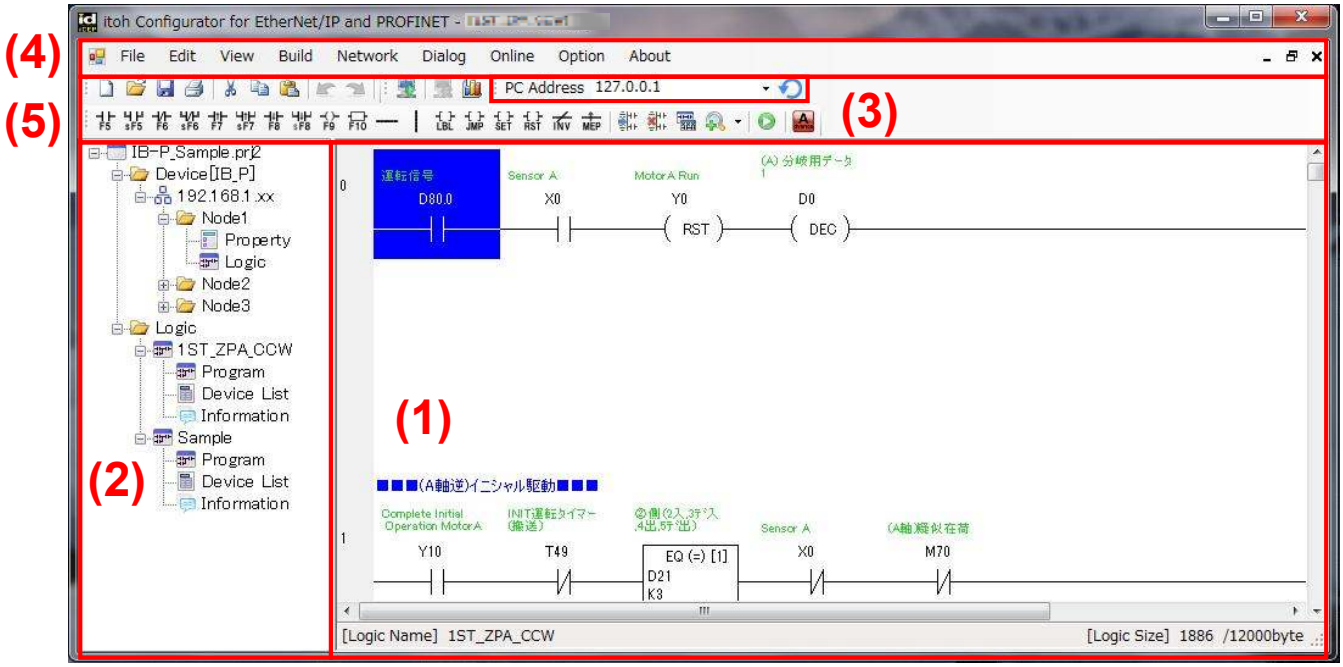
Chapter 2
Initial Settings

1 Home Screen 2-2
2 Creating/Reading Projects 2-5
3 Register / Delete IB controller 2-7
3.1 Register Duplicate IB contoroller 2-10
3.2 Node Comment Functions 2-10
3.3 Delete Network 2-11
3.4 Change Network Address 2-11
4 Register/Delete Logic 2-12
4.1 Import Logic 2-14

1 Home Screen

The window of iCEP is in following below.



(1) Program screen

The program screen is used to create ladder logic. It is possible to create ladder logic using various icons in (5).

(2) Project tree

The project tree displays a tree of registered IBs and ladder logic on the project.

*After registration controller IP address on property setting display B is completed, it is possible to open from project tree.

Logic creating display can open from project tree after registration logis is completed.

(3) PC address setting

Select the IP address using iCEP.

