Chapter 9
Other functions

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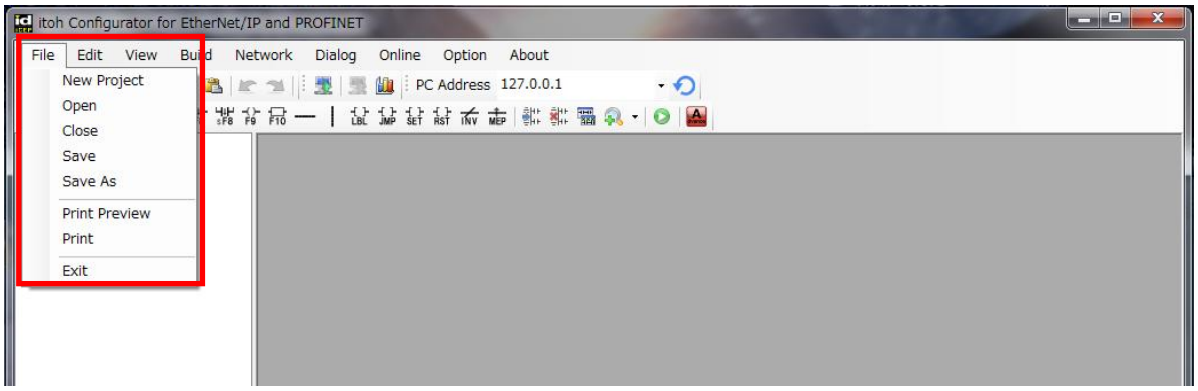
1 File

From menu bar click [File]



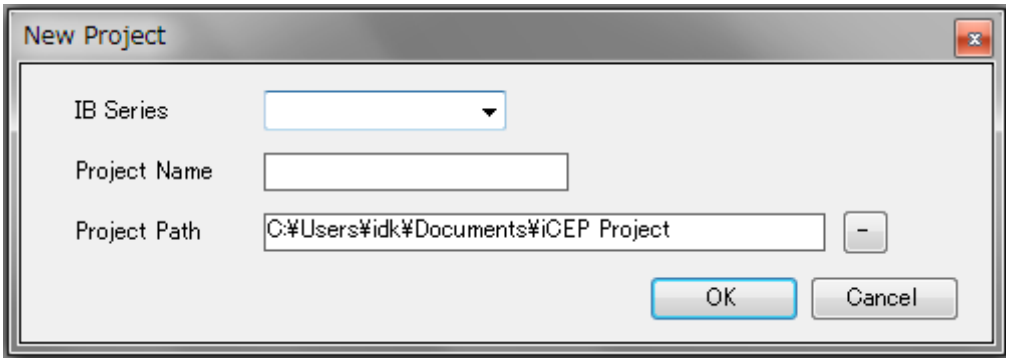
Available menu options,

・New Project	Create new project.
・Open	Open existing project.
・Close	Close project.
・Save	Save project by overwriting the project.
・Save As	Save a project with new name.
・Print Preview	Show print preview.
・Print	Print ladder logic that is being displayed.
・Exit	Exit itoh Configurator for EtherNet/IP and PROFINET.

1.1 Creating New Projects

Creating New Projects.

From menu bar click [File] – [New Project]



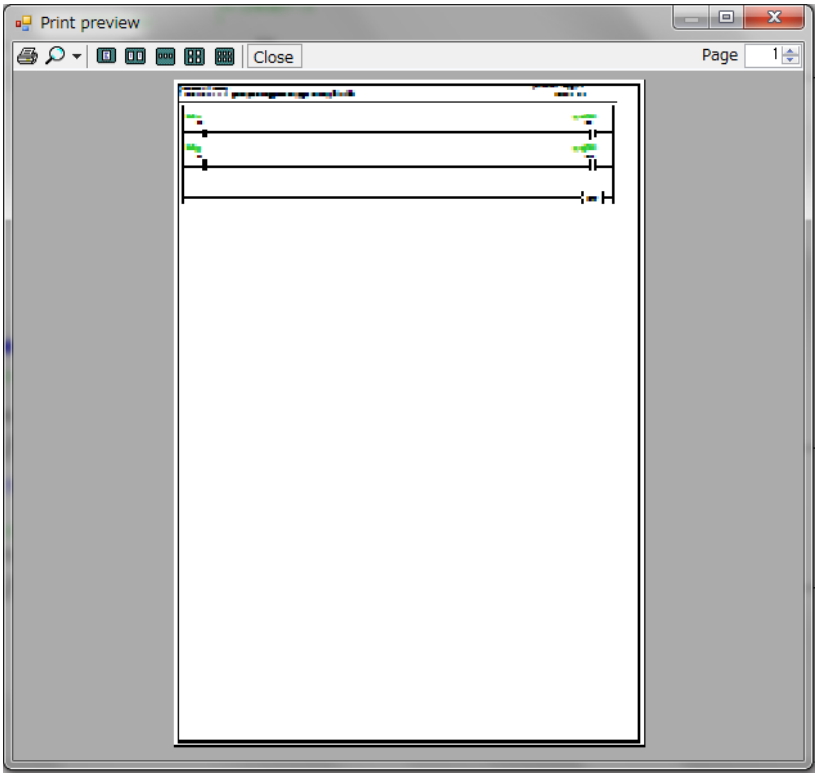
IB Series	Select IB series for this project.
Project Name	Type name of project to be created.
Project Path	Folder to save this project.

Fill the blanks, and click “OK.”

1.2 Print Preview

Print preview of ladder logic is displayed.

