

USB-87P1/2/4/8

Package Checklist

Items	Quantity	Model No.	Description
USB-87Pn	1	USB-87P1	Hardware module: USB-87Pn I/O Unit P1: 1 Slot P2: 2 Slots P4: 4 Slots P8: 8 Slots
		USB-87P2	
		USB-87P4	
		USB-87P8	
Cable	1	CA-USB18	USB connector cable
Manual	1	-	Quick Start Manual (this manual)
CD	1	-	Software utility, USB-87Pn User Manual
Screw Driver	1	-	2.4 mm Screw driver (minus style)

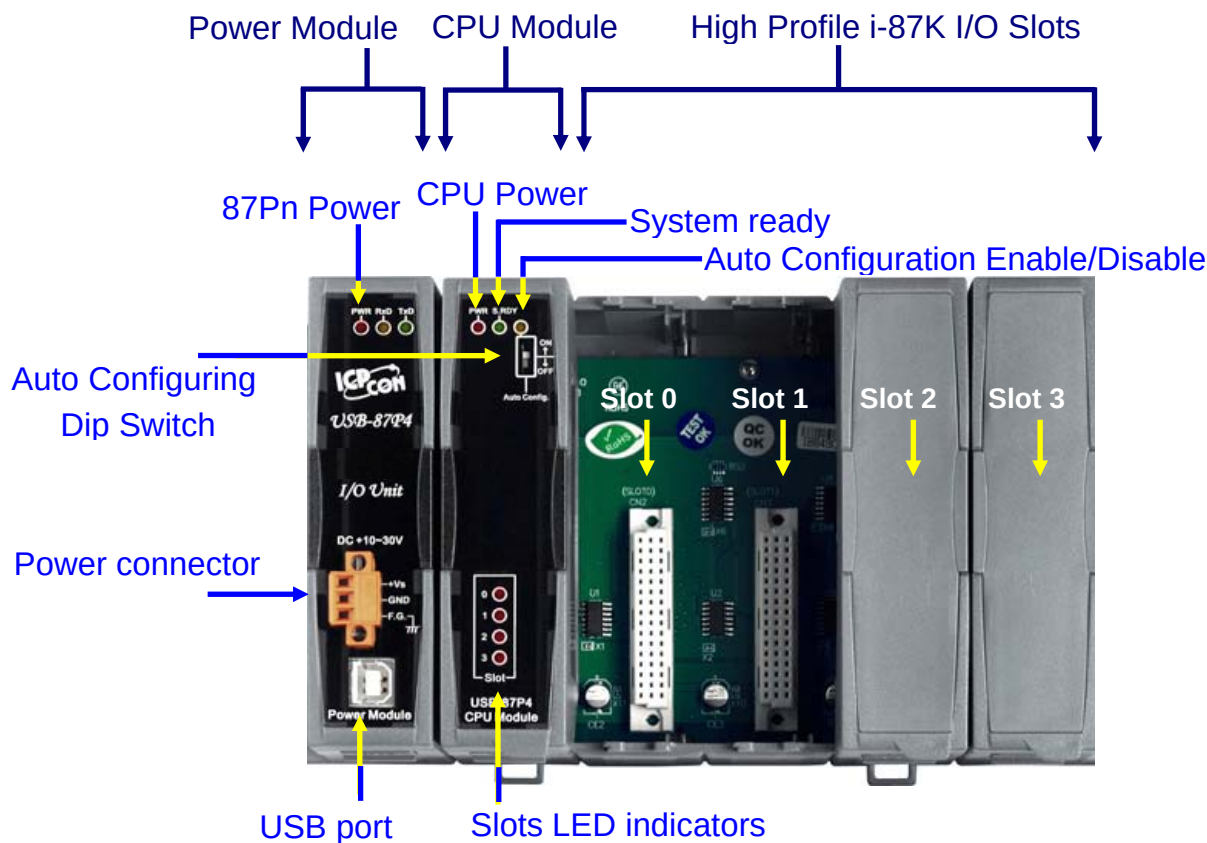
Note : USB-87Pn is only for High Profile I-87K I/O modules, please DO NOT use Low Profile I/O modules. For more information, please refer to Chapter 2.2.5 & Appendix B of “USB-87P1/2/4/8 User Manual”.