(4)Menu bar

Menu	Sub menu	Descriptions
File	New Project	Create a new project.
	Open	Open an existing project.
	Close	Close the currently-opened project.
	Save	Save the project with updated contents.
	Save As	Save a project with a new name.
	Print Preview	Show the print preview.
	Print	Print the ladder program that is being displayed.
	Exit	Exit iCEP.
Edit	Undo	Go back to the previous editing operation.
	Redo	Go back to the operation before an Undo operation was executed.
	Cut	Cut a selected area in ladder logic.
	Copy	Copy a selected area in ladder logic.
	Paste	Paste the cut or copied area.
	Delete	Delete a selected area in ladder logic.
	Find/Replace	Find/Relplace the ladder command.
View	Comment	Switch between show and hide with respect to each command comment of the ladder logic.
	Line Comment	Select to turn on or off line comment.
	Zoom	Switch the display size of ladder logic (between 50%, 75%, 100% and 125%).
	Color Edit	Change color code of display.
Build	-	Build command for ladder logic.
Network	Reset	Reset an IB.
	Run	Start the suspended ladder logic.
	Stop	Stop the operation of the running ladder logic.
Dialog	Discovery	Search connected IB controller and able to change IP address. IB-P seriese is available to change the device name.
	Information	Select network IP address, then display node 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.
Online	Start	Start monitoring ladder logic.
	Stop	Stop monitoring ladder logic.
	LD Recorder	Start LD Recorder.
Option	Unit	Select Metric or English.
	Timeout	Set time out value for communication.
About	Firmware Update	Update controller firmware.
	Language Setting	Select language, English or Japanese.
	Help	View manual.
	Version	Software information and version.

(5) Icons

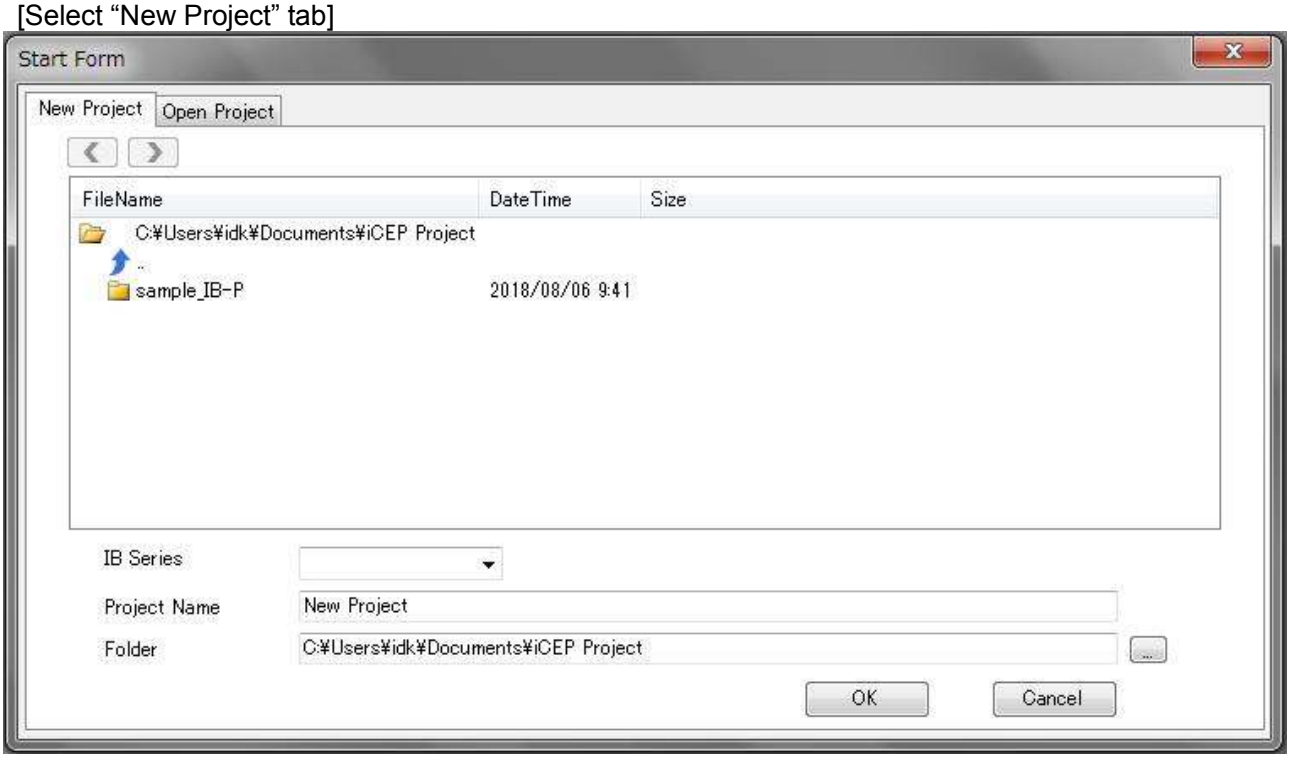
Menu	Description	Shortcut key
	Creat a new project.	Ctrl + N
	Open an exsisting project.	Ctrl + O
	Save the project with update contents.	Ctrl + S
	Print the ladder program that is being displayed.	Ctrl + P
	Cut a selected area in ladder logic.	Ctrl + X
	Copy a selected are in ladder logic.	Ctrl + C
	Paste the cut or copy area.	Ctrl + V
	Go back the previous editing operation.	Ctrl + Z
	Go back to the operation before as Undo the operation was excuted.	Ctrl + Y
	Star monitoring ladder logic.	-
	Stop monitoring ladder logic.	-
	Start monitoring the current.	-
F5	Indicate a LD command.	F5
sF5	Indicate an OR command.	Shift + F5
F6	Indicate a LDI command.	F6
sF6	Indicate an ORI command.	Shift + F6
F7	Indicate a LDP command.	F7
sF7	Indicate an ORP command.	Shift + F7
F8	Indicate a LDF command.	F8
sF8	Indicate an ORF command.	Shift + F8
F9	Indicate an OUT command.	F9
F10	Indicate a FB command.	F10
—	Indicate a horizotal line.	Ctrl +arrow key (side to side)
|	Indicate a vertical line.	Ctrl + arrow key (up and down)
LBL	Indicate a LBL command.	-
JMP	Indicate a JMP command.	-
SET	Indicate a SET command.	-
RST	Indicate a RST command.	-
INV	Indicate an INV command.	-
MEP	Indicate a MEP command.。	-
	Add a line.	Shift + Insert
	Delete a line.	Shift + Delete
	Switch between show and hide with respect to each command comment of the ladder logic.	-
	Switch the display size of ladder logic.	Ctrl + scroll wheel
	Bulid ladder logic.	F4
A B	Select Advanced Mode or Basic Mode.	F12