From menu bar click [File] – [Print Preview]

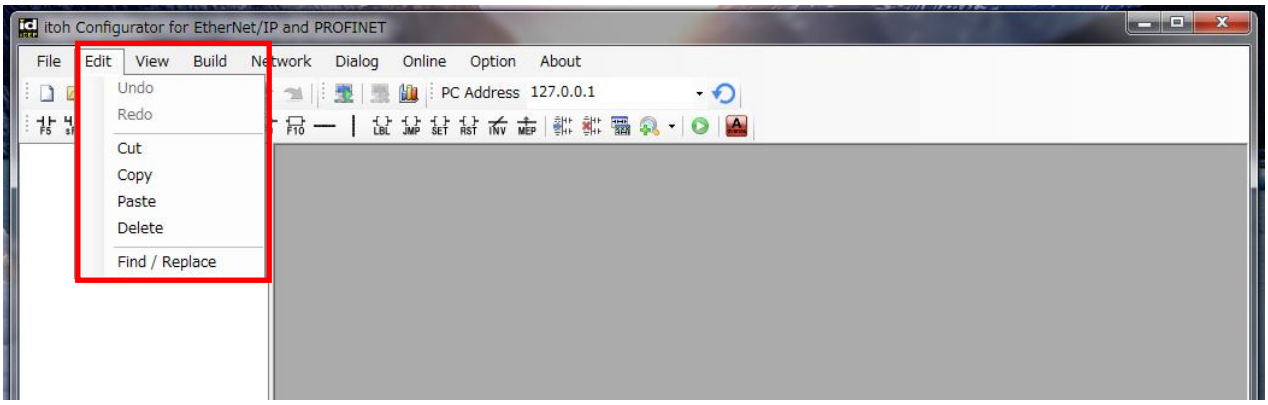


Preview of print is displayed. If no ladder or program is displayed, print preview is disable.

> ・Paper size setting is only A4.

2 Edit

From menu bar click [Edit].



Available menu options,

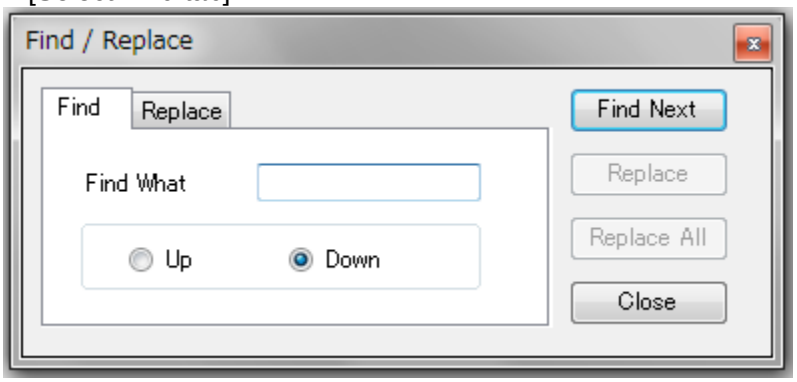
・Undo	Back one step the previous editing operation.
・Redo	Cancel Undo command.
・Cut	Cut a selected area in ladder logic.
・Copy	Copy selected area in ladder logic.
・Paste	Paste cut or copied area.
・Delete	Delete selected area in ladder logic.
・Find / Replace	Find and replace selected ladder command.

・Copy command do not copy line comment.

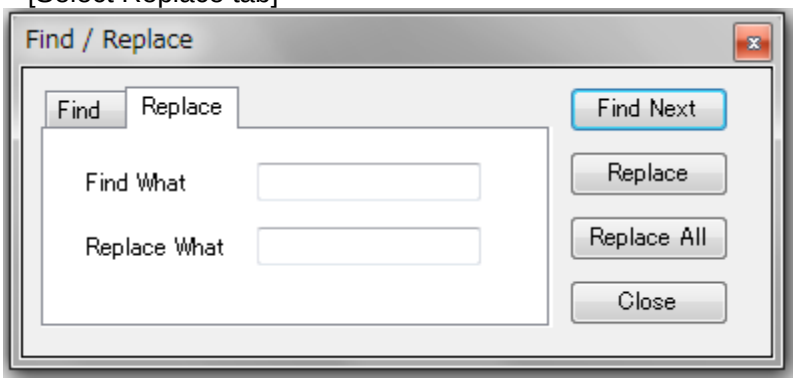
2.1 Find / Replace

From menu bar click [Edit] - [Find / Replace]

[Select Find tab]



[Select Replace tab]

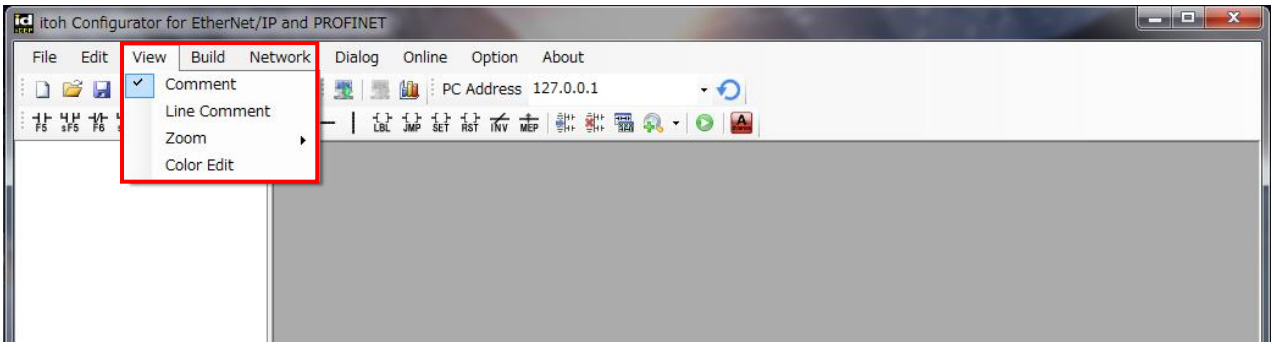


The functions are,

Find Tab	Find What	Search item.
	Up/Down	Search Up word or Down word.
Replace Tab	Find What	Search item.
	Replace What	Replace searched item with.

3 View

From menu bar click [View]



Available menu options,

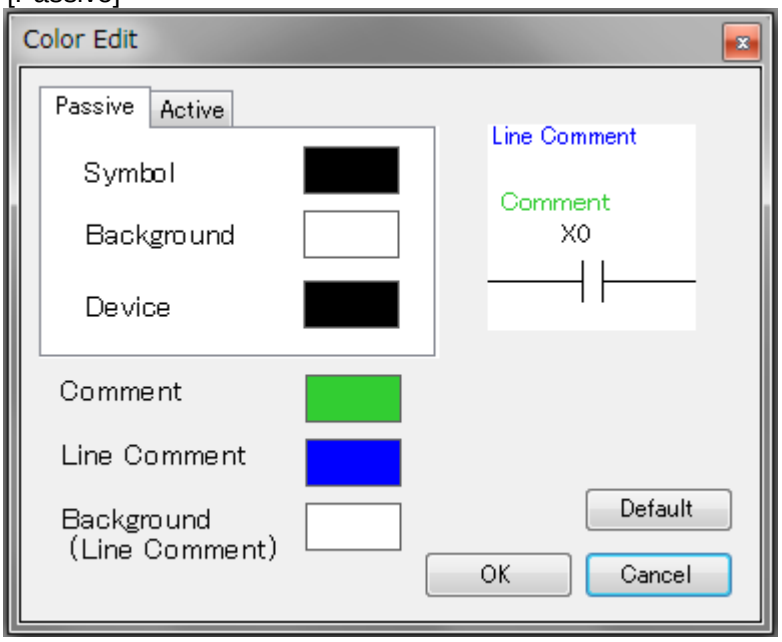
・Comment	Select to turn on or off comments at command.
・Line Comment	Select to turn on or off line comment.
・Zoom	Zoom displayed view by 50%,75%,100% or 125%.
・Color Edit	Change color code of display.

