TOSHIBA
Leading Innovation

Operating Instructions

Setting File Creation Software for North America

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1 Overview

"Setting File Creation Software for North America" creates a setting file to be used for the air-conditioning management system.
The created data file is uploaded to each system by using upload function.

⚠ CAUTION

"Setting File Creation Software for North America" and "Setting File Creation Software for North America" (UL-approved system) appeared on the screen shots in this manual are the names of a software represent the same software. However, some functions are restricted. Refer to the "Operating Instructions" for the details.

2 System requirements

The following shows the ideal system requirements for this software.

Item	Specifications
Operating System	Windows 7, Windows 8, 8.1
Office	Office 2003, Office 2007, Office 2010

The following runtime library is required:
- Microsoft® .NET Framework 2.0 SP2

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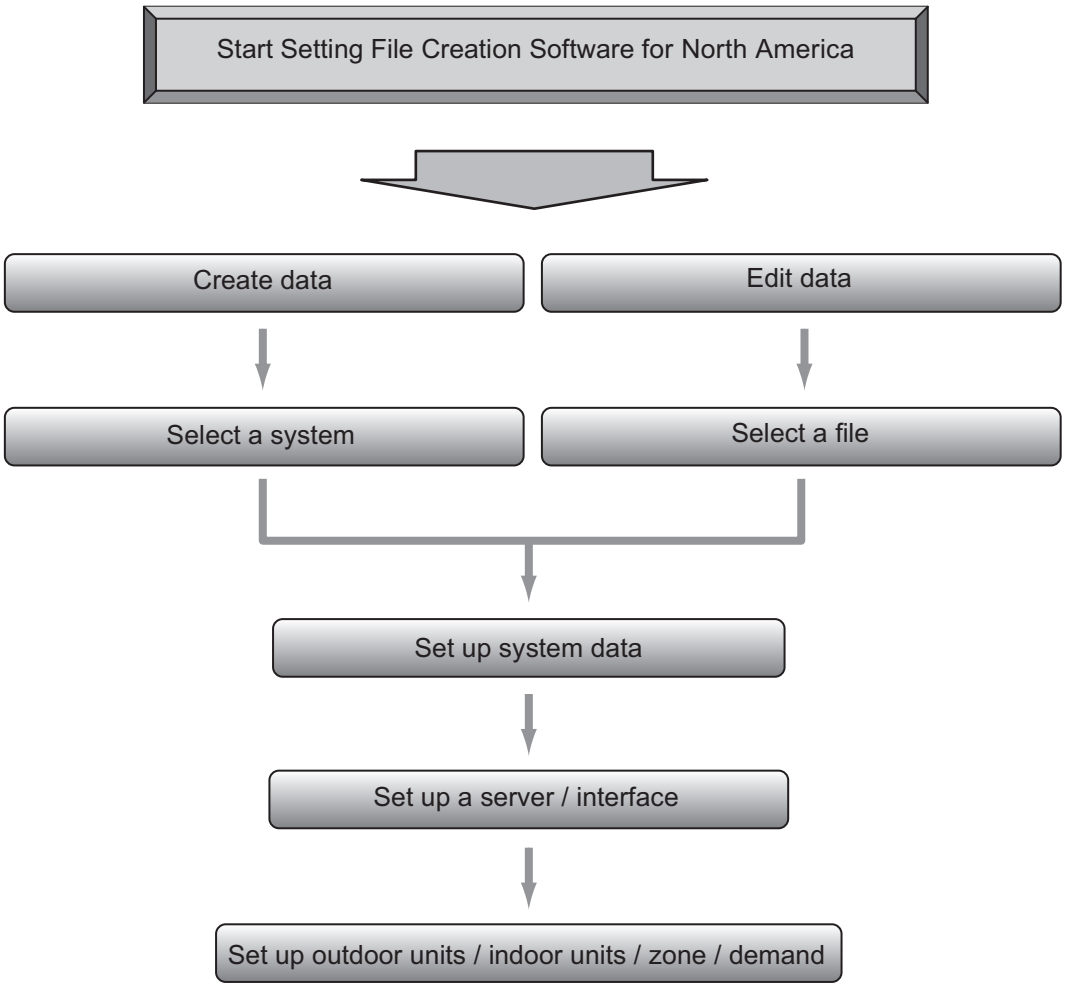
3 Creating a setting file

■ Workflow of the software

The following flowchart shows the process of creating data with Setting File Creation Software for North America:



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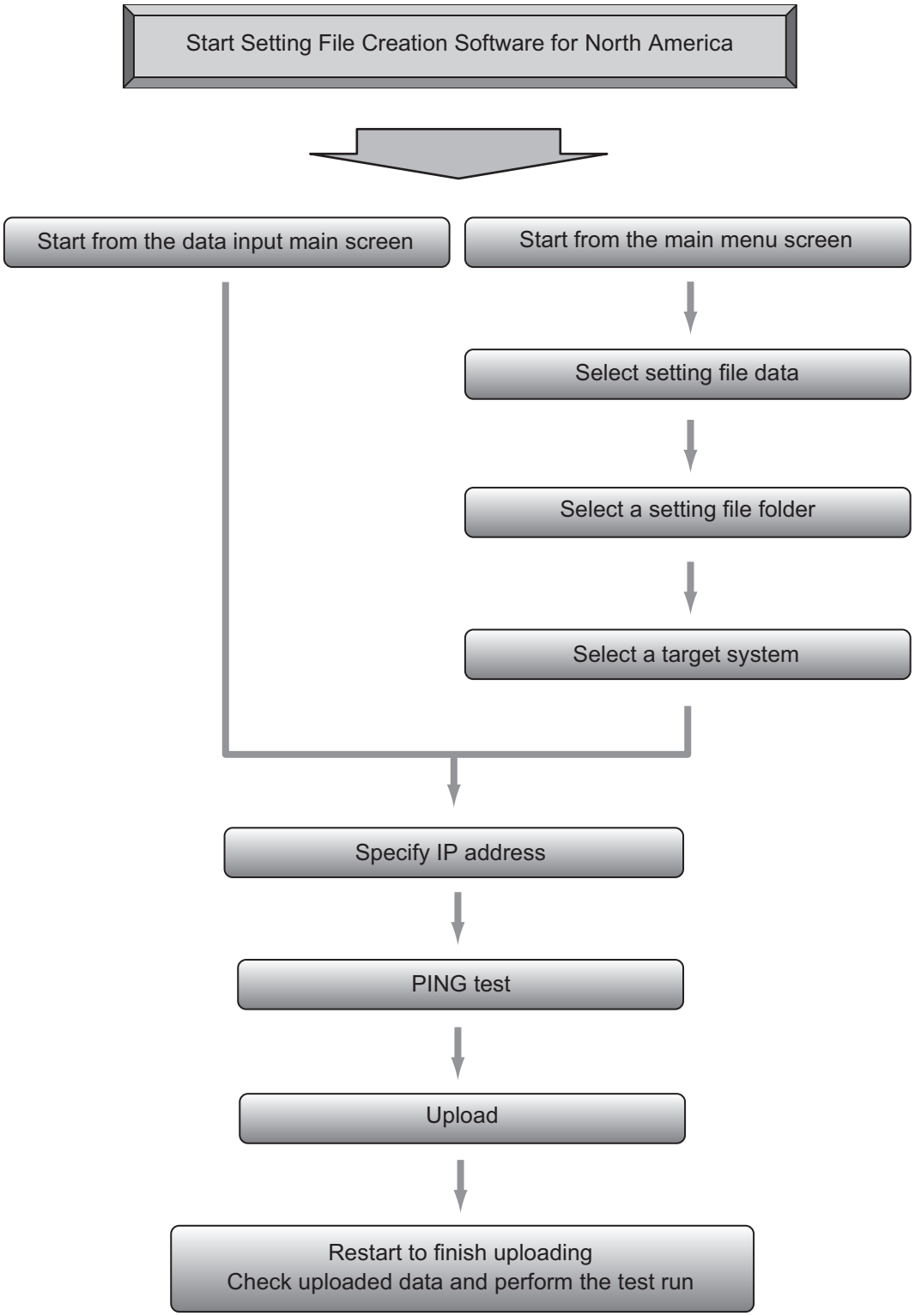
■ Data upload

The following flowchart shows the process of uploading data created with Setting File Creation Software for North America:



4 Note on using Setting File Creation Software for North America

Selectable outdoor units / indoor units differ depending on the frequency and region setting. The frequency of an already created file cannot be changed.

⚠ CAUTION

Fire alarm function that described in this manual can not be used with UL-approved system (Model: BMS-SM1281HTLUL).

5 Features of Setting File Creation Software for North America

■ Creating / editing a setting file

You can create a setting file and edit it.

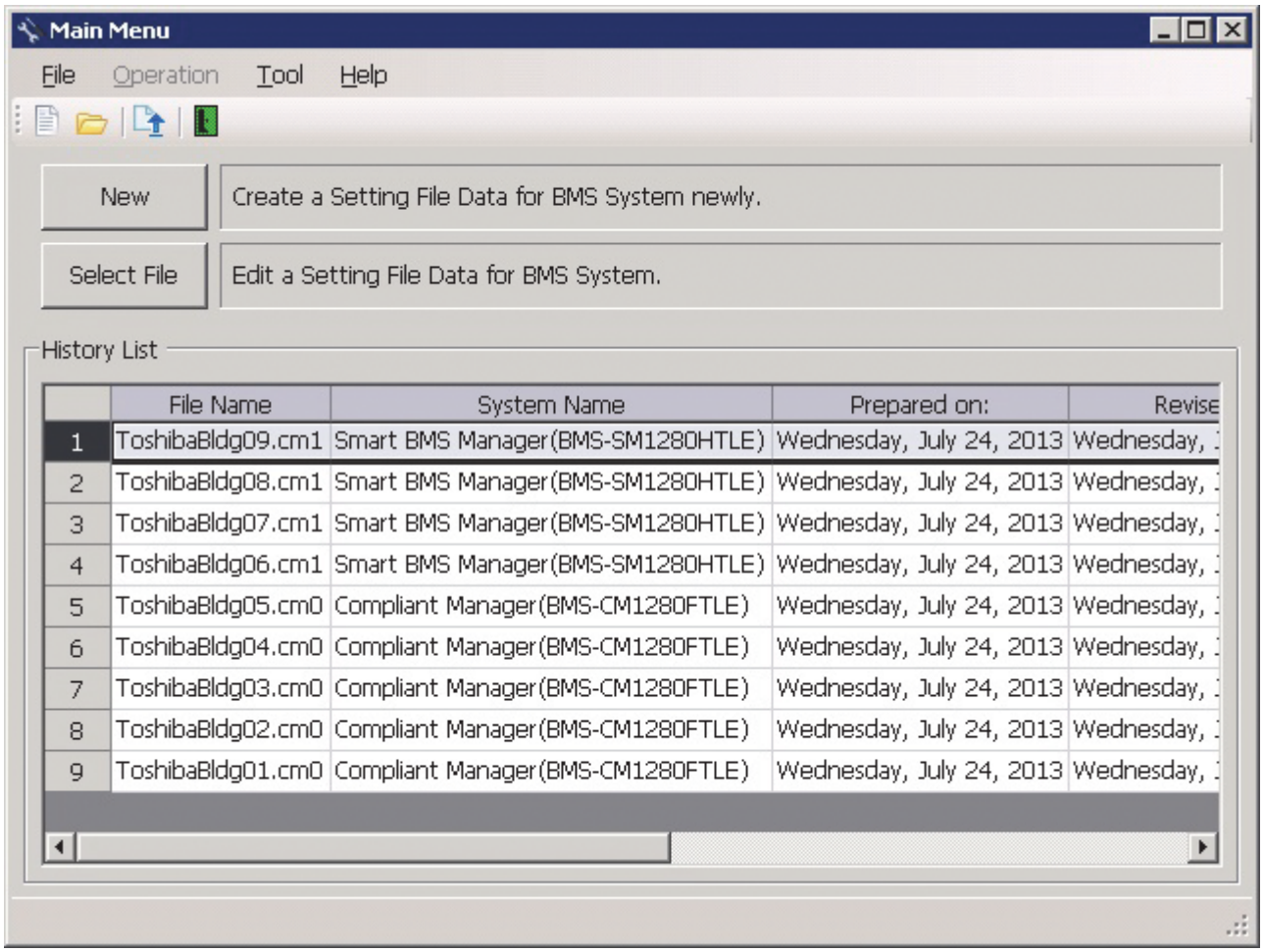


Fig.1 [Main Menu] screen

■ Selecting a North America

When creating a new setting file, select a target North America.

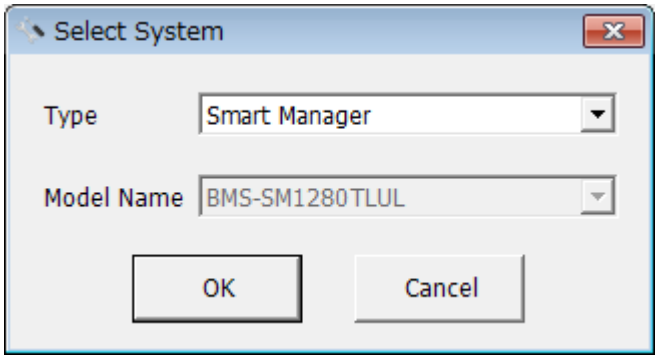


Fig.2 [Select System] screen

■ Creating / editing data of a setting file

Setting Up System Data

Set up data of the entire system selected on the Select System screen (Fig.2)

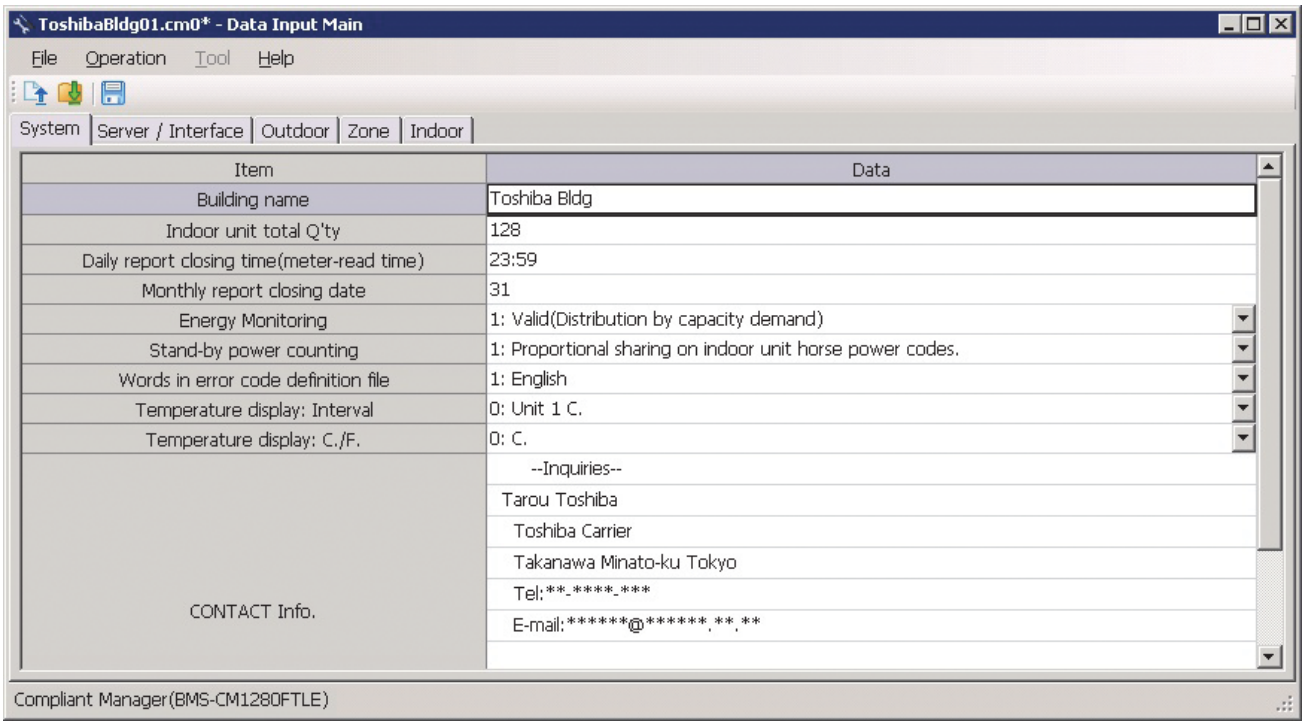


Fig.3 [System] screen

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Setting Up a Server / Interface

Set up a server / interface. The Server / Interface screen consists of the Server Setting tab, the Interface Address tab, and the Interface Setting tab.

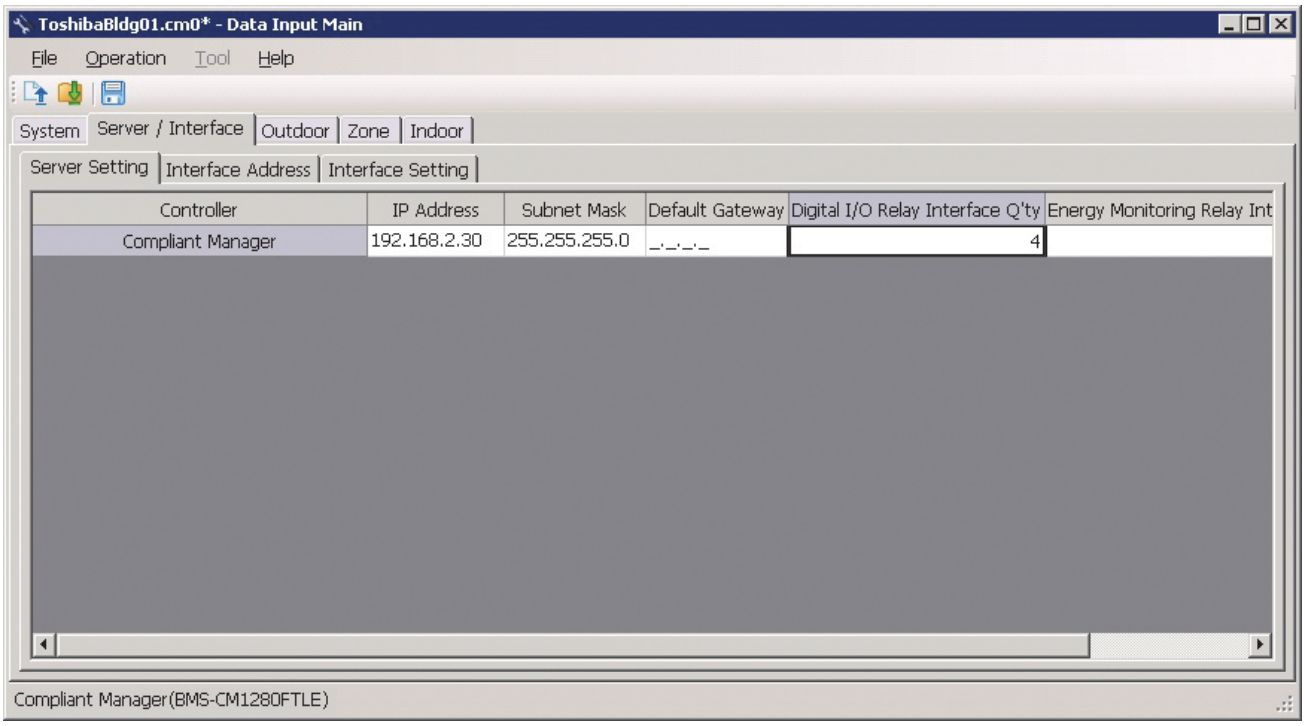

Fig.4 [Server / Interface] screen

Setting Up Outdoor Units

Set up data of outdoor units.

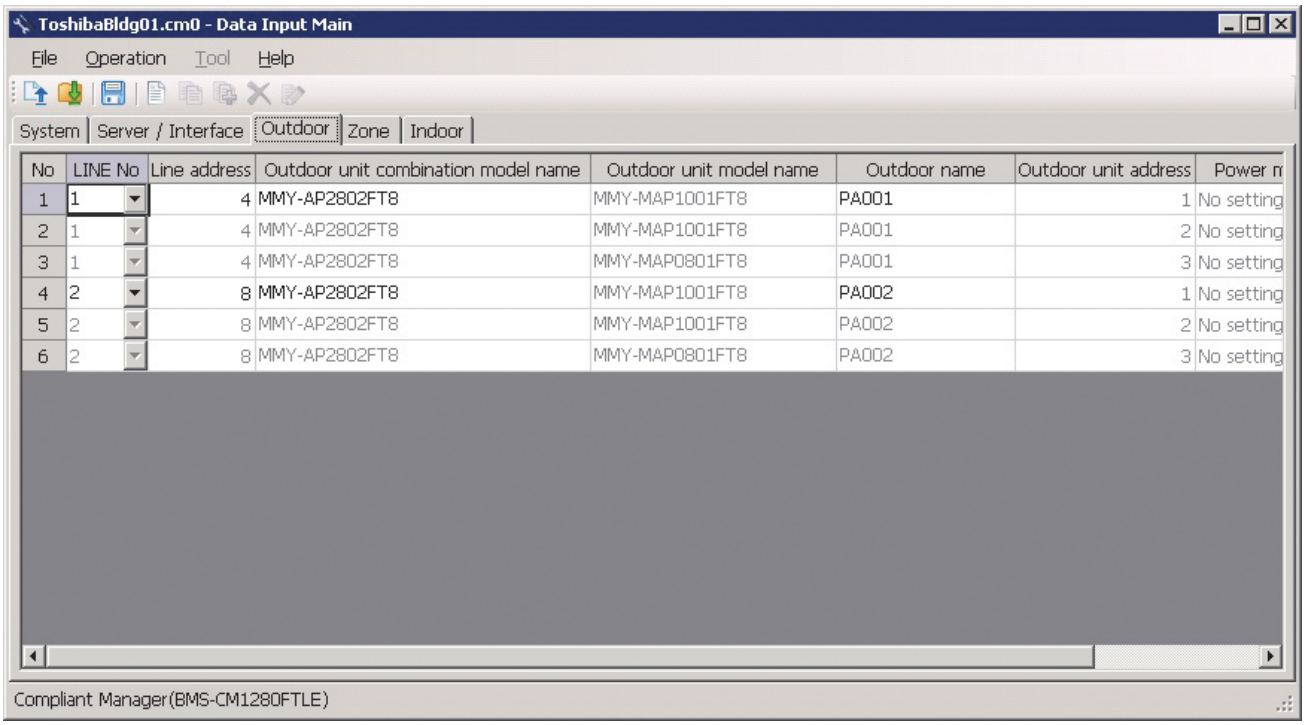

Fig.5 [Outdoor] screen

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Setting Up the Zone

Set up the zone. The Zone screen consists of the zone combo box and zone name list.

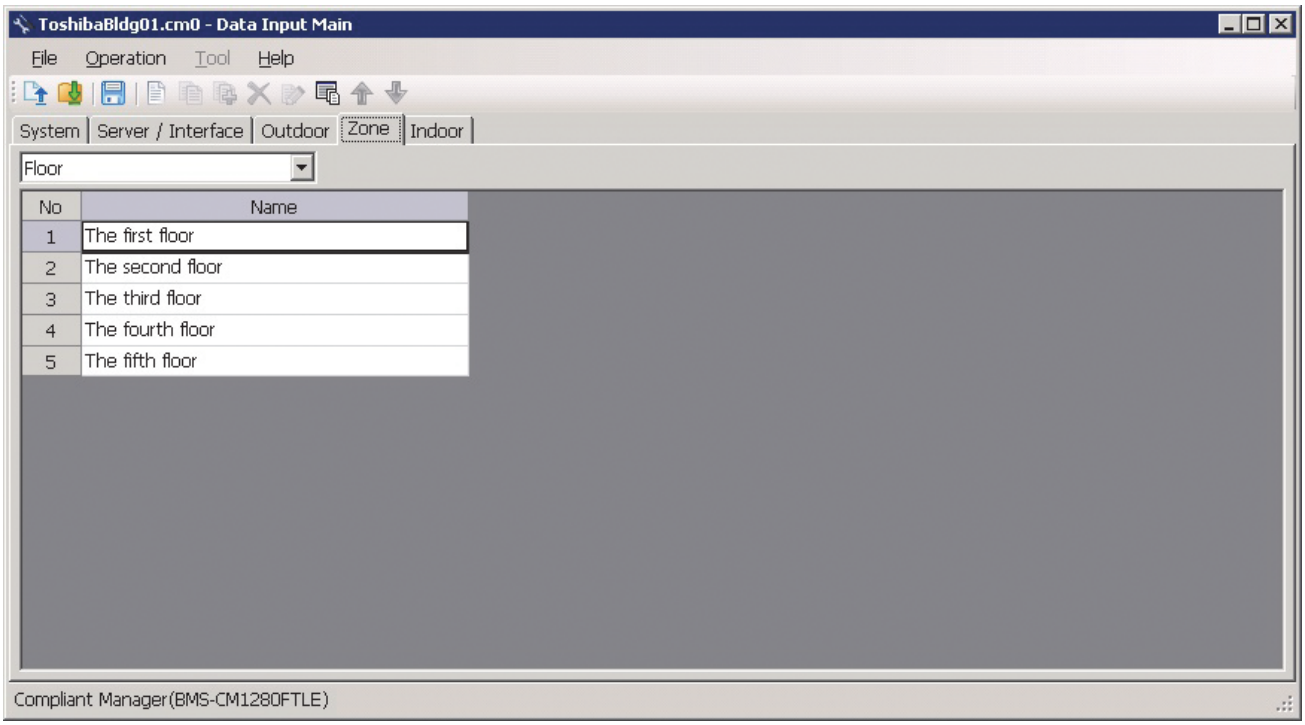
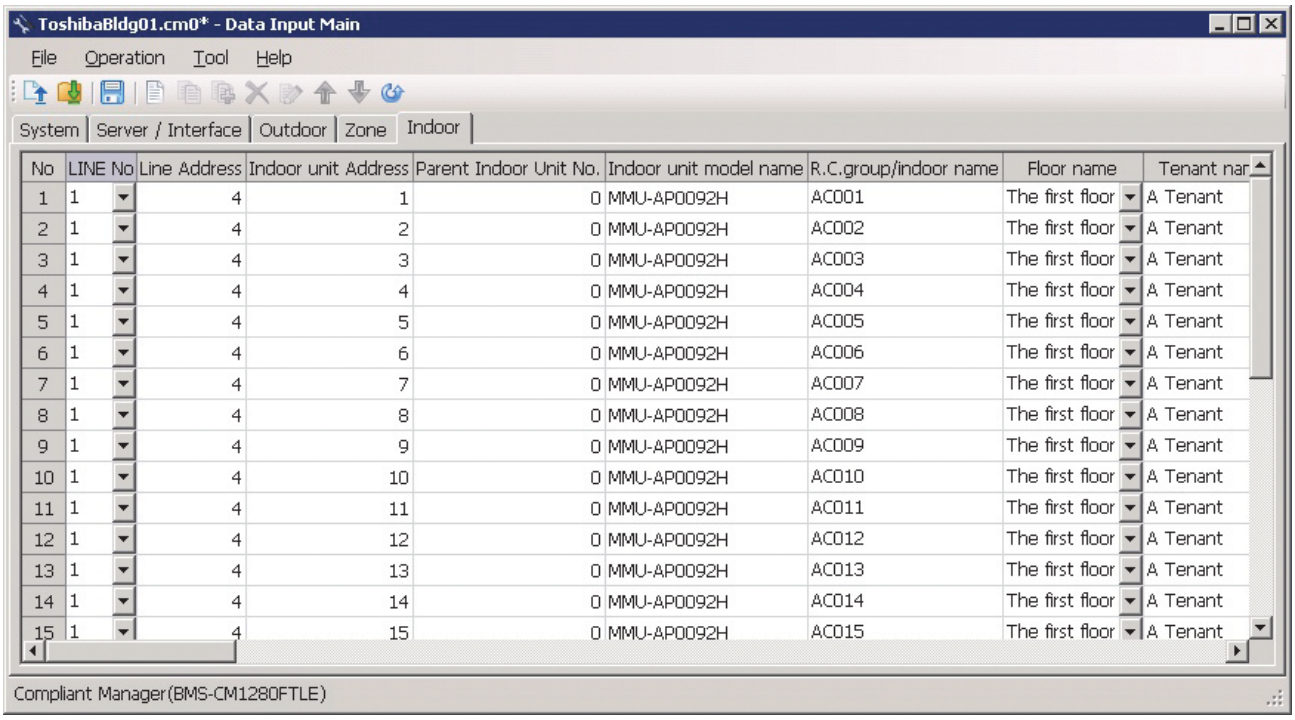


Fig.6 [Zone] screen

Setting Up Indoor Units

Set up data of indoor units.



No	LINE No	Line Address	Indoor unit Address	Parent Indoor Unit No.	Indoor unit model name	R.C.group/indoor name	Floor name	Tenant nar
1	1	4	1	0	MMU-AP0092H	AC001	The first floor	A Tenant
2	1	4	2	0	MMU-AP0092H	AC002	The first floor	A Tenant
3	1	4	3	0	MMU-AP0092H	AC003	The first floor	A Tenant
4	1	4	4	0	MMU-AP0092H	AC004	The first floor	A Tenant
5	1	4	5	0	MMU-AP0092H	AC005	The first floor	A Tenant
6	1	4	6	0	MMU-AP0092H	AC006	The first floor	A Tenant
7	1	4	7	0	MMU-AP0092H	AC007	The first floor	A Tenant
8	1	4	8	0	MMU-AP0092H	AC008	The first floor	A Tenant
9	1	4	9	0	MMU-AP0092H	AC009	The first floor	A Tenant
10	1	4	10	0	MMU-AP0092H	AC010	The first floor	A Tenant
11	1	4	11	0	MMU-AP0092H	AC011	The first floor	A Tenant
12	1	4	12	0	MMU-AP0092H	AC012	The first floor	A Tenant
13	1	4	13	0	MMU-AP0092H	AC013	The first floor	A Tenant
14	1	4	14	0	MMU-AP0092H	AC014	The first floor	A Tenant
15	1	4	15	0	MMU-AP0092H	AC015	The first floor	A Tenant

Fig.7 [Indoor] screen

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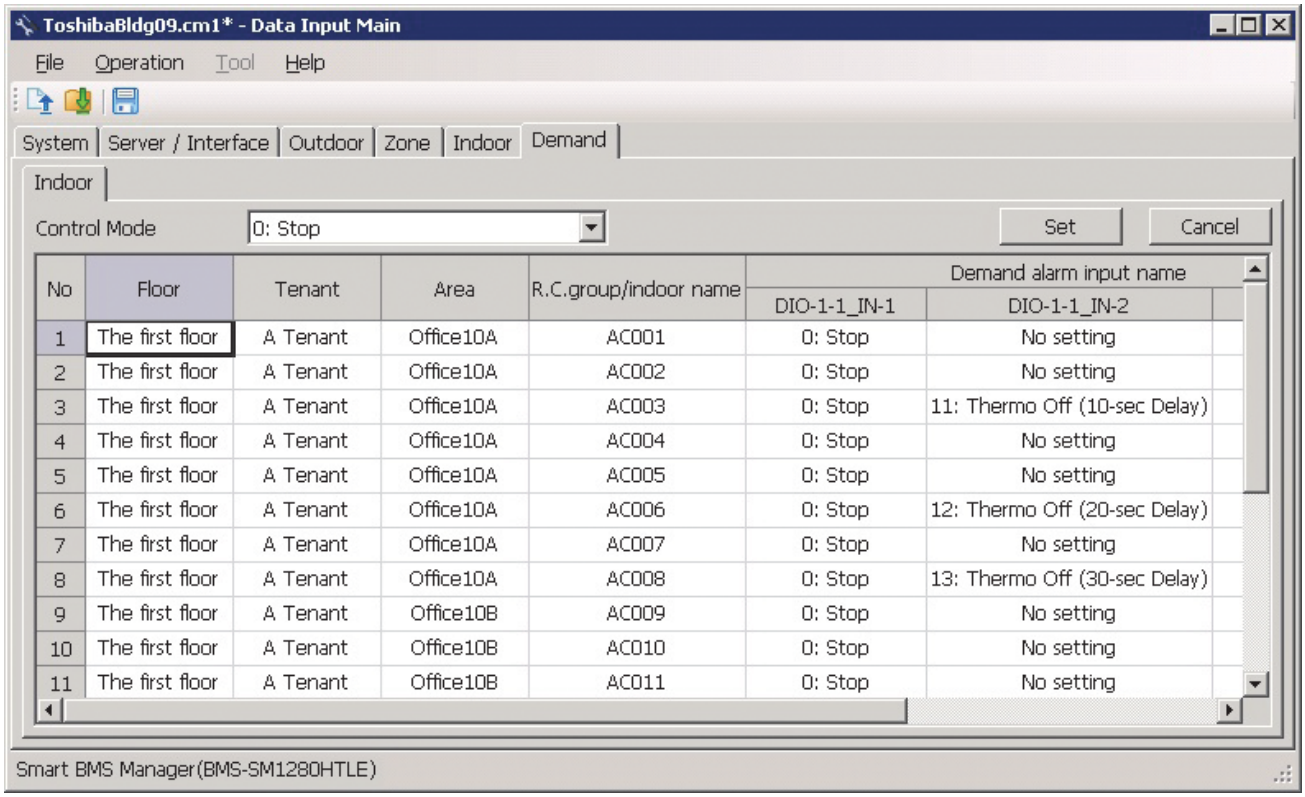
Setting Up the Demand

Set up the demand alarm input of indoor units. This setting is only available for Smart BMS Manager.



No	Floor	Tenant	Area	R.C.group/indoor name	Demand alarm input name	
					DIO-1-1_IN-1	DIO-1-1_IN-2
1	The first floor	A Tenant	Office10A	AC001	0: Stop	No setting
2	The first floor	A Tenant	Office10A	AC002	0: Stop	No setting
3	The first floor	A Tenant	Office10A	AC003	0: Stop	11: Thermo Off (10-sec Delay)
4	The first floor	A Tenant	Office10A	AC004	0: Stop	No setting
5	The first floor	A Tenant	Office10A	AC005	0: Stop	No setting
6	The first floor	A Tenant	Office10A	AC006	0: Stop	12: Thermo Off (20-sec Delay)
7	The first floor	A Tenant	Office10A	AC007	0: Stop	No setting
8	The first floor	A Tenant	Office10A	AC008	0: Stop	13: Thermo Off (30-sec Delay)
9	The first floor	A Tenant	Office10B	AC009	0: Stop	No setting
10	The first floor	A Tenant	Office10B	AC010	0: Stop	No setting
11	The first floor	A Tenant	Office10B	AC011	0: Stop	No setting

Fig.8 [Demand] screen

Setting Up the Zone Names

Set up the zone names. This setting is only available for Smart BMS Manager.

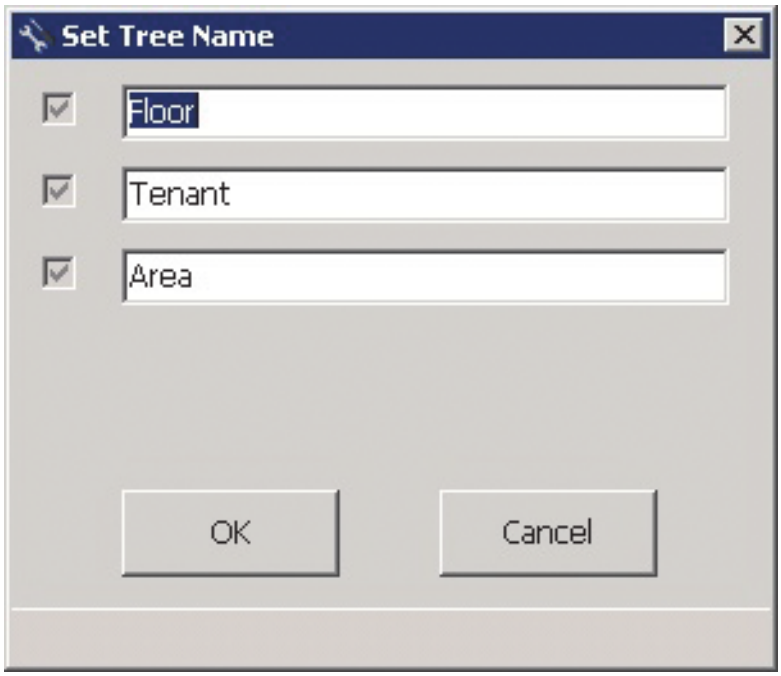


Fig.9 [Set Tree Name] screen

Checking the Version Information

Select the [Help] menu then [About] to display the version information.

Fig.10 [Help] menu (About)

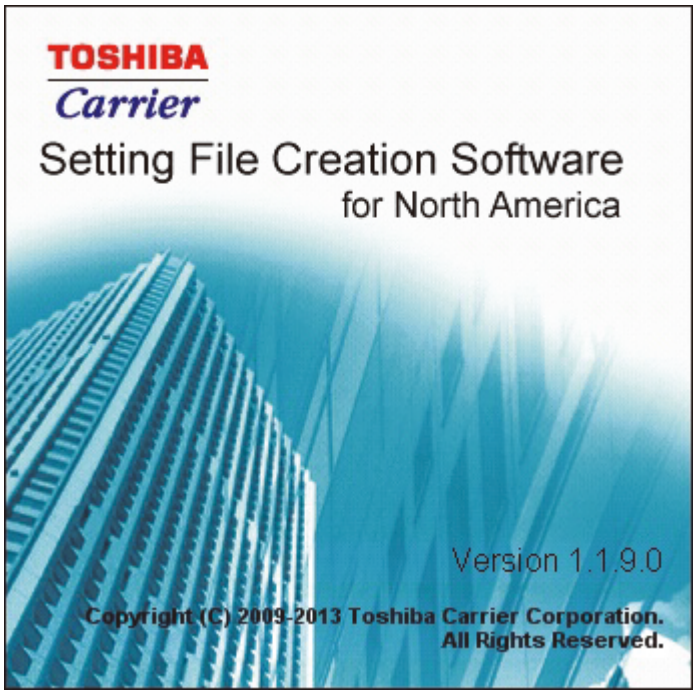


Fig.11 [About] screen

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■ Uploading a setting file to the server

Specify a setting file data, its folder, the target system and IP address, then upload the file.

