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Author	James	Version	1.0.0	Date	2010/7/12	Page	1/5

How to use FRnet modules in NAPOPC_ST ?

Applies to:

Platform	OS version	NAPOPC version
PC	XP	NAPOPC_ST v3.20

If you want to exchange data between PC and FRnet modules, you have to install **FRB-200** on your PC, so as to communicate with FRnet modules.

Before operating, let's clarify Receiver Address and Sender Address:

On the manual of FRnet DI modules, it may just show that "Sender Address" is between 8 to 15. However, In NAPOPC, we have to set "Receiver Address" the same as "Sender Address" of FRnet DI modules.

Actually, "sender" and "receiver" have opposite relationship. For example, when FRnet DI module gets a DI Signal and "send" it to NAPOPC, in this situation, NAPOPC plays the role of "receiver". On the contrary, when we "send" command from NAPOPC to the DO module, the role of DO module is "receiver". Please follow this rule to set FRnet modules in NAPOPC.

FRnet modules are not supported by "Search" function, you can only add FRnet modules manually.

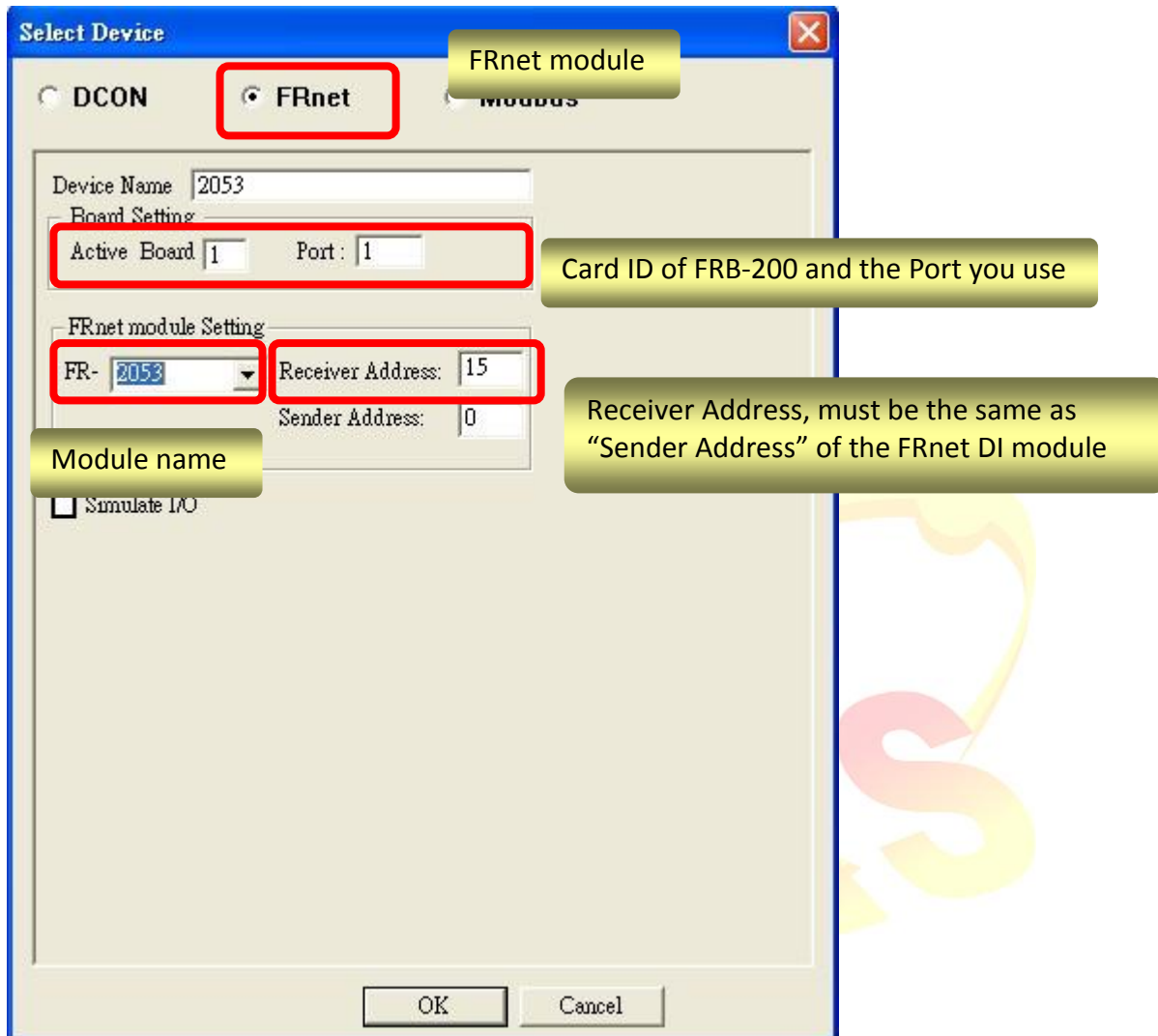
Step 1 Add FRnet DI module (Example: FR-2053)

Click "Device" on the Toolbar to add new device.