3.1 Color Edit

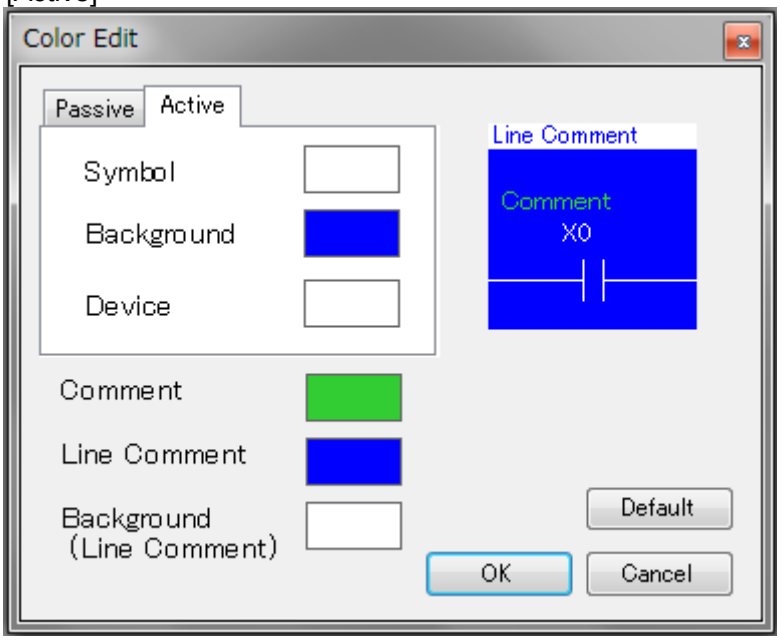
Change color coding of ladder display.

From menu bar click [View] – [Color Edit]

[Passive]



[Active]



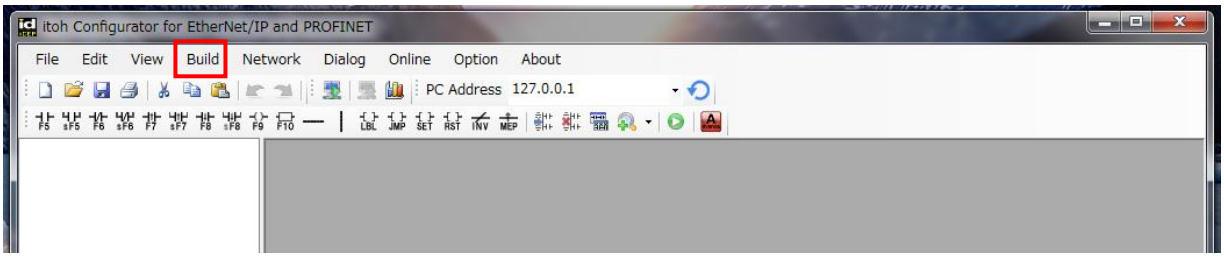
The functions are,

- OK　　Reflect the color code.
- Default　　Return to default color.
- Cancel　　Cancel, changes do not reflect.

> ・Changes are reflected immidiately. Does not require any restart.

4 Build

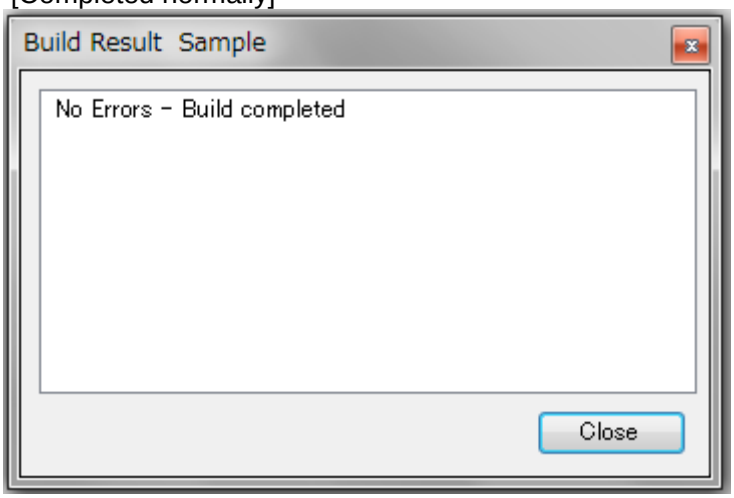
Build command for displayed program.
Error message is displayed.



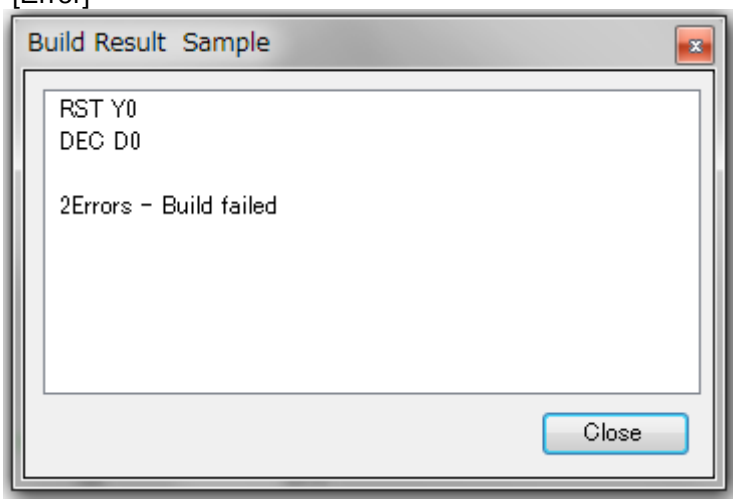
・Build　　Build command for ladder logic.