Preparation

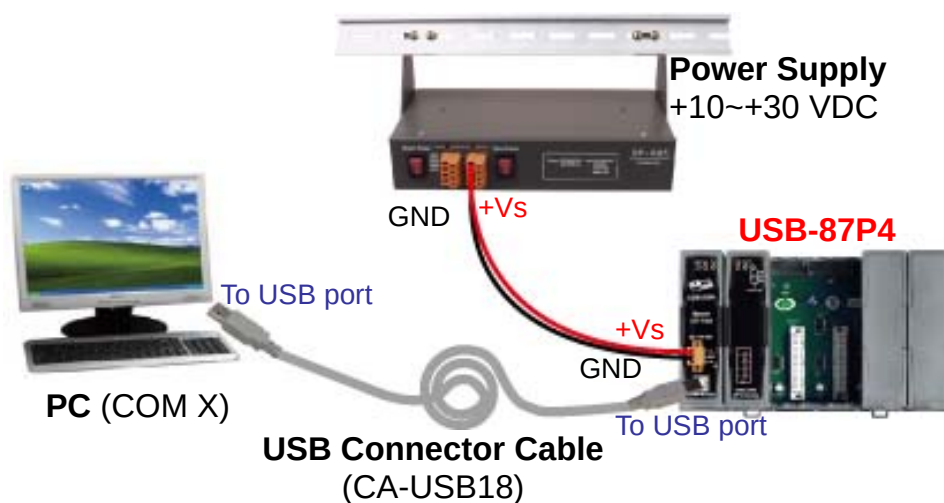
- Power Supply: +10V ~ +30V /DC (Ex: DP-665)
- Install USB-87Pn DriverInstaller to PC
CD:\NAPDOS\87pn_io_unit\USB-87Pn
- Install DCON Utility to PC
(Version 4.5.2 or above version. Please remove the old version before install the new version) CD:\Napdos\Driver\DCON_Utility

Hardware Configuration

1. **View** of the USB-87Pn



2. **Wire** the 87Pn to power and PC



3. Configure CPU module



Switch	Label	Setting	Description
Dip Switch	Auto Config.	ON	Enable (Switch to ON)
		OFF	Disable

4. Plug in the High Profile I/O modules

Example: Plug in i-87019R to Slot 0.

p.s. i-87019R is an AI (Analog Input) High Profile module

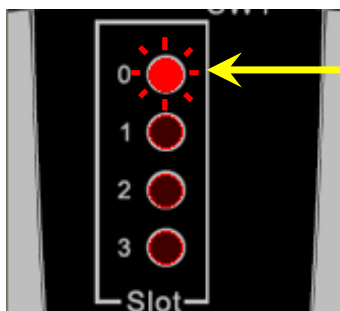
High Profile **Low Profile**

81.08 66.7
102.14 87.46

Slot: 0 1 2 3

Net Address: 1 2 3 4 5

i-87019R is auto-configured:
Baud Rate: 115200
Checksum: Disable
Net Address: 2
Note: The Net Address of USB-87PN is always 1.