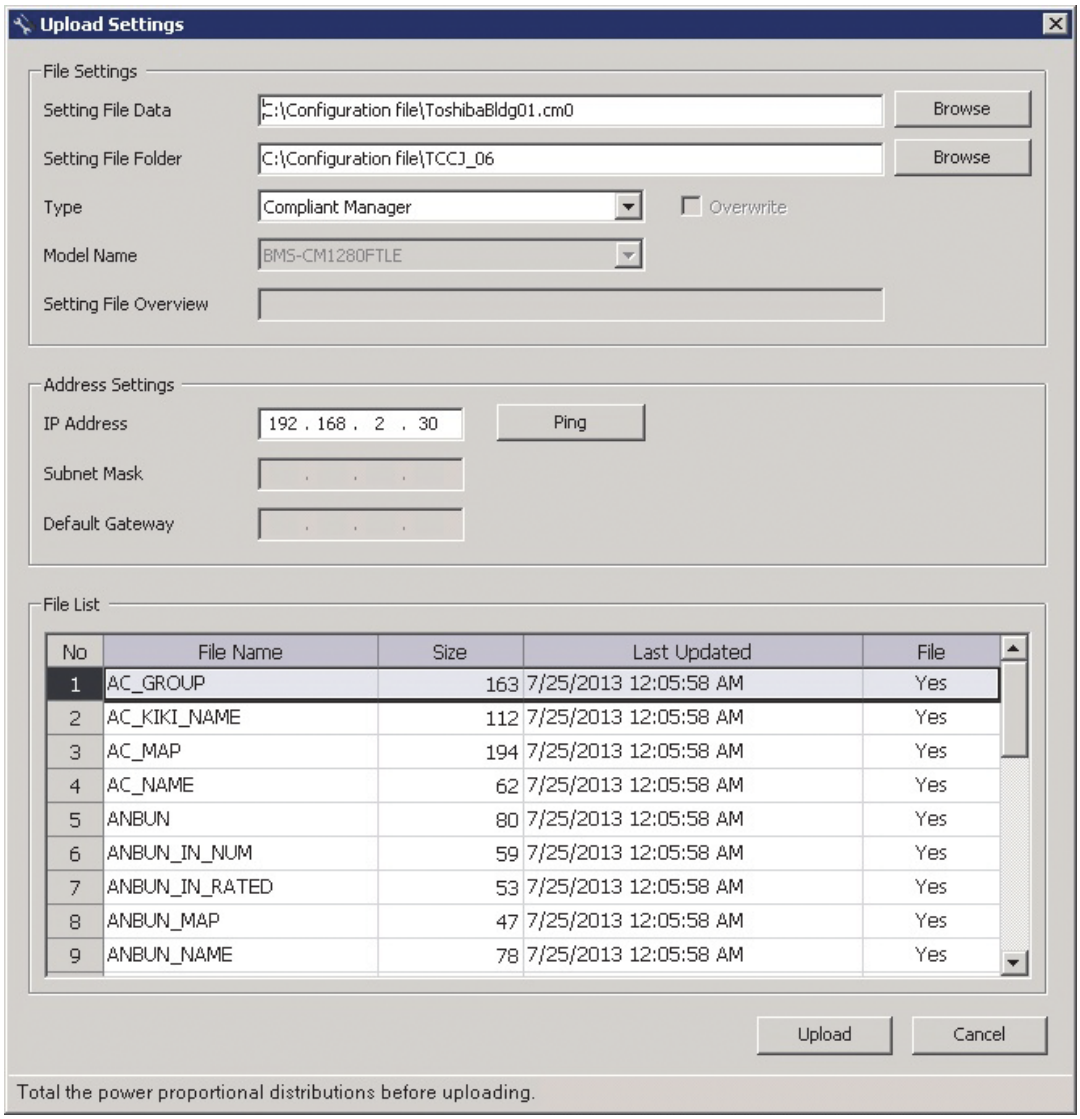

Fig.12 [Upload Settings] screen

The following screen is displayed during upload to show the upload progress screen.

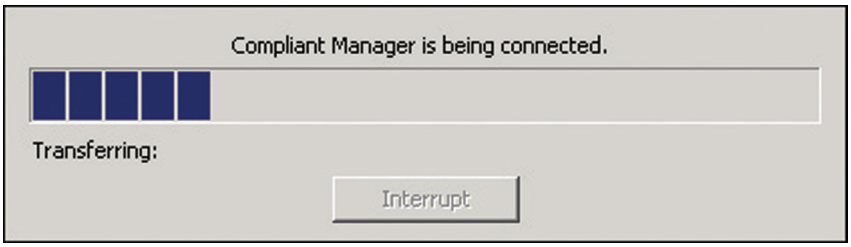

Fig.13 [Upload Progress] screen

6 Using the Setting File Creation Software for North America

■ Starting / exiting the Setting File Creation Software for North America

Starting the Setting File Creation Software for North America

Use the desktop icon or Windows menu to start the Setting File Creation Software for North America.

1. Start the Setting File Creation Software for North America.

- Desktop icon
  Double-click the desktop icon.

Fig.14 Setting File Creation Software for North America desktop icon

- Windows menu
  Select [Start] > [All Programs] > [Toshiba] > [Setting File Creation Software for North America].

2. The startup screen appears.
The startup screen appears.

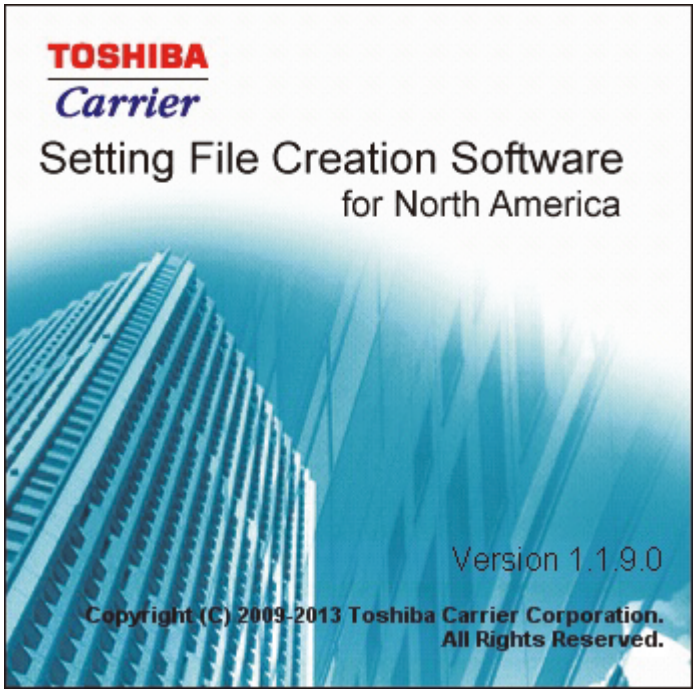

Fig.15 Startup screen

3. Setting File Creation Software for North America Startup Complete
The startup screen (Fig.15) disappears, and the Main Menu screen (Fig.1) appears. The Setting File Creation Software for North America startup is now complete, and the software can be operated.

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Exiting the Setting File Creation Software for North America

Click the [Close] button, the Exit button, or select the [File] menu then [Exit].

Fig.16 [Main Menu] screen (Close button)

Fig.17 [Main Menu] screen (Exit button)

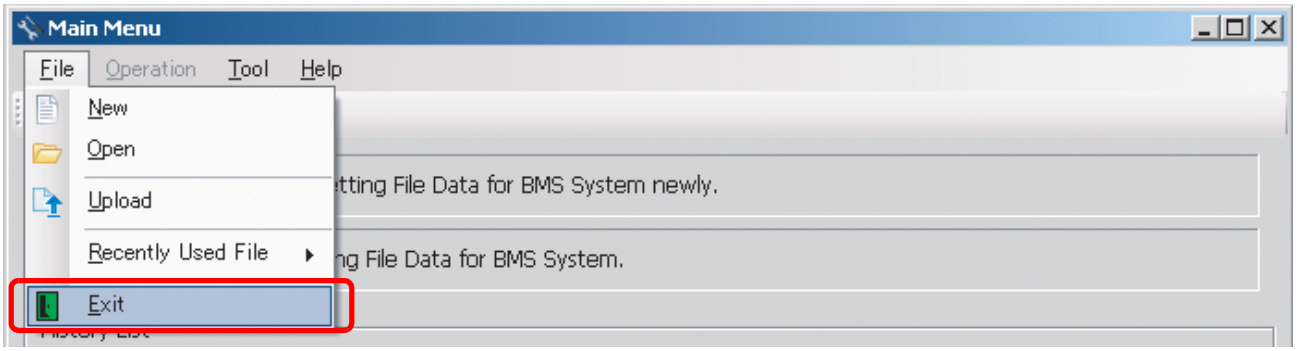

Fig.18 [Main Menu] screen (Exit menu)

The exit confirmation dialog box appears.
Click [Yes] to exit, or [No] to cancel exiting.

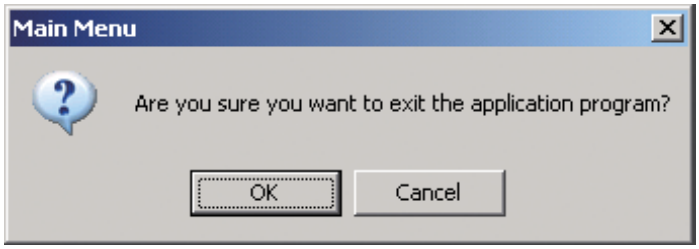

Fig.19 Exit confirmation dialog box

■ Creating new data

Click the [New] button, or select the [File] menu then [New]. The Select System screen (Fig.2) appears.

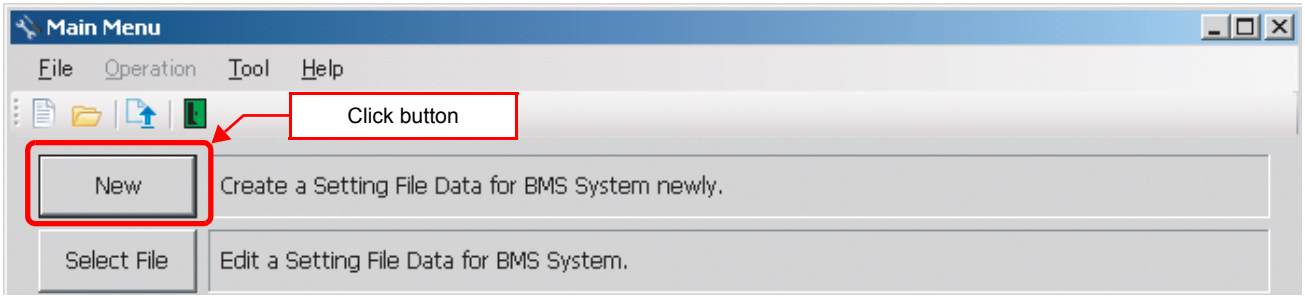

Fig.20 [Main Menu] screen (New button 1)

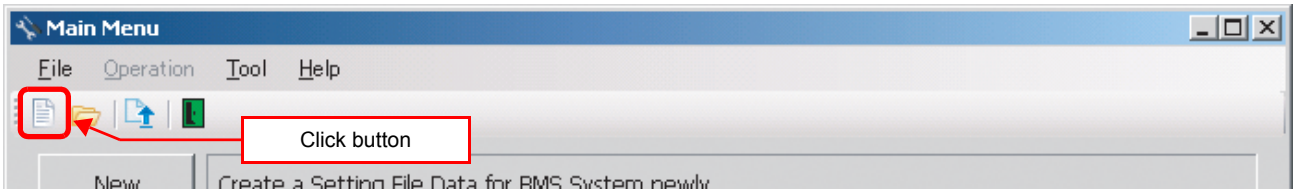

Fig.21 [Main Menu] screen (New button 2)

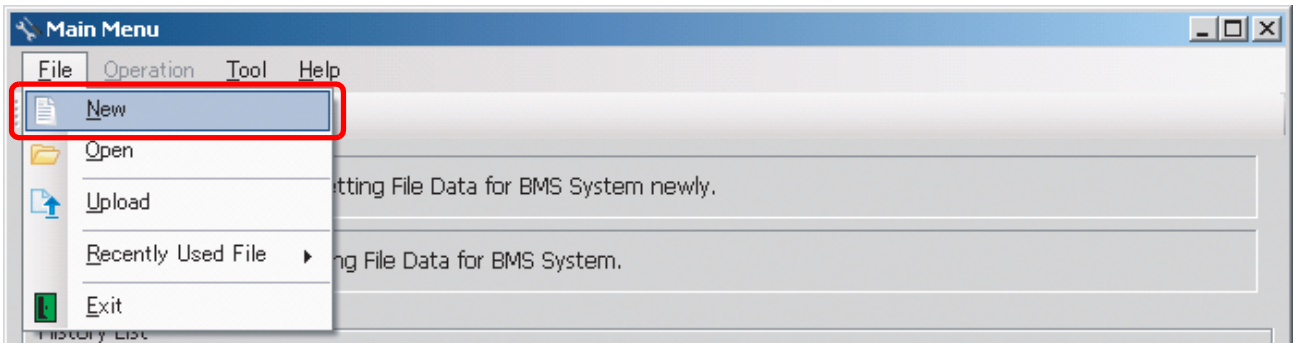

Fig.22 [Main Menu] screen (New menu)

■ Selecting a file to edit data

Click the [Select File] button, or select the [File] menu then [Open]. The Open screen appears.

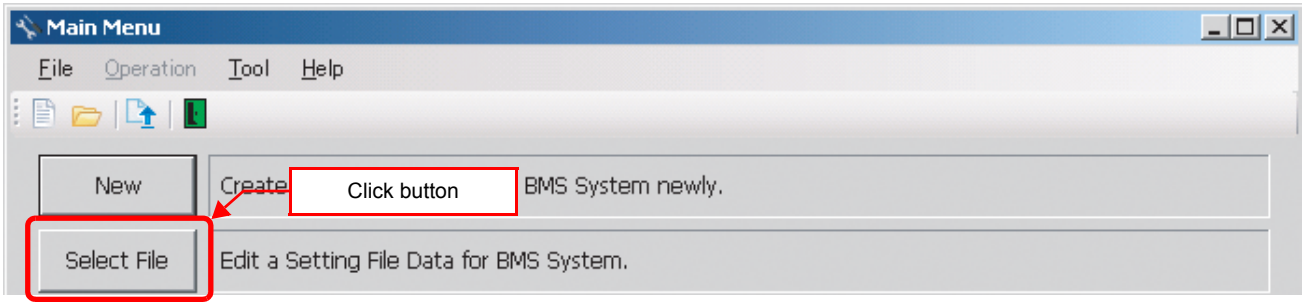

Fig.23 [Main Menu] screen (Select File button)

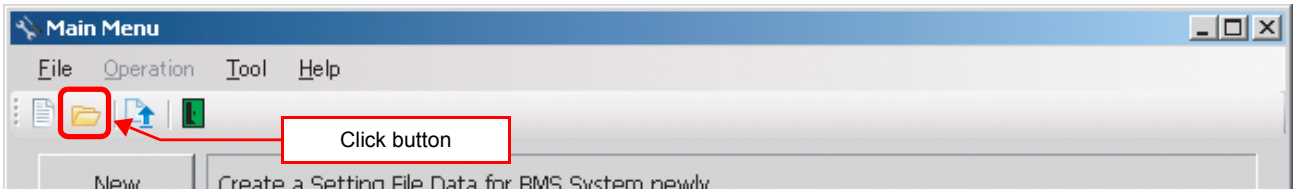

Fig.24 [Main Menu] screen (Open button)

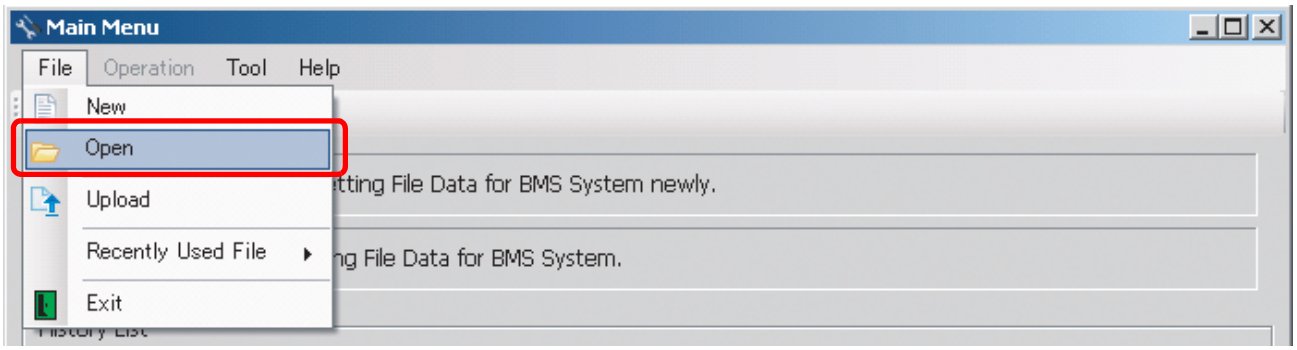

Fig.25 [Main Menu] screen (Open menu)

When the Open screen has opened, select a file to edit. The System screen (Fig.3) appears.

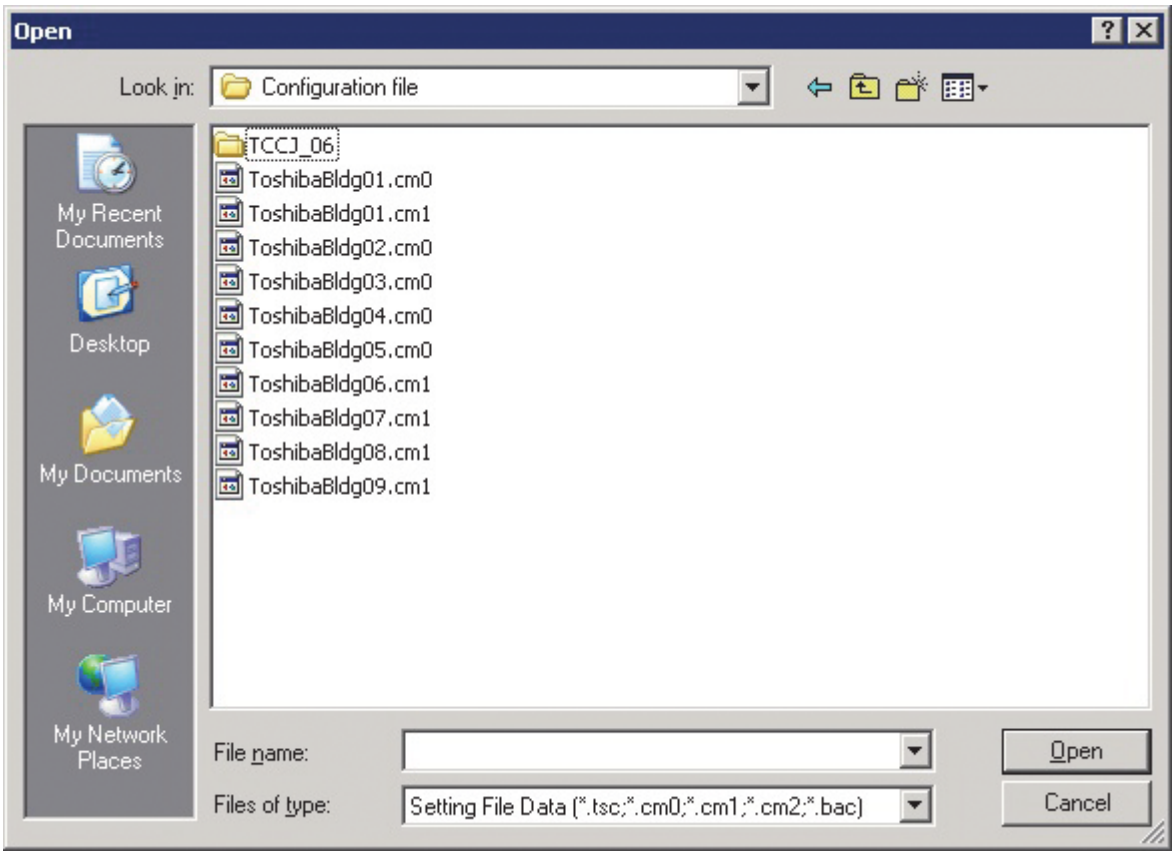

Fig.26 [Open] screen

■ Using a history file to edit data

Double-click a line in the History List, or select a file from Recently Used File. The System screen (Fig.3) appears.

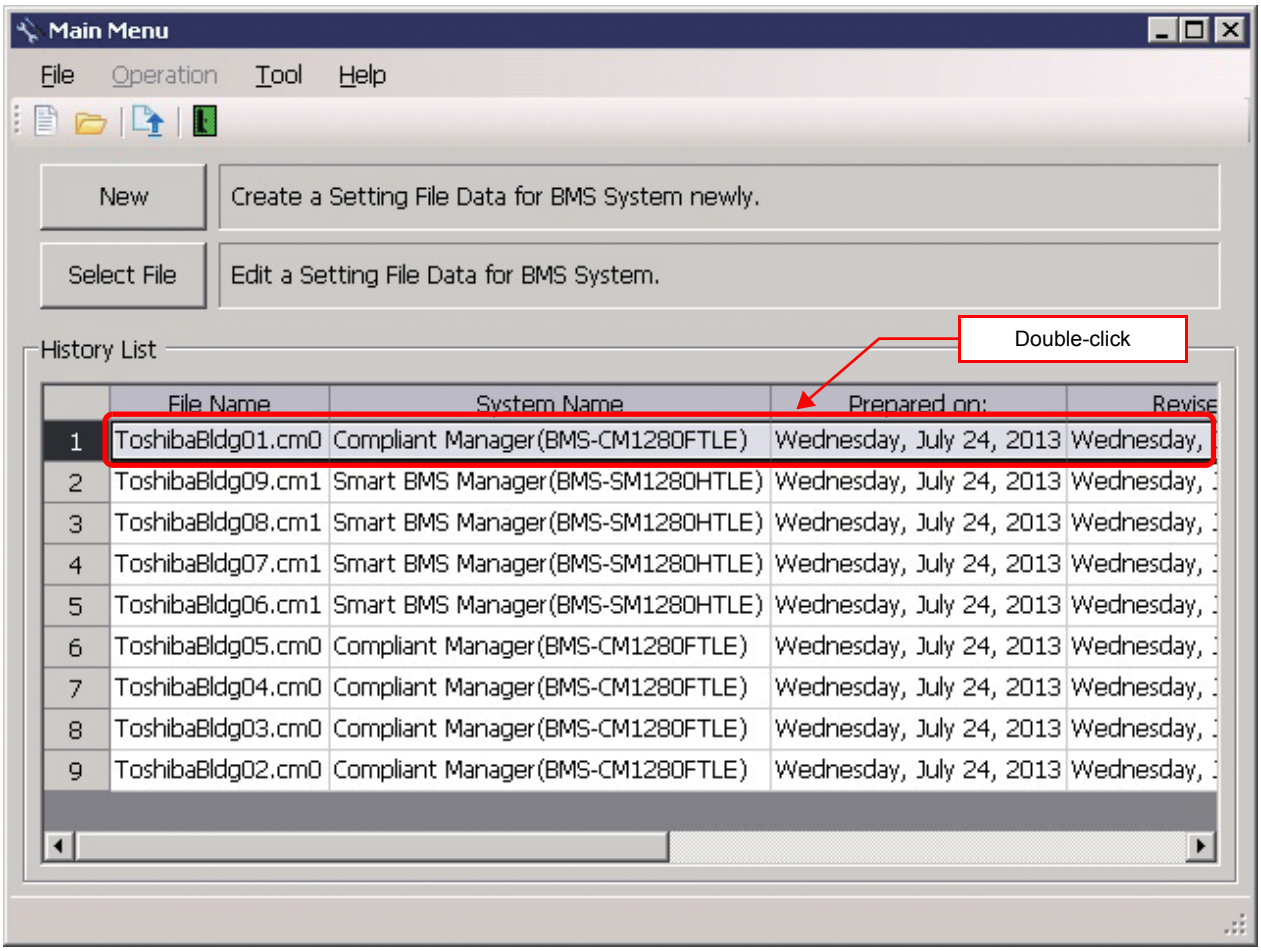

Fig.27 [Main Menu] screen (History List)

Up to 9 files are stored in Recently Used File.

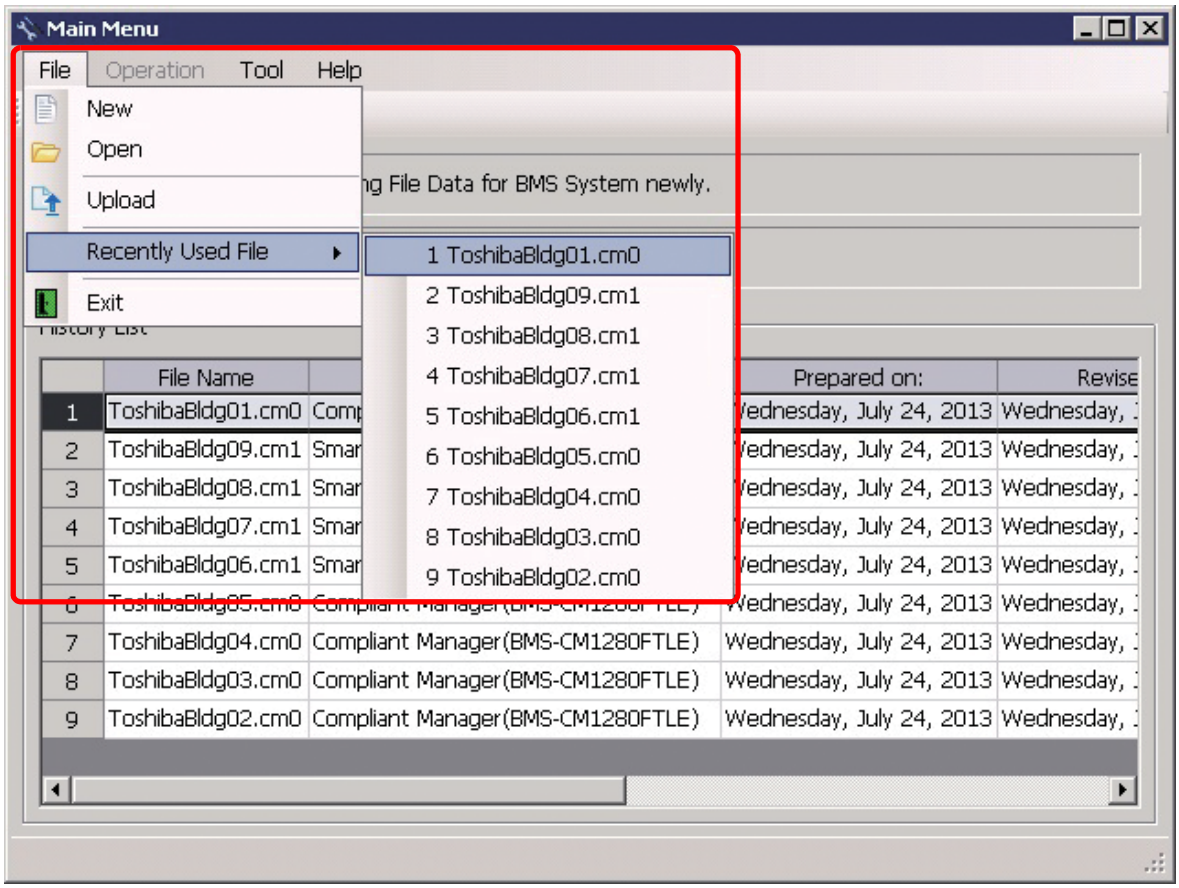

Fig.28 [Main Menu] screen (Recently Used File)

If the selected file does not exist, a warning appears.

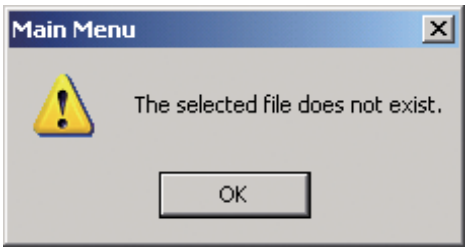

Fig.29 Warning message box

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■ Setting up the system

Select the [System] tab and configure the settings.

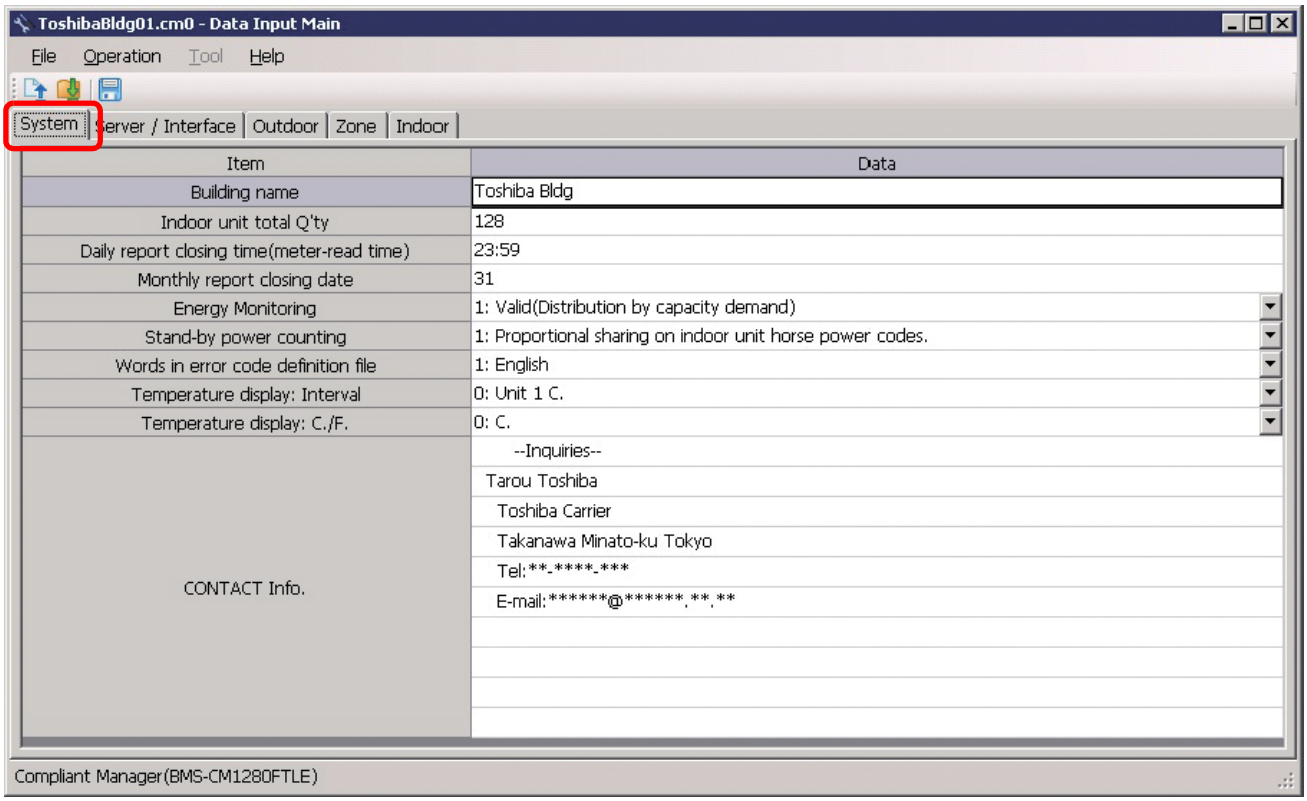


Fig.30 [System] tab

The following table shows how to enter / select data:
Smart BMS Manager

Item	Data type	Selection	Note
Building name	Entered by user	–	
Indoor unit total Q'ty	Entered by user	Numeric value only	
Daily report closing time	Entered by user	Time only	
Monthly report closing date	Entered by user	Numeric value only	
Lock Linkage Mode	Selected by user	Select from list	Smart BMS Manager only
Date display format	Selected by user	Select from list	Smart BMS Manager only
Starting day of the week	Selected by user	Select from list	Smart BMS Manager only
Energy Monitoring	Selected by user	Select from list	
Stand-by power counting	Selected by user	Select from list	
Words in error code definition file and zone name tags	Selected by user	Select from list	Smart BMS Manager only
Temperature display: Interval	Selected by user	Select from list	
Temperature display: C./F.	Selected by user	Select from list	
CONTACT Info.	Entered by user	–	

Table.1 How to enter / select data

■ Setting up the server

Select the [Server Setting] tab under the [Server / Interface] tab, and configure the settings.

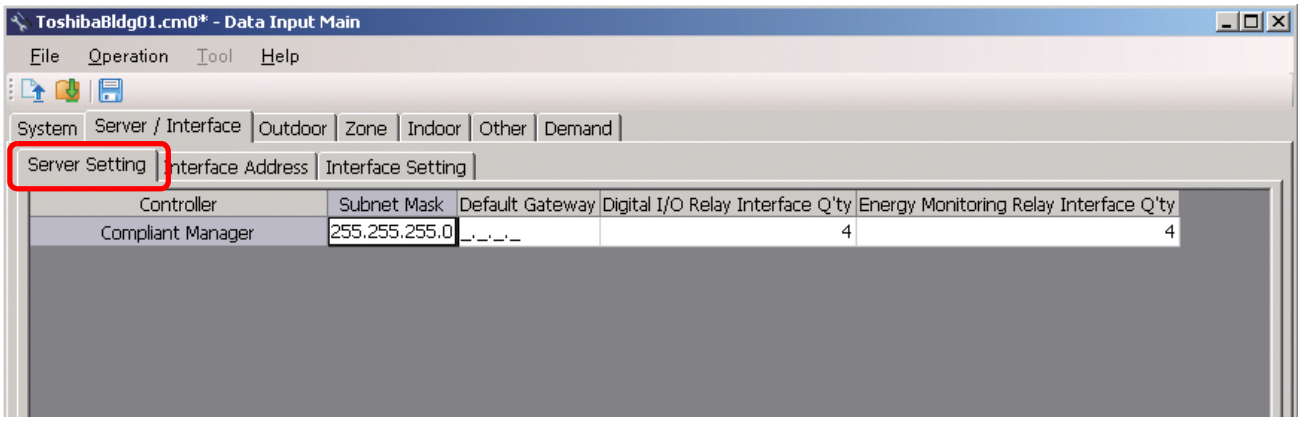


Fig.31 [Server Setting] tab

The following table shows how to enter / select data:
Smart BMS Manager

Item	Data type	Selection	Note
IP Address	Entered by user	Numeric value only	
Subnet Mask	Entered by user	Numeric value only	
Default Gateway	Entered by user	Numeric value only	
Digital I/O Relay Interface Q'ty	Entered by user	Numeric value only	0 - 4
Energy Monitoring Relay Interface Q'ty	Entered by user	Numeric value only	0 - 4

Table.2 How to enter / select data

⚠ CAUTION

Fire alarm function that described in this manual can not be used with UL-approved system (Model: BMS-SM1281HTLUL).

EN

■ Setting up the interface address

Select the [Interface Address] tab under the [Server / Interface] tab, and configure the settings.

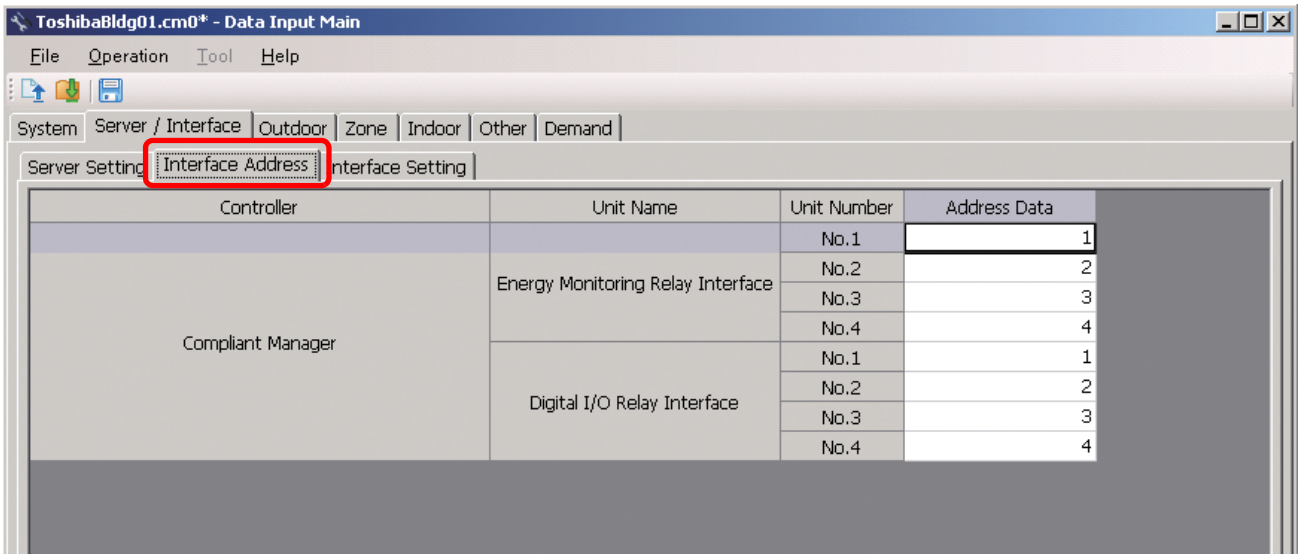


Fig.32 [Interface Address] tab

The following table shows how to enter / select data:
Smart BMS Manager

Item	Data type	Selection	Note
Energy Monitoring Relay Interface Address Data	Entered by user	Numeric value only	
Digital I/O Relay Interface Address Data	Entered by user	Numeric value only	

Table.3 How to enter / select data

■ Setting up the interface function

Select the [Interface Setting] tab under the [Server / Interface] tab, and configure the settings.