Screenshots below are shown Build completed and failed.

[Completed normally]

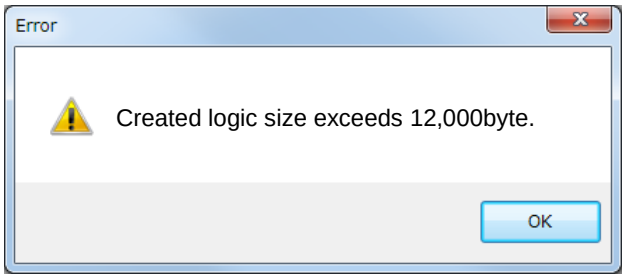


[Error]



Note: Maximum ladder size is 12,000 byte.
Any ladder larger than 12,000byte cannot be downloaded (written) to IB controller.

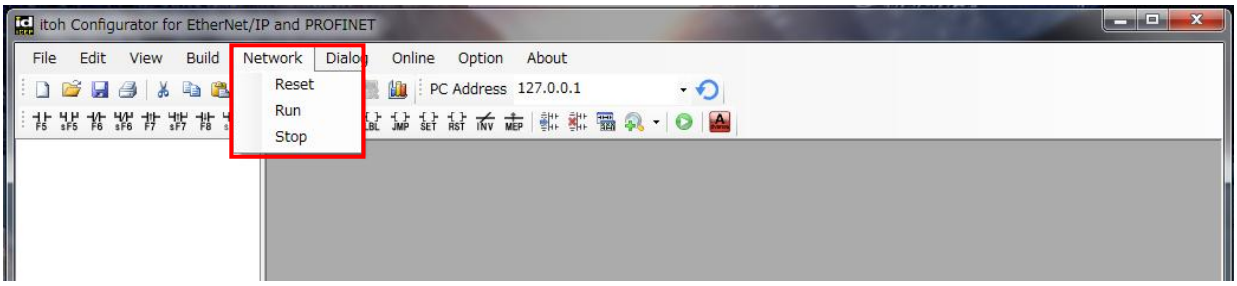
The message below is displayed when the capacity is over 12,000byte.



・When logic is imported, logic will not back up unless Build command is excuted.
However command downloaded (written) can be excuted without Build command.

5 Network

From menu bar click [Network]

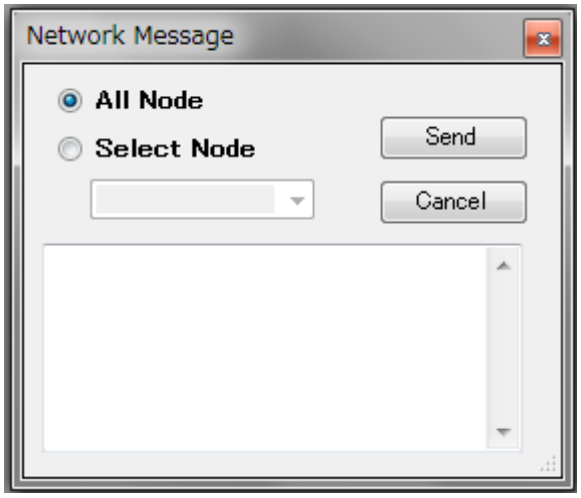


Available menu options,

- Reset　　Reset controller.
- Run　　Start running ladder logic.
- Stop　　Stop running ladder logic.

5.1 Network Message

Send the Reset, Run and Stop message to the controller.



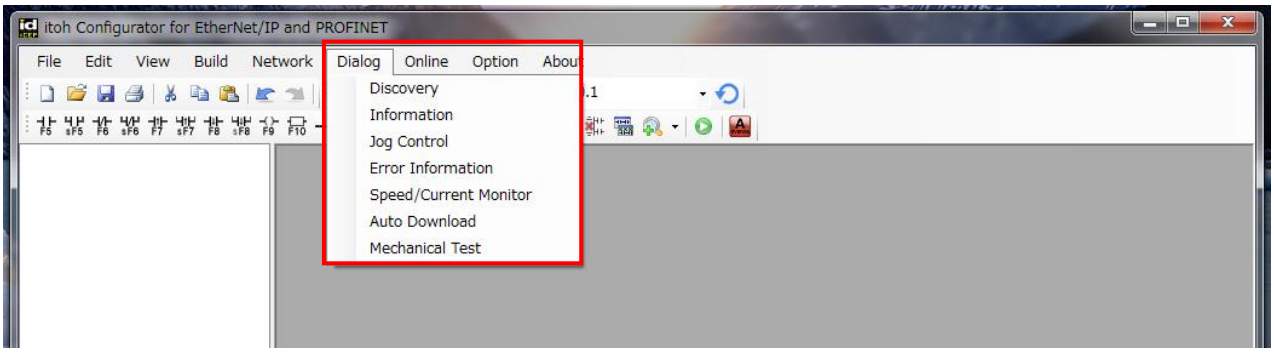
The functions are,

- All Node　　Send the messages to all controller.
- Select Node　　Send the messages to the controller specified.

> ・Computer connected must have valid IP address. Check IP address setting if IP address not valid command will not execute currently.

6 Dialog

From menu bar click [Dialog]



Available menu options,

・Discovery	Search connected IB controller and able to change IP address.
・Information	Select network IP address, then display Node address (IP address), logic name, build date, Master / Slave, backup, auto download, life time etc.
・Jog Control	Open manual control screen of motor and remote output by selecting controller IP address.
・Error Information	Select network IP address then display error information.
・Speed/Current Monitor	Select network IP address the display setting tab, monitor tab to display speed and current of motor.
・Auto Download	Enable auto download function.
・Mechanical Test	Mechanical test for selected network address to display motor status.