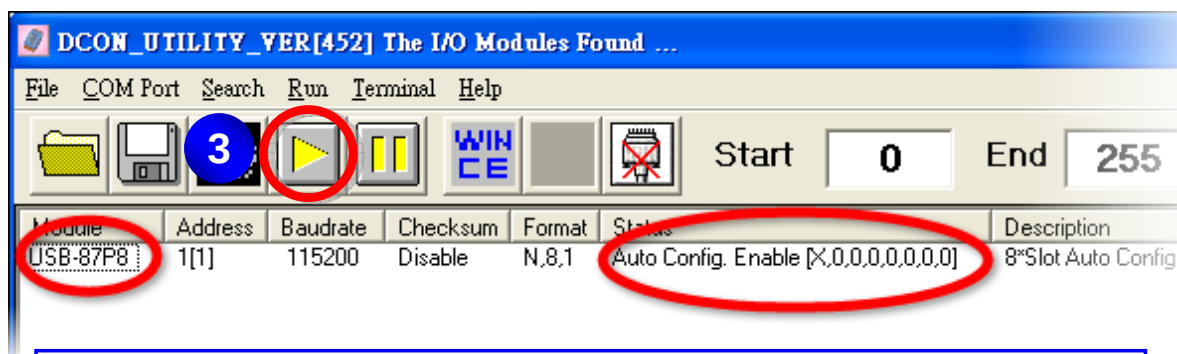
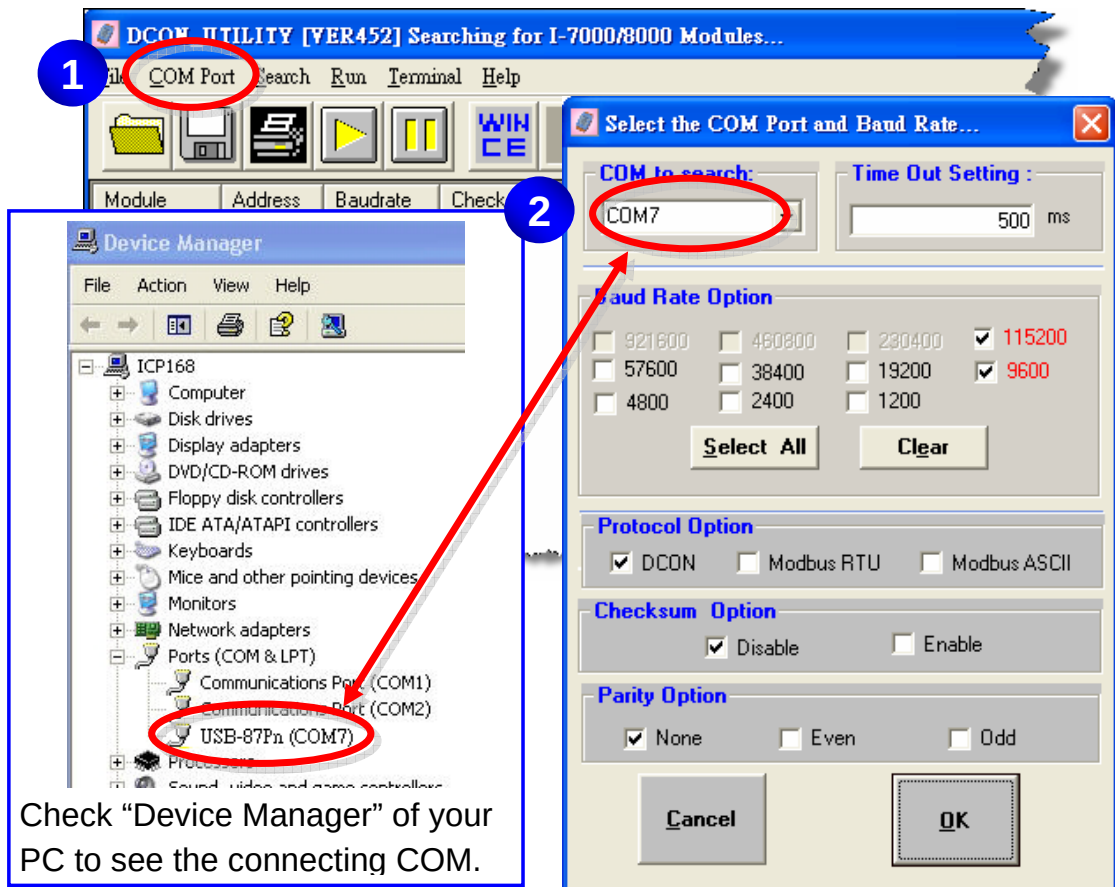


- After plugged in, the slot indicator is flashing per 100 ms.
- When software configuration is completed, the LED becomes off.
- If configuration is failed, the LED is always on.