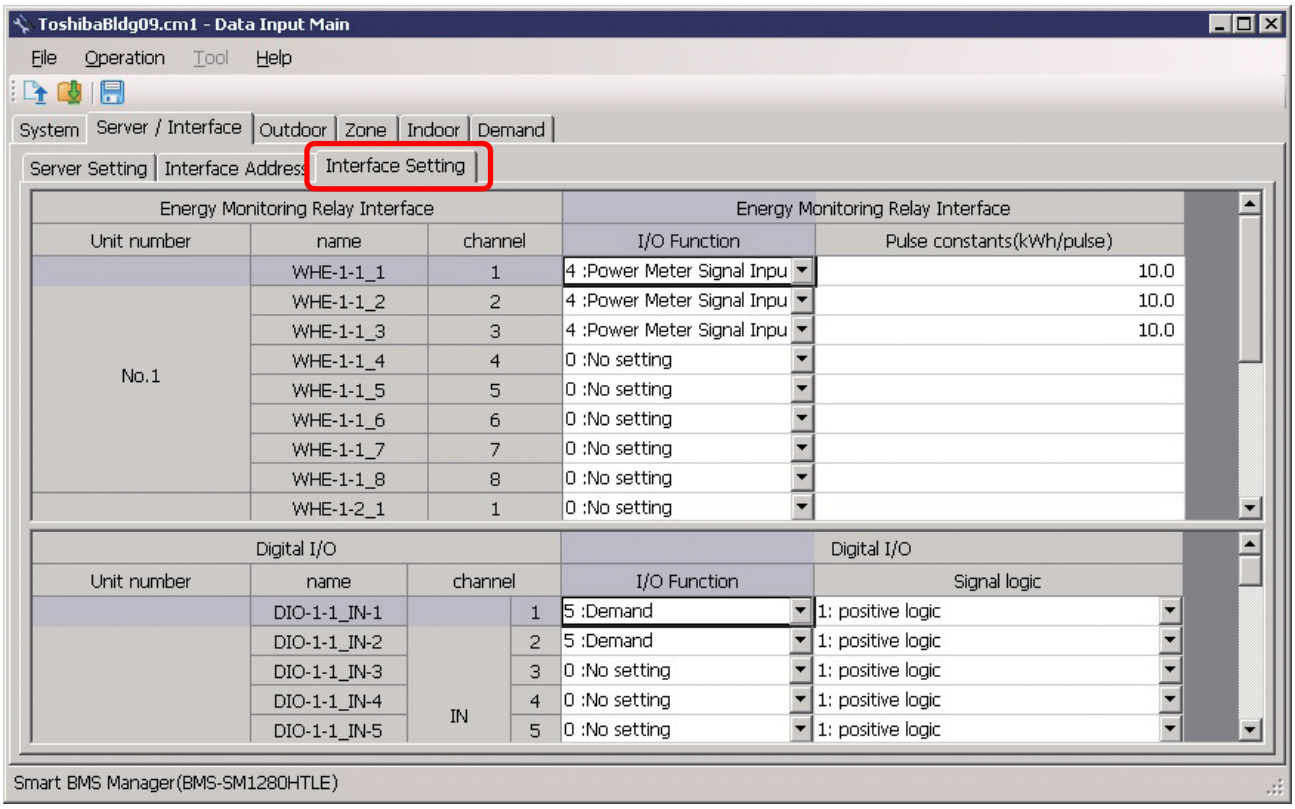


Fig.33 [Interface Setting] tab

The following table shows how to enter / select data:
Smart BMS Manager

Item	Data type	Selection	Note
I/O Function	Selected by user	Select from list	
Signal logic	Selected by user	Select from list	Digital I/O Interface Only
Pulse constants	Entered by user	Numeric value only	0.1 – 99.9, Energy Monitoring Relay Interface Only

Table.4 How to enter / select data

EN

■ Adding an outdoor unit

Click the [New] button, or select the [Operation] menu > [Outdoor Unit] > [New]. A line will be added to the outdoor unit list.

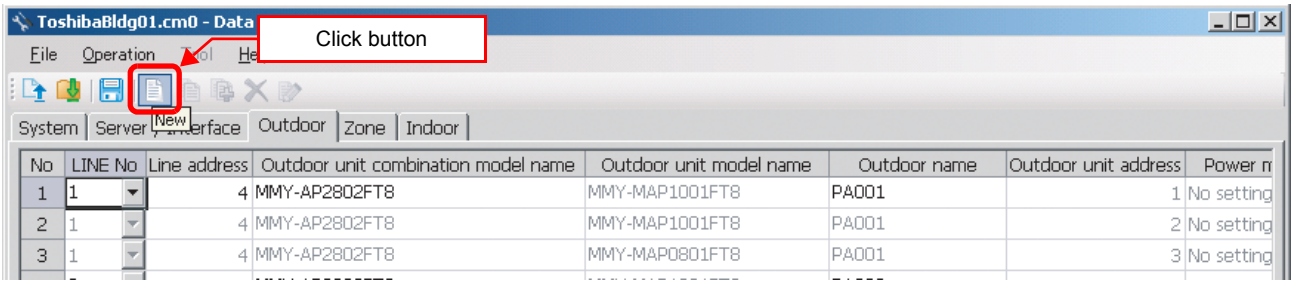


Fig.34 [Outdoor] tab (New button)

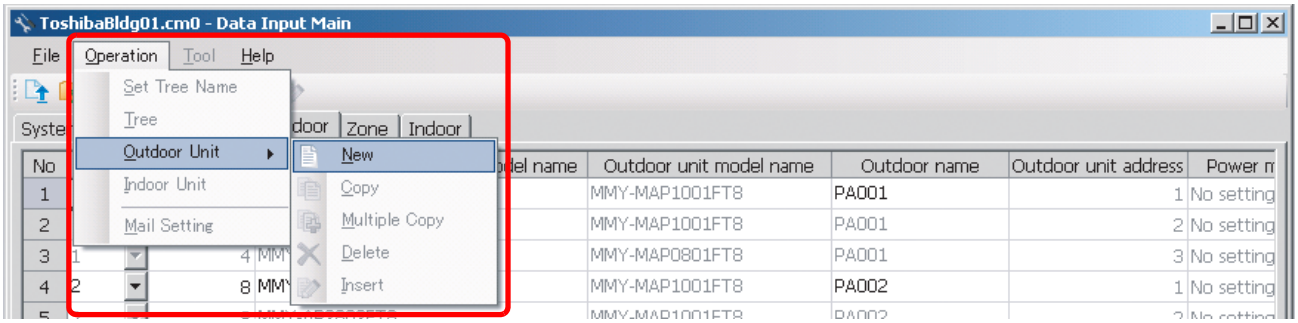


Fig.35 [Outdoor] tab (New menu)

The following table shows how to enter / select data:

Smart BMS Manager

Item	Data type	Selection	Note
LINE No	Selected by user	Select from list	
Line address	Entered by user	Numeric value only	
Outdoor unit combination model name	Selected by user	Select from the Select outdoor unit model screen	
Outdoor unit model name	Cannot be edited		
Outdoor name	Entered by user		
Outdoor unit address	Cannot be edited		
Power meter input name	Selected by user	Select from list	

Table.5 How to enter / select data

Selecting an outdoor unit

Clicking a cell of an outdoor unit combination model name on the [Outdoor] tab (Fig.5) displays the Select outdoor unit model screen. On the screen, double-click a cell of an outdoor unit model, or select a model then click the OK button. “Outdoor unit combination model name,” “Outdoor unit model name,” and “Outdoor unit address” will automatically become available on the [Outdoor] tab (Fig.5). To cancel changing the outdoor unit setting, click the Cancel button to return to the [Outdoor] tab.

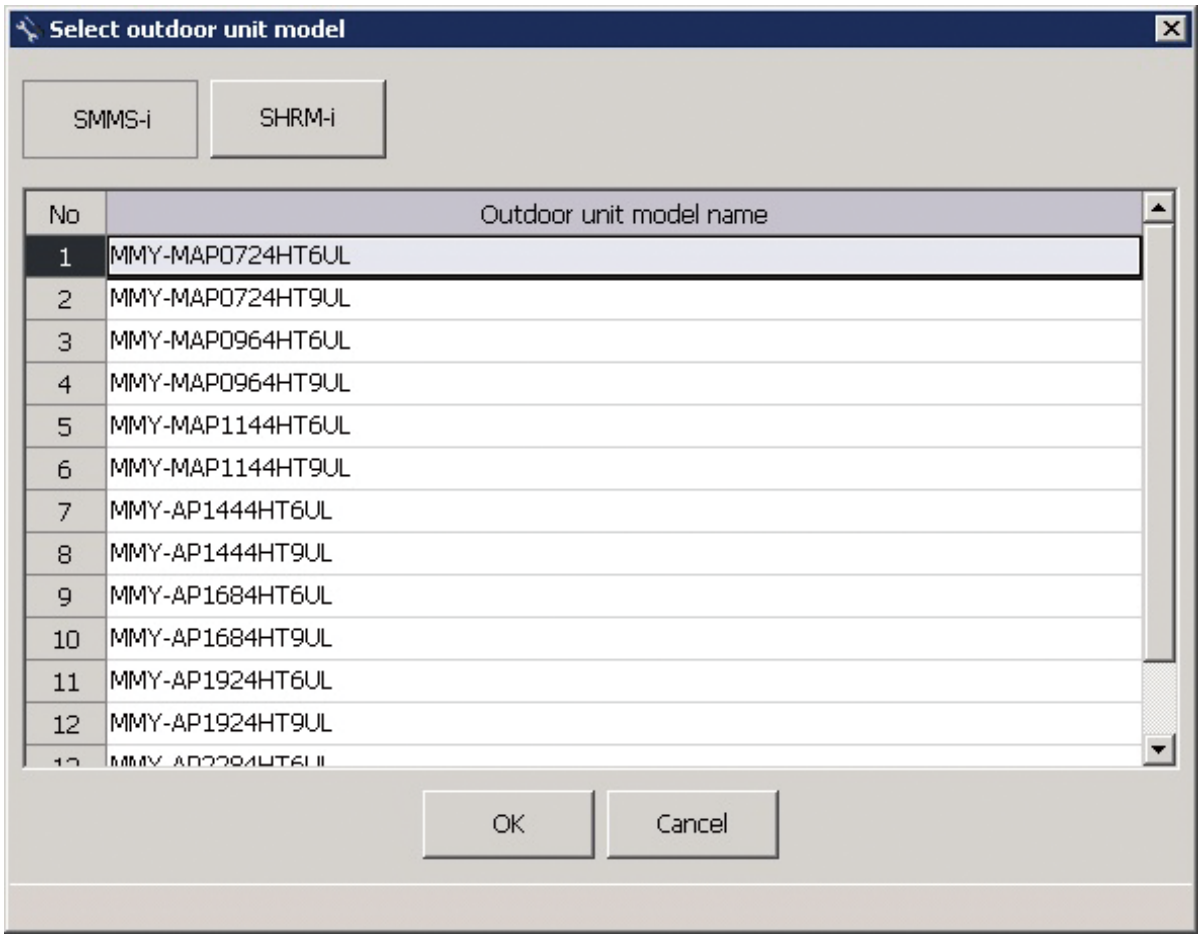


Fig.36 [Select outdoor unit model] screen

EN

■ Copying the data of an outdoor unit

Select a line of an outdoor unit on the [Outdoor] tab (Fig.5), and click the [Copy] button, or select the [Operation] menu > [Outdoor Unit] > [Copy]. The copied outdoor unit will be added to the outdoor unit list. The numbers of the copied “Line address” and “Outdoor name” will automatically be increased in one.

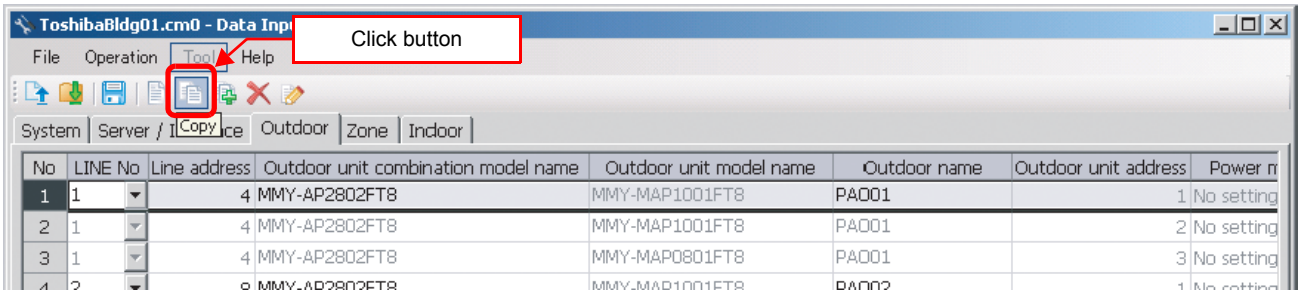


Fig.37 [Outdoor] tab (Copy button)

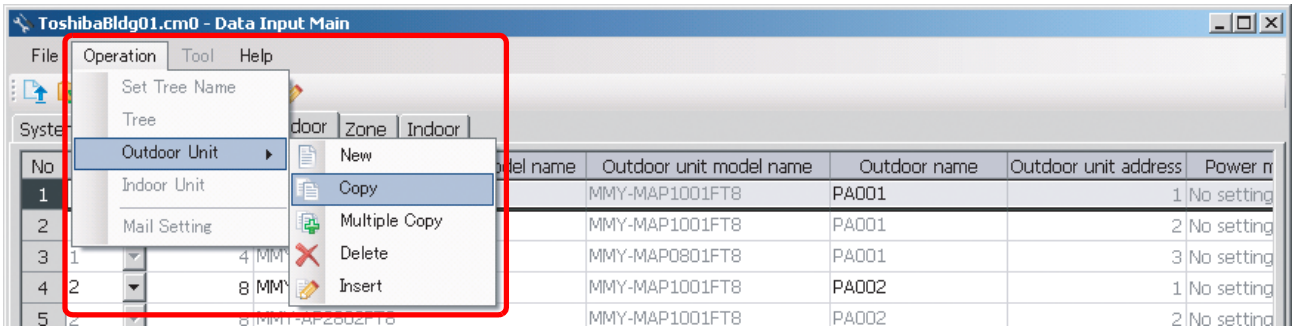


Fig.38 [Outdoor] tab (Copy menu)

■ Copying the data of multiple outdoor units

Select a line of outdoor unit on the [Outdoor] tab (Fig.5), and click the [Multicopy] button, or select the [Operation] menu > [Outdoor Unit] > [Multicopy]. The Copy line count screen appears.

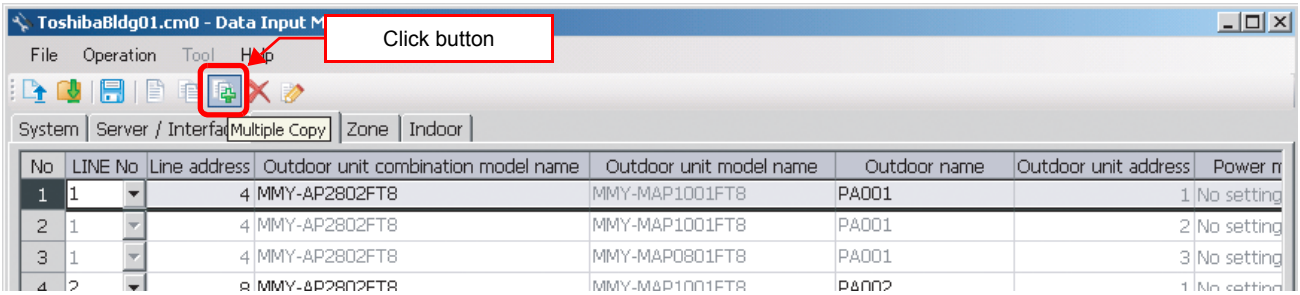


Fig.39 [Outdoor] tab (Multicopy button)

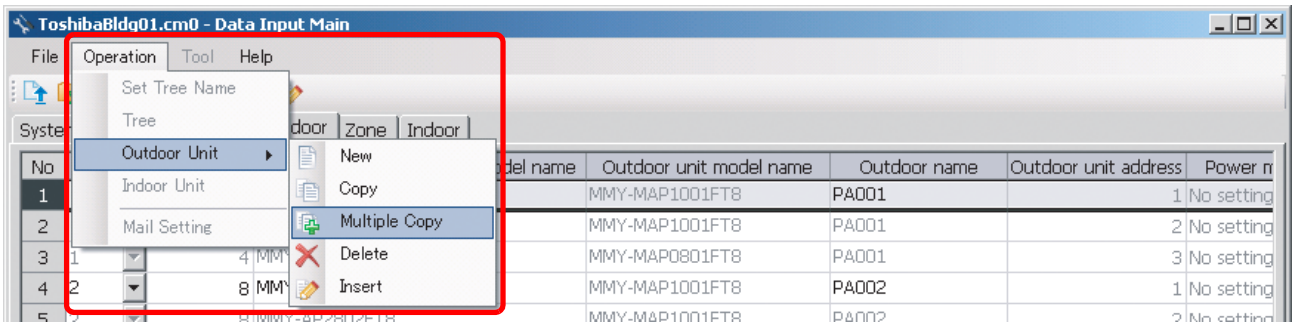


Fig.40 [Outdoor] tab (Multicopy menu)

Enter the copy count, then click the OK button. The copied outdoor units will be added to the outdoor unit list. The numbers of the copied “Line address” and “Outdoor name” will automatically be increased in one.

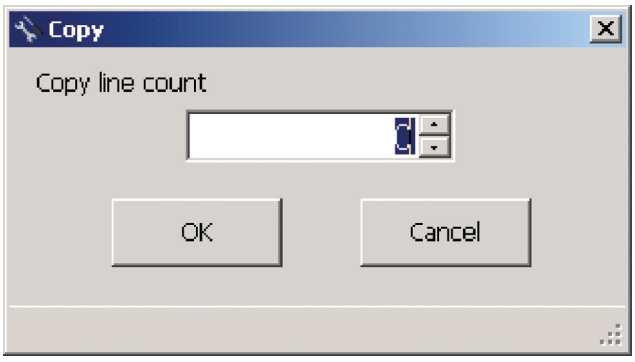


Fig.41 [Copy line count] screen

EN

■ Deleting the data of outdoor units

Select one or more lines of outdoor units on the [Outdoor] tab (Fig.5), and click the [Delete] button, or select the [Operation] menu > [Outdoor Unit] > [Delete].

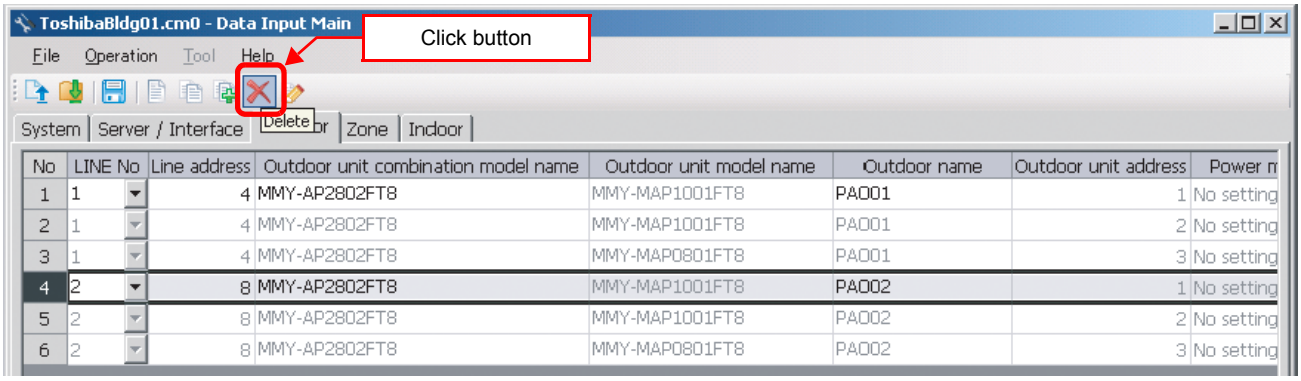


Fig.42 [Outdoor] tab (Delete button)

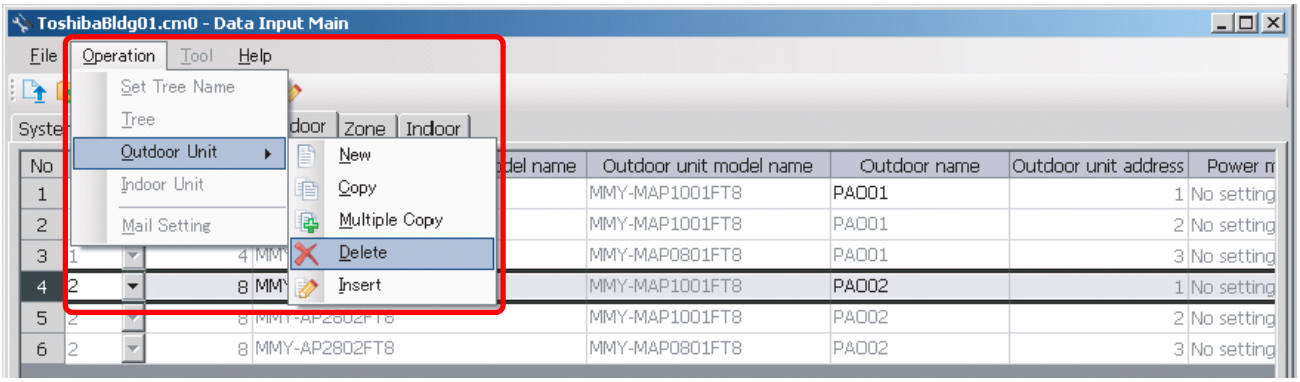


Fig.43 [Outdoor] tab (Delete menu)

The deletion confirmation dialog box appears.
Click the OK button to delete. The outdoor units will be deleted from the outdoor unit list. To cancel deletion, click the Cancel button.

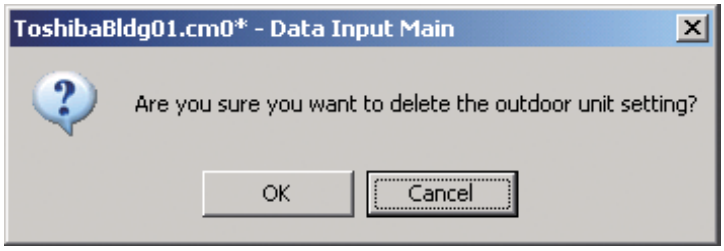


Fig.44 Deletion confirmation dialog box

■ Inserting an outdoor unit

Select a line of an outdoor unit on the [Outdoor] tab (Fig.5), and click the [Insert] button, or select the [Operation] menu > [Outdoor Unit] > [Insert]. A line will be inserted at the selected location in the outdoor unit list.

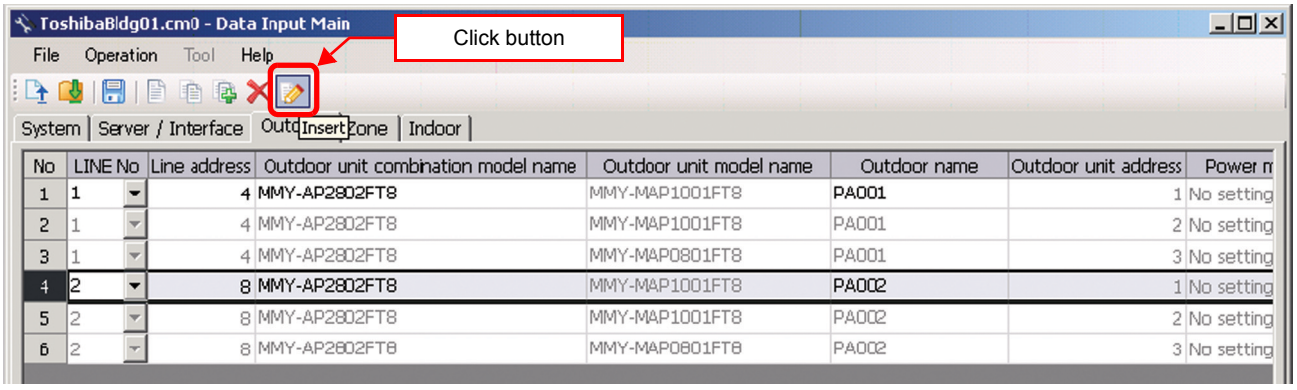


Fig.45 [Outdoor] tab (Insert button)

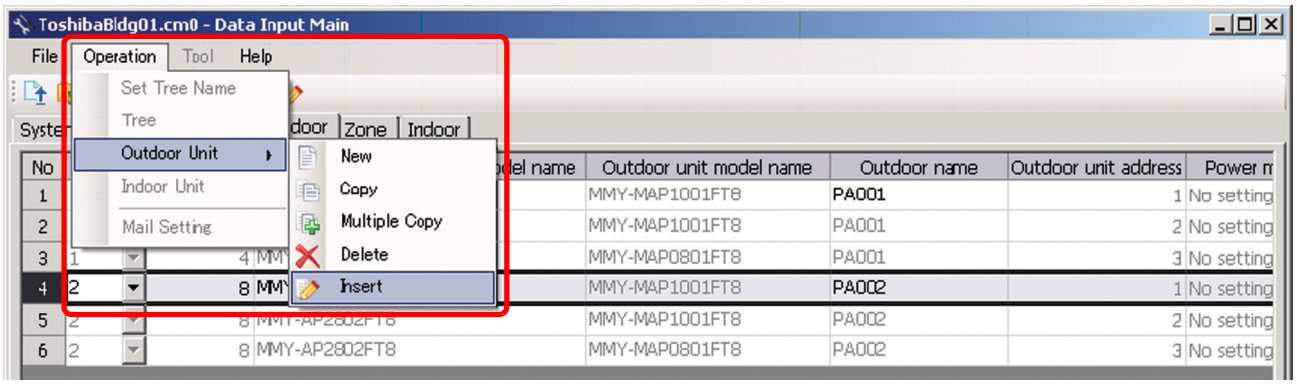


Fig.46 [Outdoor] tab (Insert menu)

EN

■ Editing a zone

On the [Zone] tab, select a section (Floor, Monthly report tenant, Tenant, Area) from the combo box in the upper left corner of the window. Enter a name in the displayed zone list.

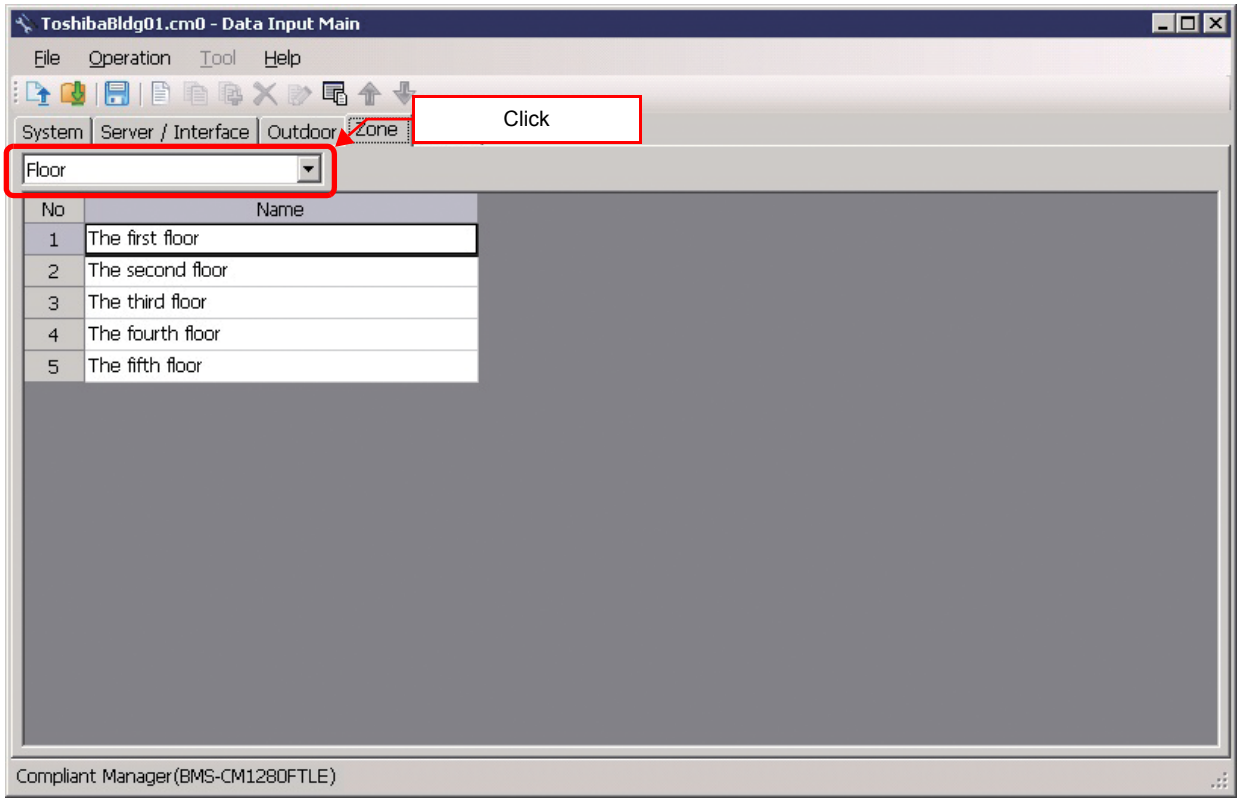


Fig.47 [Zone] tab (Floor)

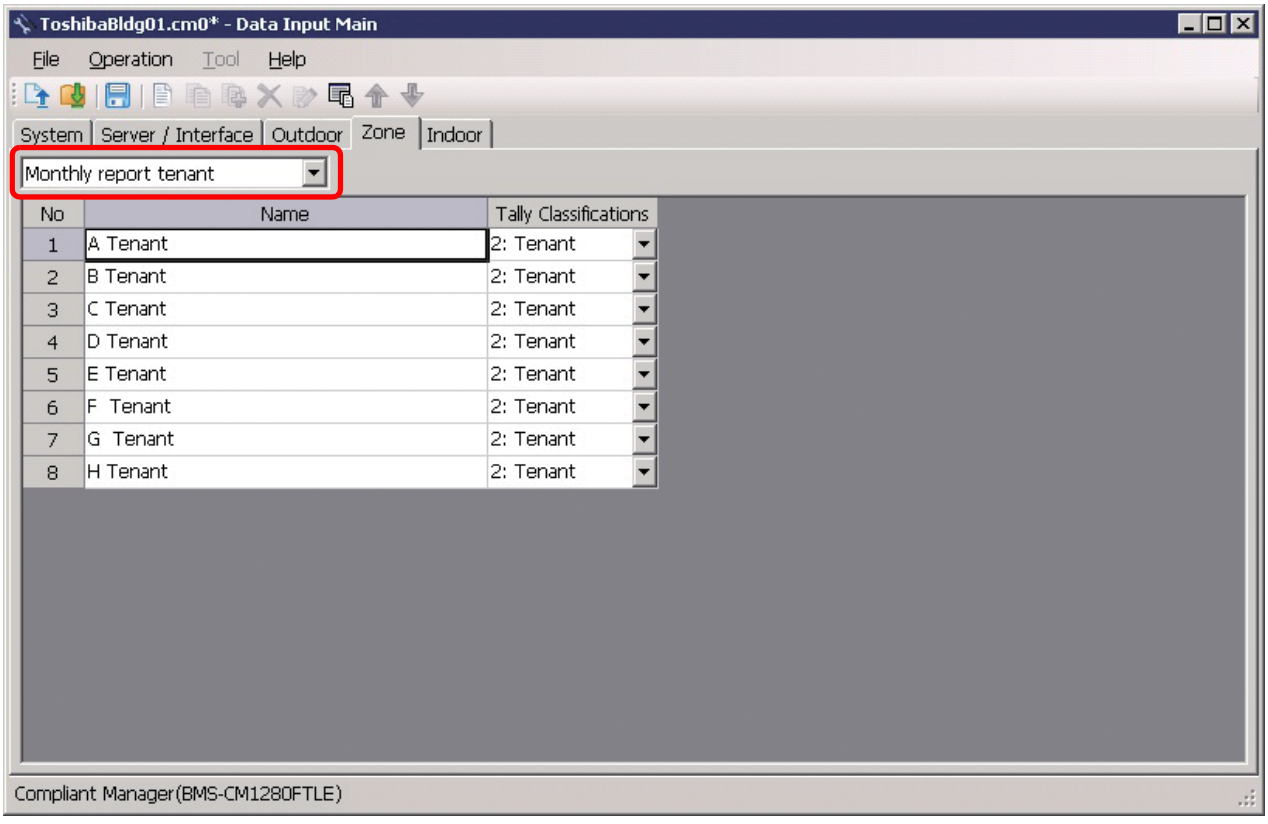


Fig.48 [Zone] tab (Monthly report tenant)

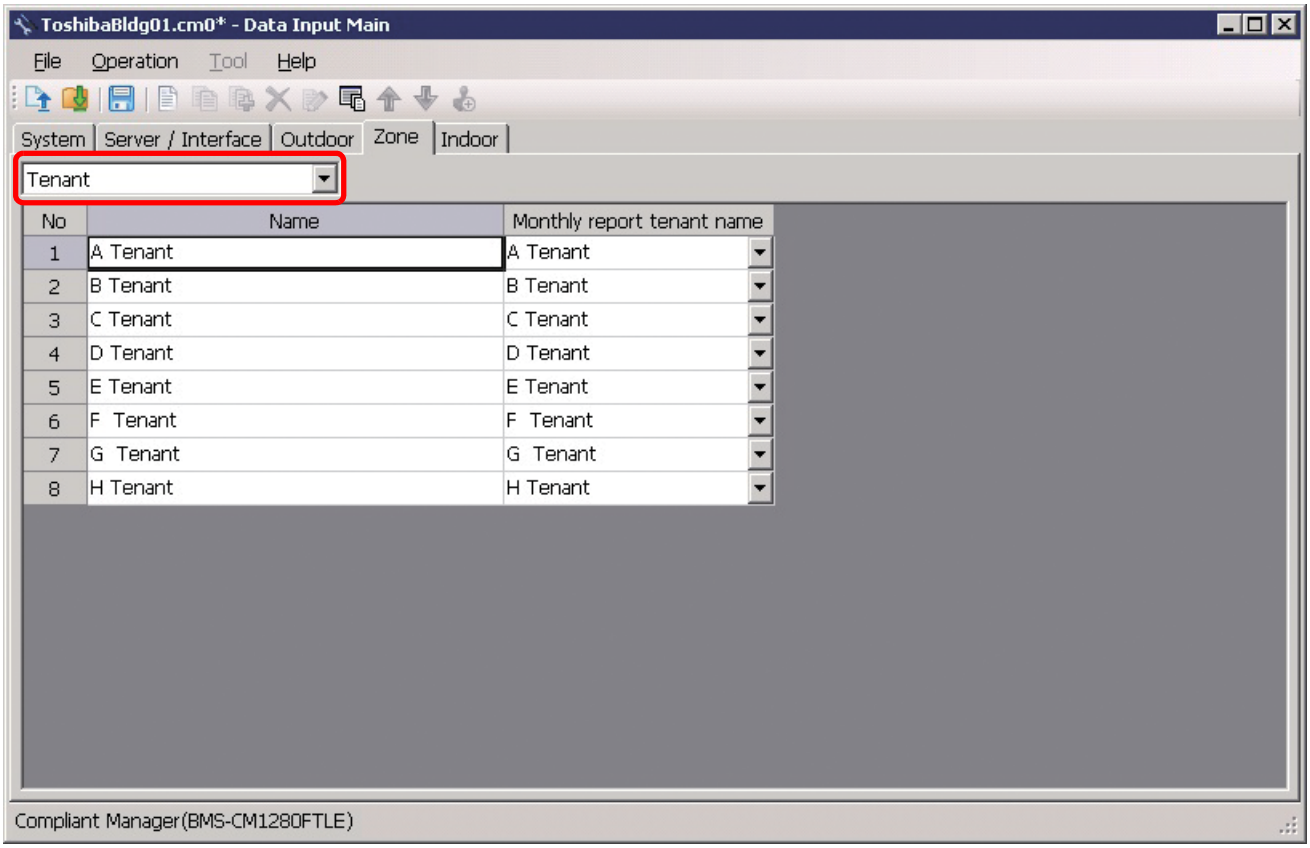


Fig.49 [Zone] tab (Tenant)

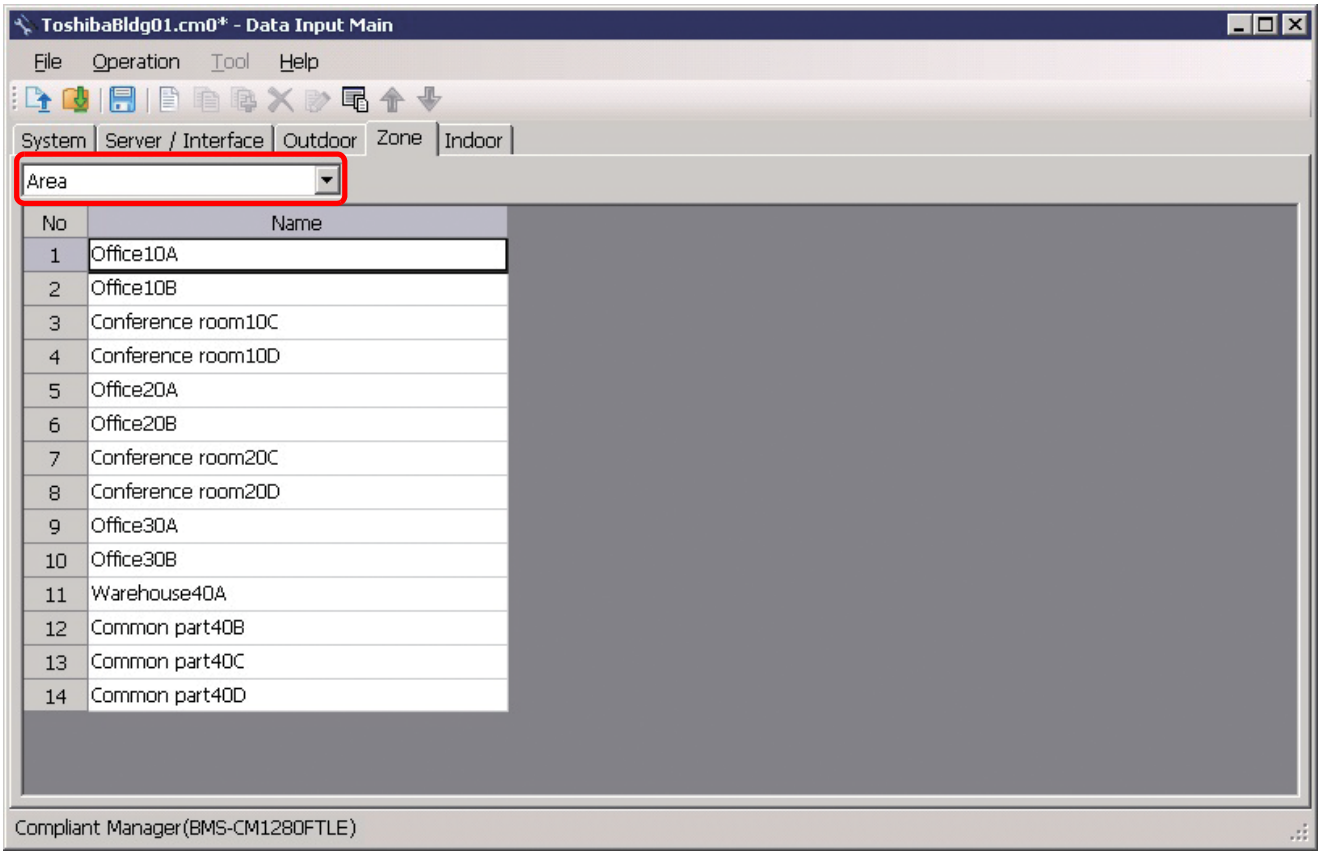


Fig.50 [Zone] tab (Area)

EN

■ Adding a zone

Click the [New] button, or select the [Operation] menu > [Tree] > [New]. A line will be added to the zone list.