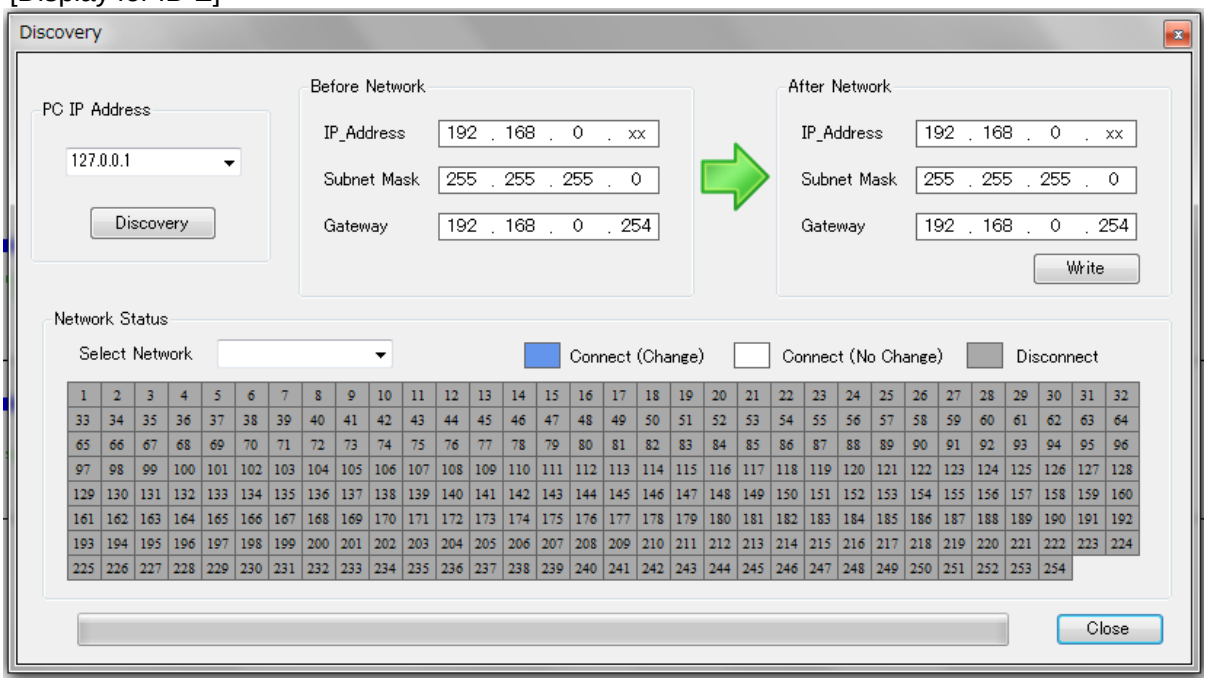
6.1 Discovery

Display IP address of IB controller connected with specified PC network IP address.

From menu bar click [Dialog] – [Discovery].

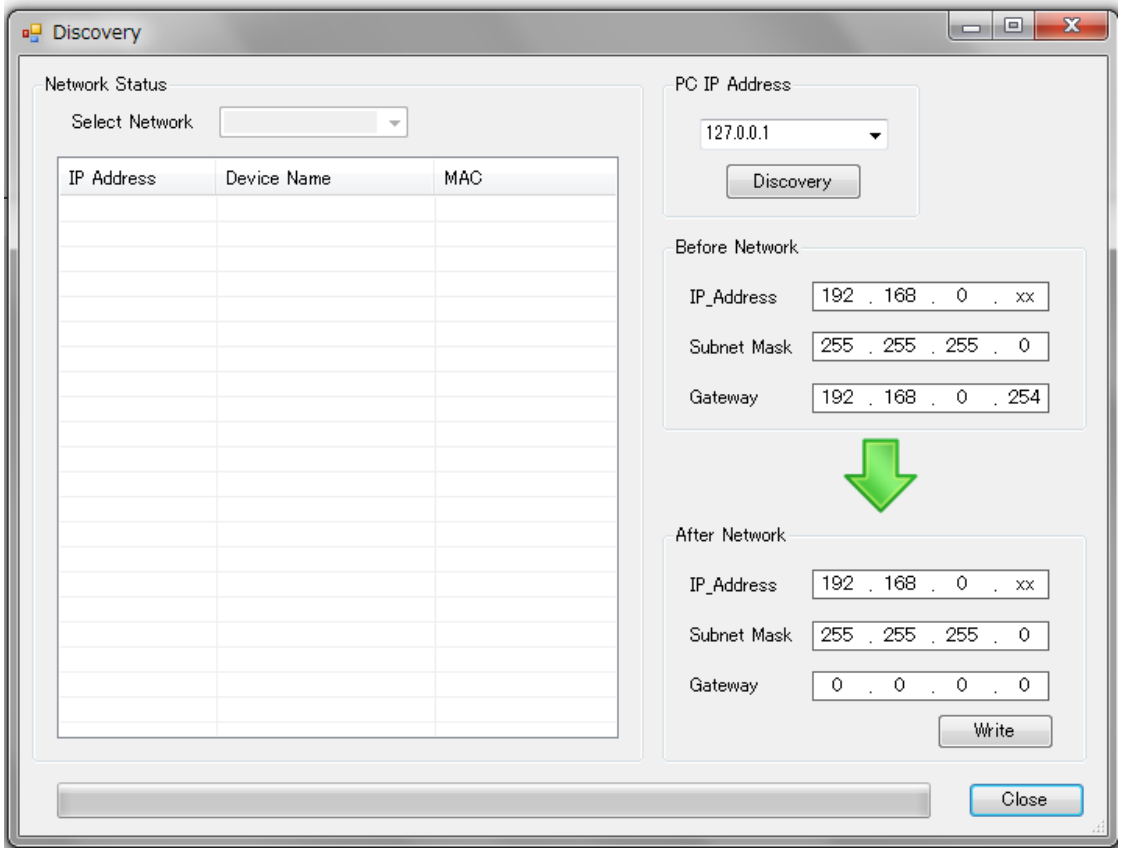
The display is different to IB-E project and IB-P project, refer to the images in below.

[Display for IB-E]



Display for IB-P is next page.

[Display for IB-P]



The functions are,

- Discovery　Search with in specified IP address.
- Write　Excute before network to after network address.
- Close　Close [Discovery] screen.

> ・For IB-P screen, Device Name is dispalyed and allow to edit.