Software Configuration

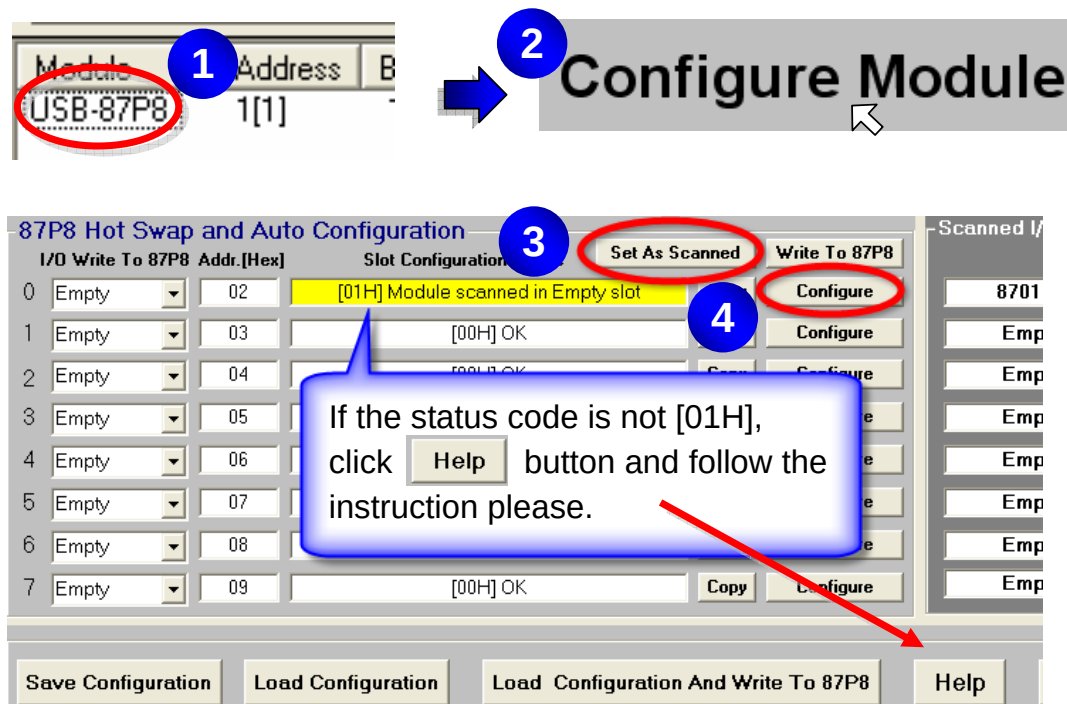
1. Run DCON Utility to **Search** the USB-87Pn (Ex: USB-87P8)

Note : Please finish the “Preparation” (P.1) before Software Configuration.