2 Creating / Reading Projects

When iCEP is activated, start form is displayed.
It is possible to open the creating new project or existing project in a start form.

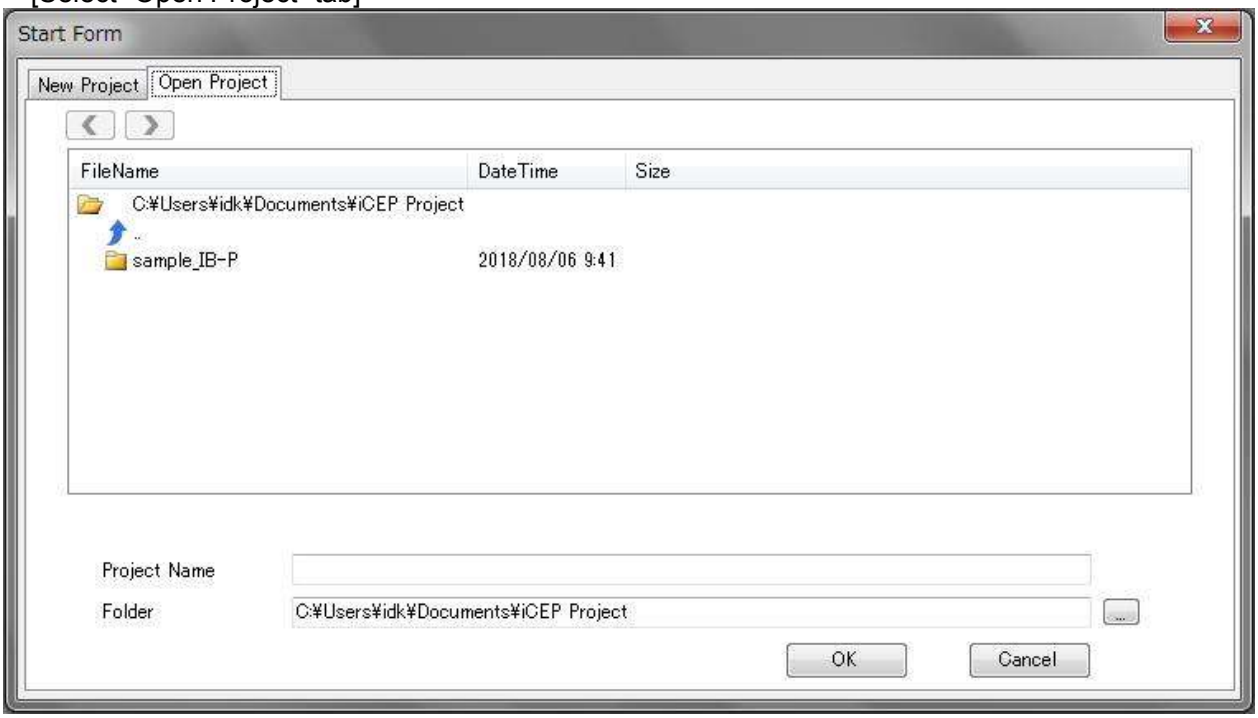
Switching to the home screen by completing creating a new project or opening an existing project.
Home screen is displayed without projects by clicking “Cancel”.