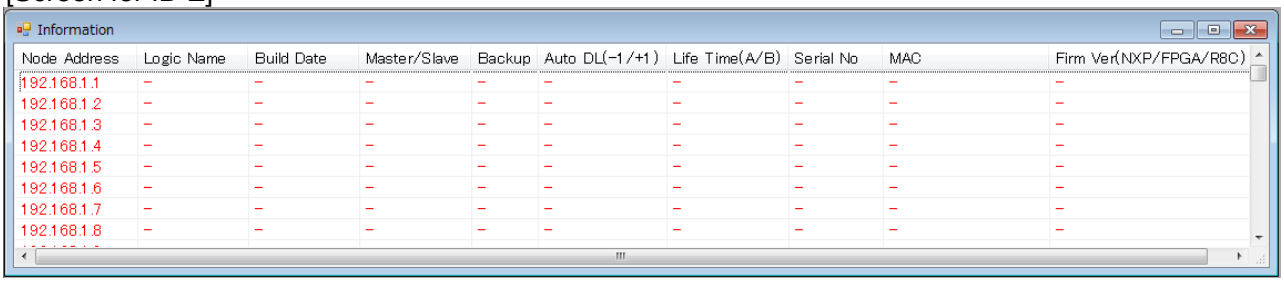
6.2 Information

Information of controller can be displayed.

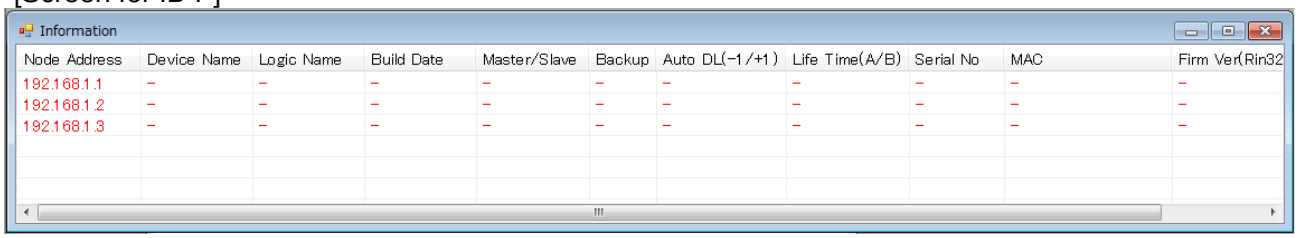
From menu bar click [Dialog] – [Information]

The screen of IB-E project and IB-P project are different, refer to the images in below.

[Screen for IB-E]

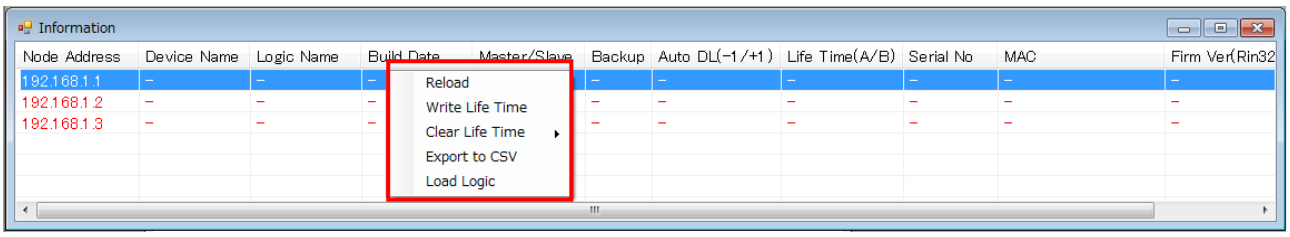


[Screen for IB-P]



Controller connected is displayed in black, controller disconnected is displayed in red.

Right click on the screen, display context menu in red box below.



Available menu options,

- Reload — Reload an information from controller.
- Write Life Time — Over write motor life time.
  Over write range is 0% to 300%.
- Clear Life Time — Reset life time.
- Export to CSV — Export to CSV, information of controller.
- Load Logic — Load logic from controller, and register to project tree is available.

6.3 Jog Control (Jog operation)

Manual operation of each device connected to controller.

From menu bar click [Dialog] – [Jog Control]

Up to 5 IP address can be displayed and operated at same time.

Read controller setting, Speed 1 to Speed 4 is selectable.

When controller setting is motor port, Motor A and Motor B RUN are displayed as PortU, Motor A and Motor B Stop are displayed as PortV.

The functions are,

・Enable	Connect Jog control.
・Disable	Disconnect Jog control.
・RUN	Run motor.
・Stop	Stop motor.
・CW	Set motor direction to CW.
・CCW	Set motor direction to CCW.
・Remote OUT	Select Remote OUT connector number.
・ALL Stop	Stop all Jog control.
・Close	Close screen.

6.4 Auto Download

Any connected controller is opened project is capable of Auto download.

From menu bar click [Dialog] – [Auto Download]

Auto download function, will download to each controller, Configuration IP address and one IP address before and after of controller downloading.

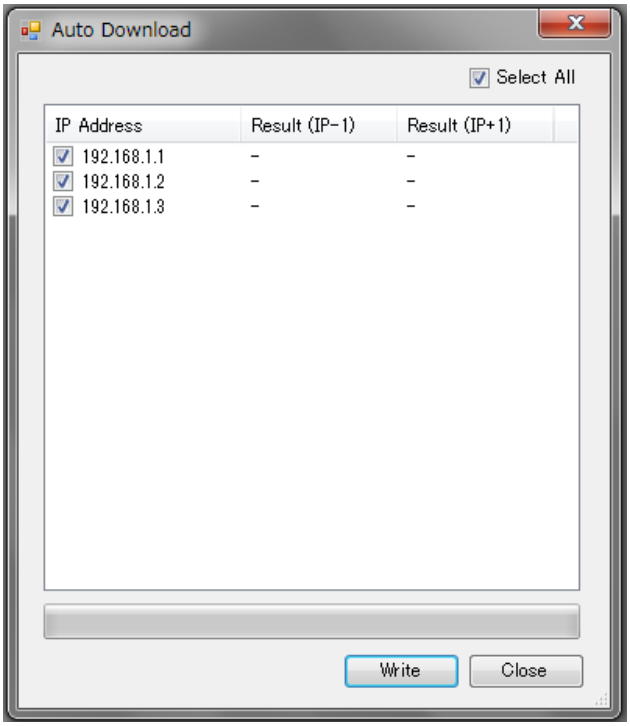
Note1	One IP address before and after, example if IP address is 110 then IP address 109 and 111 Configuration setting and program is save to IP address 110 also.
Note2	If IP address before and after, 109 and/or 111 does not exist within project network no data saved for one before and/or is for.
Note3	Saving one before and after is for emergency back up, for use assign IP address number is sequence is recommended.
Note4	Available IP address per network is 1 to 254. Thus is downloading; IP address 1, data from IP address 254 and 2 are saved IP address 254, data from IP address 253 and 1 are saved