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It will show you the dialog as below:

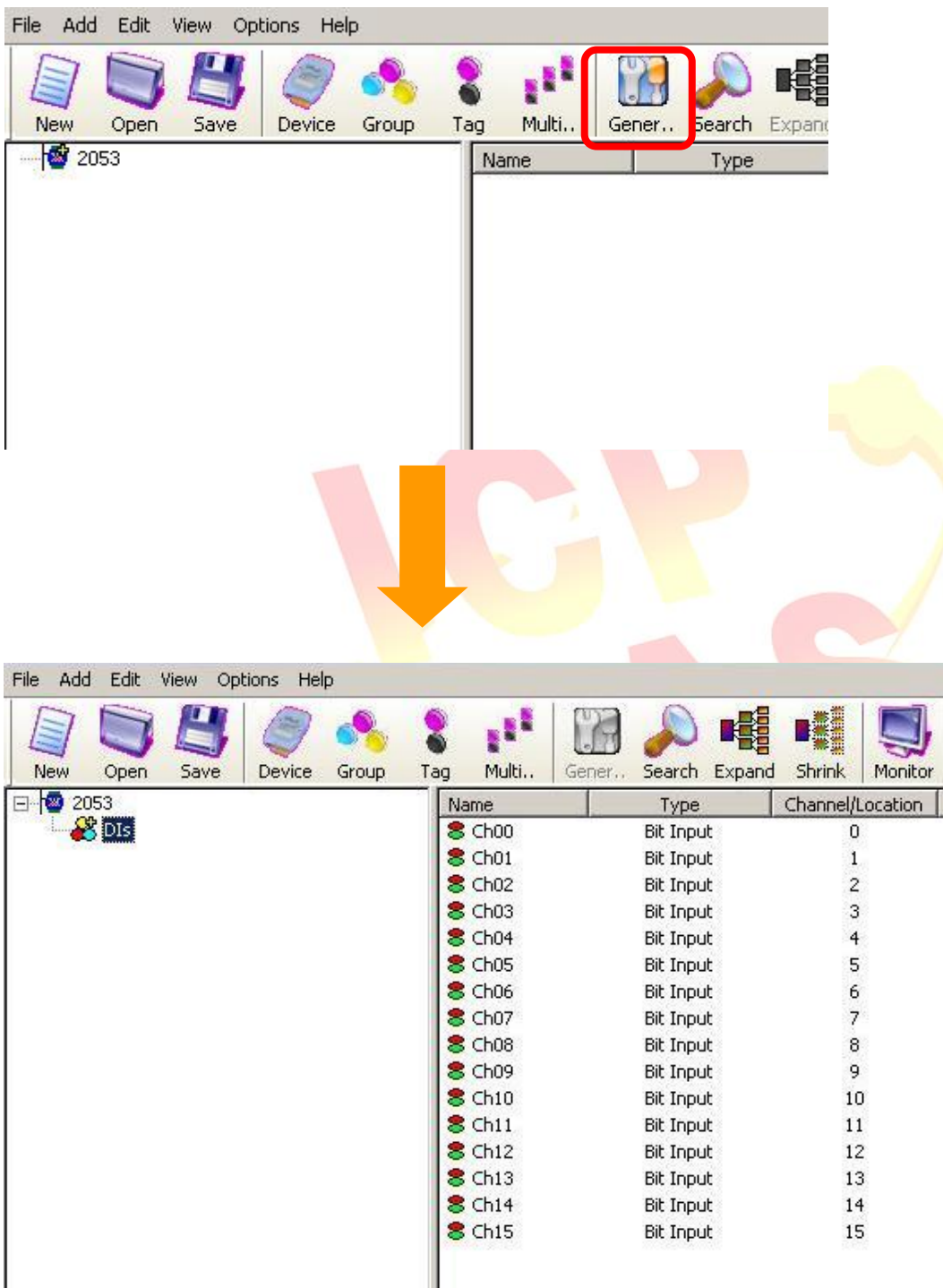


After setting up, just click "OK".

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Step 2

FR-2053 is added, then click "Generate Tags", and it will add all tags for you according to FR-2053 specification.



Now we could exchange data between PC and FR-2053.

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Step 3 Add FRnet DO module (Example: FR-2057)

Basically, the procedure is the same as before, the only difference is that you have to set “Sender Address” instead of “Receiver Address”.

The screenshot shows the 'Select Device' dialog box with the 'FRnet' radio button selected. The 'Device Name' is set to '2057'. Under 'Board Setting', 'Active Board' is '1' and 'Port' is '1'. Under 'FRnet module Setting', the 'FR-' dropdown is set to '2057', 'Receiver Address' is '8', and 'Sender Address' is '7'. A 'Simulate I/O' checkbox is present but unchecked. 'OK' and 'Cancel' buttons are at the bottom.

FRnet module

DCON **FRnet** Modbus

Device Name: 2057

Board Setting

Active Board: 1 Port: 1

FRnet module Setting

FR-: 2057 Receiver Address: 8

Sender Address: 7

Simulate I/O

OK Cancel

Card ID of FRB-200 and the Port you use

Sender Address, must be the same as “Receiver Address” of the FRnet DO module

Module name

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Step 4

The following procedure is the same as add FR-2053. Click "[Generate Tags](#)" to add tags, then it's done.