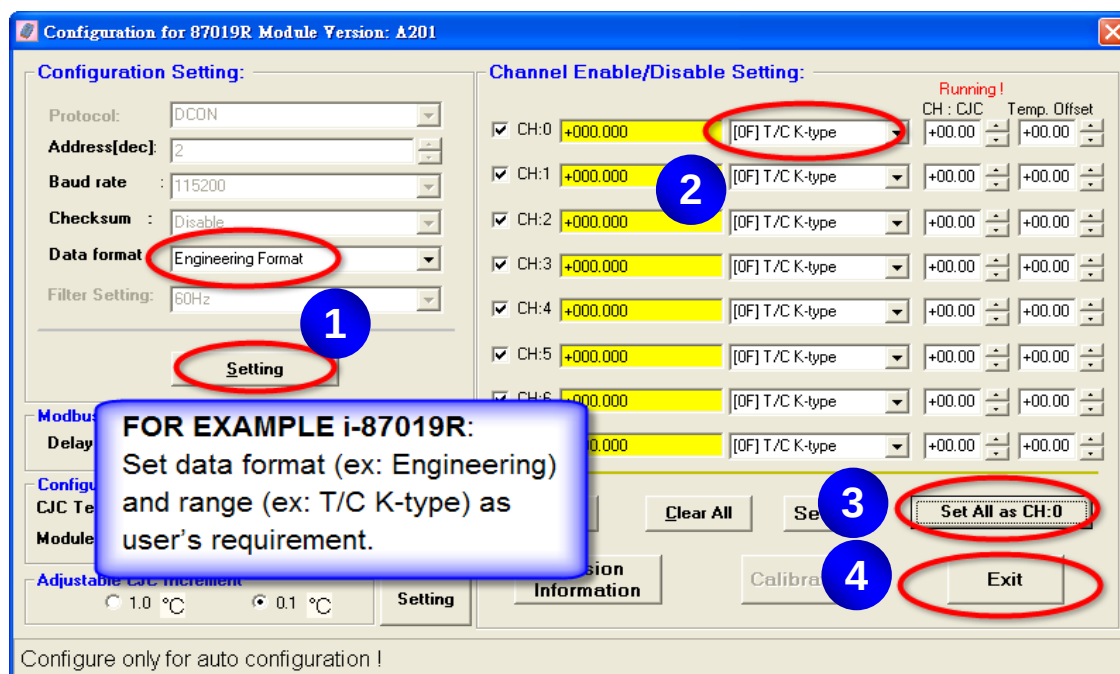


When the USB-87Pn is found, click  to stop the searching.
The “X” of “[X,0,0,0,...]” means “The configuration of that slot is not completed or not correct.”