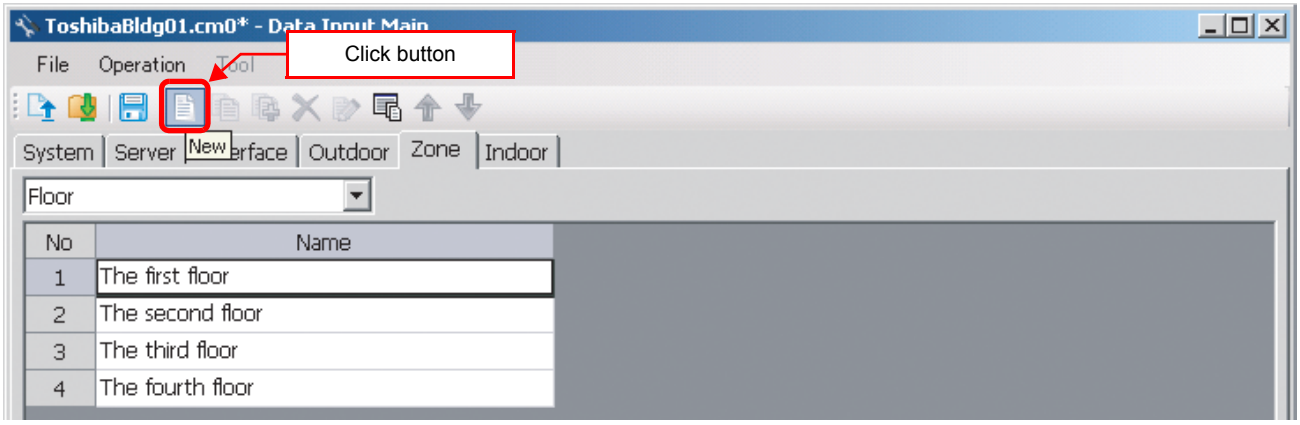


Fig.51 [Zone] tab (New button)

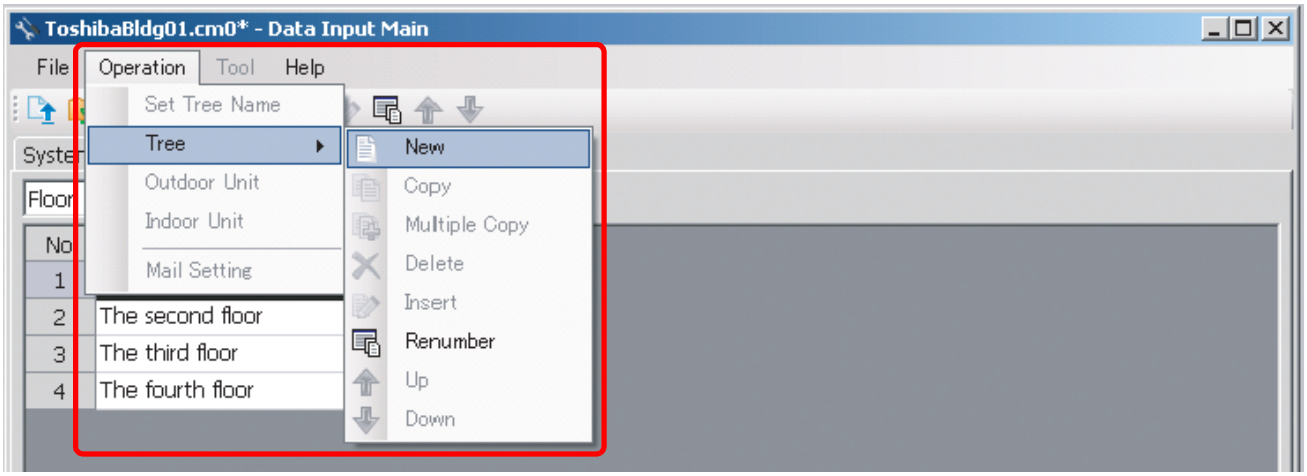


Fig.52 [Zone] tab (New button)

The following table shows how to enter / select data:
Smart BMS Manager

Item	Data type	Selection	Note
Name	Entered by user		
Tally Classifications	Selected by user	Select from list	Monthly report tenant only
Monthly report tenant name	Selected by user	Select from list	Tenant only

Table.6 How to enter / select data

■ Copying the data of a zone

Select a line of a zone on the [Zone] tab, and click the [Copy] button, or select the [Operation] menu > [Tree] > [Copy]. The copied zone will be added to the zone list. The number of the copied “Name” will automatically be increased in one.

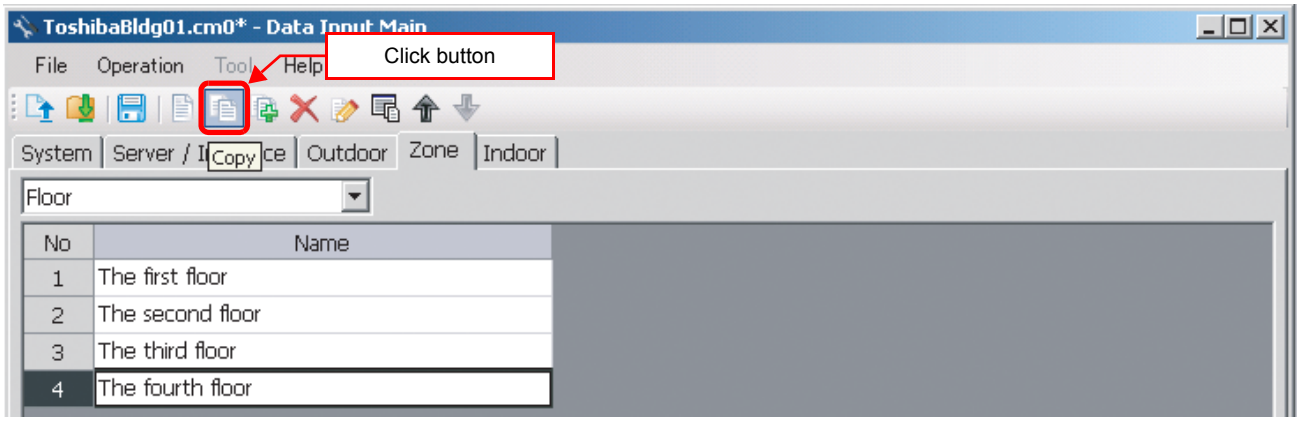


Fig.53 [Zone] tab (Copy button)

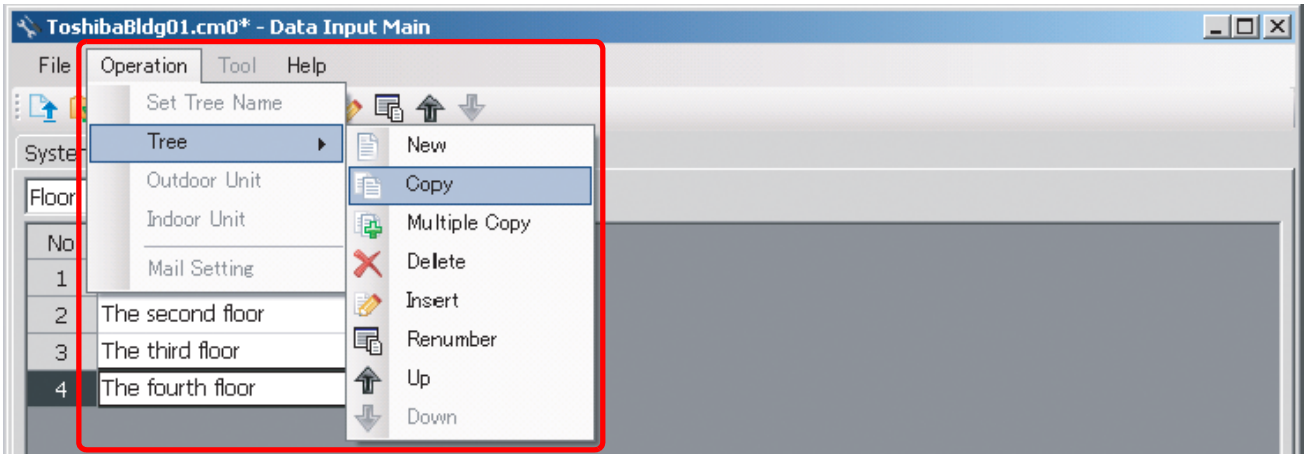


Fig.54 [Zone] tab (Copy menu)

EN

■ Copying the data of multiple zones

Select a line of zone on the [Zone] tab, and click the [Multicopy] button, or select the [Operation] menu > [Tree] > [Multicopy]. The Copy line count screen appears.

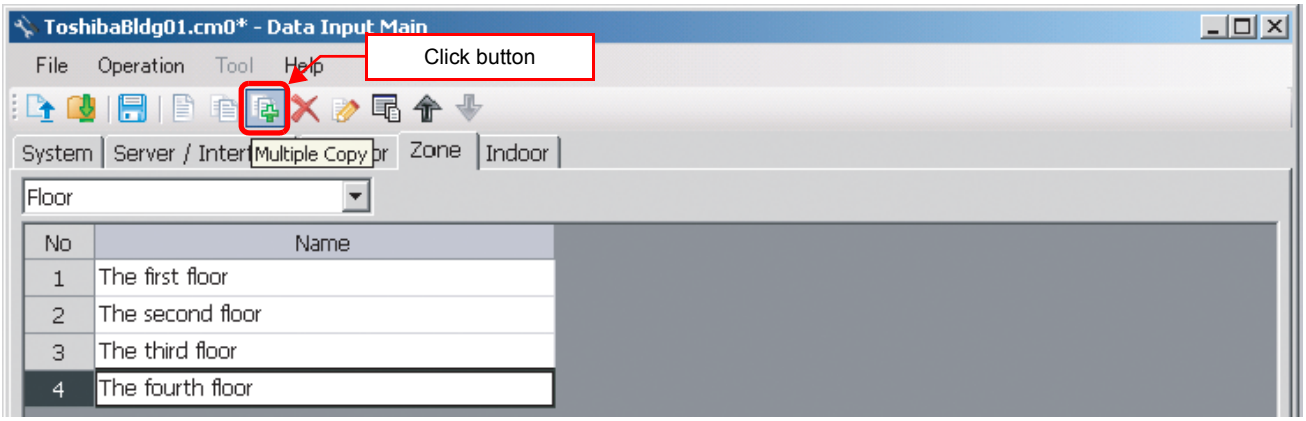


Fig.55 [Zone] tab (Multicopy button)

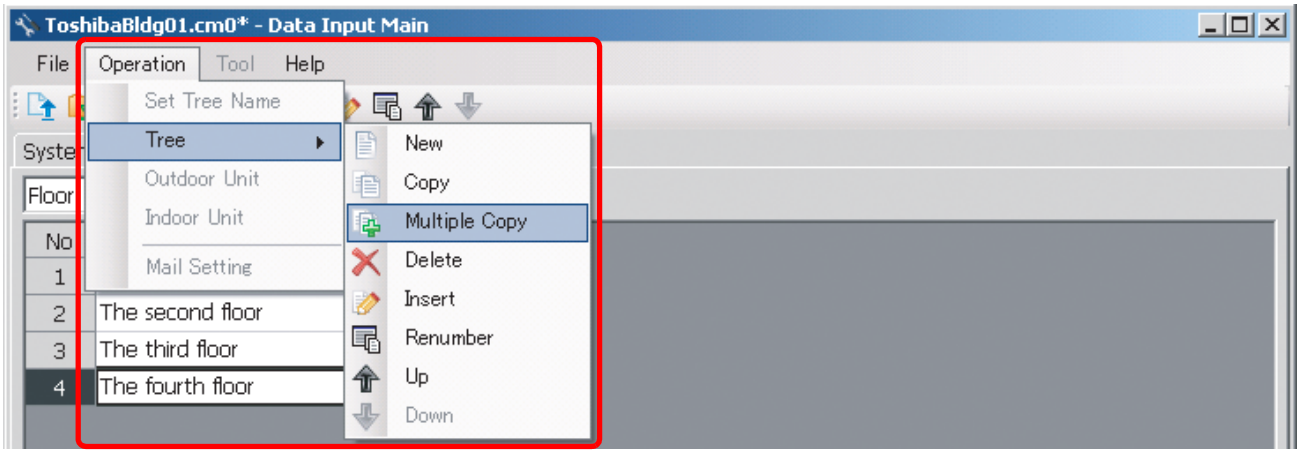


Fig.56 [Zone] tab (Multicopy menu)

Enter the copy count, then click the OK button. The copied zones will be added to the zone list. The number of the copied “Name” will automatically be increased in one.

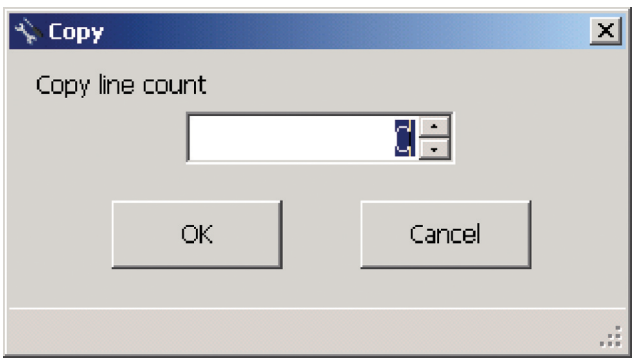


Fig.57 [Copy line count] screen

■ Deleting the data of zones

Select one or more lines of zones on the [Zone] tab (Fig.6), and click the [Delete] button, or select the [Operation] menu > [Tree] > [Delete].

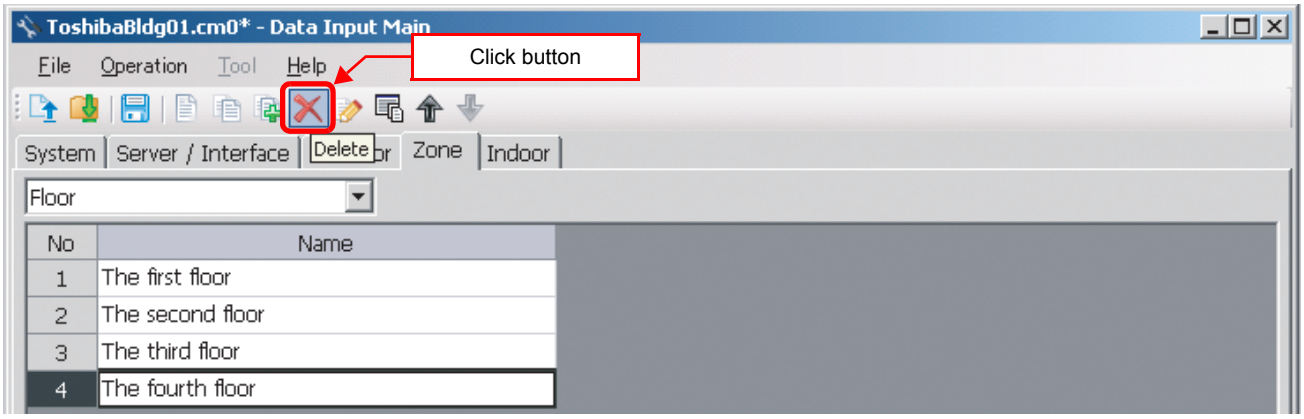


Fig.58 [Zone] tab (Delete button)

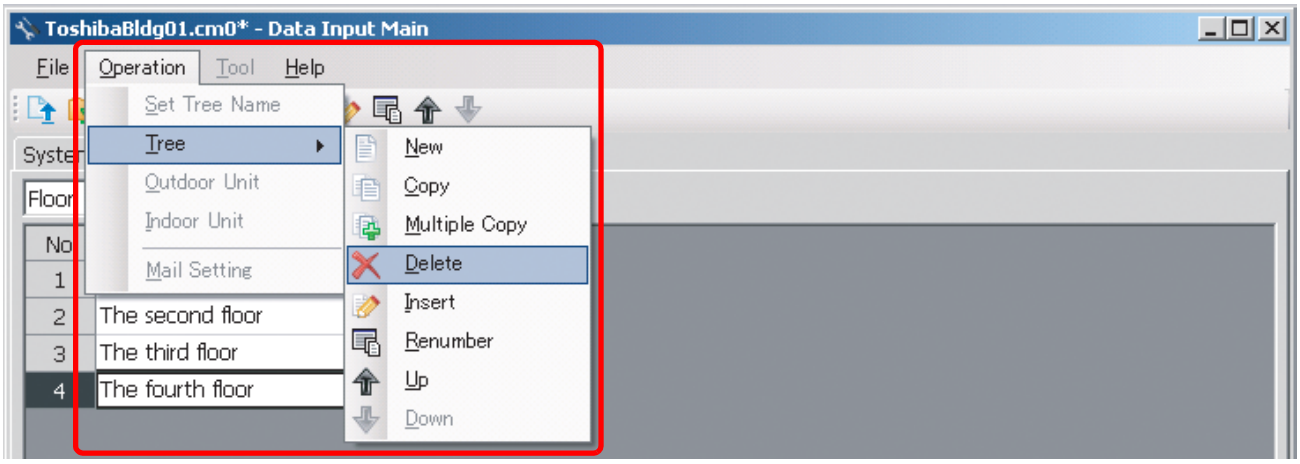


Fig.59 [Zone] tab (Delete menu)

The deletion confirmation dialog box appears.
Click the OK button to delete. The zones will be deleted from the zone list. To cancel deletion, click the Cancel button.

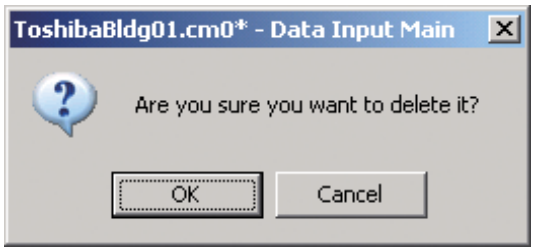


Fig.60 Deletion confirmation dialog box

Note that the following data will also be deleted if a zone is deleted:
- The Zone setting of an indoor unit set to the deleted zone

EN

■ Inserting a zone

Select a line of a zone on the [Zone] tab (Fig.6), and click the [Insert] button, or select the [Operation] menu > [Tree] > [Insert]. A line will be inserted at the selected location in the zone list.

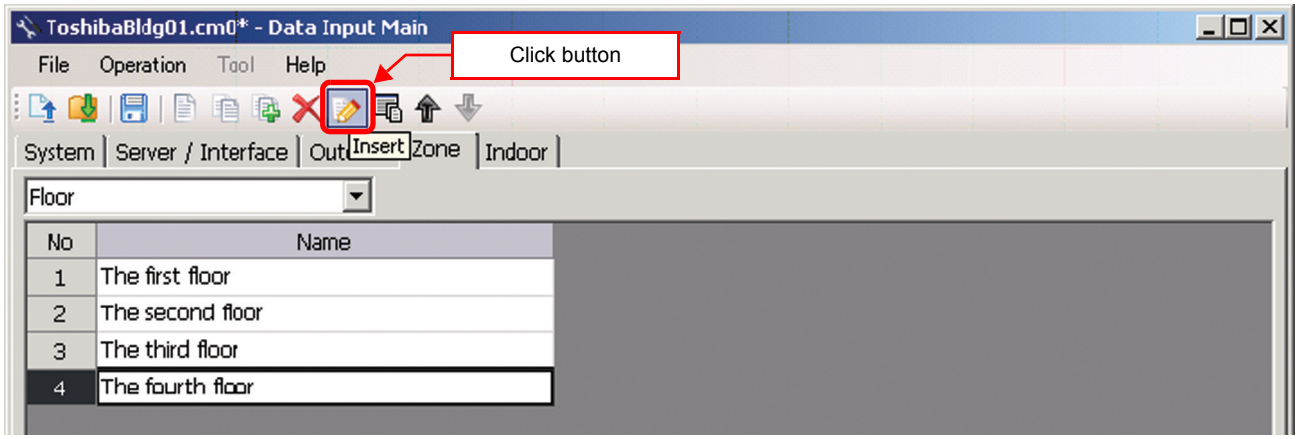


Fig.61 [Zone] tab (Insert button)

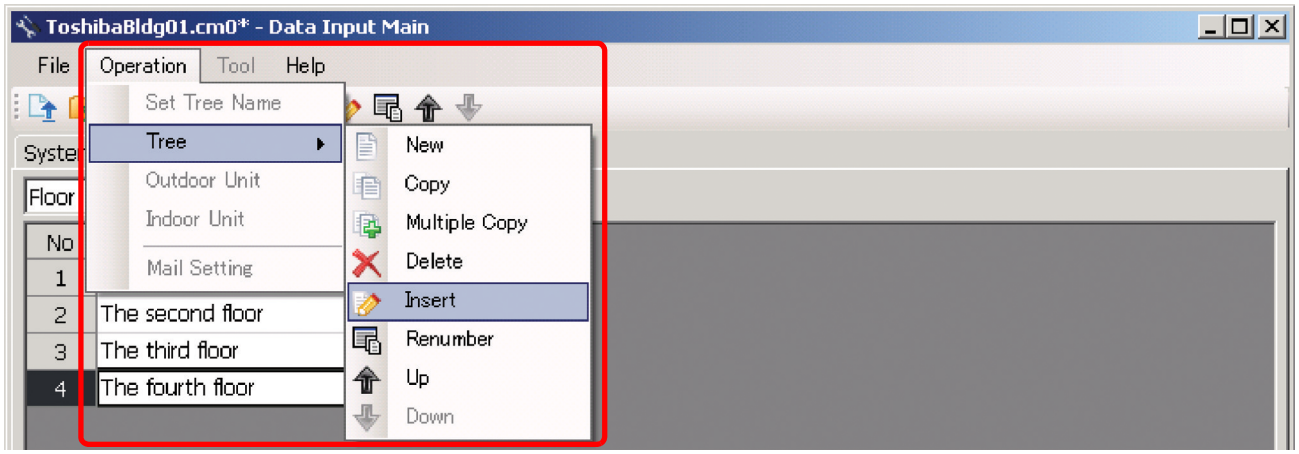


Fig.62 [Zone] tab (Insert menu)

■ Renumbering the zones

Click the [Renumber] button, or select the [Operation] menu > [Tree] > [Renumber]. The numbers in the “No” column will be reassigned.

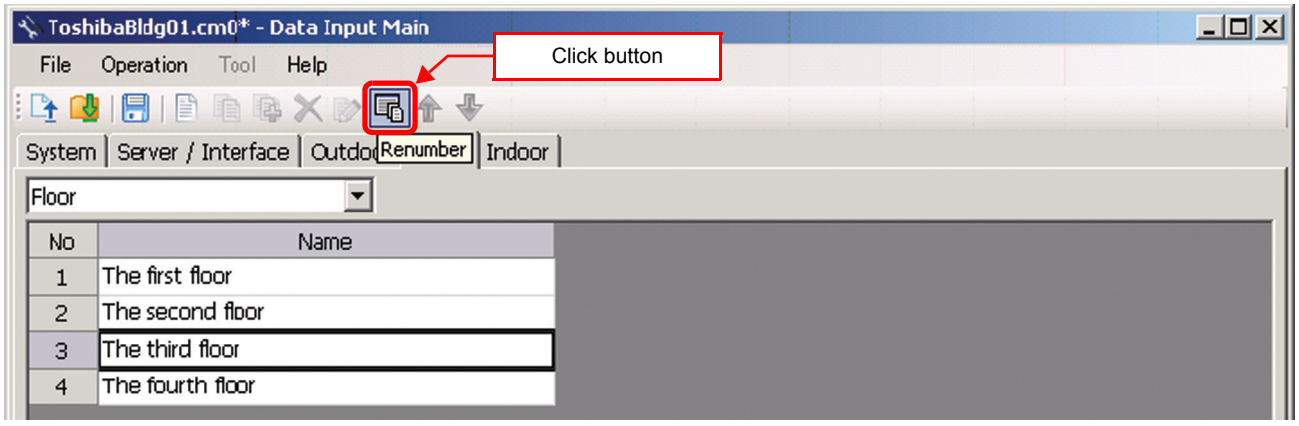


Fig.63 [Zone] tab (Renumber button)

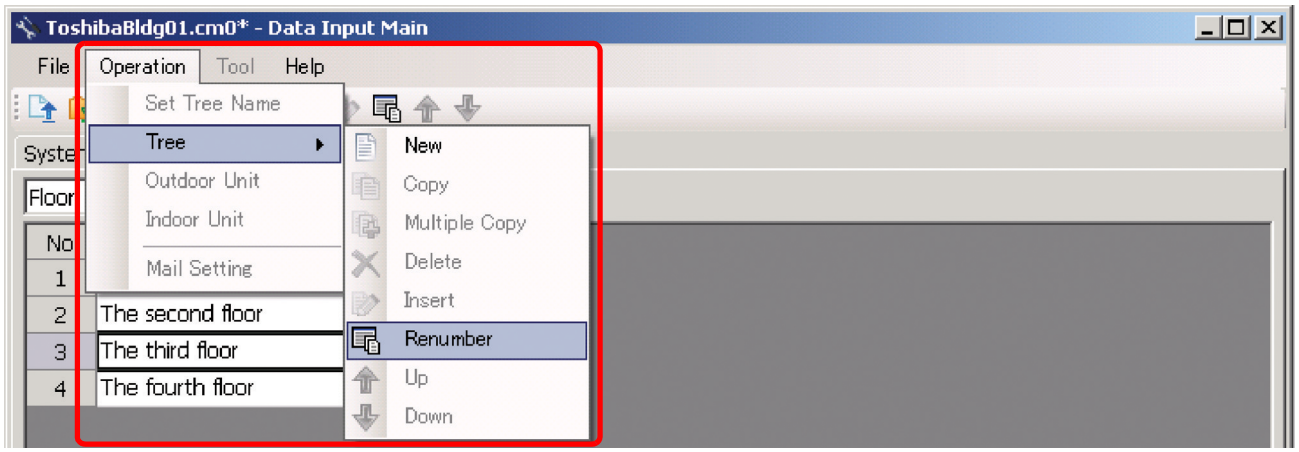


Fig.64 [Zone] tab (Renumber menu)

EN

■ Changing the order of the zones

Select a line of a zone on the [Zone] tab, and click the [Up] / [Down] button, or select the [Operation] menu > [Tree] > [Up] / [Down]. The selected line moves up or down.

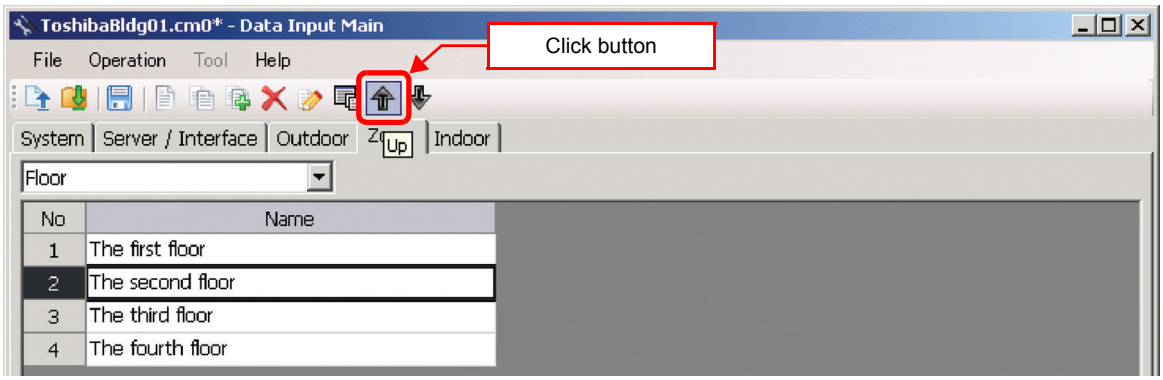


Fig.65 [Zone] tab (Up button)

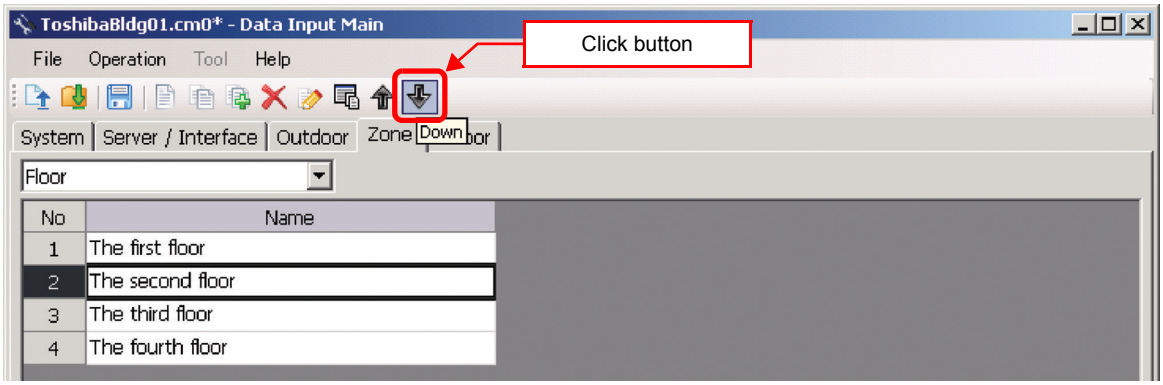


Fig.65-1 [Zone] tab (Down button)

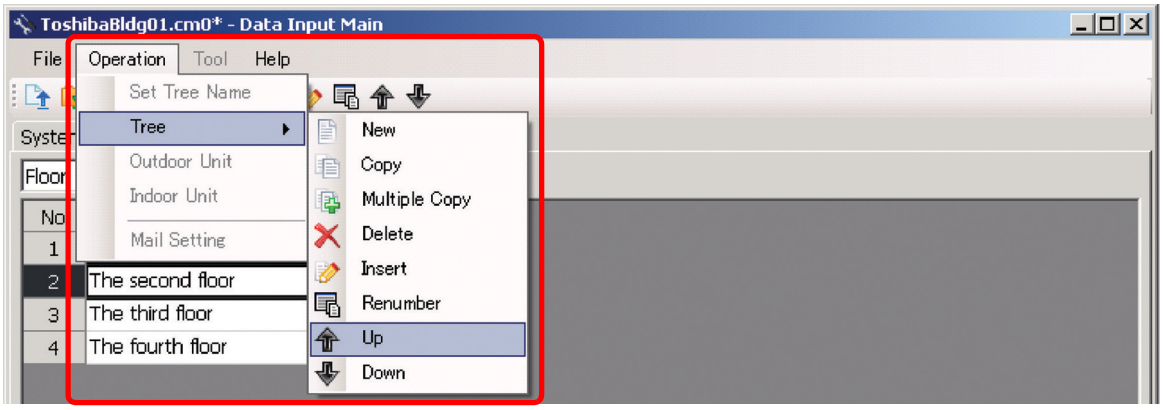


Fig.66 [Zone] tab (Up menu)

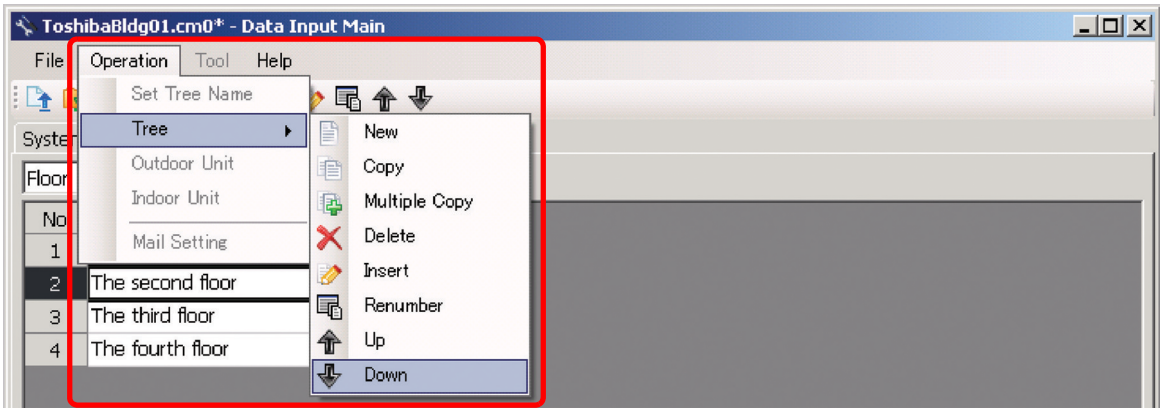


Fig.66-1 [Zone] tab (Down menu)

■ Adding an indoor unit

Click the [New] button, or select the [Operation] menu > [Indoor Unit] > [New]. A line will be added to the indoor unit list.