[Select “New Project” tab]



- Select IB series and set a project name and a location to save the project file. Then click “OK” to create a project.
- The default file saving location is [iCEP Project] under [Documents].

[Select “Open Project” tab]



・Open a existing project saving in PC.
・Select a project and click “OK” to open a project.

> ・Double click a project file can also open the project.

3 Register / Delete IB Controller

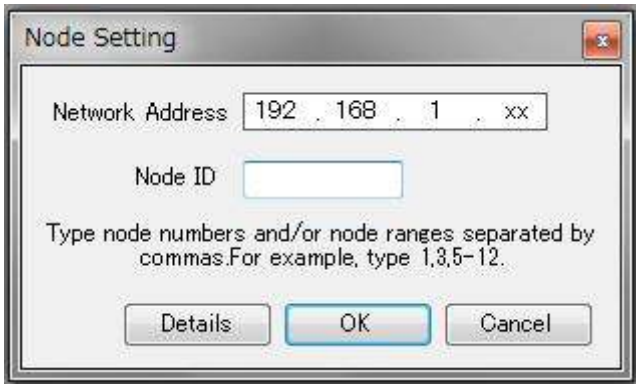
Registering an IB controller

Register selecting node (IP address) in project tree is available.

Right click “Device” in project tree. Then click “Add”, a registration screen is displayed.
It is possible to open a property setting screen after registering IB controller node is completed.

It is possible to register more than one node in node ID field.