See screenshot below, before and after auto download:

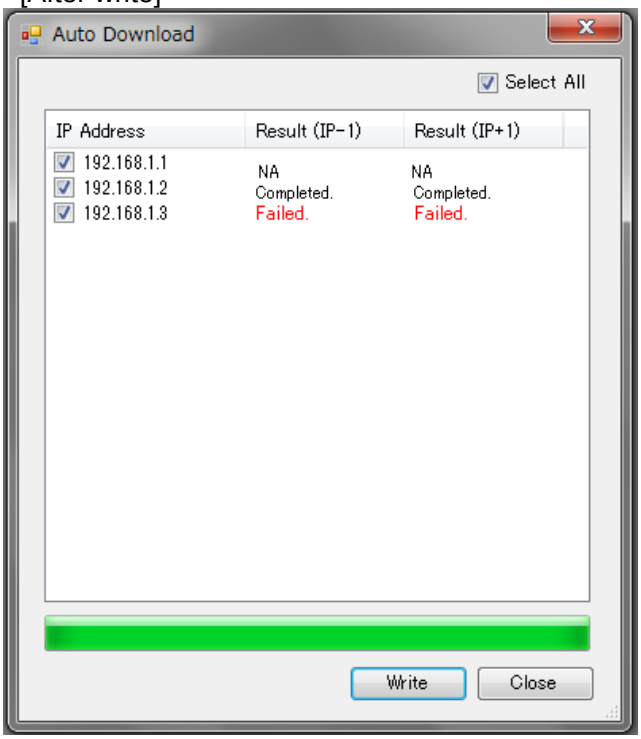
Completed normally	Completed (Black)
Failed	Failed (Red)
Unused	Of one before / after IP address do not exist (Black)

IP address 1 is “NA” because there is no IP address 254 in network below.

[Befor write]



[After write]



The functions are,

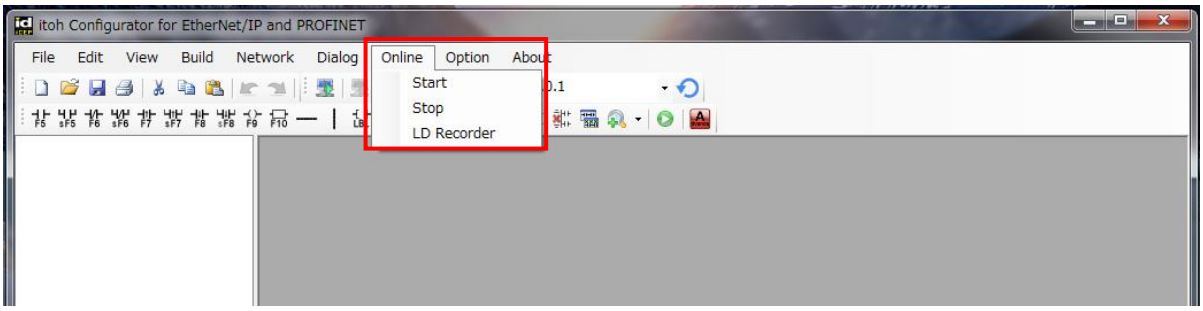
・Write　　Start auto download.

・Close　　Close the screen.

*The setting of Auto Download can be confirmed from menu bar click [Dialog] – [Information].

7 Online

From menu bar click [Online]



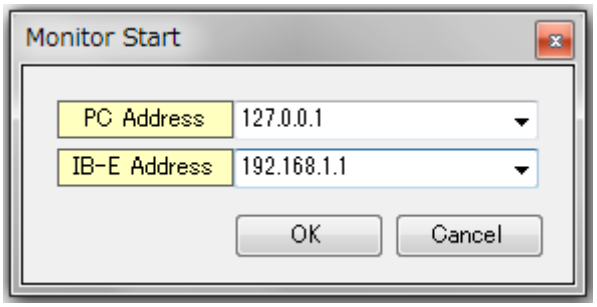
Available menu options,

- Start　　Start monitoring a ladder.
- Stop　　Stop monitoring a ladder.
- LD Recorder　　Start LD Recorder.

7.1 LD Recorder

Analyze ladder logic. For details, refer to Chapter 7 “LD Recorder”.

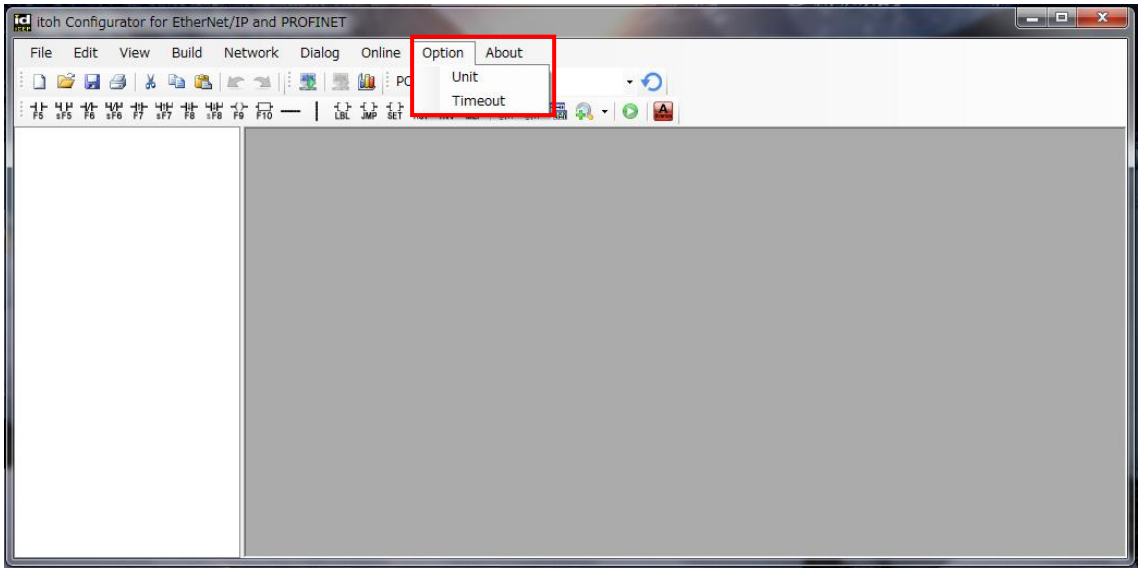
From menu bar click [Online] – [LD Recorder],
the diagram below is displayed.



