232)

Serial Master

Listen Port: 20000

Serial Slave

Destination IP: 0 . 0 . 0 . 0 Destination Port: 20000

☐ Fix Length: 1 Bytes

☐ Start Item: 1 Bytes, Start Char (Hex.): 3A 00 00

☐ Stop Item: 2 Bytes, Stop Char (Hex.): 0D 0A 00

COM2 (RS-485)

Serial Master

Listen Port: 20001

Serial Slave


Destination IP: 0 . 0 . 0 . 0 Destination Port: 20001

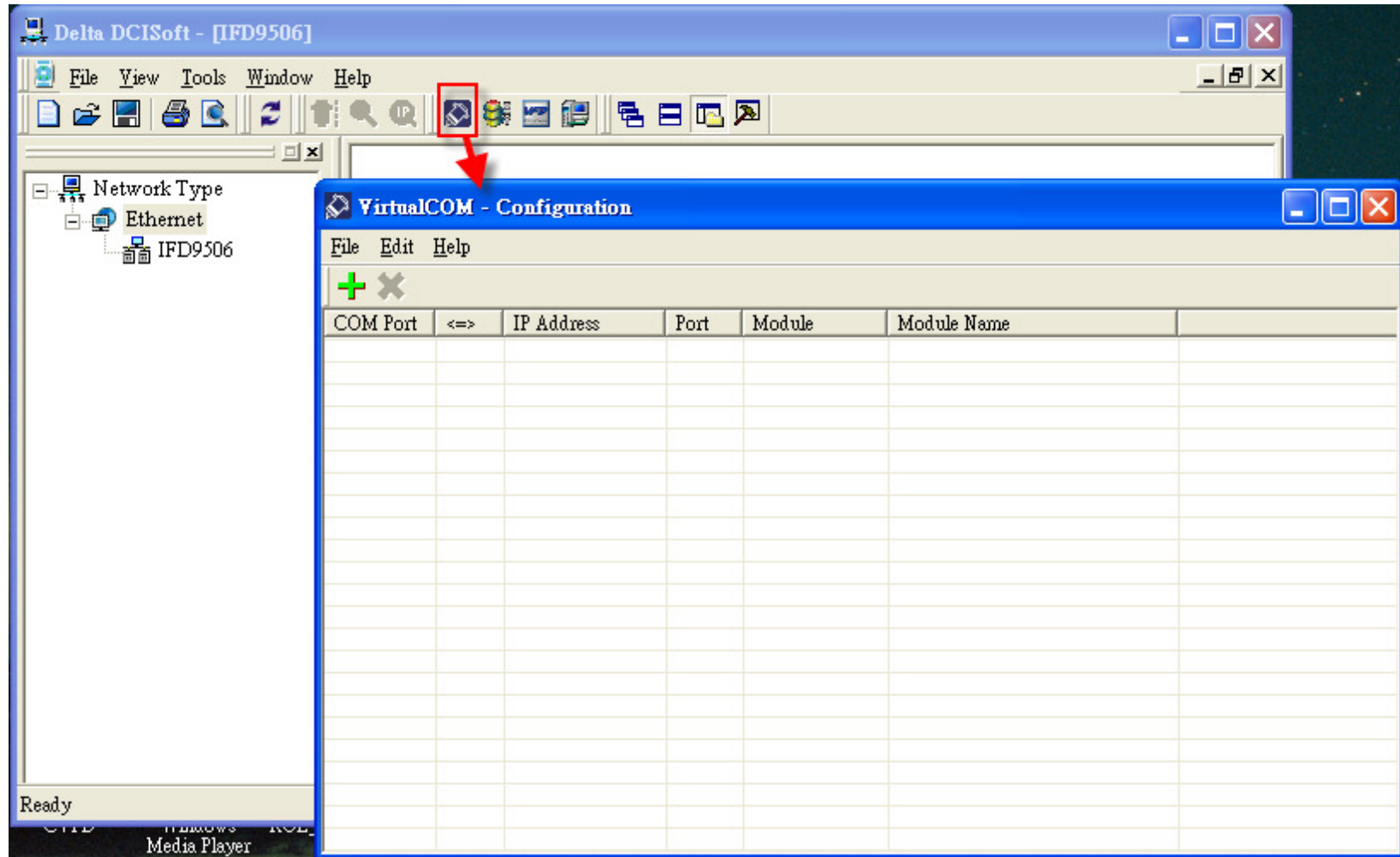
☐ Fix Length: 1 Bytes

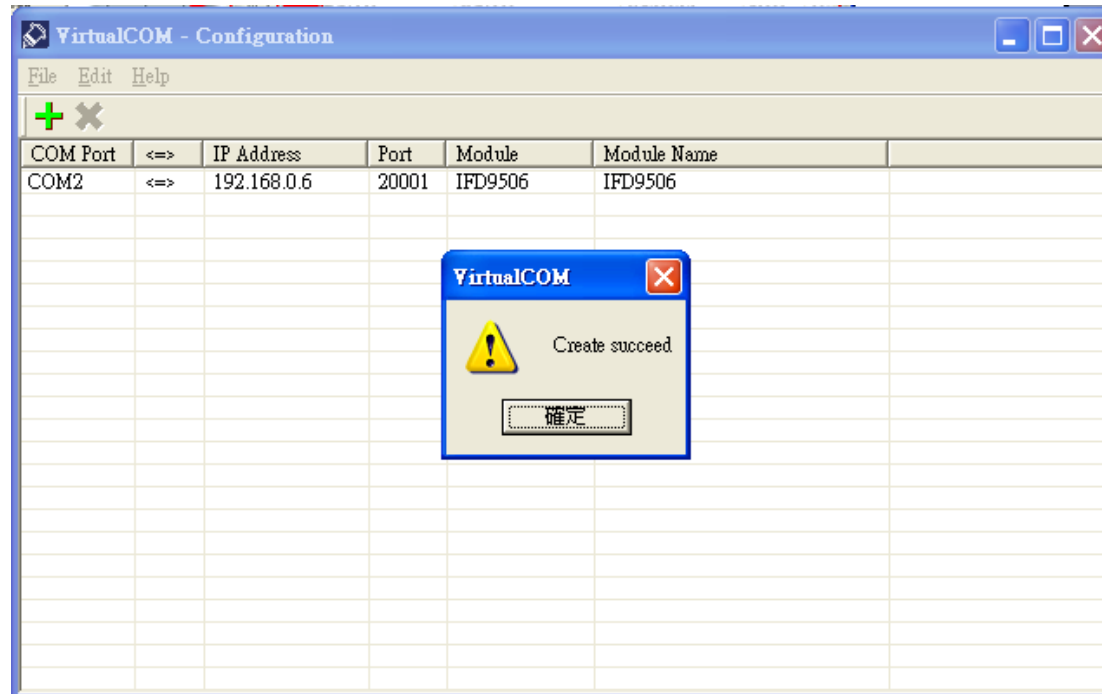
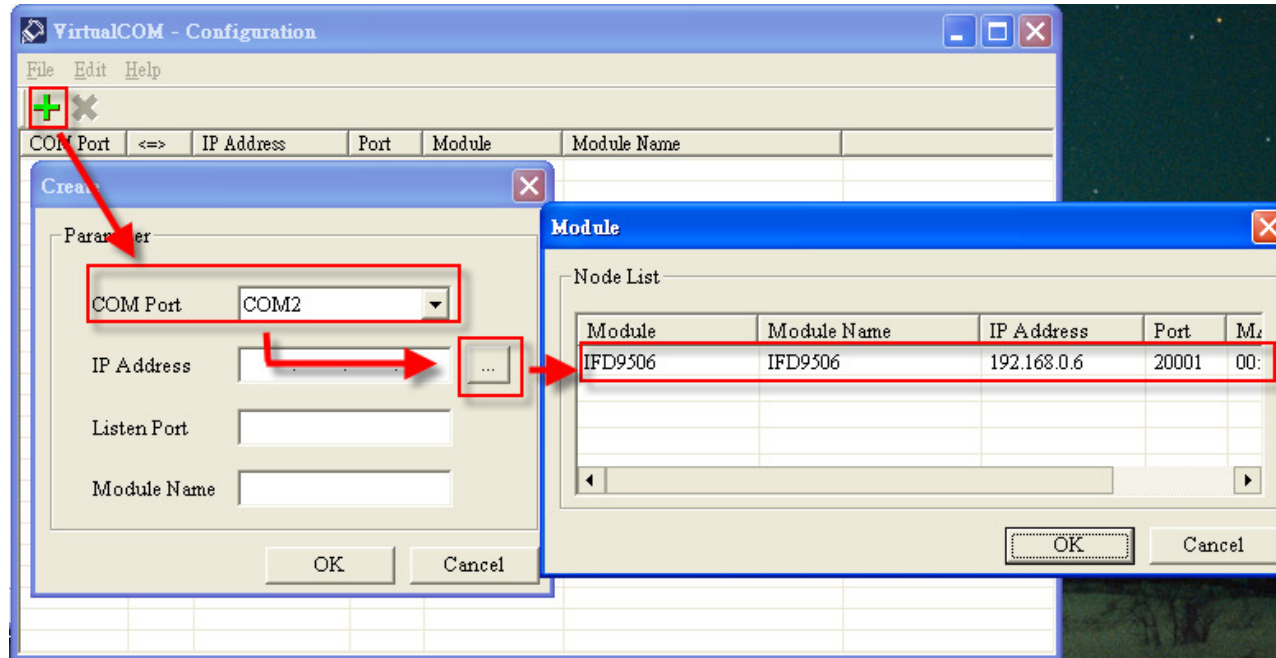
☐ Start Item: 1 Bytes, Start Char (Hex.): 3A 00 00