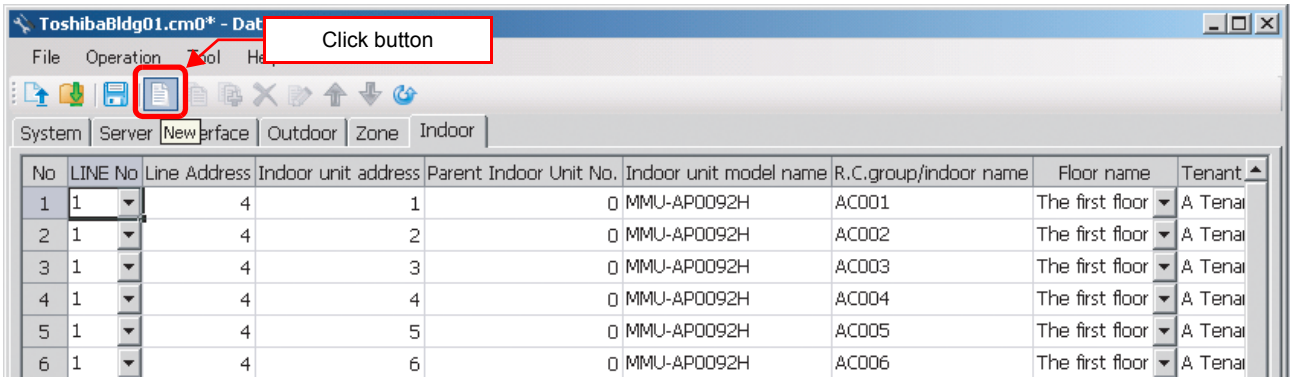


Fig.67 [Indoor] tab (New button)

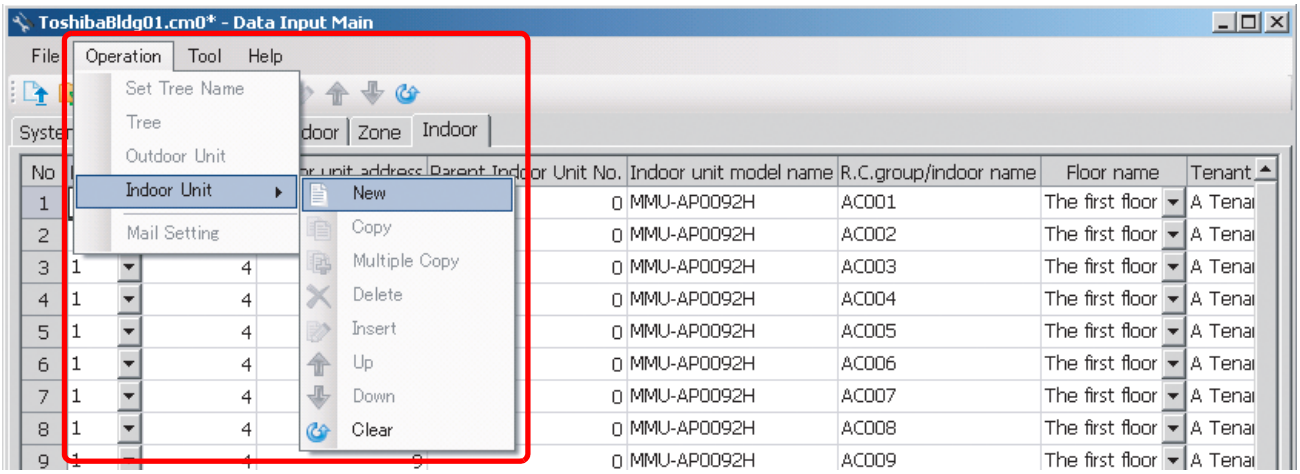


Fig.68 [Indoor] tab (New menu)

EN

The following table shows how to enter / select data:
Smart BMS Manager

Item	Data type	Selection	Note
LINE No	Selected by user	Select from list	
Line Address	Entered by user		
Indoor unit address	Entered by user		
Parent Indoor Unit No.	Entered by user		
Indoor unit model name	Selected by user	Select from the Select indoor unit model screen	
R.C.group / indoor name	Entered by user		
Floor name	Selected by user	Select from list	
Tenant name	Selected by user	Select from list	
Area name	Selected by user	Select from list	
Door-lock input name	Selected by user	Select from list	
Fire alarm input name	Selected by user	Select from list	
Power meter input name	Selected by user	Select from list	
General purpose interface Energy Coefficient (kWh)	Entered by user		
Air Conditioner No.	Entered by user		

Table.7 How to enter / select data

Selecting an Indoor Unit

Clicking a cell of an indoor unit model name on the [Indoor] tab (Fig.7) displays the Select indoor unit model screen. On the screen, double-click a cell of an indoor unit model, or select a model then click the OK button. “Indoor unit model name” will automatically become available on the [Indoor] tab (Fig.7). To cancel changing the indoor unit setting, click the Cancel button to return to the [Indoor] tab.

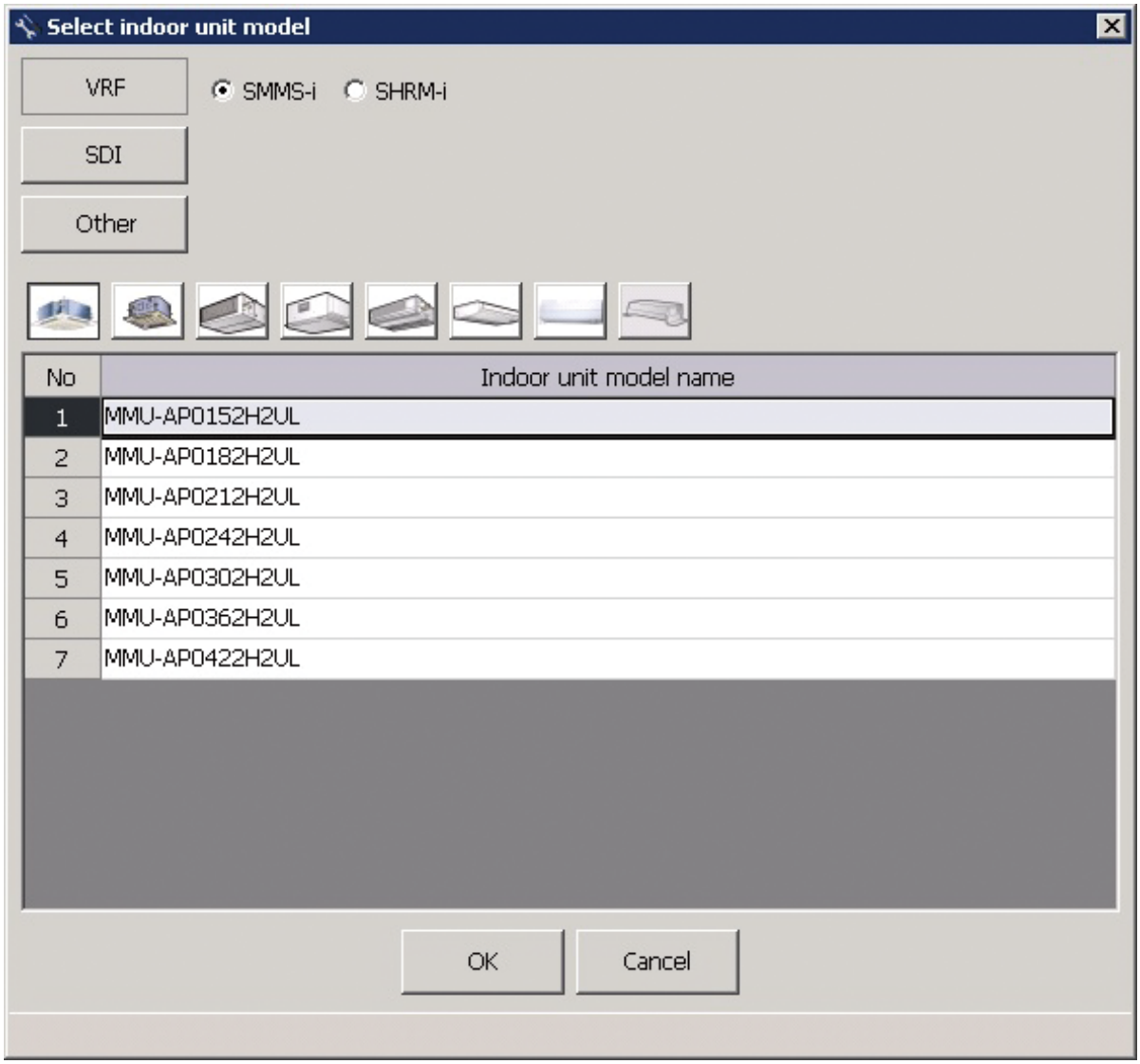


Fig.69 [Select indoor unit model] screen

■ Copying the data of an indoor unit

Select a line of an indoor unit on the [Indoor] tab (Fig.7), and click the [Copy] button, or select the [Operation] menu > [Indoor Unit] > [Copy]. The copied indoor unit will be added to the indoor unit list. The numbers of the copied “Indoor unit address” and “R.C.group / indoor name” will automatically be increased in one.

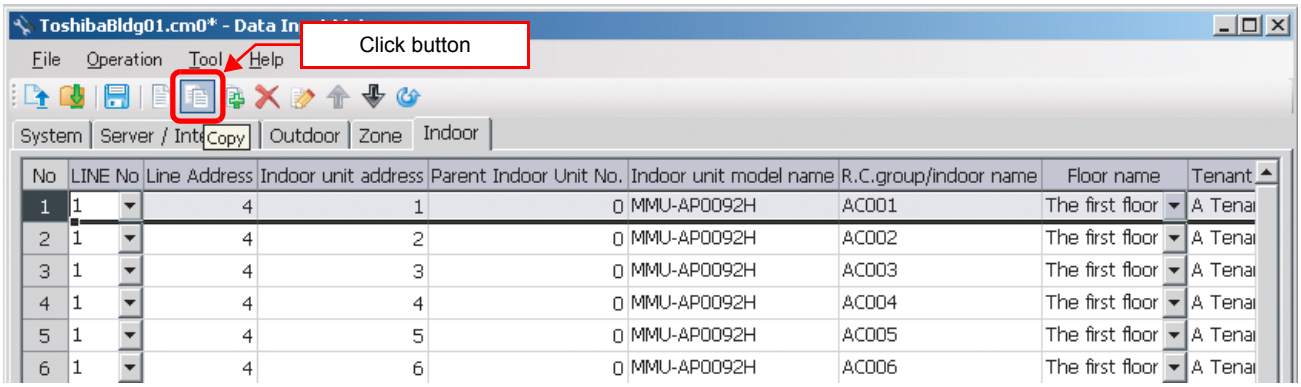


Fig.70 [Indoor] tab (Copy button)

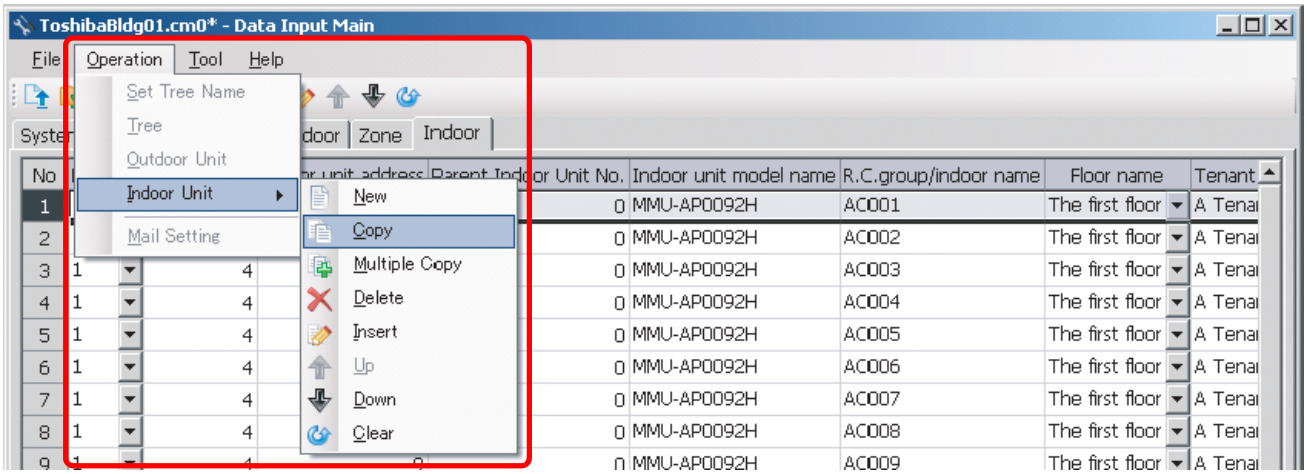


Fig.71 [Indoor] tab (Copy menu)

■ Copying the data of multiple indoor units

Select a line of indoor unit on the [Indoor] tab (Fig.7), and click the [Multicopy] button, or select the [Operation] menu > [Indoor Unit] > [Multicopy]. The Copy line count screen appears.

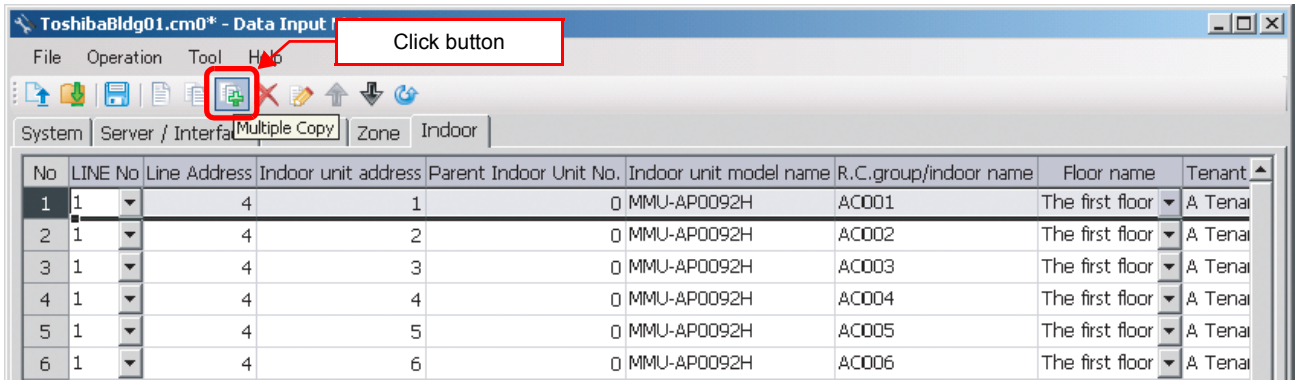


Fig.72 [Indoor] tab (Multicopy button)

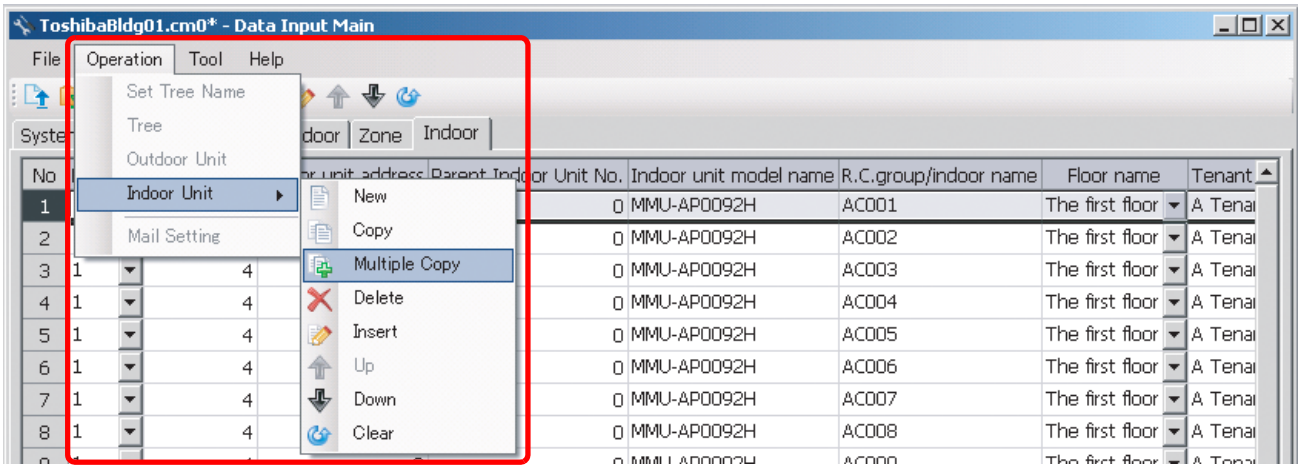


Fig.73 [Indoor] tab (Multicopy menu)

Enter the copy count, then click the OK button. The copied indoor units will be added to the indoor unit list. The numbers of the copied “Indoor unit address” and “R.C.group / indoor name” will automatically be increased in one.

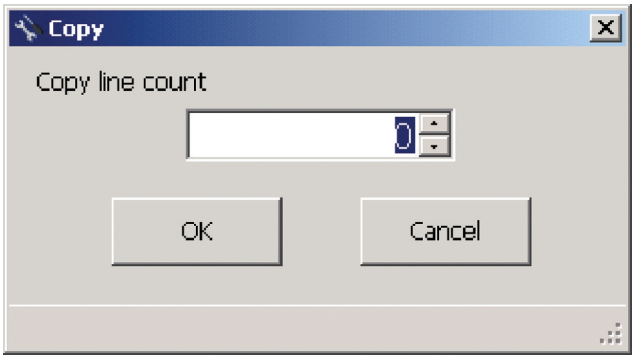


Fig.74 [Copy line count] screen

EN

■ Deleting the indoor units

Select one or more lines of indoor units on the [Indoor] tab (Fig.7), and click the [Delete] button, or select the [Operation] menu > [Indoor Unit] > [Delete].

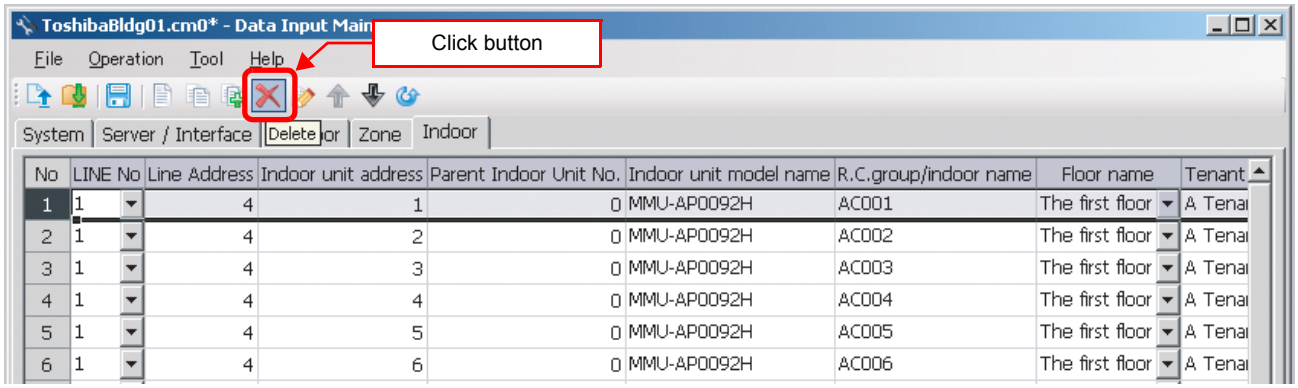


Fig.75 [Indoor] tab (Delete button)

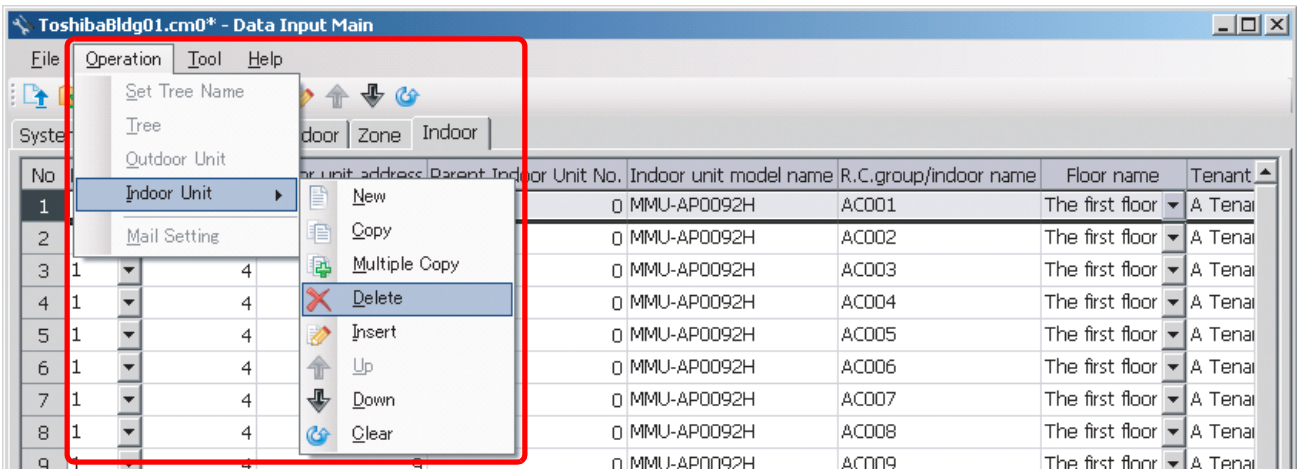


Fig.76 [Indoor] tab (Delete menu)

The deletion confirmation dialog box appears.
Click the OK button to delete. The indoor units will be deleted from the indoor unit list. To cancel deletion, click the Cancel button.

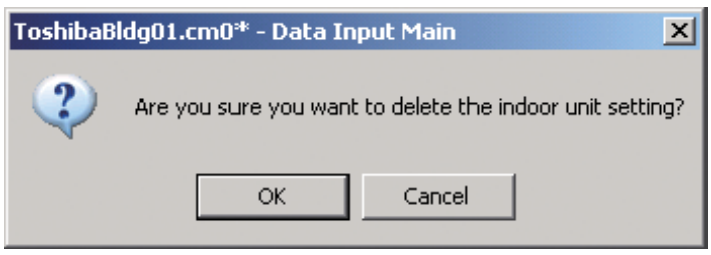


Fig.77 Deletion confirmation dialog box

■ Inserting an indoor unit

Select a line of an indoor unit on the [Indoor] tab (Fig.7), and click the [Insert] button, or select the [Operation] menu > [Indoor Unit] > [Insert]. A line will be inserted at the selected location in the indoor unit list.

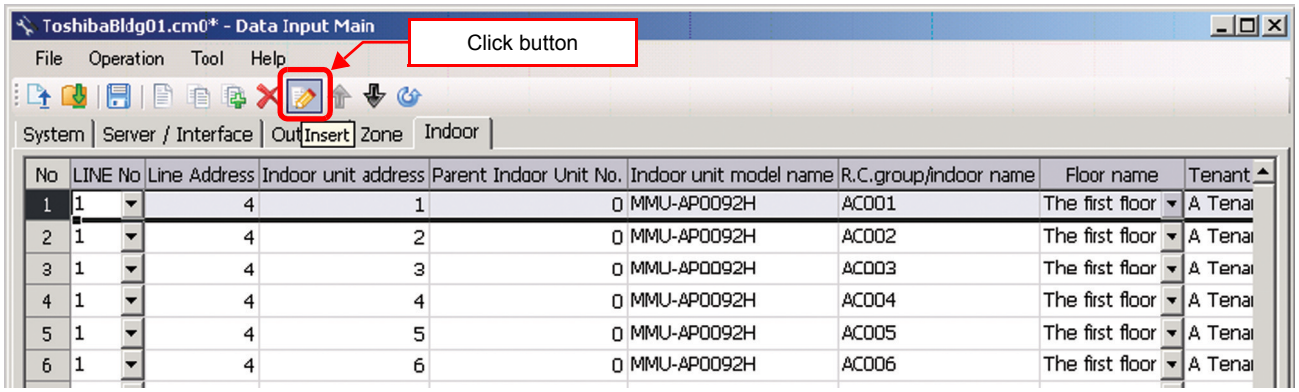


Fig.78 [Indoor] tab (Insert button)

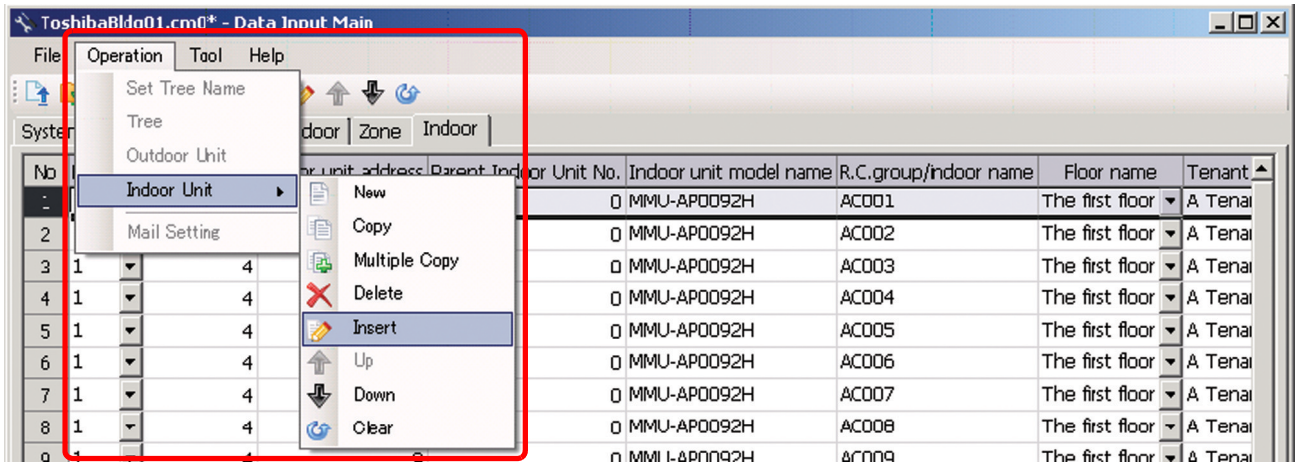


Fig.79 [Indoor] tab (Insert menu)

EN

■ Changing the order of the indoor units

Select a line of an indoor unit on the [Indoor] tab, and click the [Up] / [Down] button, or select the [Operation] menu > [Indoor Unit] > [Up] / [Down]. The selected line moves up or down.

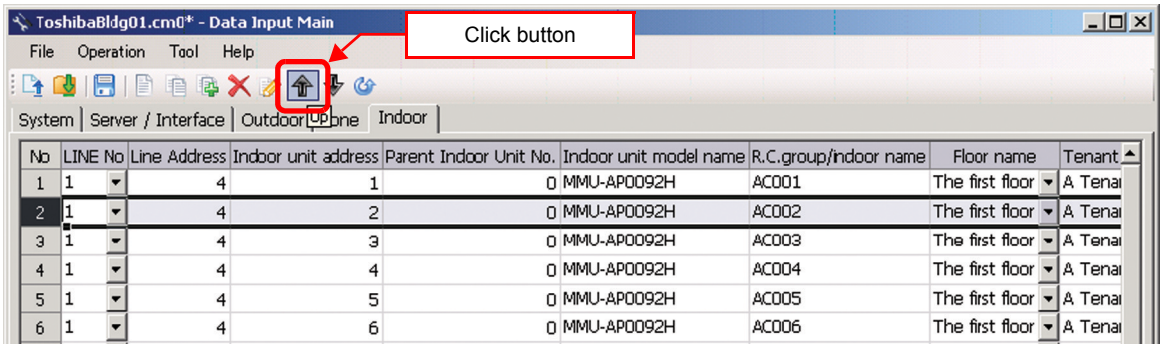


Fig.80 [Indoor Unit] tab (Up button)

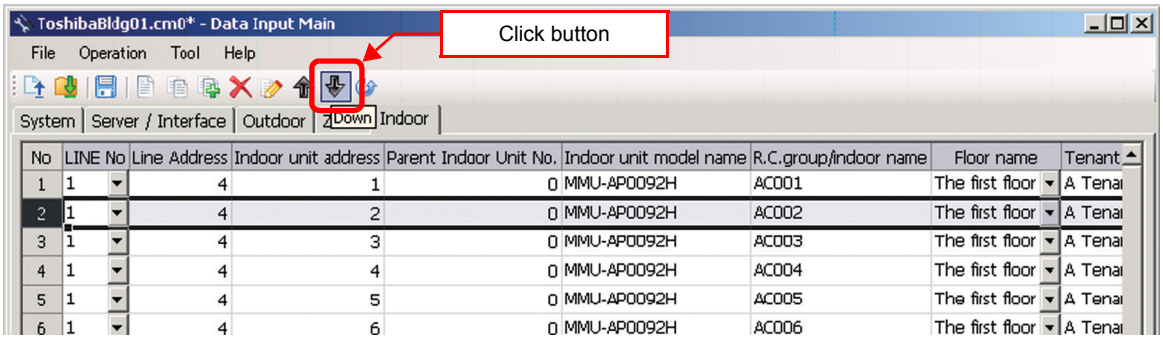


Fig.80-1 [Indoor Unit] tab (Down button)

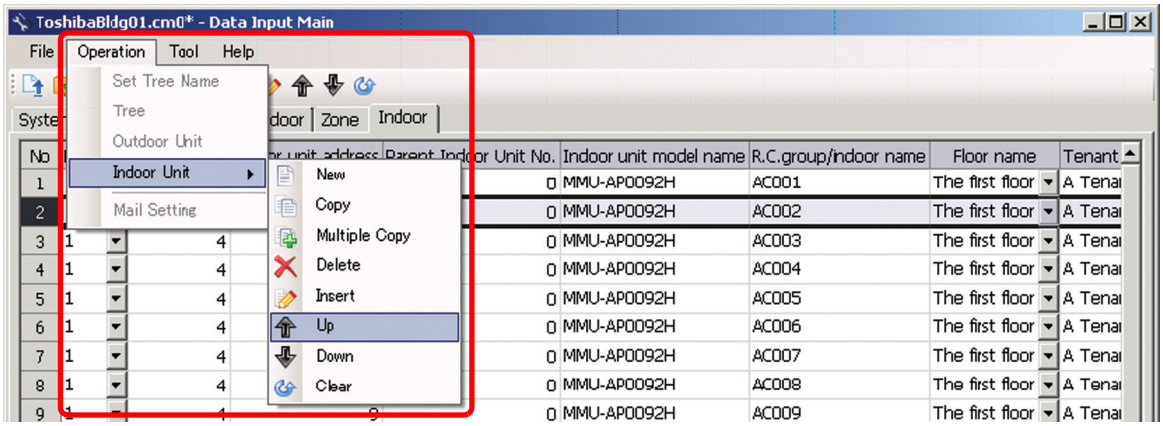


Fig.81 [Indoor Unit] tab (Up menu)

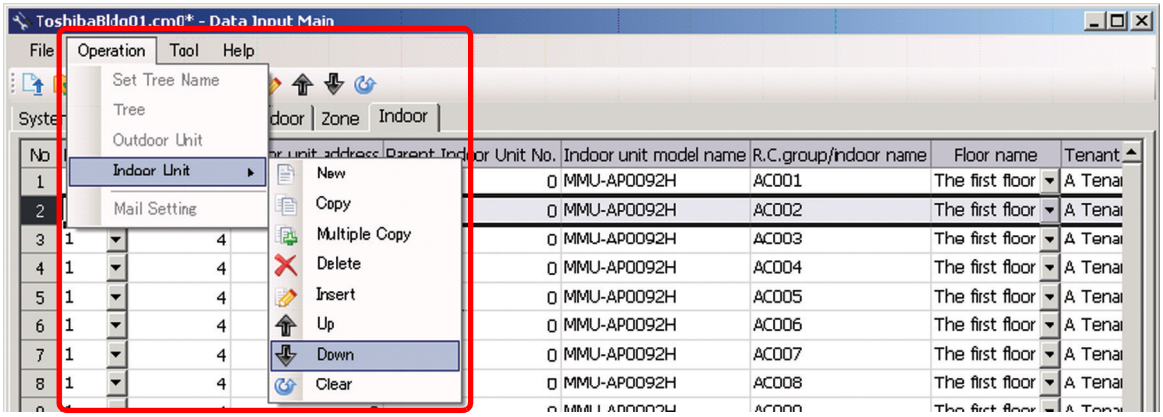


Fig.81-1 [Indoor Unit] tab (Down menu)

■ Deleting all air conditioner No. of the indoor units

Click the [Clear] button, or select the [Operation] menu > [Indoor Unit] > [Clear]. All the Air Conditioner No. will be deleted.

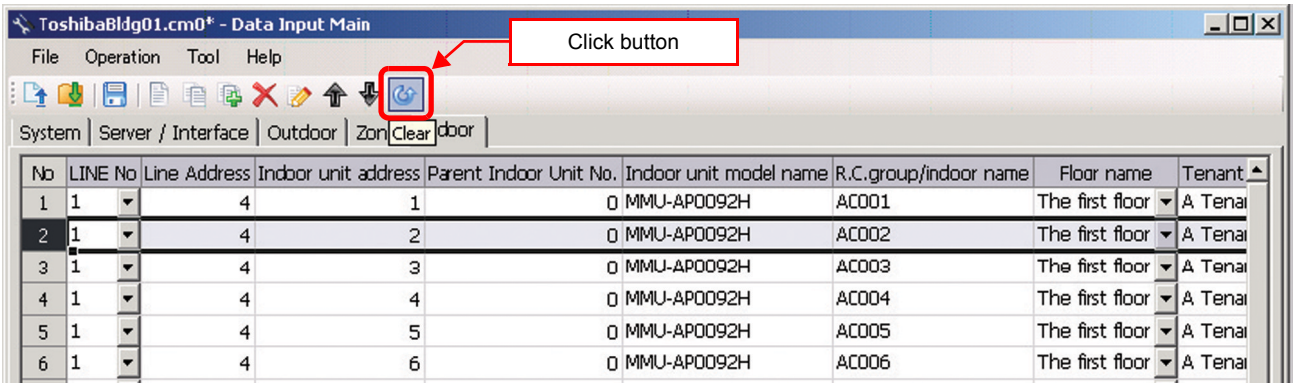


Fig.82 [Indoor Unit] tab (Clear button)

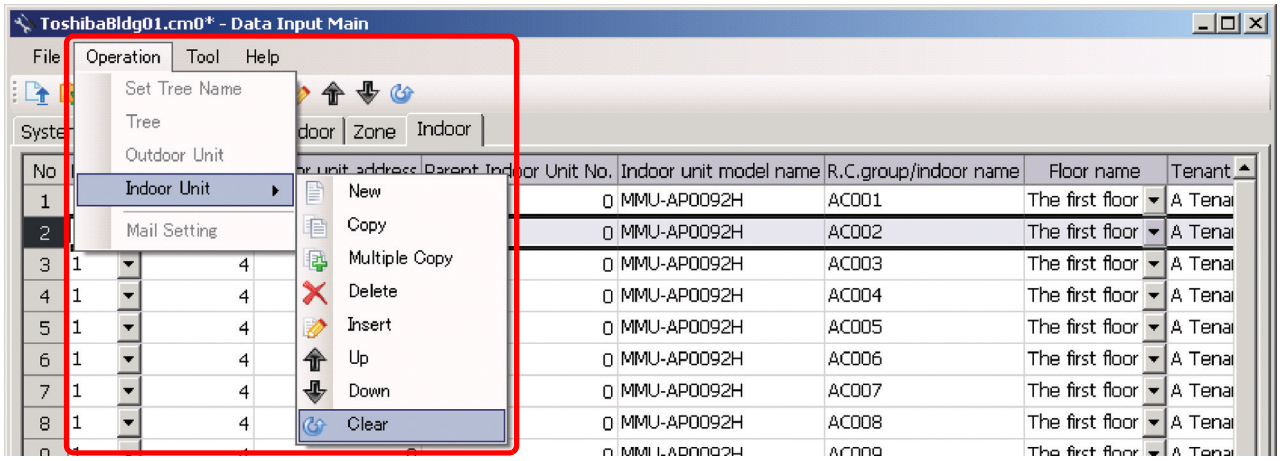
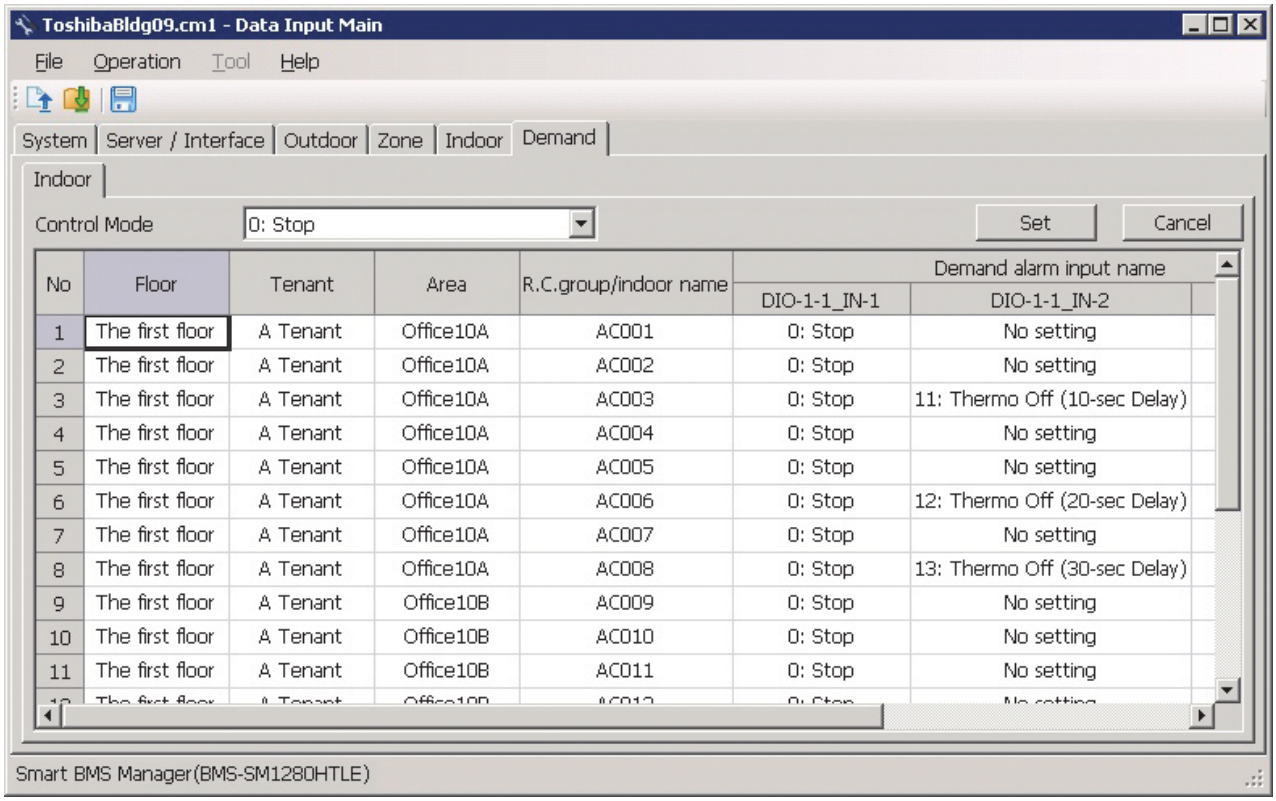


Fig.83 [Indoor Unit] tab (Clear menu)

EN

■ Setting up the demand alarm

Select the [Demand] tab, select a demand device, and set up the demand alarm.