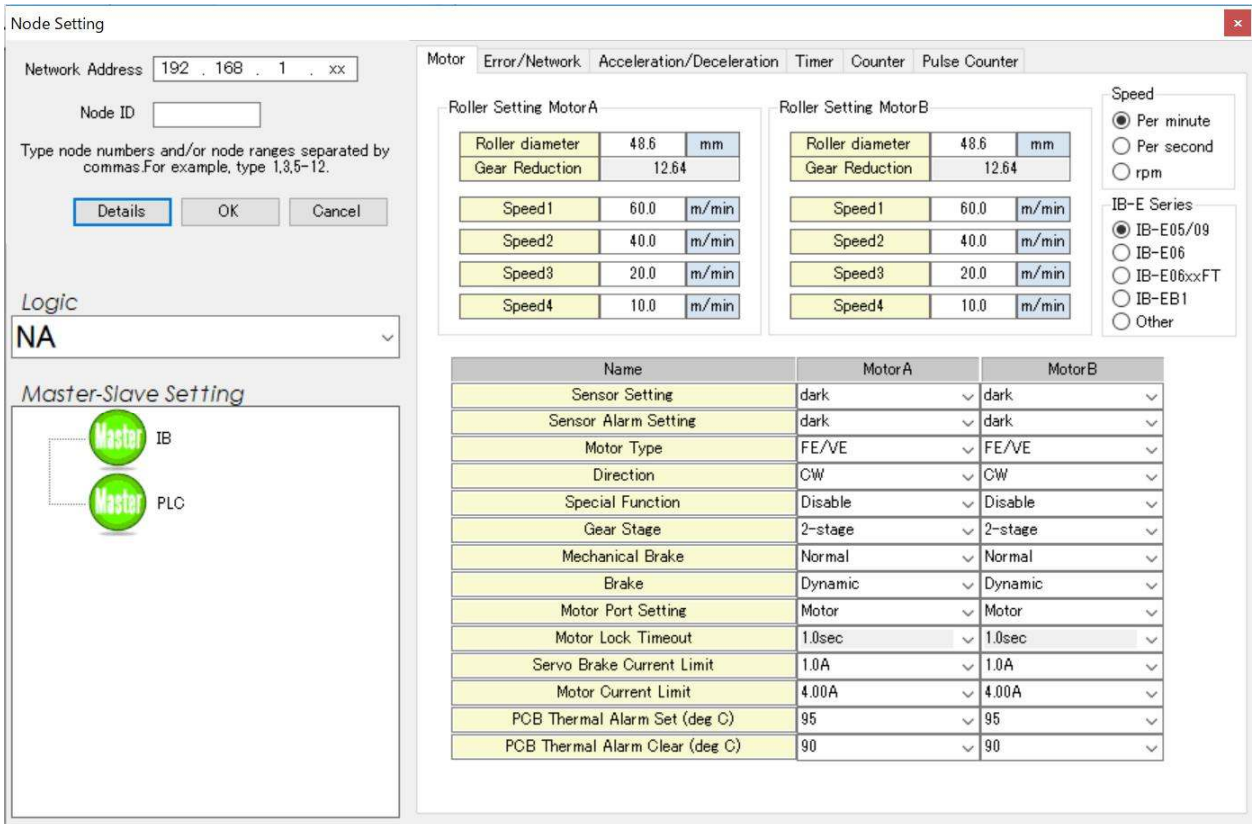
Example When Node ID is registered 1 to 3, enter either [1-3] or [1, 2, 3].
Example When Node ID is registered 1 and 3, enter [1, 3].



・The Node ID (value of xx) that can be set is value from 1 to 254.

A diagram below is displayed by clicking “Details” in Node Setting screen.

Parameter of IB controller from initializing value can be changed when set IB controller to project in below .

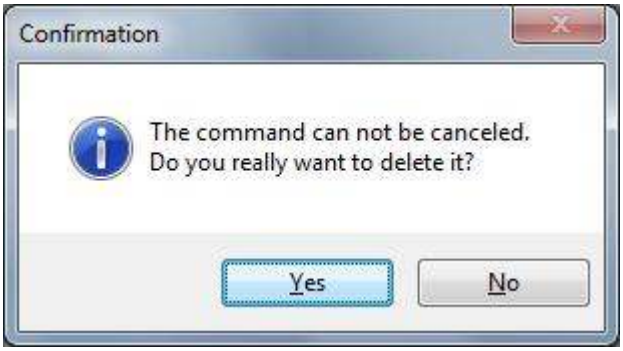


Parameter setting is displayed in Chapter 3 “Property Settings”.

Delete IB controller

Selected node can be deleted from project tree.

Right click on node to delete and click “Delete”.
Click “Yes” to delete the selected node.

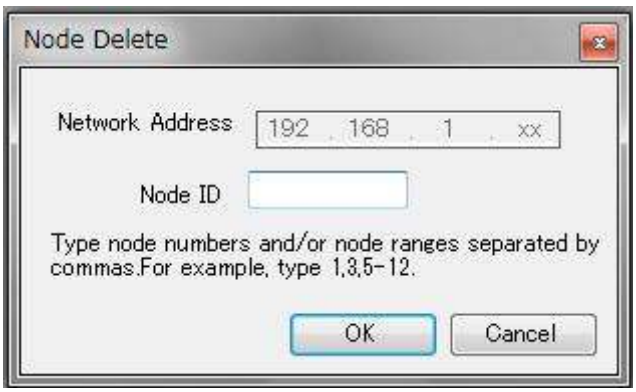


Or it is possible to delete more than one node in node ID field.