☐ Stop Item: 2 Bytes, Stop Char (Hex.): 0D 0A 00

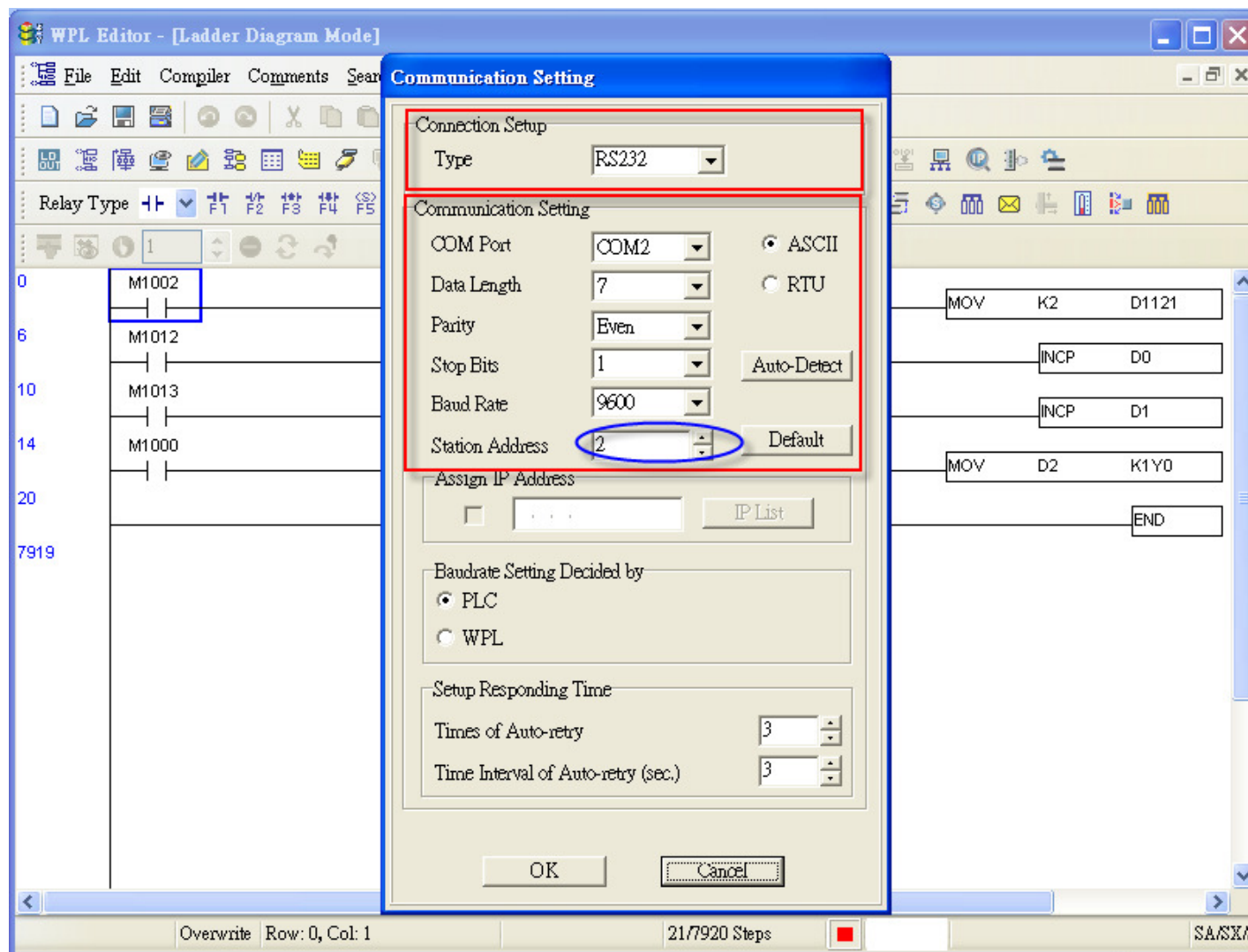
確定 取消 套用(A)

Step3: Clicking  in order to set up the function of Virtual COM. Pressing “OK” when setup is done.