No	Floor	Tenant	Area	R.C.group/indoor name	Demand alarm input name	
					DIO-1-1_IN-1	DIO-1-1_IN-2
1	The first floor	A Tenant	Office10A	AC001	0: Stop	No setting
2	The first floor	A Tenant	Office10A	AC002	0: Stop	No setting
3	The first floor	A Tenant	Office10A	AC003	0: Stop	11: Thermo Off (10-sec Delay)
4	The first floor	A Tenant	Office10A	AC004	0: Stop	No setting
5	The first floor	A Tenant	Office10A	AC005	0: Stop	No setting
6	The first floor	A Tenant	Office10A	AC006	0: Stop	12: Thermo Off (20-sec Delay)
7	The first floor	A Tenant	Office10A	AC007	0: Stop	No setting
8	The first floor	A Tenant	Office10A	AC008	0: Stop	13: Thermo Off (30-sec Delay)
9	The first floor	A Tenant	Office10B	AC009	0: Stop	No setting
10	The first floor	A Tenant	Office10B	AC010	0: Stop	No setting
11	The first floor	A Tenant	Office10B	AC011	0: Stop	No setting

Fig.84 [Demand] tab (Indoor)

■ Setting / canceling the demand alarm input

The information of the indoor units appears in the Demand list. Select an control mode of the demand alarm from the combo box.

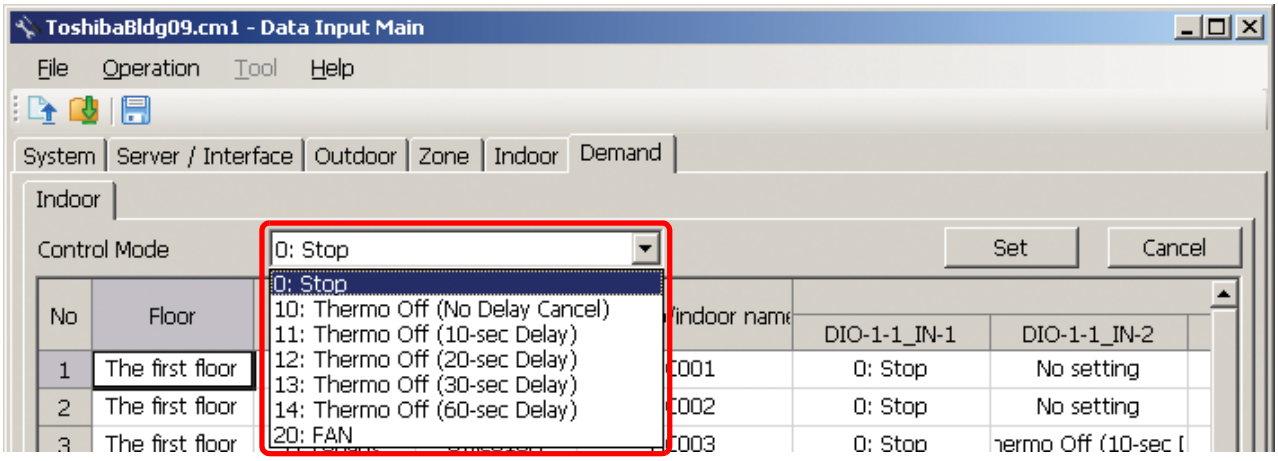


Fig.85 [Demand] tab (Control Mode selection)

Select one or more demand alarm input names.

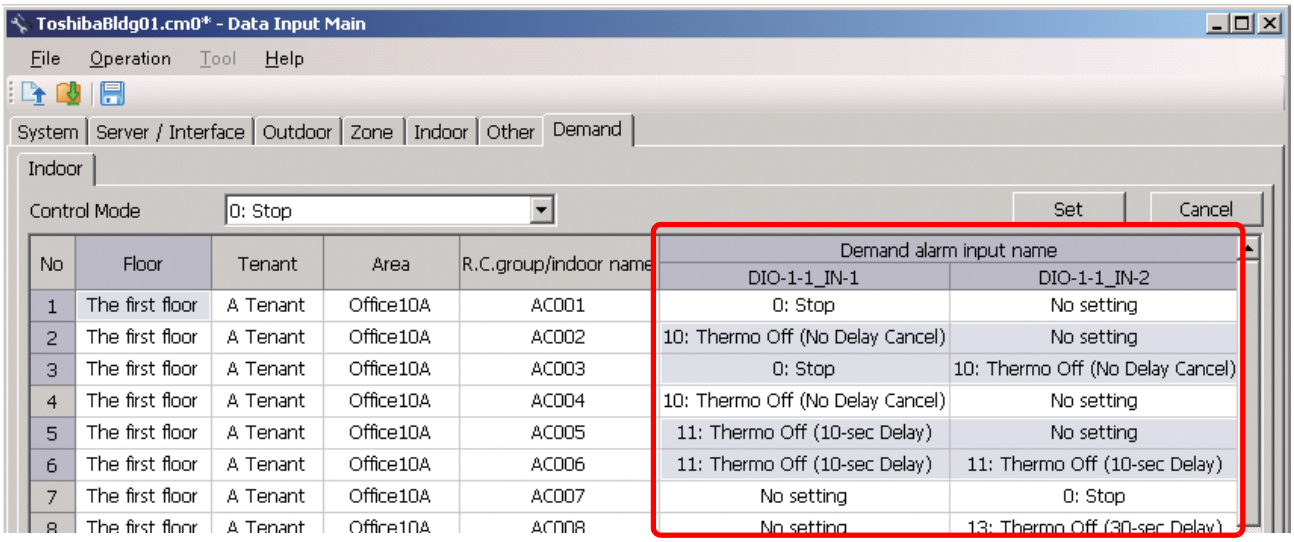


Fig.86 [Demand] tab (Demand Alarm input name selection)

EN

Clicking the [Set] button sets the selected demand alarm names to the selected input mode.

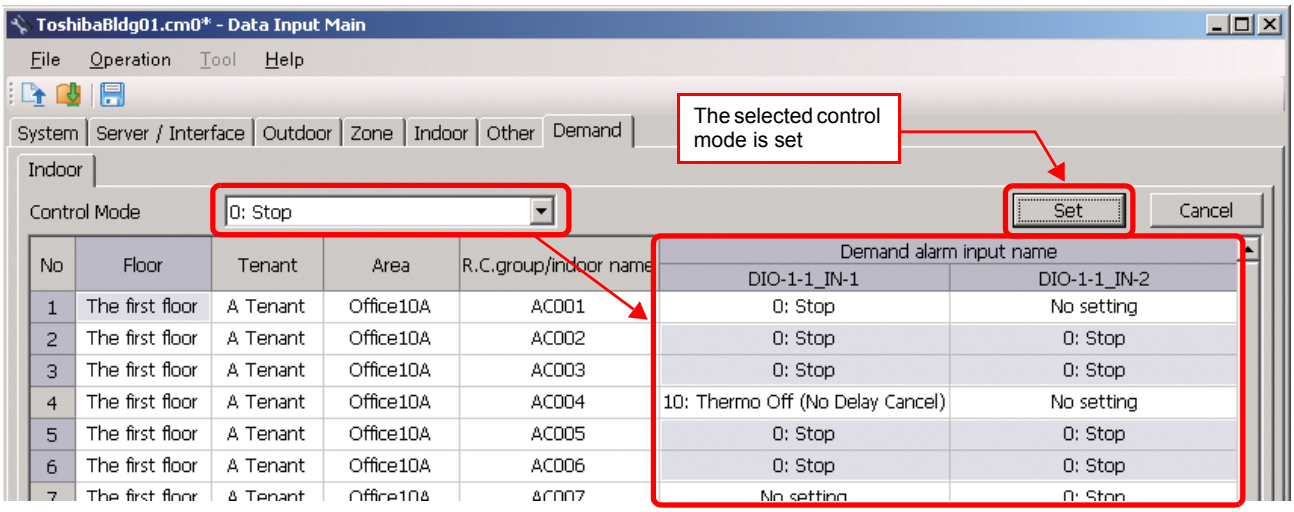


Fig.87 [Demand] tab (Set)

Clicking the [Cancel] button sets the selected demand alarm names to “No setting”.

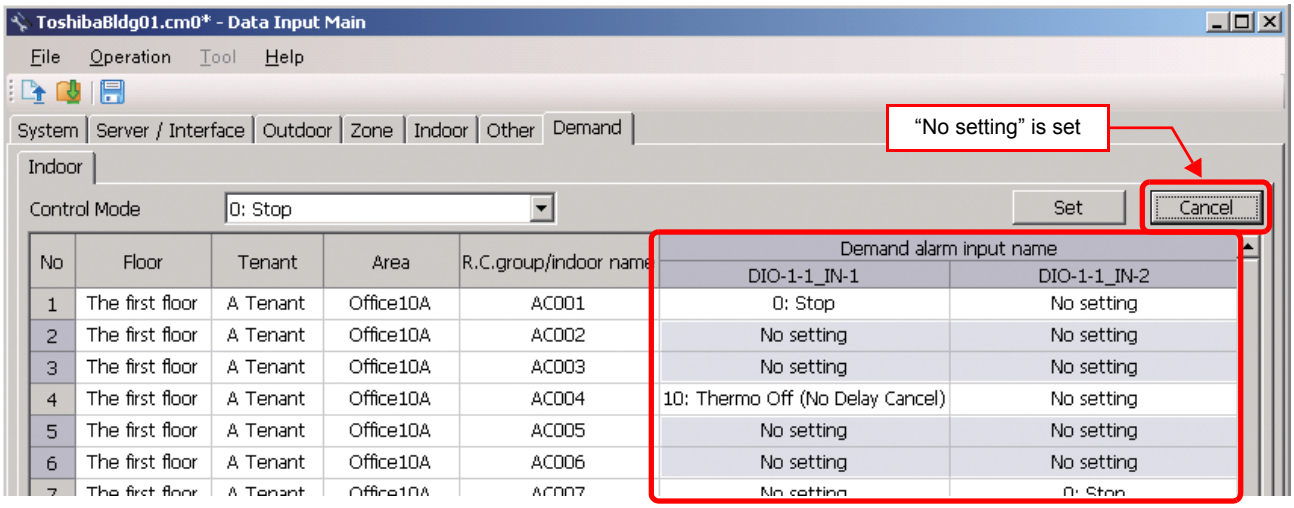


Fig.88 [Demand] tab (Cancel)

■ Saving created data to a file

Click the [Save] button, or select the [File] menu then [Save Setting File] or [Save Setting File As].

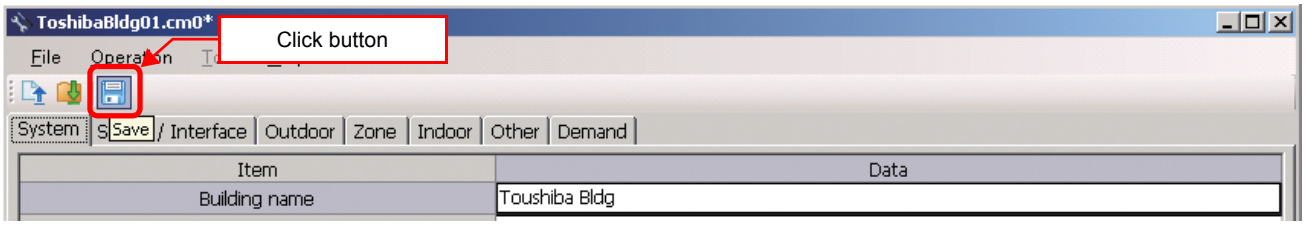


Fig.89 [Save] button

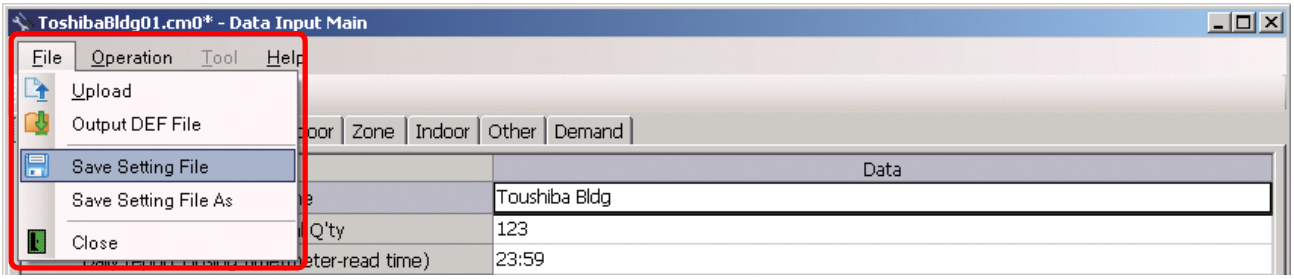


Fig.90 [Save Setting File] menu

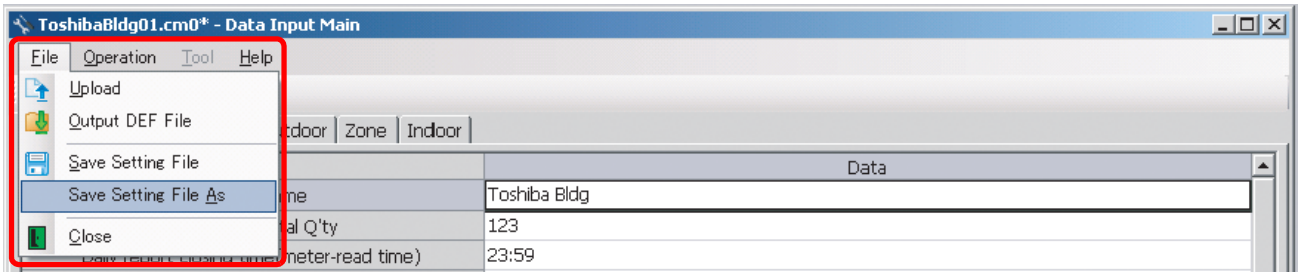


Fig.91 [Save Setting File As] menu

EN

When a new file is created or the menu [Save Setting File As] is selected, the [Save As] screen appears. Select a destination folder and enter a file name.

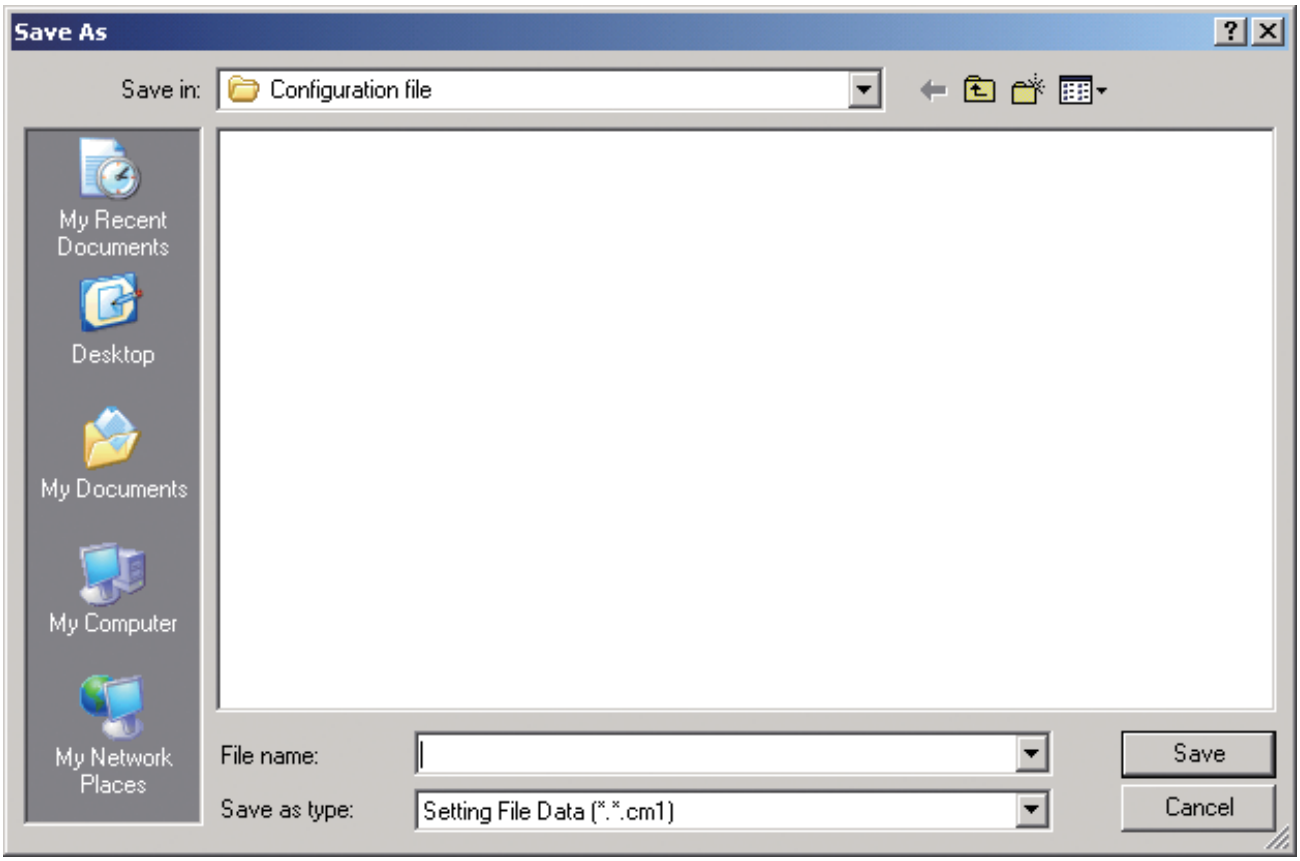


Fig.92 [Save As] screen

When the data is to be saved to an existing file, the overwrite confirmation dialog box appears. Click the OK button to overwrite the file. To cancel saving and return to the data input screen, click the Cancel button.

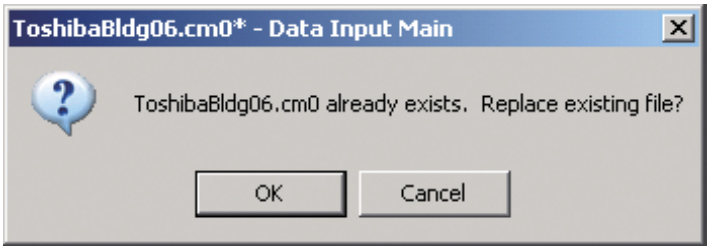


Fig.93 Overwrite confirmation dialog box

■ Outputting a DEF File

Click the [Output File] button, or select the [File] menu then [Output DEF File].

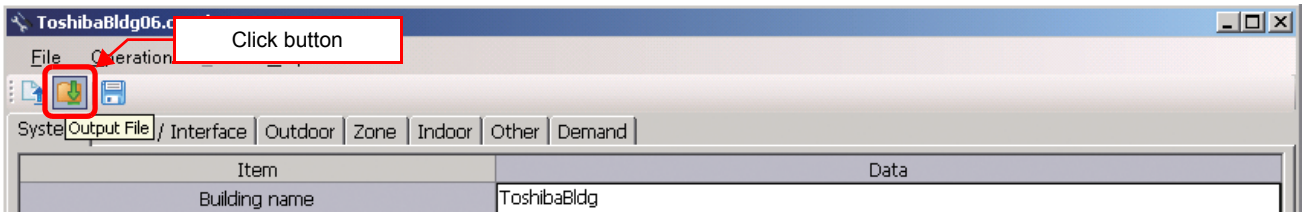


Fig.94 [Output File] button

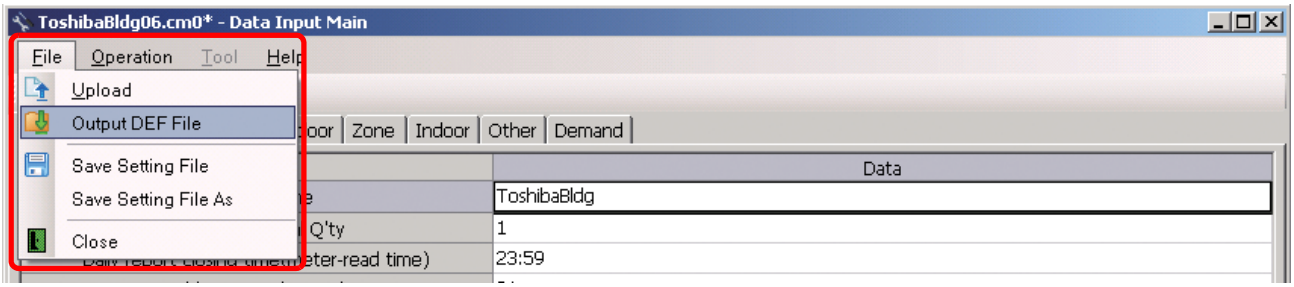


Fig.95 [Output DEF File] menu

The overwrite confirmation dialog box appears. Click the OK button to overwrite the file. To cancel saving and return to the data input screen, click the cancel button.

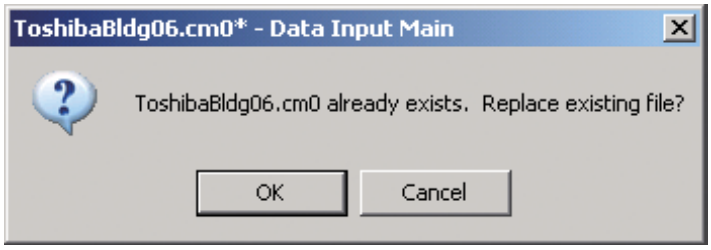


Fig.96 Overwrite confirmation dialog box

EN

The Browse For Folder screen appears. Select a destination folder to save the DEF file to.

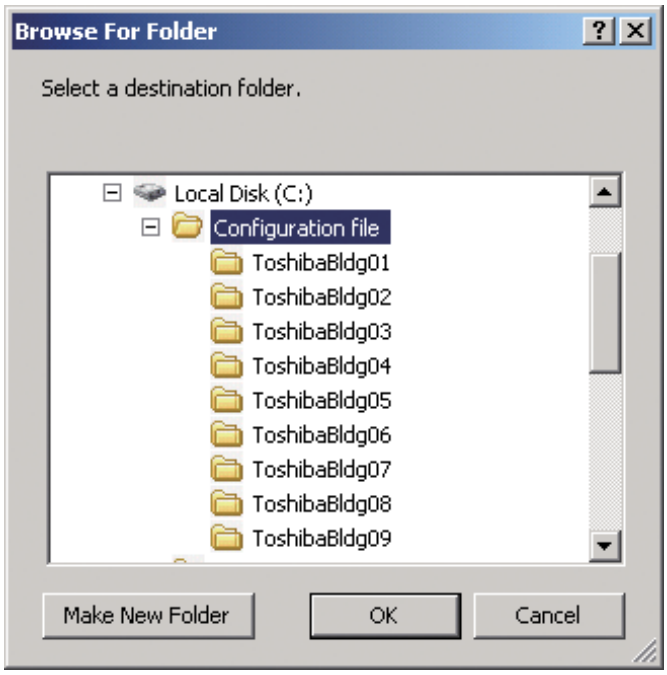


Fig.97 [Browse For Folder] screen

The entered data will be checked. If the data contains an error, the item and error message box appear. Modify the section containing the error.

Fig.98 Example of error message box

When the DEF file output is complete, a message appears. Select the “Start up the upload screen.” checkbox and click the OK button. The upload screen appears.

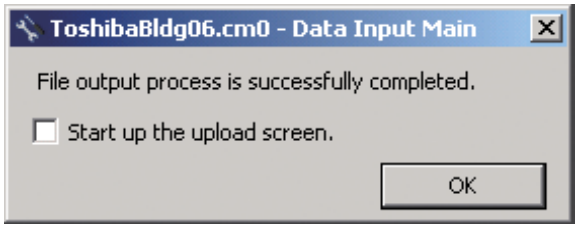


Fig.99 DEF file output complete dialog box

Deleting a File History

You can delete a selected history item or all the history items.

- Delete Selected History
- Delete All

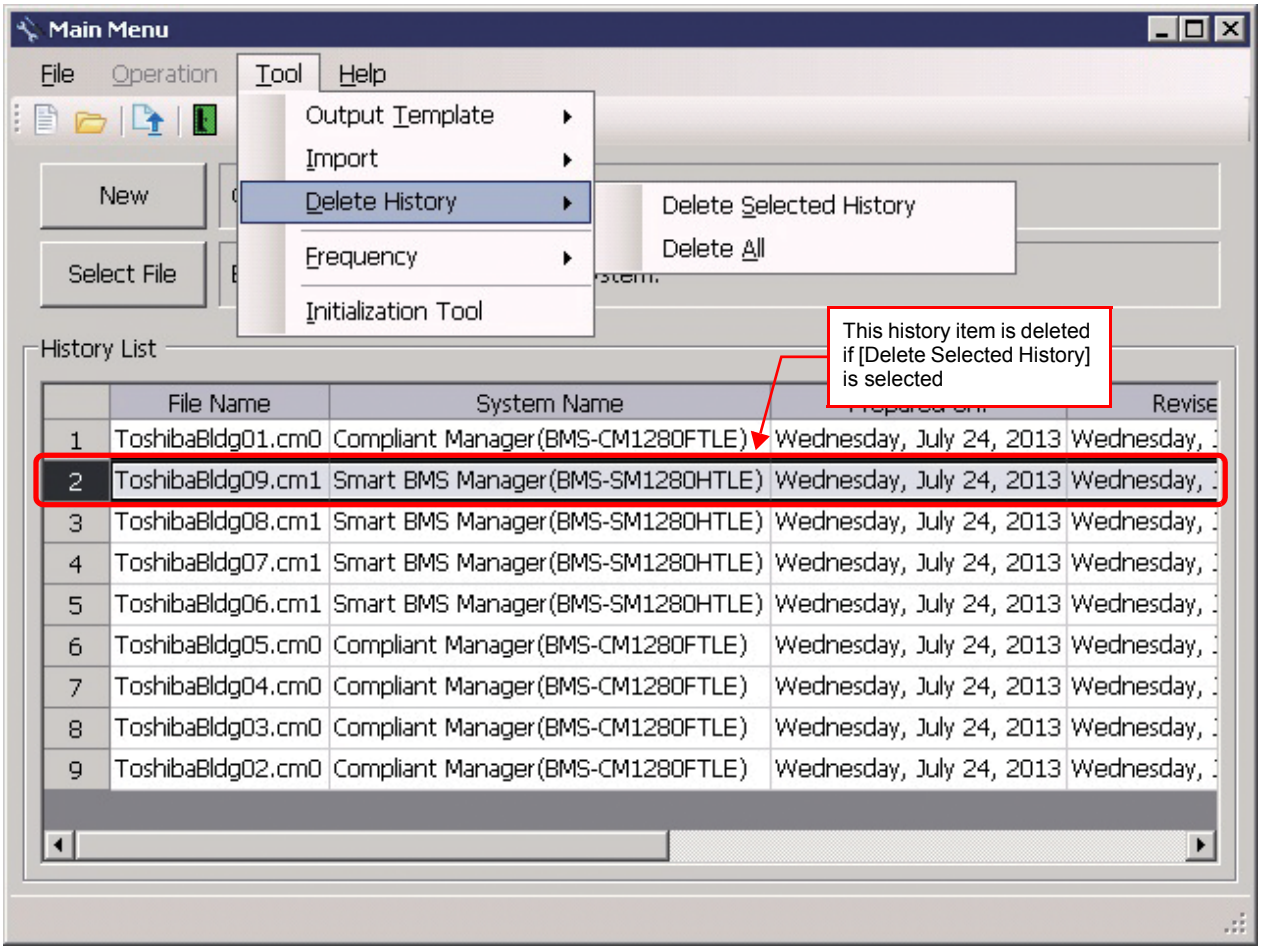


Fig.100 [Main Menu] screen (Delete History)

The deletion confirmation dialog box appears.
Click the OK button to delete. The history item will be deleted from the History List. To cancel deletion, click the Cancel button.

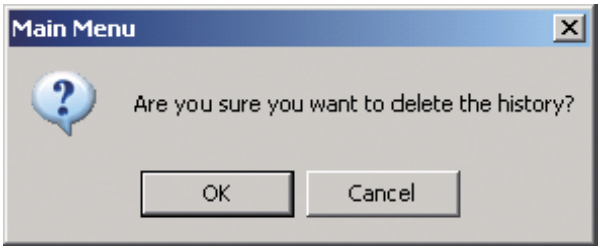


Fig.101 Deletion confirmation dialog box

EN

■ Uploading a setting file (DEF File)

Uploading a Setting File (DEF File)

Click the [Upload] button or select the [File] menu then [Upload] on the [Main Menu] screen (Fig.1) or [Data Input Main] screen (Fig.3). The Upload Settings screen (Fig.13) appears.

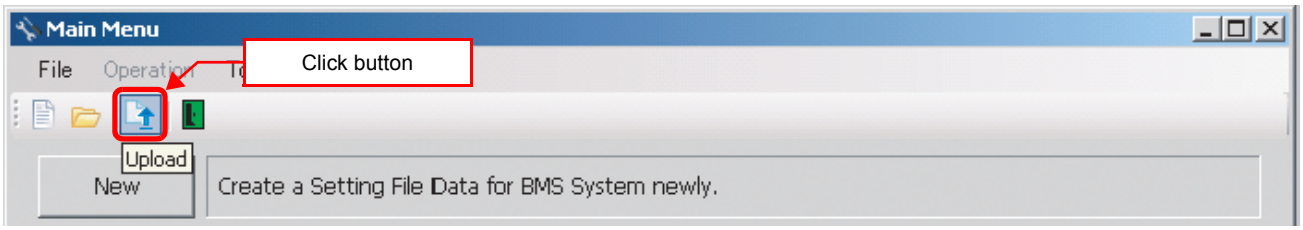


Fig.102 [Main Menu] screen (Upload button)

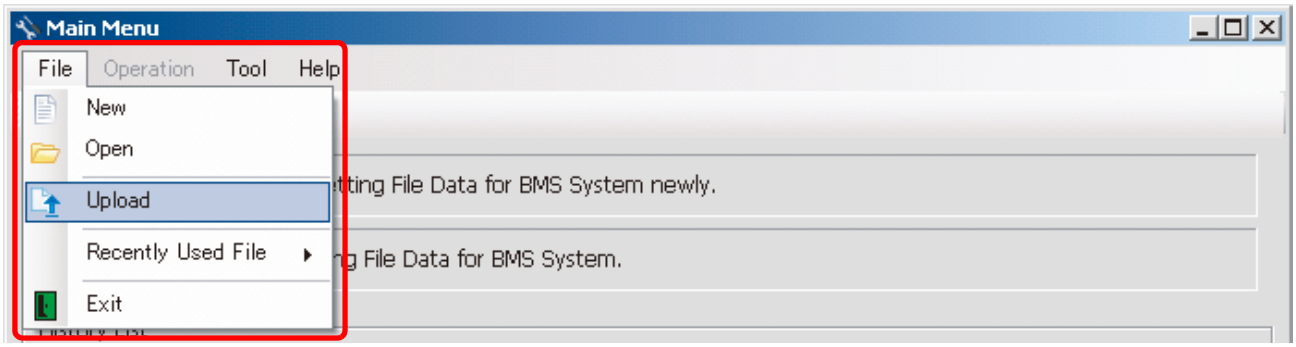


Fig.103 [Main Menu] screen (Upload menu)

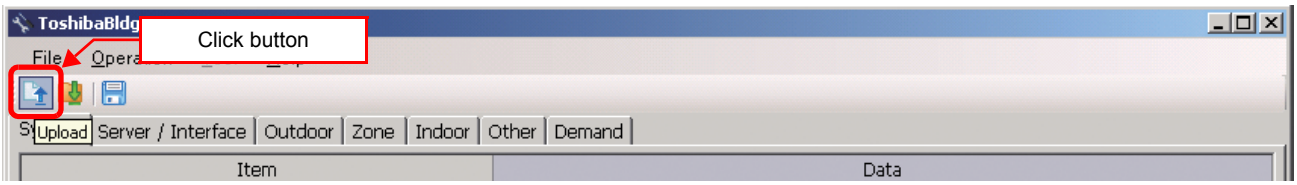


Fig.104 [Data Input Main] screen (Upload button)

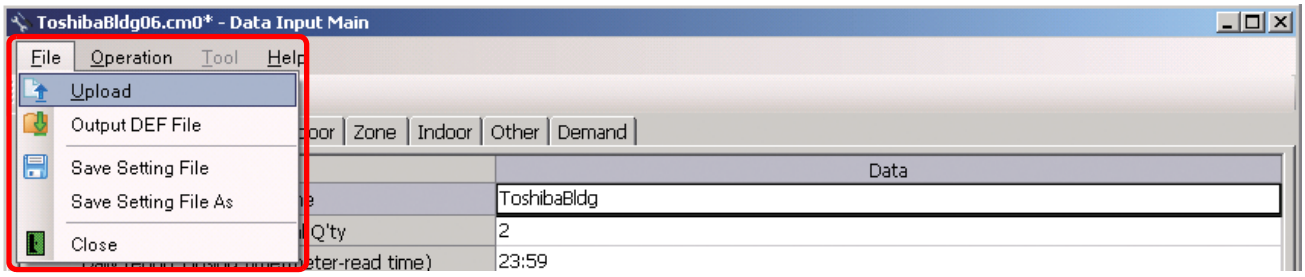


Fig.105 [Data Input Main] screen (Upload menu)

Specifying Setting File Data

Specify the setting file data to upload.

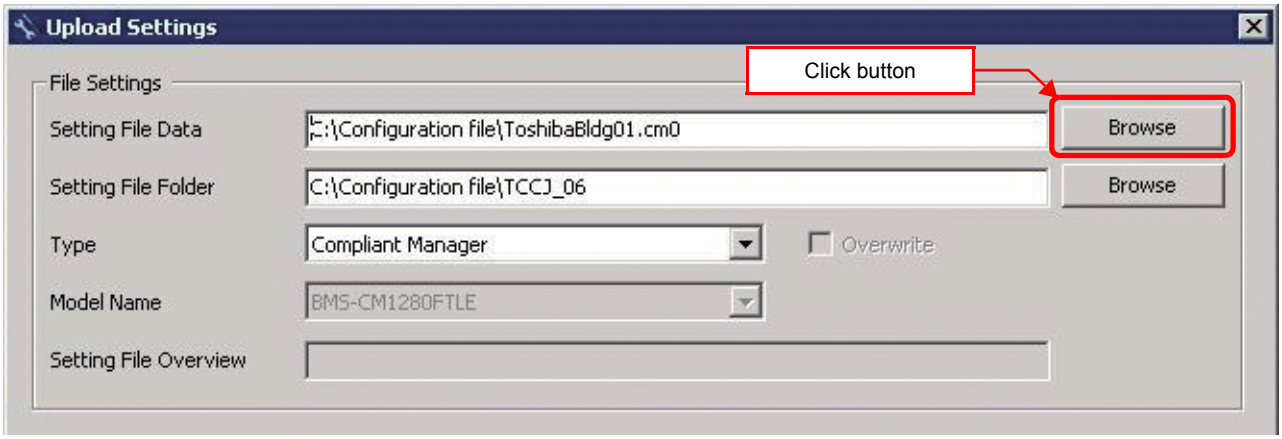


Fig.106 [Upload Settings] screen (Specify file directly)

Select a file on the Open screen.

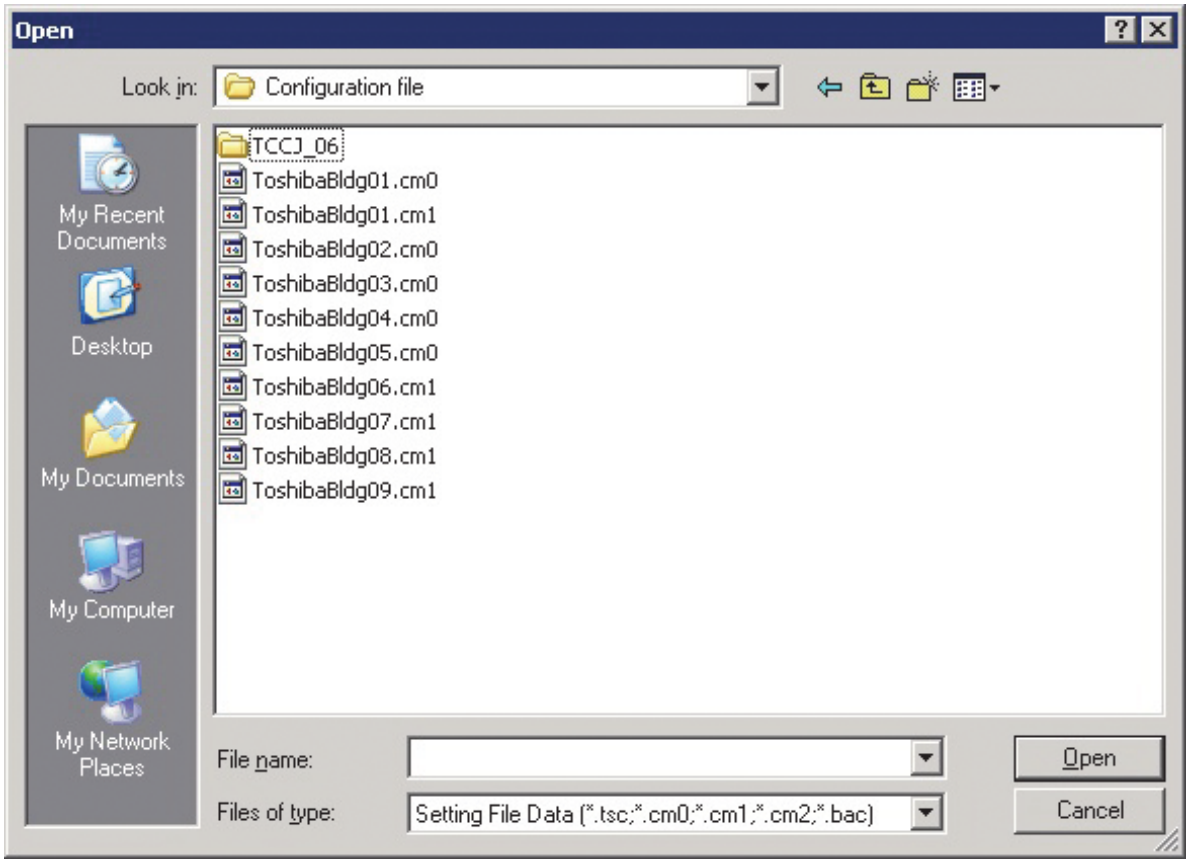


Fig.107 [Open] screen

EN

Specifying a Setting File Folder

Select a folder.
When setting file data is specified, the folder is automatically selected depending on the setting.