Select desire IP address the “OK”.

8 Option

From menu bar click [Option]

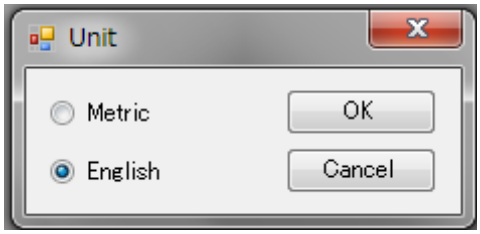


Available menu options,

- Unit　　Select Metric or English.
- Timeout　　Set time out value for communication.

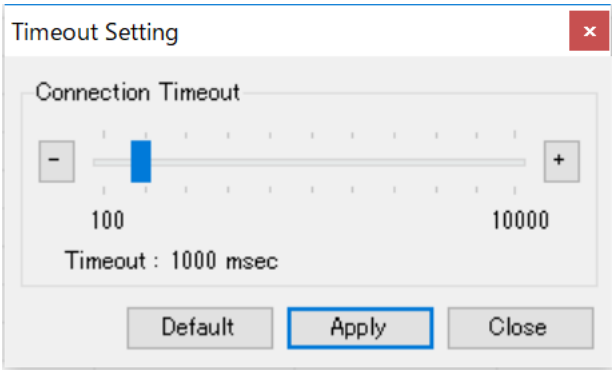
8.1 Unit

Unit set option “Metric” or “English”.
From menu bar click [Option] – [Unit]
Select [Unit], choose “Metric” or “English”, and select “OK”,
selection apply immidiately, no need to restart.



8.2 Timeout Setting

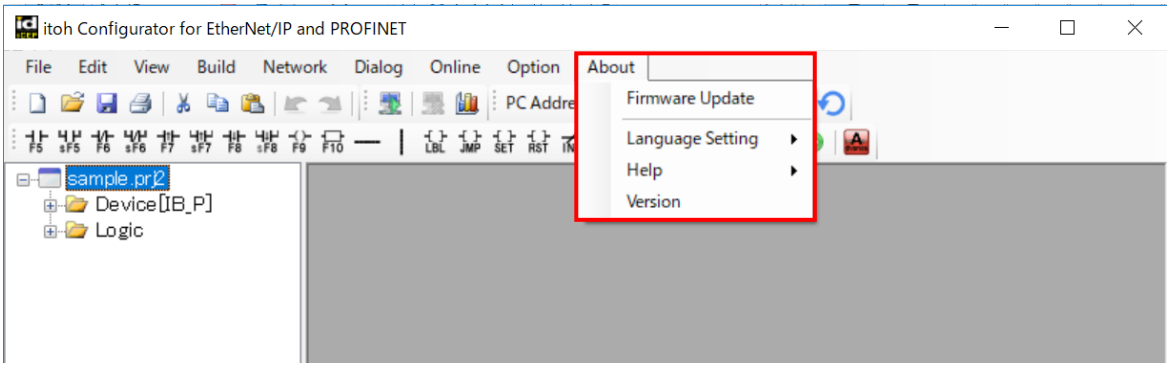
Set communication timeout between PC and controller.
From menu bar click [Option] – [Timeout]



・Default setting is 1000msec.

9 About

From menu bar click [About]



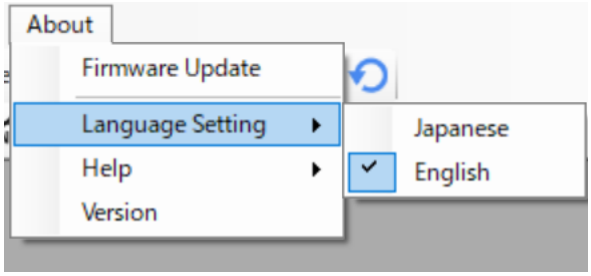
Available menu options,

・Firmware Update	Update controller firmware.
・Language Setting	Select language, English or Japanese.
・Help	View manual.
・Version	Software information and version.

9.1 Language Setting

Language selection.

Language is available to use English or Japanese, default is English.



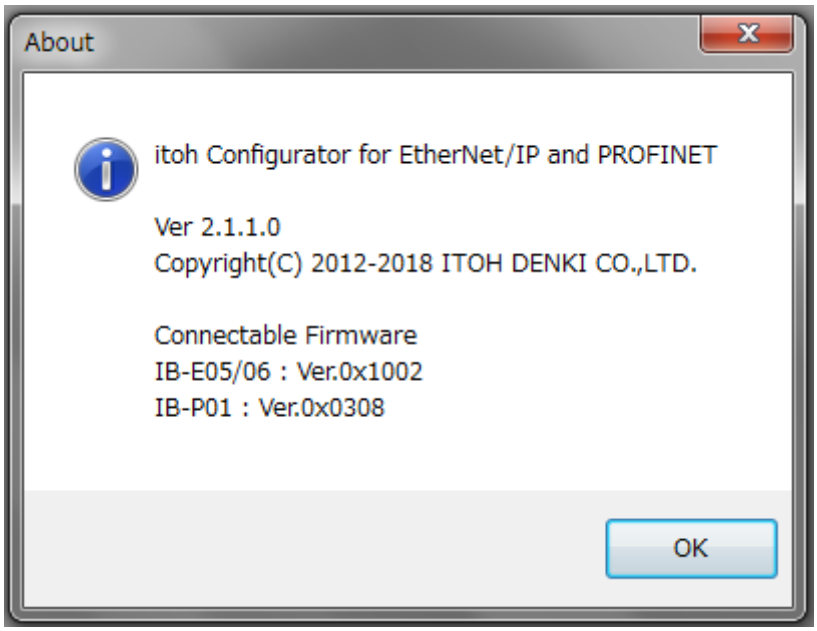
・To apply selection, software need restart.

9.2 Help

Display operation manual (PDF).
The mannual is displayed with selected launguage.

9.3 Version

Version is displayed using iCEP version information.

Must use firmware version displayed or above.

From menu bar click [About] – [Version]