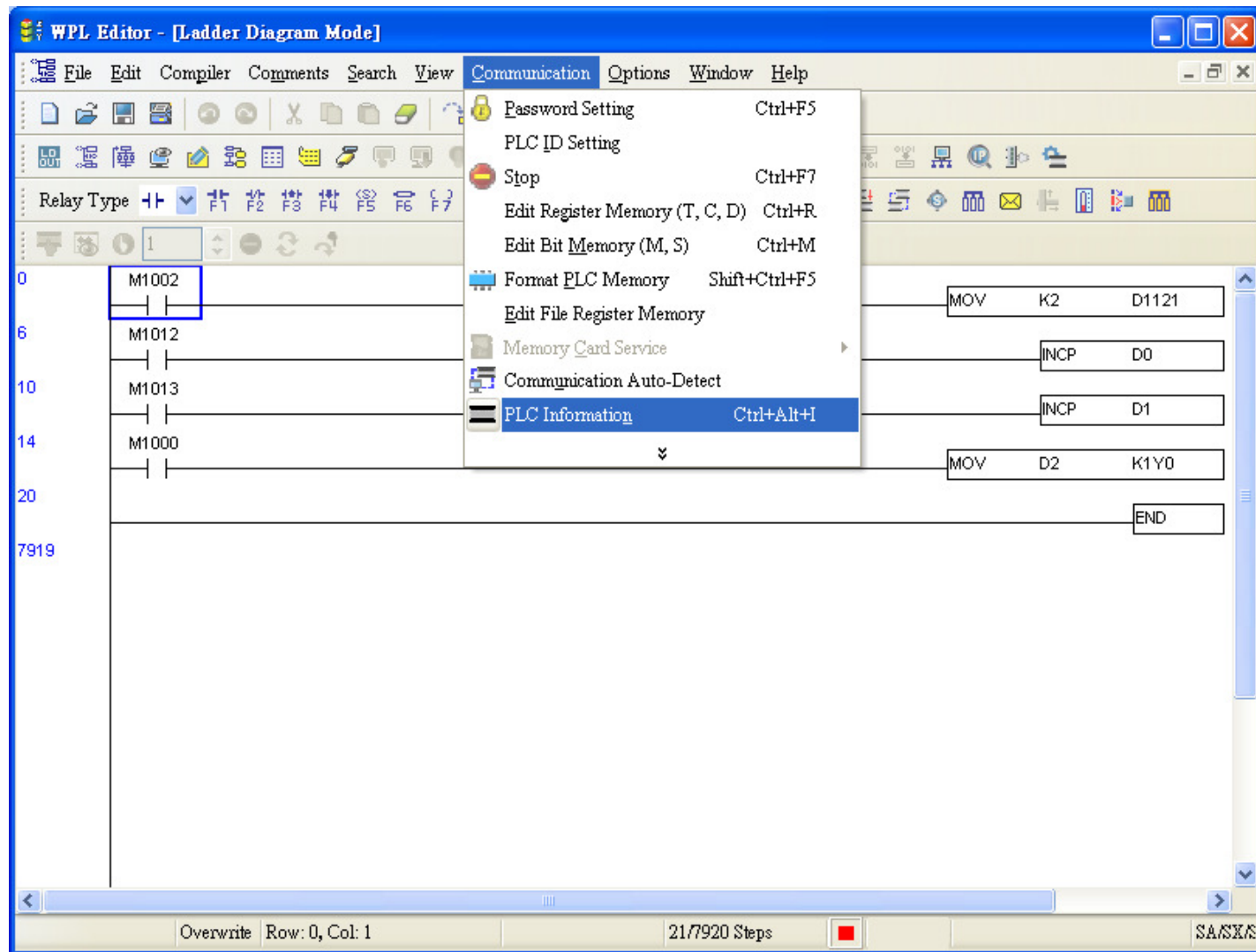




Step4: Opening the WPLsoft to monitor the value of devices of PLC by using Virtual COM



(Note: you have to select the absolute station address which is D1121's number)







WPL Editor - [Ladder Diagram Mode]