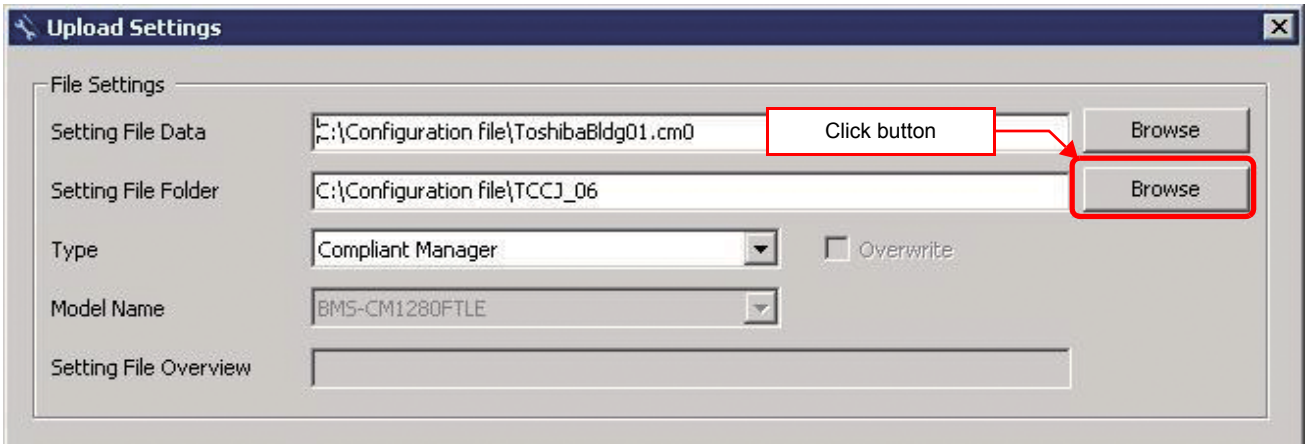


Fig.108 [Upload Settings] screen (Specify folder directly)

Select a folder containing the setting file on the Browse For Folder screen.

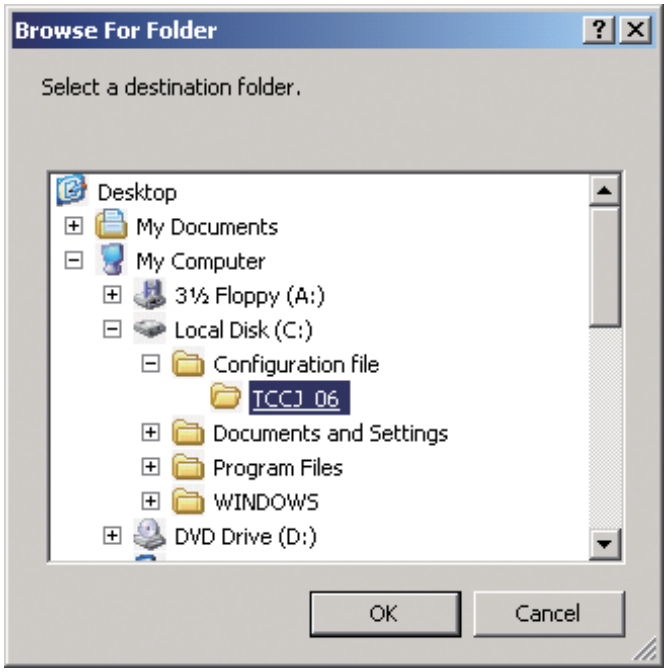


Fig.109 [Browse For Folder] screen

Specifying a Target System

Select a destination system to upload the file to.
When setting file data is specified, the system is automatically selected depending on the settings.

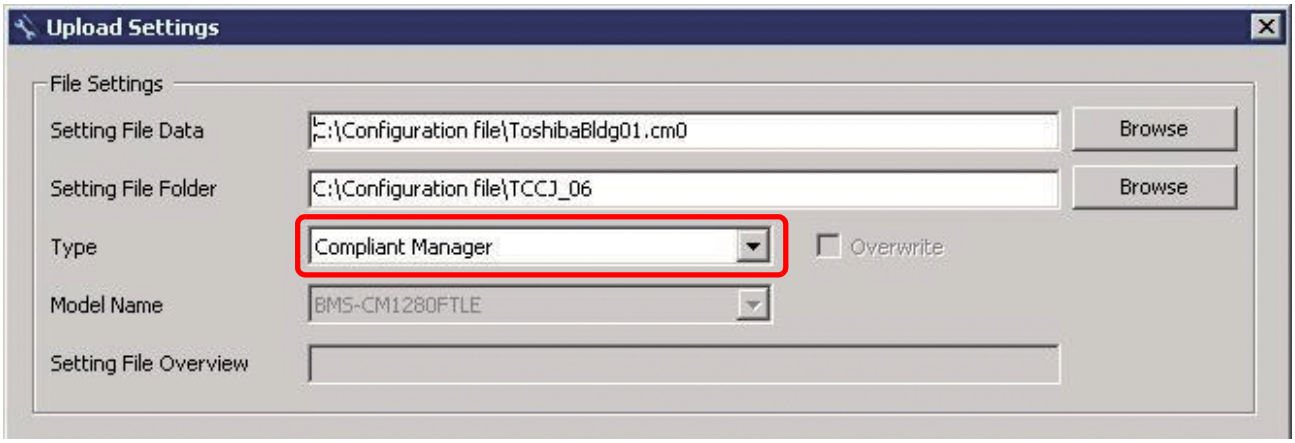


Fig.110 [Upload Settings] screen (Target System)

Specifying an IP Address

Specify the IP address of the destination system.
When setting file data is specified, the address automatically appears.

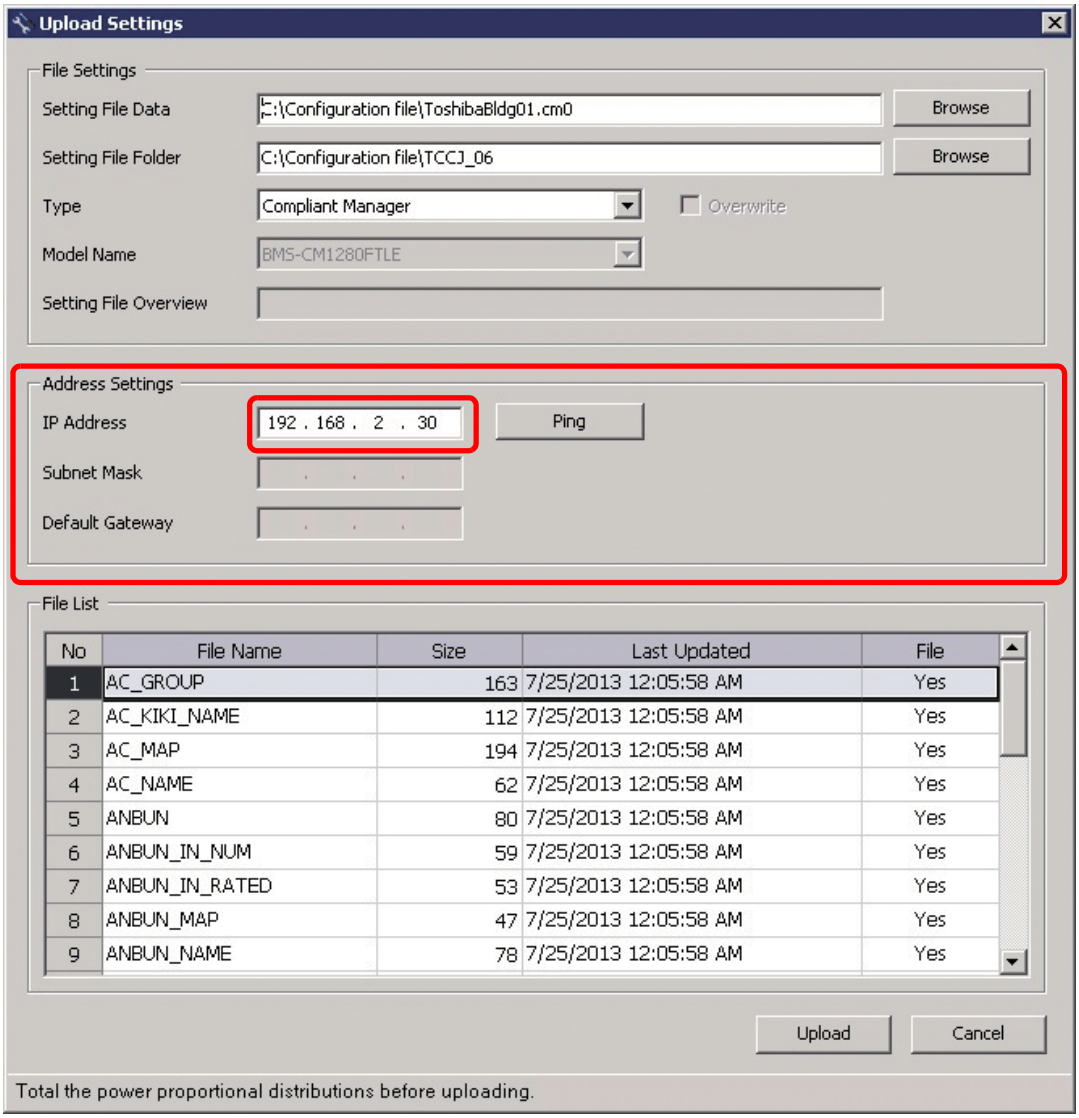


Fig.111 [Upload Settings] screen (IP Address)

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The following table shows the items in the File List:

Item	Content
File Name	Name of the file to upload
Size	Size of the file to upload
Last Updated	Last updated time of a file to upload
File	Shows whether a setting file exists in the specified folder Yes: Exists No: Does not exist

Starting the Upload

After the preparation (P59 to P62) has been completed, click the Upload button. The upload starts.

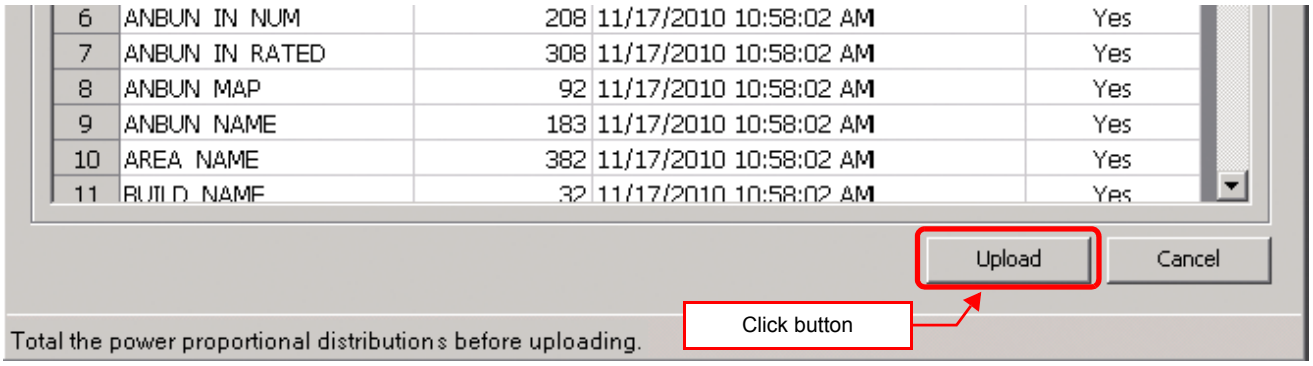

Fig.112 [Upload Settings] screen (Upload button)

The progress bar is displayed during the upload.

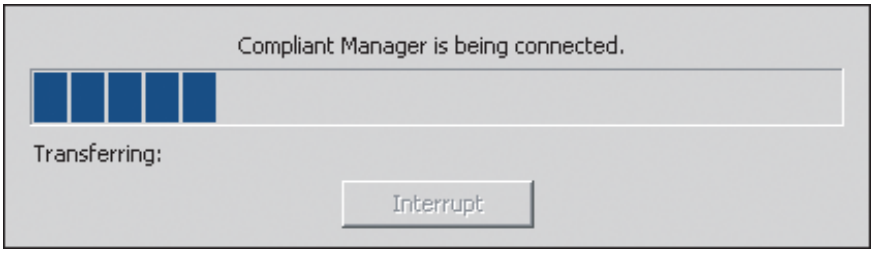

Fig.113 Progress bar

⚠ CAUTION

If Smart BMS Manager is shut down during upload, stored data may be damaged and the controller may not operate. Do not shut down the controller during upload.

■ System settings

System Tab

The following table shows the settings configured on the System tab:

Smart BMS Manager

Item	Content	Data type / range
Building name	Building name	Characters (Up to 20 bytes, Forbidden: > < ” & \n ; ,)
Built-in controller fire alarm channel	Built-in controller fire alarm channel is used	(Smart BMS Manager only) 0: N/A 1: Valid
Indoor unit total Q'ty	Number of indoor units	1 - 128
Daily report closing time	Time when the daily report is output	0:00 – 23:59
Monthly report closing date	Date when the monthly report is output	1 - 31
Lock Linkage Mode	Lock linkage mode pattern	0: Setting No.0 1: Setting No.1 2: Setting No.2 3: Setting No.3
Energy Monitoring	Whether the energy monitoring is used	0: void 1: Valid (Distribution by capacity demand)
Stand-by power counting	Select the distribution mode of outdoor heater capacity	1: Proportional sharing on indoor unit horse power codes. 2: Equal sharing on indoor units Q'ty 3: Distribution of power consumption except compressor warmer to tenants.
Words in error code definition file and zone name tags (Smart BMS Manager only)	Language of error codes and zone name tags	1: English 2: Chinese (Simplified) 4: Deutsch 5: Espanol 6: Francais 7: Italiano 8: Korean
Date display format (Smart BMS Manager only)	Display format of year / month / day	1: yyyy/mm/dd 2: dd/mm/yyyy 3: mm/dd/yyyy 4: yyyy.mm.dd 5: dd.mm.yyyy 6: mm.dd.yyyy 7: yyyy-mm-dd 8: dd-mm-yyyy 9: mm-dd-yyyy
Starting day of the week (Smart BMS Manager only)	Starting day of the week	1: Sunday 2: Monday
Temperature display: Interval	Unit of temperature interval	0: Unit 1°C. 1: Unit 0.5°C.
Temperature display: °C./°F.	Celsius / Fahrenheit	0: °C. 1: °F.
CONTACT Info.	Support information	Characters (Up to 38 bytes per line)

⚠ CAUTION

Fire alarm function that described in this manual can not be used with UL-approved system (Model: BMS-SM1281HTLUL).

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The following table shows the operations of Lock Linkage Mode:

Setting	Lock (OFF > ON)	Unlock (ON > OFF)
0: Setting No.0	Stop	No effect
1: Setting No.1	Stop	Release “Run – Stop” switch prohibition
2: Setting No.2	Stop + Prohibit “Run – Stop” switch	Release “Run – Stop” switch prohibition
3: Setting No.3	Stop	Run

Server Setting Tab

The following table shows the settings configured on the Server Setting tab:

Smart BMS Manager

Item	Content	Data type / range
IP Address	IP address of the Web server	Numeric value
Subnet Mask	Subnet mask of the Web server	Numeric value
Default Gateway	Gateway of the Web server	Numeric value
Digital I/O Relay Interface Q'ty	Number of digital I/O interfaces	0 - 4
Energy Monitoring Relay Interface Q'ty	Number of energy monitoring interfaces	0 - 4

Interface Address Tab

The following table shows the settings configured on the Interface Address tab:

Smart BMS Manager

Item	Content	Data type / range
Energy Monitoring Relay Interface		
Address Data	Interface number	1 - 4
Digital I/O Relay Interface		
Address Data	Interface number	1 - 4

Interface Setting Tab

The following table shows the settings configured on the Interface Setting tab:

Smart BMS Manager

Item	Content	Data type / range
Energy Monitoring Relay Interface		
I/O Function	Select the I/O function	0: No setting 4: Power Meter Signal Input
Pulse constants (kWh / pulse)	Set the pulse constants	0.1 – 99.9
Digital I/O Relay Interface		
I/O Function (Smart BMS Manager only)	Select the I/O function	0: No setting 2: Door Lock Input 5: Demand
Signal logic	Select the signal logic	0: negative logic 1: positive logic

Outdoor Tab

The following table shows the settings configured on the Outdoor tab:

Smart BMS Manager

Item	Content	Data type / range
LINE No	Select the line No. address	1 - 2
Line address	Refrigerant line number	1 - 32
Outdoor unit combination model name	Select the outdoor unit models	
Outdoor unit model name	Select the outdoor unit models	
Outdoor name	Enter the line name	Characters
Outdoor unit address	Unit number	
Power meter input name	Select the input name for energy monitoring	No setting WHE-1-1_1 - WHE-1-4_8

EN

Zone Tab

The following table shows the settings configured on the Zone tab:

Smart BMS Manager

Item	Content	Data type / range
Name	Zone name	Characters (Up to 20 bytes for Floor / Area, Up to 40 bytes for Tenant, Up to 100 bytes for Monthly report tenant Forbidden: > < ” & \n ; ,)
Tally Classifications	Select the tally classification	0: N/A 1: Common use area 2: Tenant Monthly report tenant only
Monthly report tenant name	Select the monthly report tenant name	None Monthly report tenant name list Tenant only

Indoor Tab

The following table shows the settings configured on the Indoor tab:

Smart BMS Manager

Item	Content	Data type / range
LINE No	Select the line No. address	1 - 2
Line Address	Refrigerant line number	1 - 32
Indoor unit address	Unit number	1 - 64
Parent Indoor Unit No.	Number to distinguish parent and child	0: Parent 1 – 128: Child
Indoor unit model name	Select from indoor unit models	
R.C.group / indoor name	Enter the line name	Characters (Up to 20 bytes, Forbidden: > < ” & \n ; ,)
Floor name	Select the floor	No setting Floor name list
Tenant name	Select the tenant	No setting Tenant name list
Area name	Select the area	No setting Area name list
Door-lock input name	Select the input name for lock linkage	No setting DIO-1-1_IN-1 - DIO-1-4_IN-8
Power meter input name	Select the input name for energy monitoring	No setting WHE-1-1_1 - WHE-1-4_8
General purpose interface Energy Coefficient (kWh)	General purpose Interface energy coefficient	Can be entered
Air Conditioner No.	Air-conditioner number	1 - 128

Demand Tab

The following table shows the settings configured on the Demand tab:

Smart BMS Manager

Item	Content	Data type / range
Indoor		
Control Mode	Indoor demand alarm setting	0: Stop 10: Thermo Off (No Delay Cancel) 11: Thermo Off (10-sec Delay) 12: Thermo Off (20-sec Delay) 13: Thermo Off (30-sec Delay) 14: Thermo Off (60-sec Delay) 20: FAN

Set Tree Name Screen

The following table shows the settings configured on the Set Tree Name screen:

Smart BMS Manager

Item	Content	Data type / range
Zone 1 name	Zone name - Floor	Characters (Up to 30 bytes, Forbidden: > < ” & \n ; ,)
Zone 2 name	Zone name - Tenant	Characters (Up to 30 bytes, Forbidden: > < ” & \n ; ,)
Zone 3 name	Zone name - Area	Characters (Up to 30 bytes, Forbidden: > < ” & \n ; ,)

7 Initialization tool

■ Initialization tool

The Initialization Tool resets the air-conditioner setting file data stored on the Smart BMS Manager, such as the schedule data, alarm history data, and daily / monthly report data, to the factory default.
The tool contains the Restore function, which restores using data backed up with Data Download Software or backed up during initialization.

⚠ CAUTION

Perform “System Initialization” before restoring. Otherwise, the Monthly Report Creation Software may not work correctly.

■ Starting / exiting the initialization tool

Starting the Initialization Tool

Use the menu of the Setting File Creation Software for North America or Windows menu to start the Initialization Tool.

Menu of the Setting File Creation Software for North America

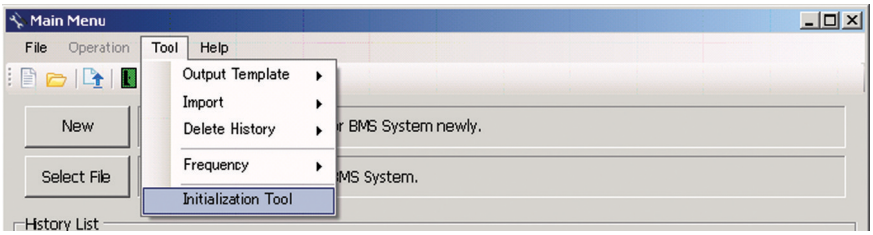


Fig.114 [Main Menu] screen (Initialization Tool)

Windows menu

Select [Start] > [All Programs] > [Toshiba] > [Setting File Creation Software for North America] > [Initialization Tool].

Exiting the Initialization Tool

Click the [Close] button, the Exit button, or select the [File] menu then [Exit].

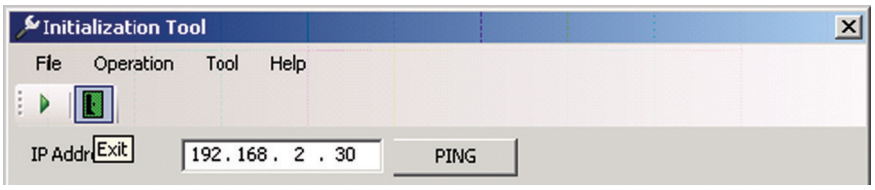


Fig.115 [Main Menu] screen (Close button / Exit button)

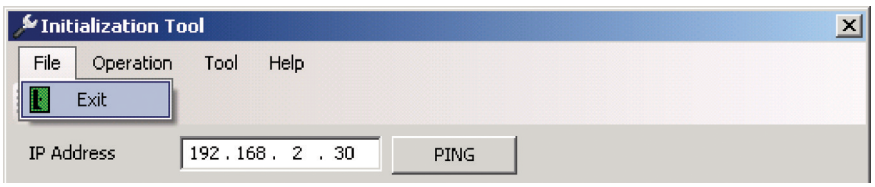


Fig.116 [Main Menu] screen (Exit menu)

The exit confirmation dialog box appears.
Click [Yes] to exit, or [No] to cancel exiting.

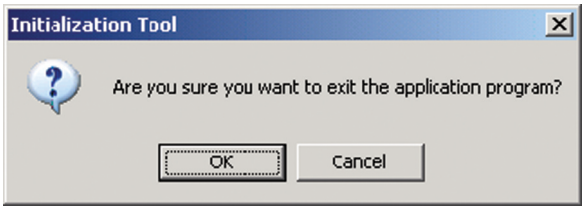


Fig.117 Exit confirmation dialog box

EN

■ Initializing data in a target system

Stored daily / monthly report files are deleted from the target system if a setting file is initialized or specific data (Report data files) is deleted.
Before performing this function, save registered power distribution data with Data Download Software.

Initializing a Setting File

When a setting file is initialized, the schedule data, alarm history, and daily / monthly report files will be deleted in addition to the setting file.

Follow the procedure below:

1 **Specify an IP address.**

2 **Select the target system.**

3 **Select [Initialize Setting Files].**

4 **Specify a backup folder. (Fig.119)**
A backup folder can be specified before initializing a setting file. If you do not specify a backup folder, the data will be backed up to “C:\Documents and Settings\All Users\Application Data\Toshiba Carrier Corporation\Initialization Tool\backup” in Windows XP, or “C:\Program Data\Toshiba Carrier Corporation\Initialization Tool\backup” in Windows Vista/7. This folder is a hidden folder. To show the folder, you need to change the “Folder Options” settings.

5 **Use the PING command to check the connection to the target system.**

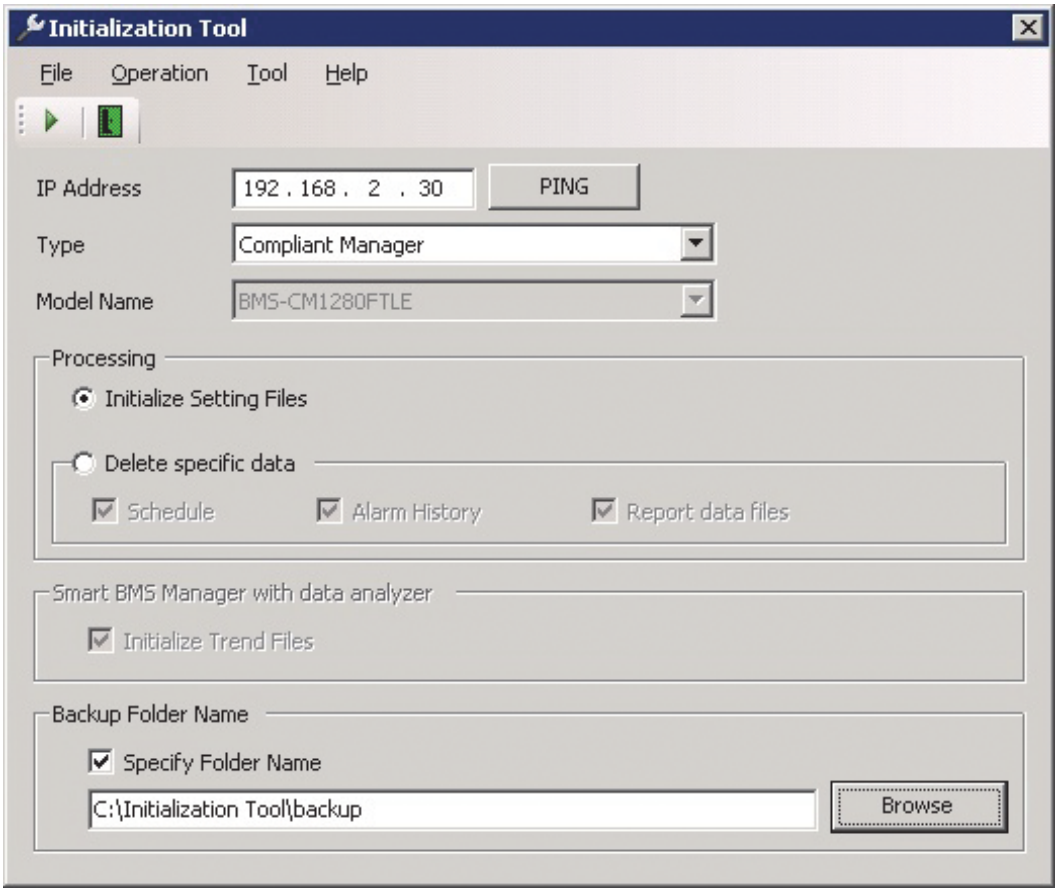


Fig.118 [Initialization Tool] screen

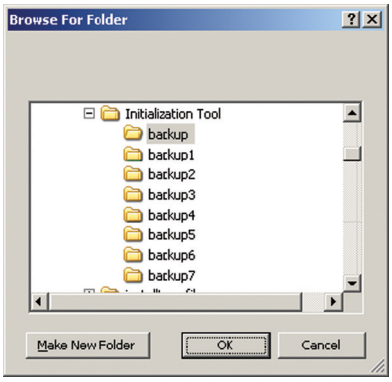


Fig.119 [Browse For Folder] screen

6 **Click the [Execute] button, or select the [Operation] menu then [Execute].**

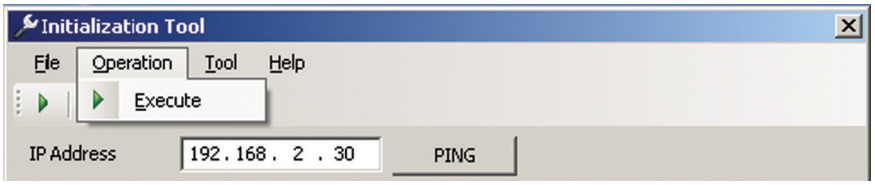


Fig.120 [Initialization Tool] screen (Execute button / Execute menu)

7 **Read the displayed warning message, and select the [Understand these warning messages and then perform the processing] checkbox.**

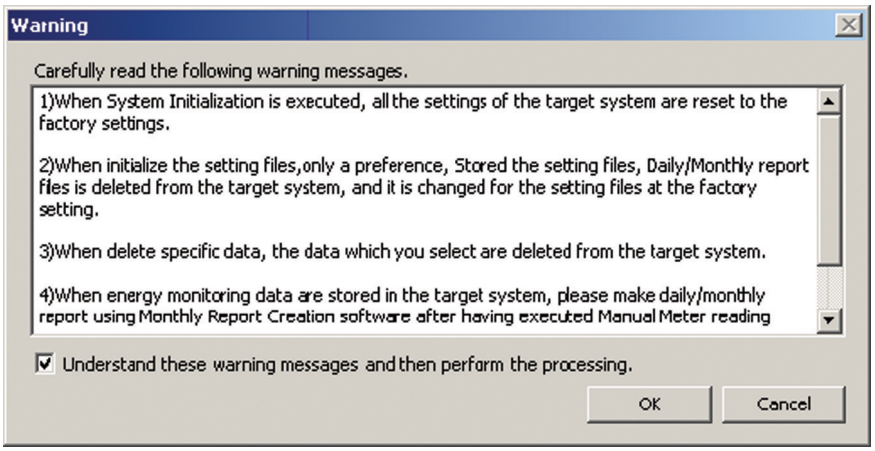


Fig.121 [Warning] screen

8 **Click the [OK] button.**
The initialization starts, and the progress bar appears.

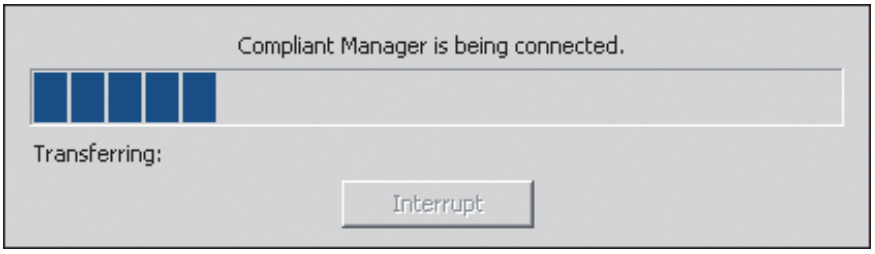


Fig.122 Progress bar

EN

9 **If the initialization is completed successfully, the completion dialog box appears.**

10 **Restart the target system.**
Press the reset button, or turn off the power and turn it back on again. When the power is turned off, wait until over a minute passes before turning it back on.

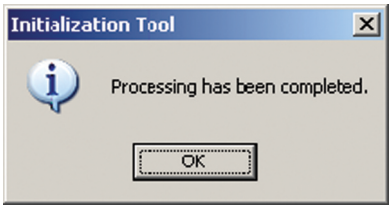


Fig.123 Completion dialog box

Deleting Specific Data

Follow the procedure below:

1 **Specify an IP address.**

2 **Select the target system.**

3 **Select [Delete specific Data].**

4 **Select data to delete.**
[Schedule], [Alarm History], and [Report data files] can be selected. All the schedules of execution, master, and charges will be deleted.

5 **Specify a backup folder. (Fig.125)**
A backup folder can be specified before initializing a setting file. If you do not specify a backup folder, the data will be backed up to “C:\Documents and Settings\All Users\Application Data\Toshiba Carrier Corporation\Initialization Tool\backup” in Windows XP, or “C:\Program Data\Toshiba Carrier Corporation\Initialization Tool\backup” in Windows Vista/7. This folder is a hidden folder. To show the folder, you need to change the “Folder Options” settings.

6 Use the PING command to check the connection to the target system.

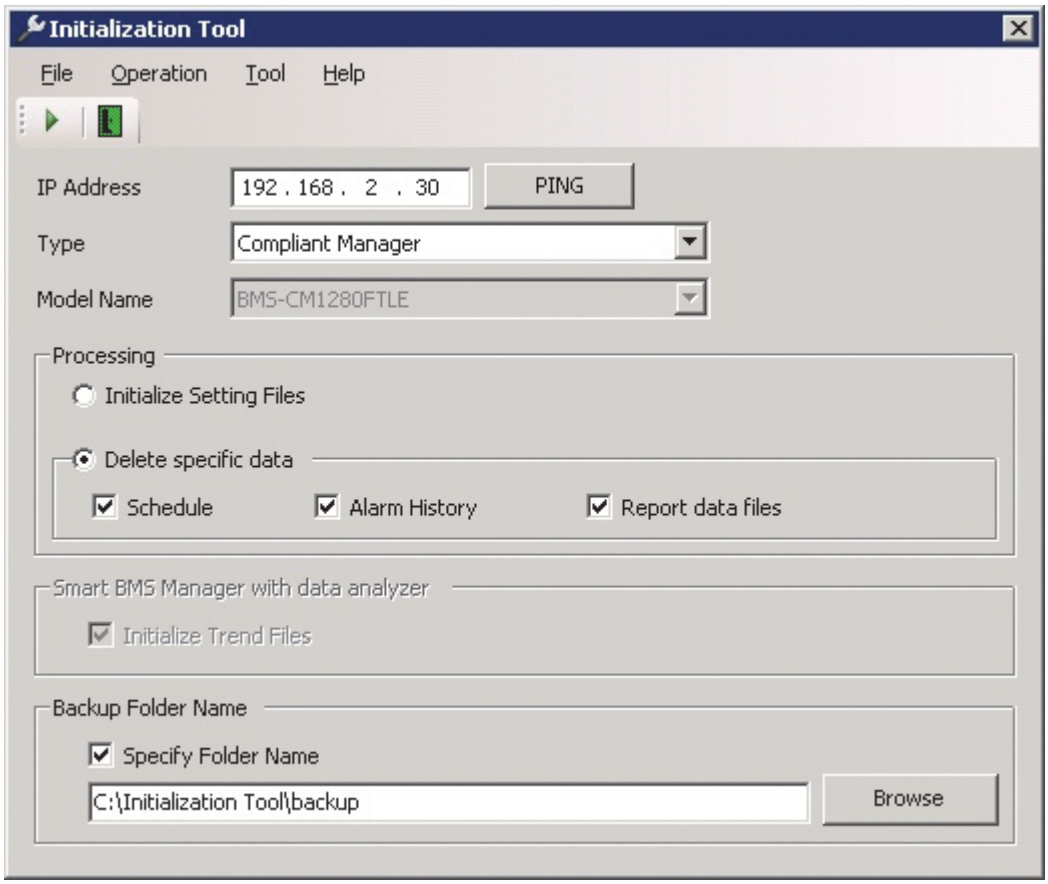


Fig.124 [Initialization Tool] screen

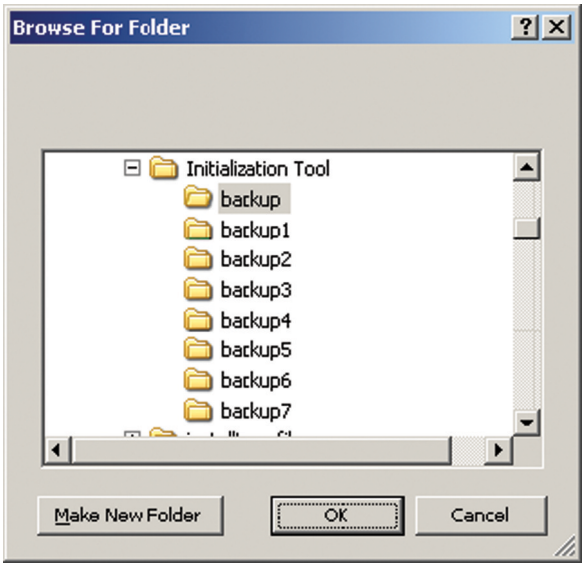


Fig.125 [Browse For Folder] screen

EN

7 **Click the [Execute] button, or select the [Operation] menu then [Execute].**

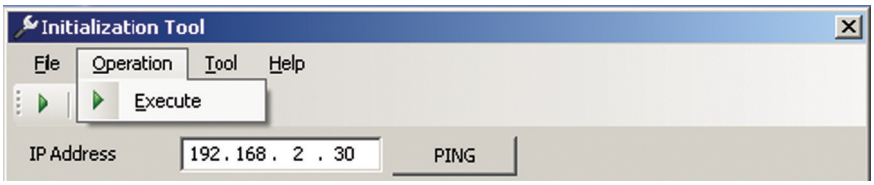


Fig.126 [Initialization Tool] screen (Execute button / Execute menu)

8 **Read the displayed warning message, and select the [Understand these warning messages and then perform the processing] checkbox.**

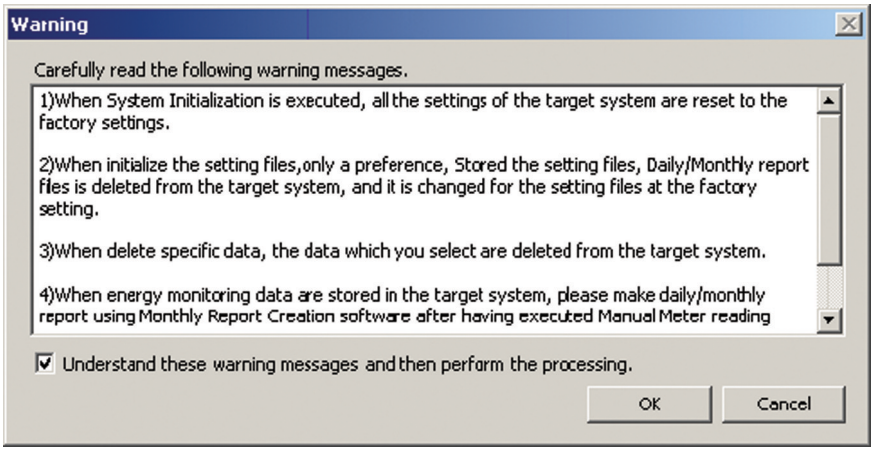


Fig.127 [Warning] screen

9 **Click the [OK] button.**
The initialization starts, and the progress bar appears.