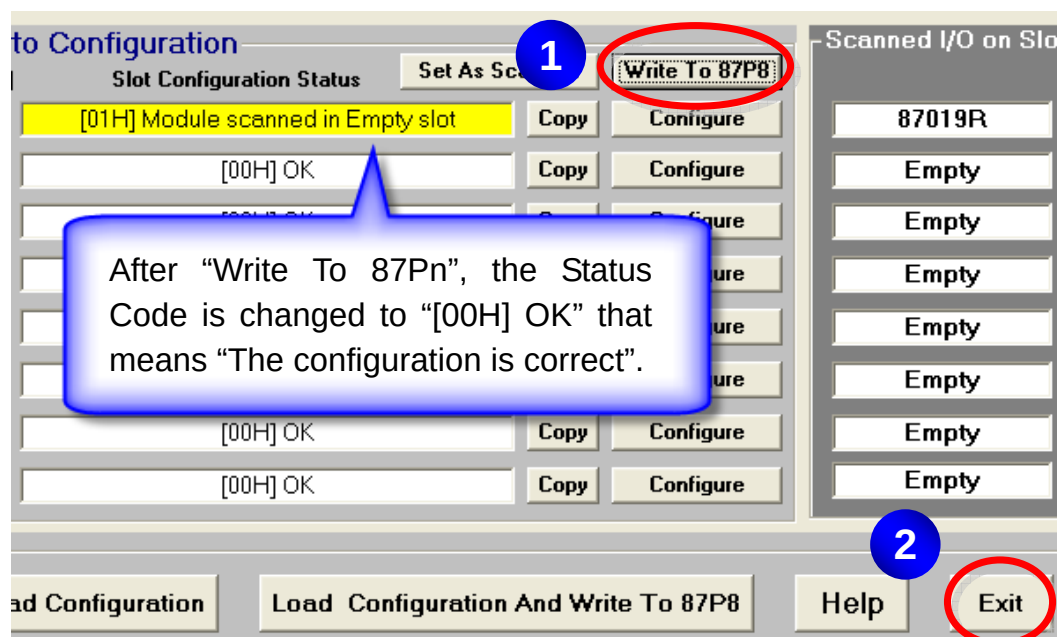
2. Click “USB-87Pn” to setup slots



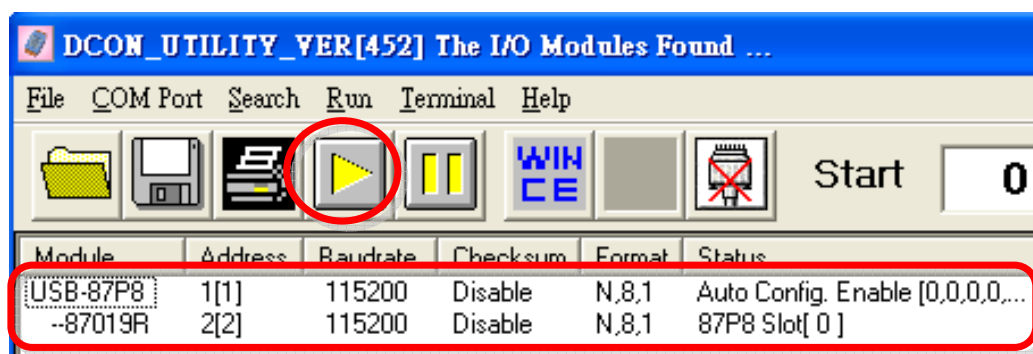
3. Configure the 87K I/O module



4. Click “Write To 87Pn” button



5. Click “Start Search” button



Now the configuration is done!

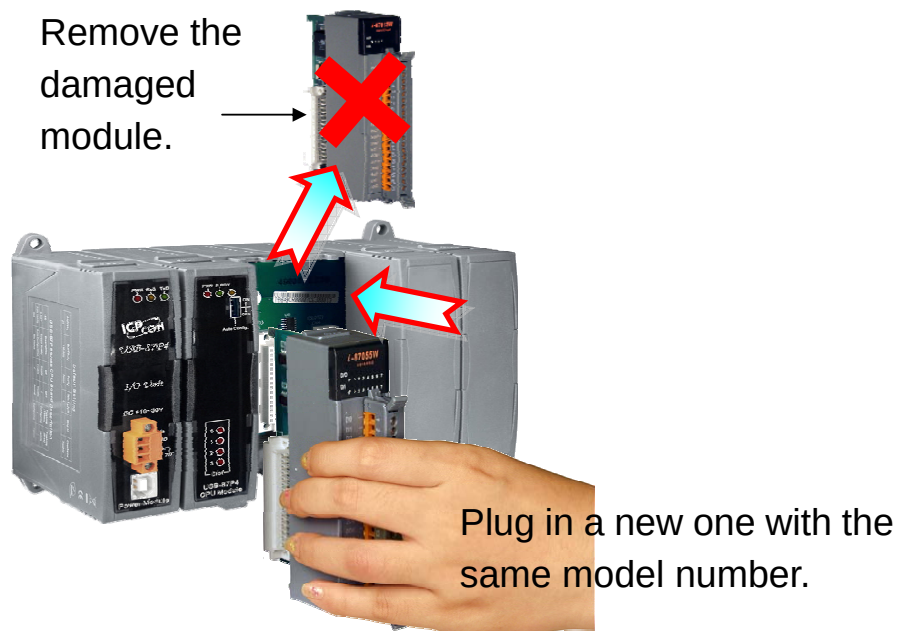
“[0,0,0,0...]” of “Status” means “The I/O configuration of each slot is correct”. Each plugged I/O module will be listed under the USB-87Pn. User can click the name of I/O module to watch its configuration.

Note:

1. For changing the configuration of 87K I/O module, please repeat from the STEP 2 of the Software Configuration.

Change the hardware I/O module

User doesn't need to configure I/O module again!



Easy! Convenient!