Right click on “IP address” of project tree and click “Delete (Range)”.

Input several node in Node ID (IP address ID), then select “OK”,
it is possible to delete more than one node.

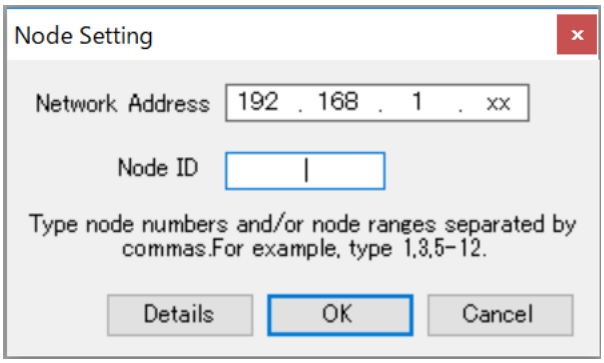
Example When Node ID deleted is Node (IP address) 1 to 3, input node [1 to 3] or [1,2,3,].
Example When Node ID deleted is Node 1 and 3, input [1,3].



3.1 Register Duplicate IB Controller

It is possible to duplicate and register the IP address resistered in project tree.
Right click IB IP address of original, and “Duplicate” is displayed.

Duplicate is available to set network address to create and click “OK”.



3.2 Node Comment Functions

Comment input is available for each IP address registering in project tree.

Right click IP address to input comment, and click “Comment”, then screen appears.

Enter comments, and click “OK”, then comment is displayed for selected IP address.

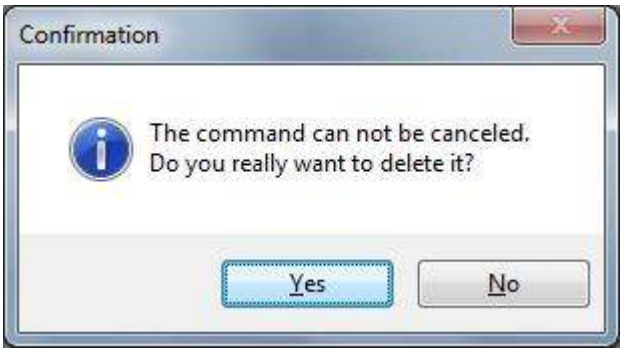
・Maximum number of letters for comment is 50.

3.3 Delete Network

Delete network that register in project tree is available.

Right click network to delete, and confirmation is displayed.

By clicking “Yes”, selected network is deleted.

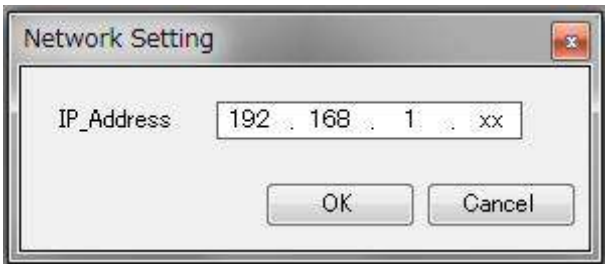


3.4 Change Network Address

Changing network address registered in project tree is available.

Right click network to change and selecting network, the change screen is displayed.

Setting network address and click “OK” to complete the change.



・Network address of IB controller is not changed by this operation.