File Edit Compiler Comments Search View Communication Options Window Help

Relay Type

PLC Information

Operation Mode:	Run Mode
Capacity:	7920 Steps
PLC Version:	V1.4
Released Date:	1/12
MPU:	SA
Station Address:	2
Grammar Check:	No Errors
Error Step:	XXXX
Locked:	Unlocked

Close

0 M1002

6 M1012

10 M1013

14 M1000

20

7919

MOV K2 D1121

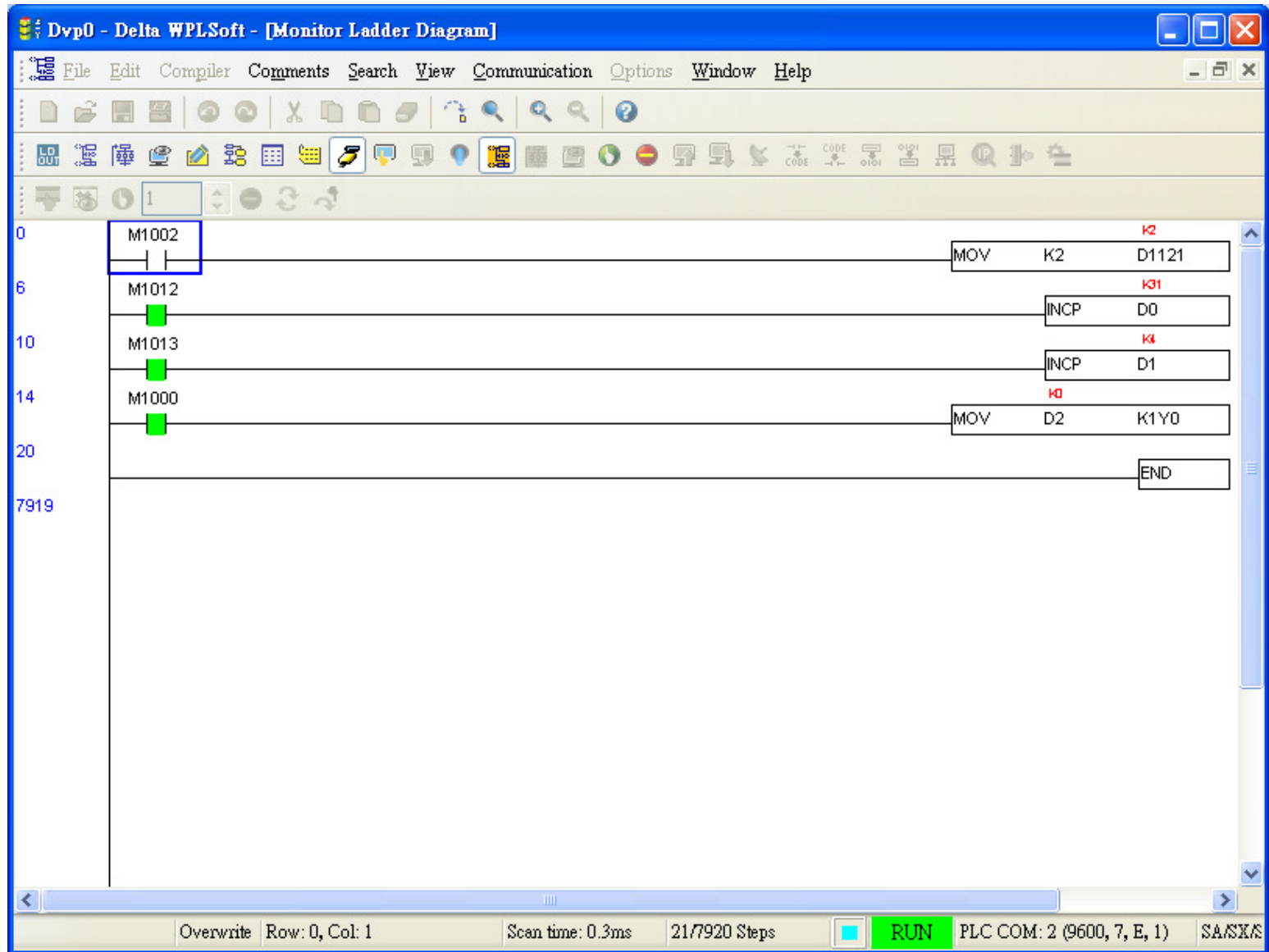
INCP D0

INCP D1

MOV D2 K1Y0

END

Overwrite Row: 0, Col: 1 21/7920 Steps SA/XX/XX



~END~