4 Register / Delete Logic

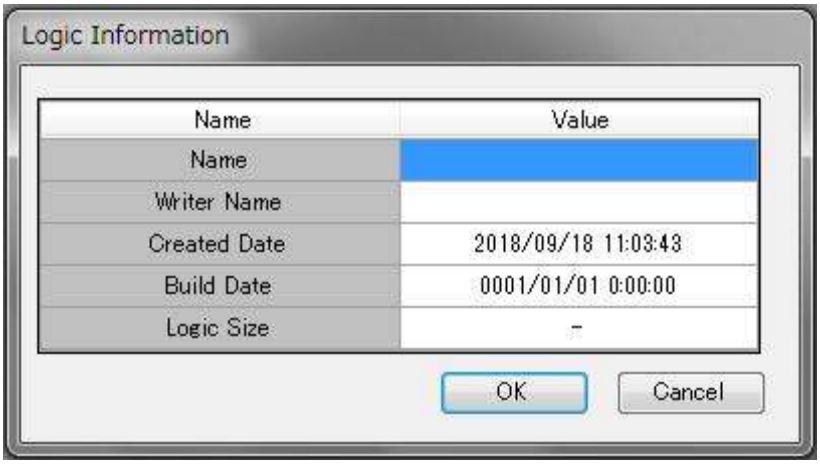
Register logic

Logic can be resistered with name for each logic.

Select “Add” by right click on “Logic” in project tree, the figure below is displayed.

Fill necessary information (Name and Writer Name) and click “OK”.

It is possible to open the creating logic window after logic registration.



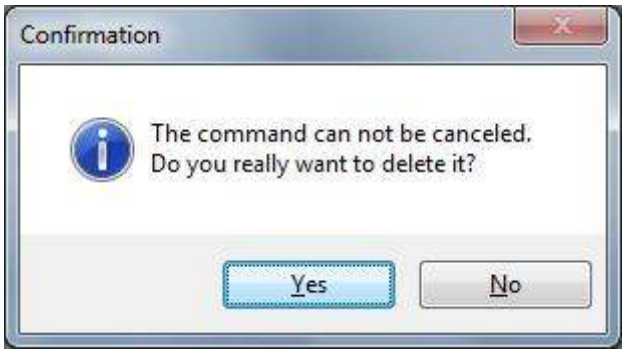
- Signs (¥ / : * ? “ < > |) cannot be used in name.
- “NA” can not be used for name.
- The maximum number of letters for input name is 24.
- The creator name setting is optional.

Delete Logic

Logic that is registered in project tree can be deleted.

Right click logic registered in project tree, and confirmation is displayed to select “Delete”.

Select “Yes” to delete selected network.



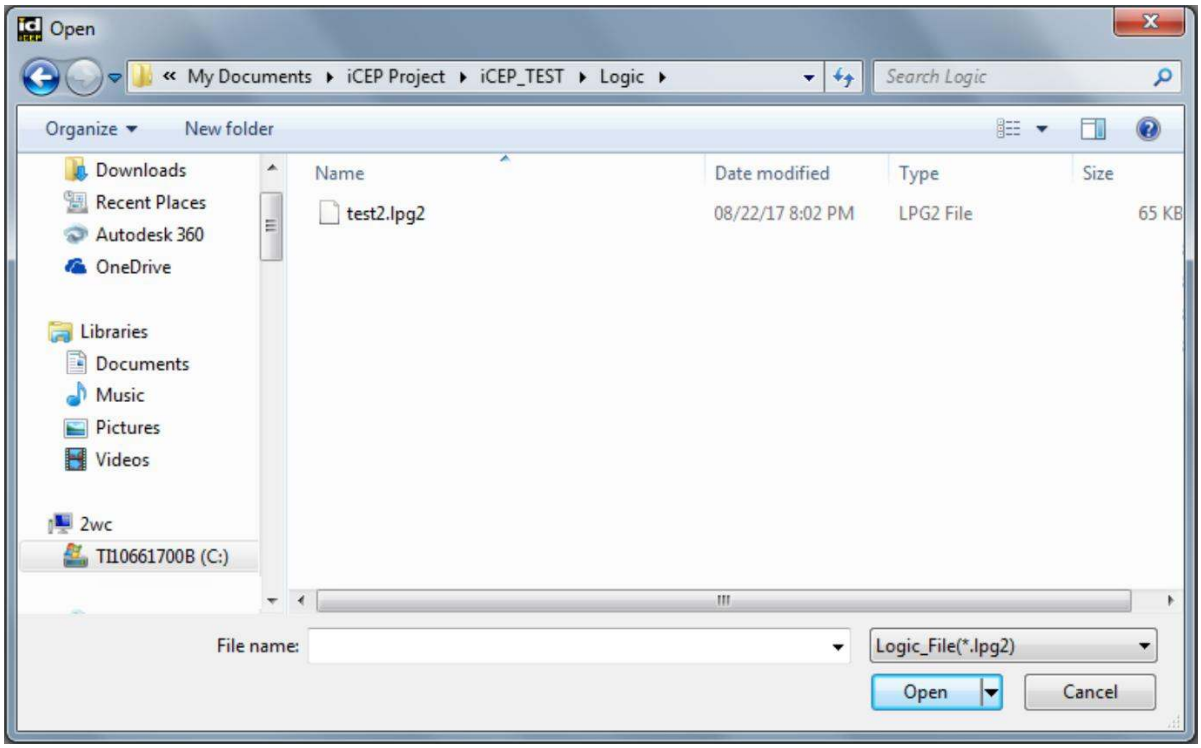
・Logic that is selected as writing logic cannot be deleted.

4.1 Import Logic

Registering and uploading an existing logic file is availavle.

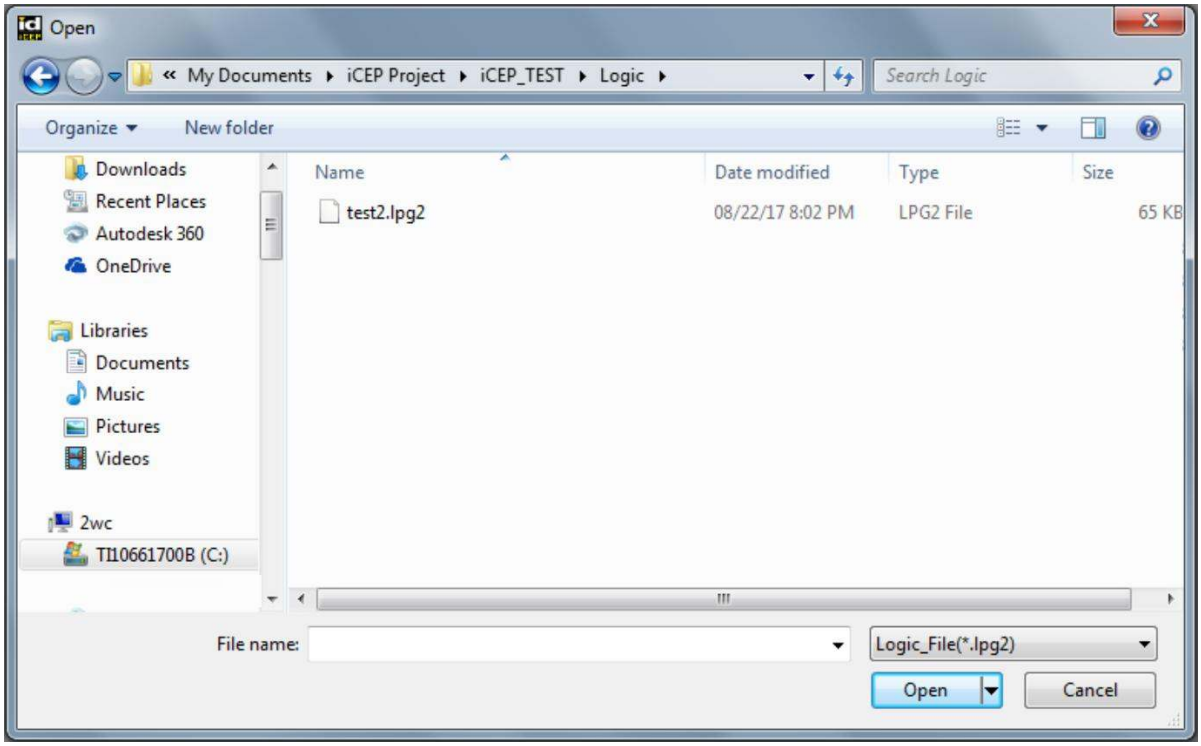
Right click “Logic” of project tree, and selected file is dispayed to select “Import”.

File format is as “Logic_File(*.lpg2)”.



- Logic backup is not available without “Build” when logic is imported.
  Writing logic can be done without problems.

Import Binary Logic

Binary logic can be imported.

Binary logic can be selected by selecting file format “Binary_File(*.bin)” at file selecting display.