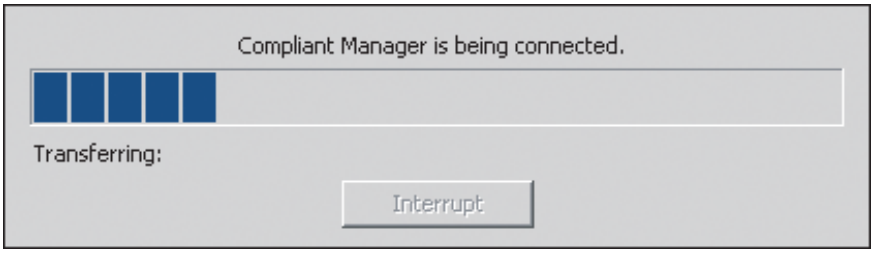


Fig.128 Progress bar

10 **If the initialization is completed successfully, the completion dialog box appears.**

11 **Restart the target system.**
Press the reset button, or turn off the power and turn it back on again. When the power is turned off, wait until over a minute passes before turning it back on.

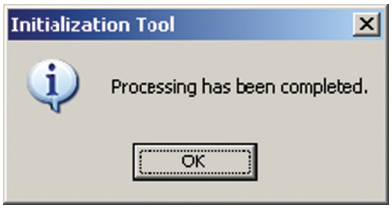


Fig.129 Completion dialog box

■ Initializing a system

You can reset a target system to its default settings. All data in the system will be deleted.

Follow the procedure below:

1 **Specify an IP address.**

2 **Select the target system.**

3 **Specify a backup folder. (Fig.131)**
A backup folder can be specified before initializing a setting file. If you do not specify a backup folder, the data will be backed up to “C:\Documents and Settings\All Users\Application Data\Toshiba Carrier Corporation\Initialization Tool\backup” in Windows XP, or “C:\Program Data\Toshiba Carrier Corporation\Initialization Tool\backup” in Windows Vista/7. This folder is a hidden folder. To show the folder, you need to change the “Folder Options” settings.

4 **Use the PING command to check the connection to the target system.**

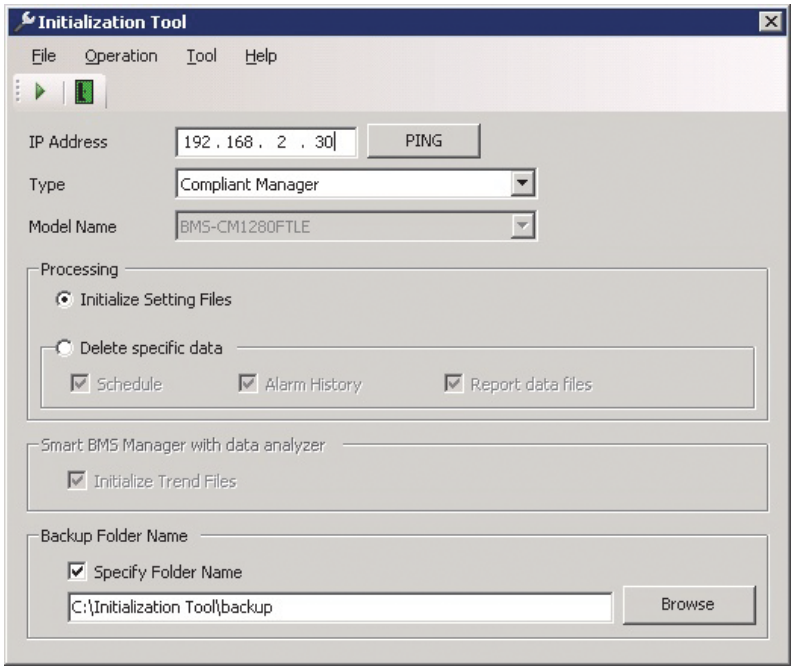


Fig.130 [Initialization Tool] screen

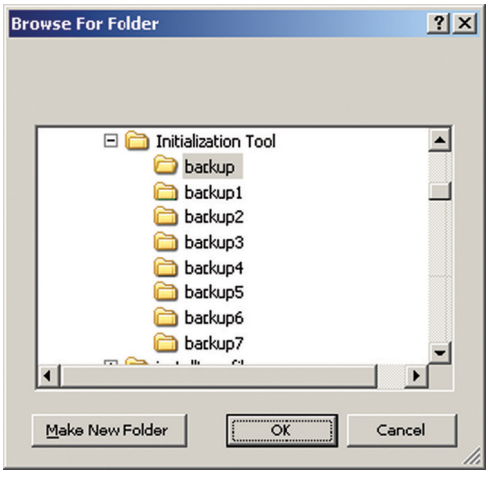


Fig.131 [Browse For Folder] screen

EN

5 **Select the [Tool] menu then [System Initialization].**

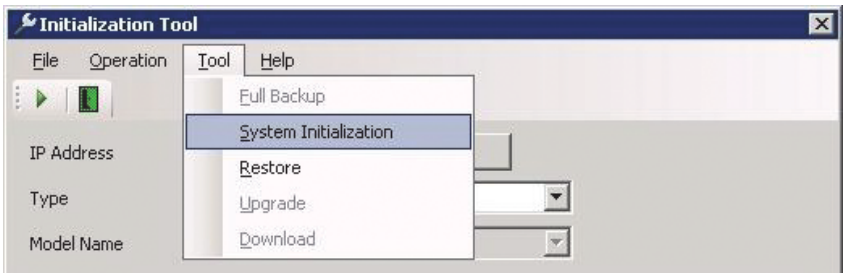


Fig.132 [Initialization Tool] screen (System Initialization menu)

6 **Read the displayed warning message, and select the [Understand these warning messages and then perform the processing] checkbox.**

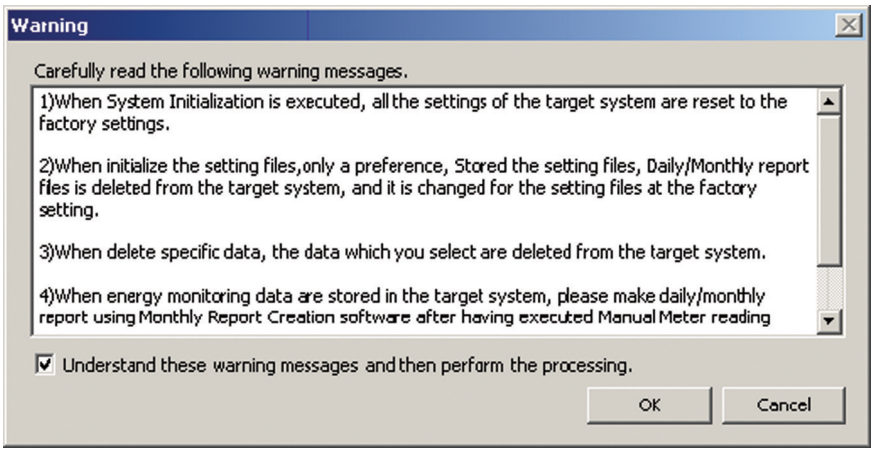


Fig.133 [Warning] screen

7 **Click the [OK] button.**
The initialization starts, and the progress bar appears.

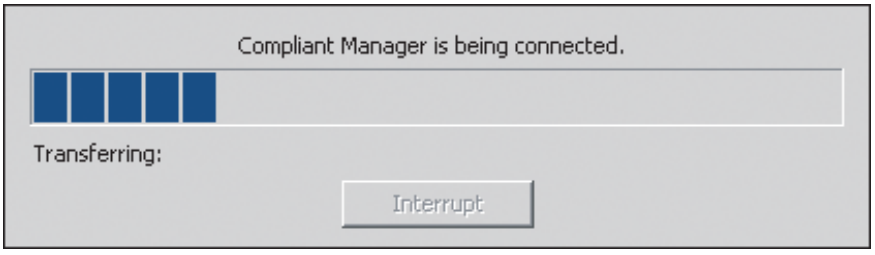


Fig.134 Progress bar

8 **If the initialization is completed successfully, the completion dialog box appears.**

9 **Restart the target system.**
Press the reset button, or turn off the power and turn it back on again. When the power is turned off, wait until over a minute passes before turning it back on.

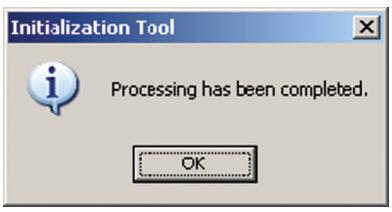


Fig.135 Completion dialog box

■ Restoring data

You can restore data in a target system from backup using data automatically backed up with Initialization Tool or Data Download Software.
Note that all current data in the system will be deleted.
Perform “System Initialization” before restoring. Otherwise, the Monthly Report Creation Software may not work correctly.

Follow the procedure below:

1 **Specify an IP address.**

2 **Select the target system.**

3 **Specify a backup folder. (Fig.137)**
A backup folder can be specified before restoring data. If you do not specify a backup folder, the data will be backed up to “C:\Documents and Settings\All Users\Application Data\Toshiba Carrier Corporation\Initialization Tool\backup” in Windows XP, or “C:\Program Data\Toshiba Carrier Corporation\Initialization Tool\backup” in Windows Vista/7. This folder is a hidden folder. To show the folder, you need to change the “Folder Options” settings.

4 **Use the PING command to check the connection to the target system.**

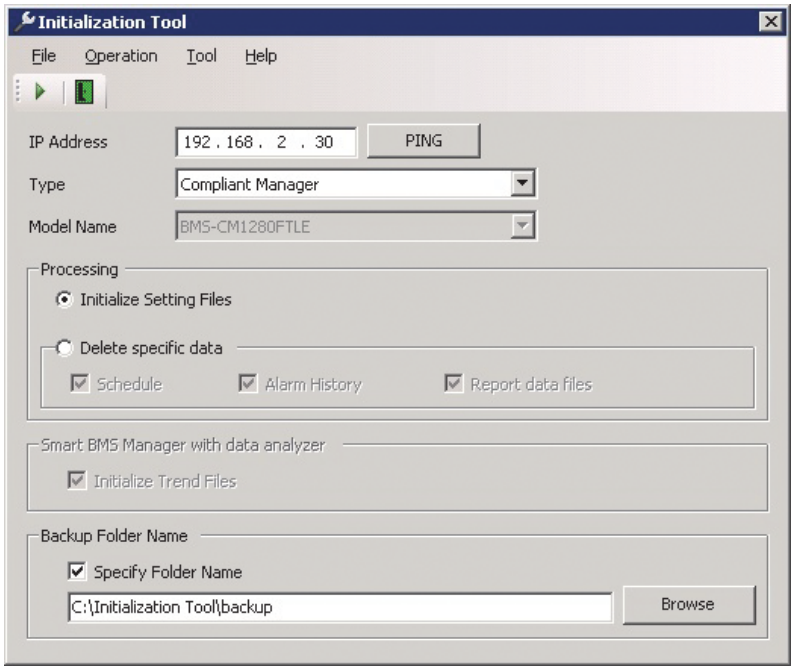


Fig.136 [Initialization Tool] screen

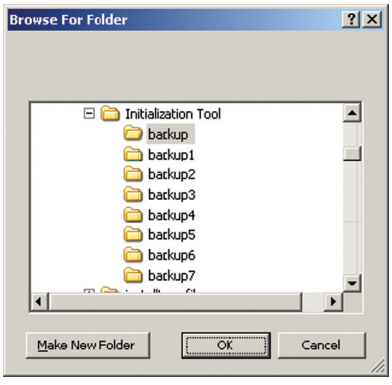


Fig.137 [Browse For Folder] screen

EN

5 **Select the [Tool] menu then [Restore].**

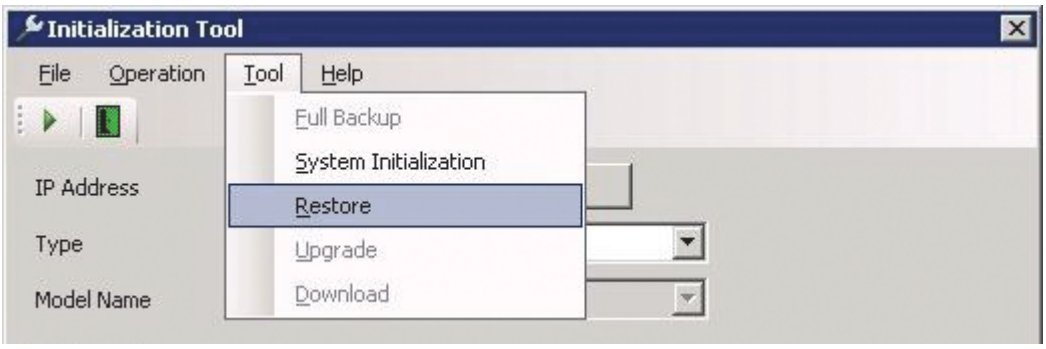


Fig.138 [Initialization Tool] screen (Restore menu)

6 **The Check Destination Folder screen appears.**

7 **Click the Browse button, and select the folder containing the restored data on the displayed Browse For Folder screen (Fig.140).**

8 **Click the OK button.**

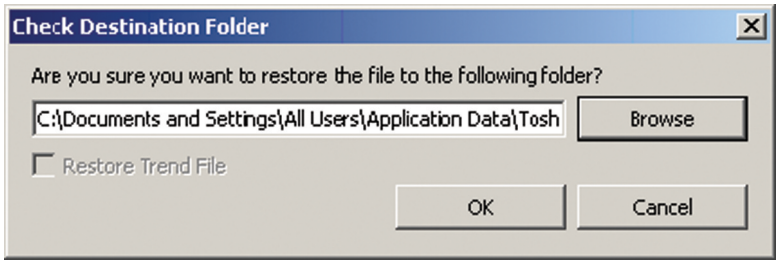


Fig.139 [Check Destination Folder] screen

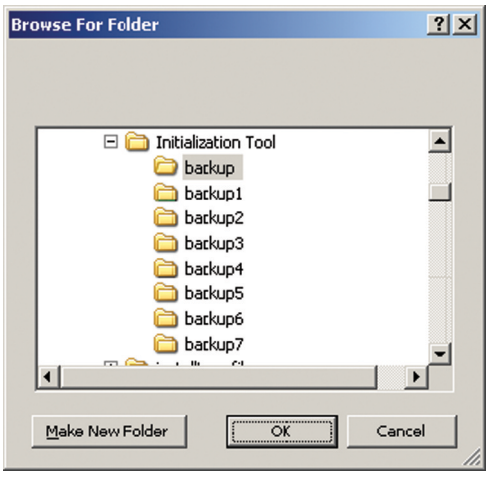


Fig.140 [Browse For Folder] screen

9 **Read the displayed warning message, and select the [Understand these warning messages and then perform the processing] checkbox.**

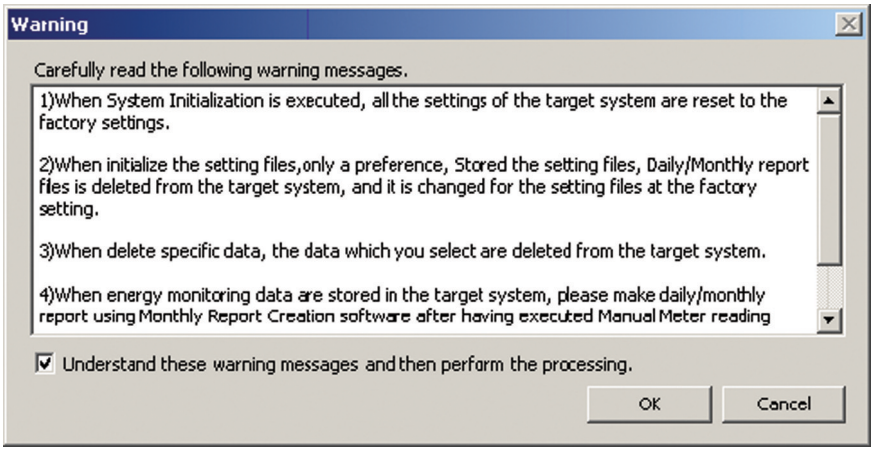


Fig.141 [Warning] screen

10 **Click the [OK] button.**
The Restoration starts, and the progress bar appears.

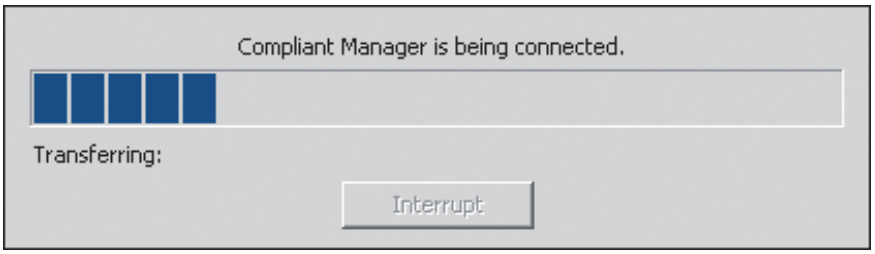


Fig.142 Progress bar

11 **If the restoration is completed successfully, the completion dialog box appears.**

12 **Restart the target system.**
Press the reset button, or turn off the power and turn it back on again. When the power is turned off, wait until over a minute passes before turning it back on.

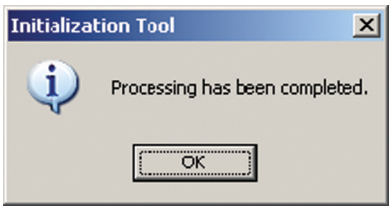


Fig.143 Completion dialog box

EN

■ Checking the version information

Select the [Help] menu then [About].

Fig.144 [Initialization Tool] screen (About menu)

The version information appears.

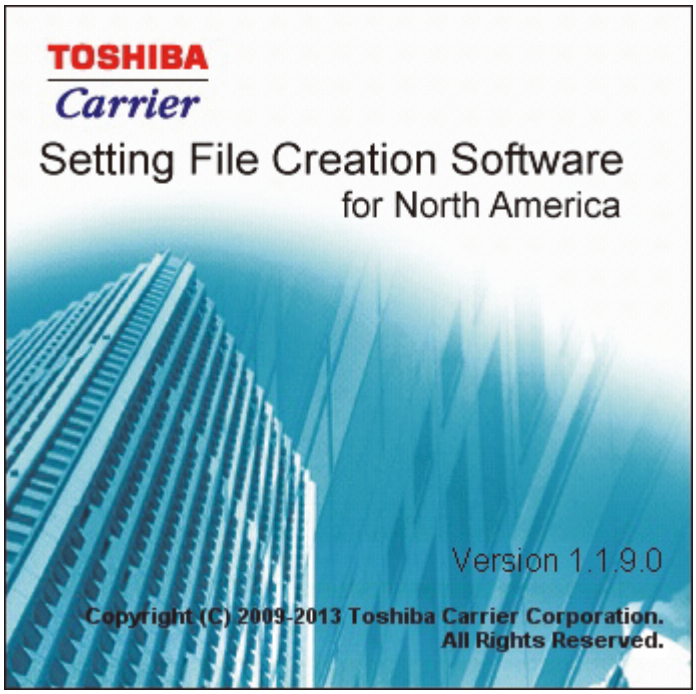


Fig.145 [About] screen

8 License agreement

Before using “Setting File Creation Software for North America” (hereinafter referred to as “this software,” read this software's license agreement (hereinafter referred to as “this agreement”) carefully.
By using or installing this software in part or as a whole, you agree to be bound by the terms of this agreement.
If you (hereinafter referred to as “the user”) do not agree to the terms of this agreement, return it to the place of purchase without using or installing this software.

1. Under this agreement, this software means a computer program that is accompanied by this agreement as a recording medium or file, plus any and all other data including electronic documentation provided. Data that is explicitly not contained in this software is excluded.

2. Toshiba Carrier Corporation retains the ownership and intellectual property rights to this software. The user may use this software by agreeing to the terms and conditions of this agreement for purposes designated by Toshiba Carrier Corporation or agreed upon by Toshiba Carrier Corporation and the user.

3. Toshiba Carrier Corporation owns the copyright to this software. This software is protected by copyright laws and international treaties.

4. The user may duplicate and install this software for purposes described in the documentation for this software. The user shall immediately delete a copy of this software when it becomes unnecessary. Excluding the above case, the user shall not duplicate this software.

5. The user shall make no attempt to reverse engineer, decompile, disassemble, or alter this software.

6. The user shall not let any other users use this software over a local network or the Internet.

7. The user shall not distribute, give, rent, lease, sell, or sublicense this software or the right to use this software to any third party.

8. The user shall respect the intellectual property rights of this software. In addition, the user shall recognize that this software is confidential and avoid disclosing this software to any third party.

9. The user agrees to comply with the Foreign Exchange and Foreign Trade Control Law, the Export Trade Control Order, the United States Export Administration Act and all applicable international and national laws and regulations that apply to this software directly or indirectly.

10. The user is allowed to use this software as is without any explicit or implicit guarantee. No implicit commercial guarantees or specific purpose applicability guarantees apply. Toshiba Carrier Corporation has no responsibility to guarantee the quality or performance of this software. Toshiba Carrier Corporation has no responsibility whatsoever for any damage, loss, cost or expense, incurred by the user, arising from the use of this software.

11. If the terms of this agreement are violated or this agreement is cancelled, the user shall uninstall and remove this software, and return the recording media and files (including copies) to Toshiba Carrier Corporation.

12. Toshiba Carrier Corporation reserves the right to terminate the use of this software and modify or improve this software at any time.

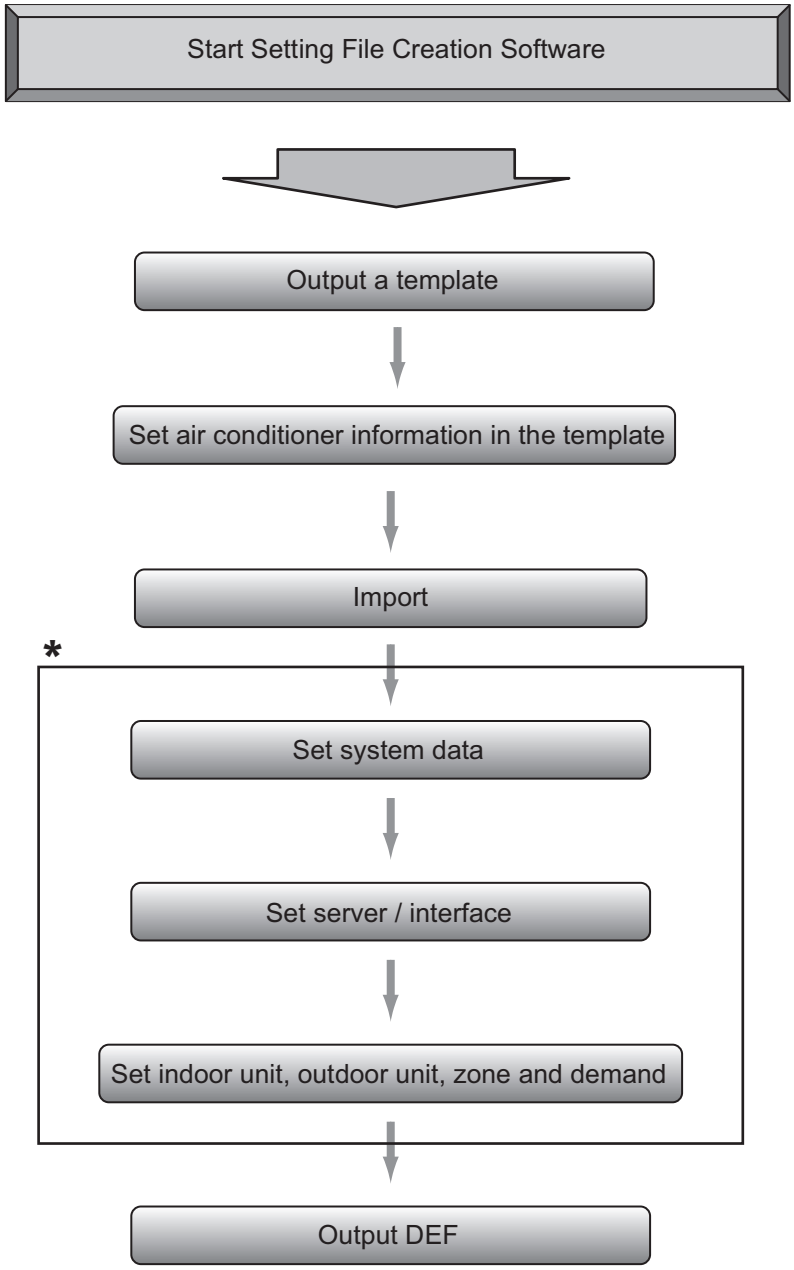
13. This agreement will be governed by and construed in accordance with the laws of Japan. (However, the applicable law selection rules are excluded. Hereinafter the same shall apply)

EN

9 Creating a setting file using the import function

■ Workflow of creating a setting file using the import function

The following flowchart shows the process of creating a setting file using the import function:



* Configure the settings on the System tab, the pulse constant of Energy Monitoring Relay Interface Q'ty, etc. If other settings need to be changed, change them.

■ Outputting a template

Output a template (Excel file) in which you enter information on an air conditioner connected to a BMS model. Select the [Tool] menu then [Output Template] on the Main Menu screen, and then select a BMS model.

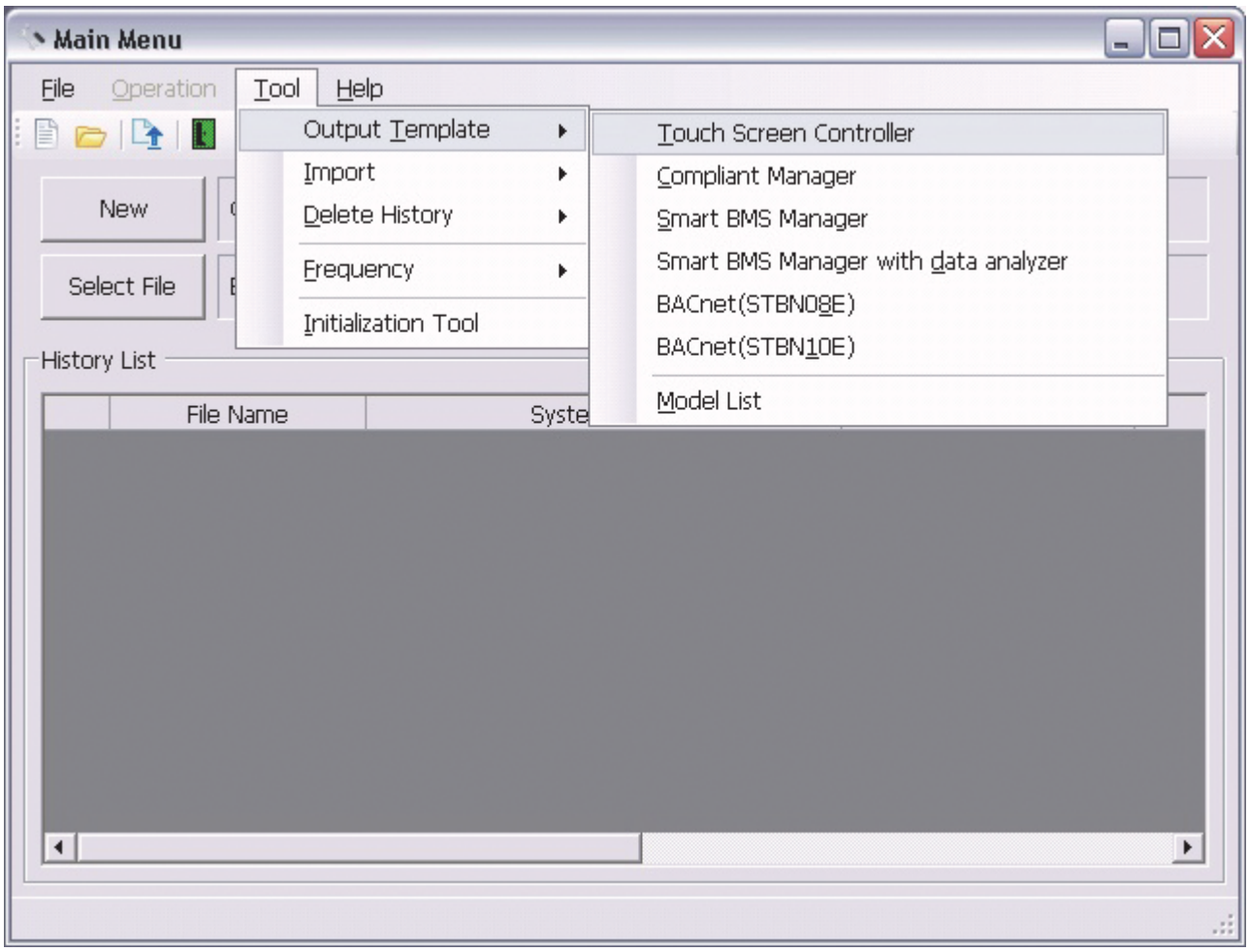


Fig.146 [Main Menu] screen

Select the destination folder and enter a file name to save the template. A message appears, and then the template is output.

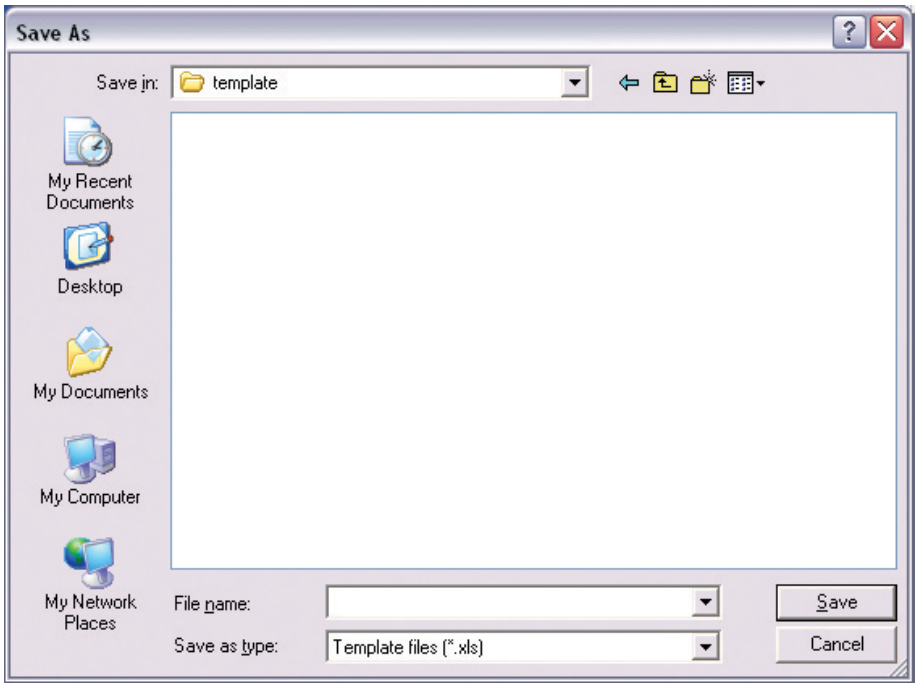


Fig.147 [Save As] screen

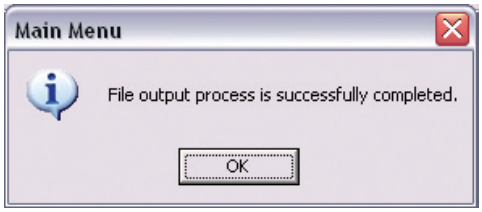


Fig.148 Output completion dialog box

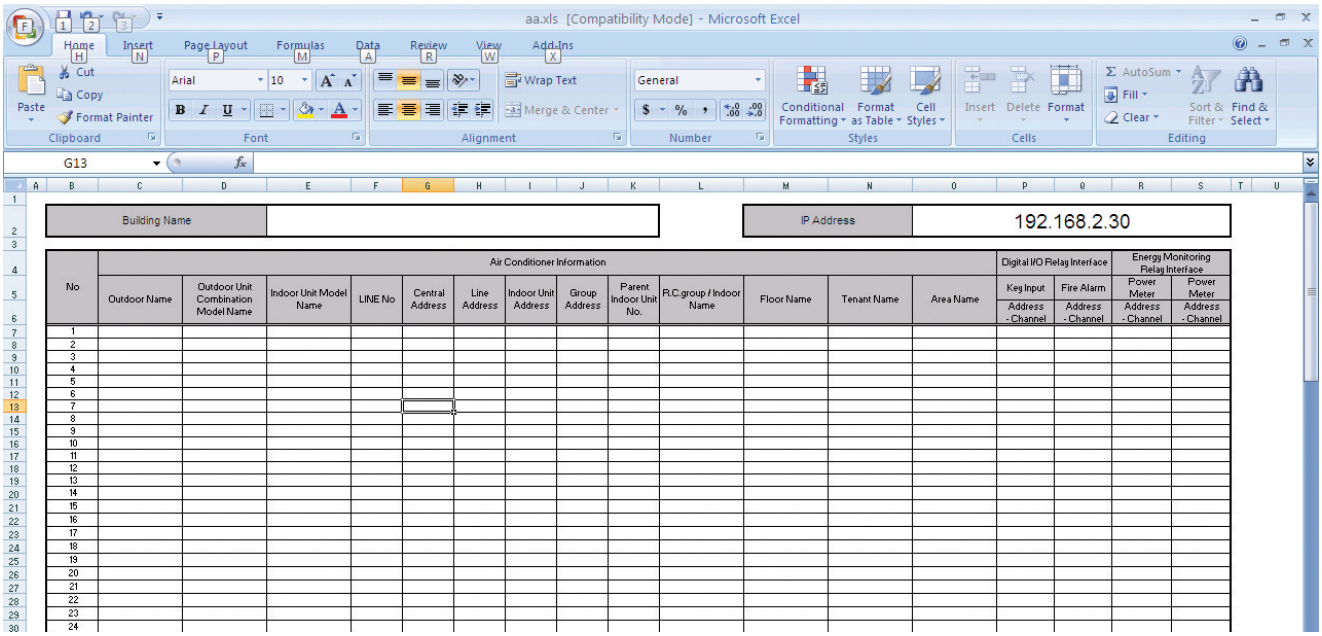


Fig.149 Example: Template for Smart BMS Manager

■ Setting air conditioner information in the template

Set the air conditioner name, model name, address, zone, door lock channel, and energy monitoring relay interface channel. For the model name, refer to the model list output by selecting [Tool] > [Output Template] > [Model List] on the Main Menu screen.

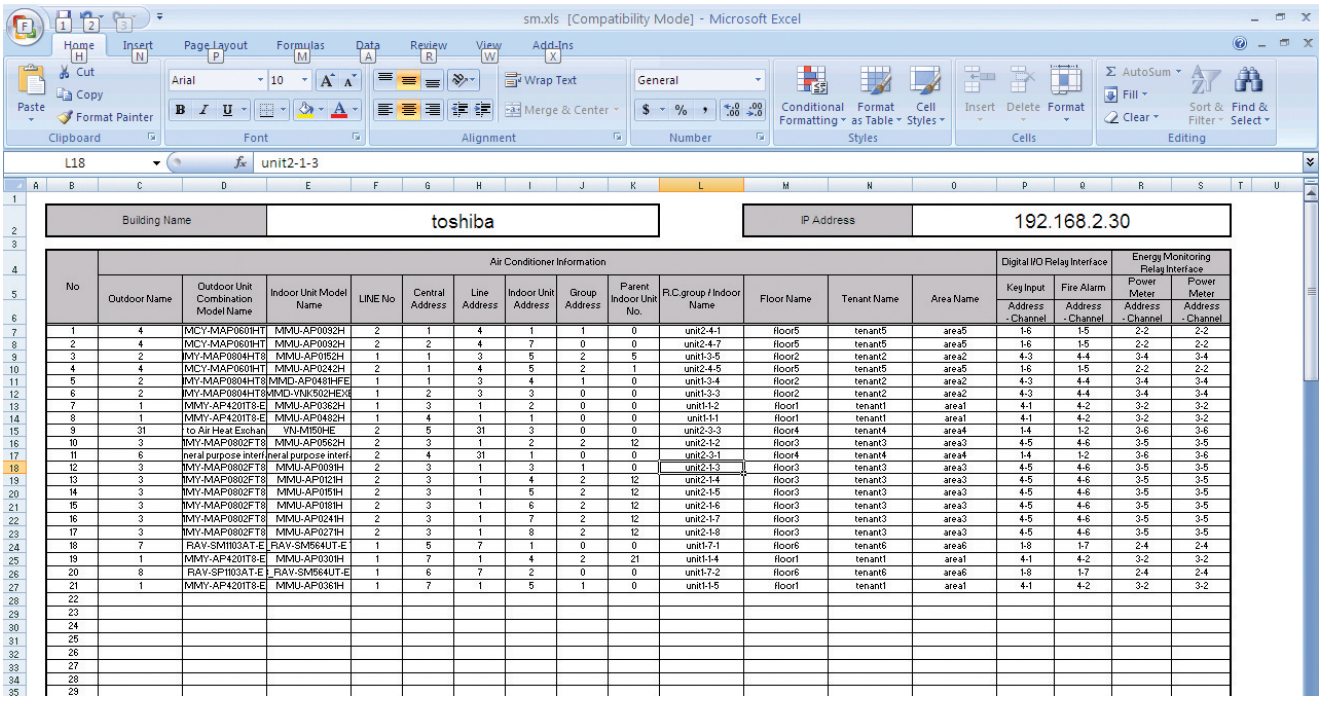


Fig.150 Template setting example (Smart BMS Manager)

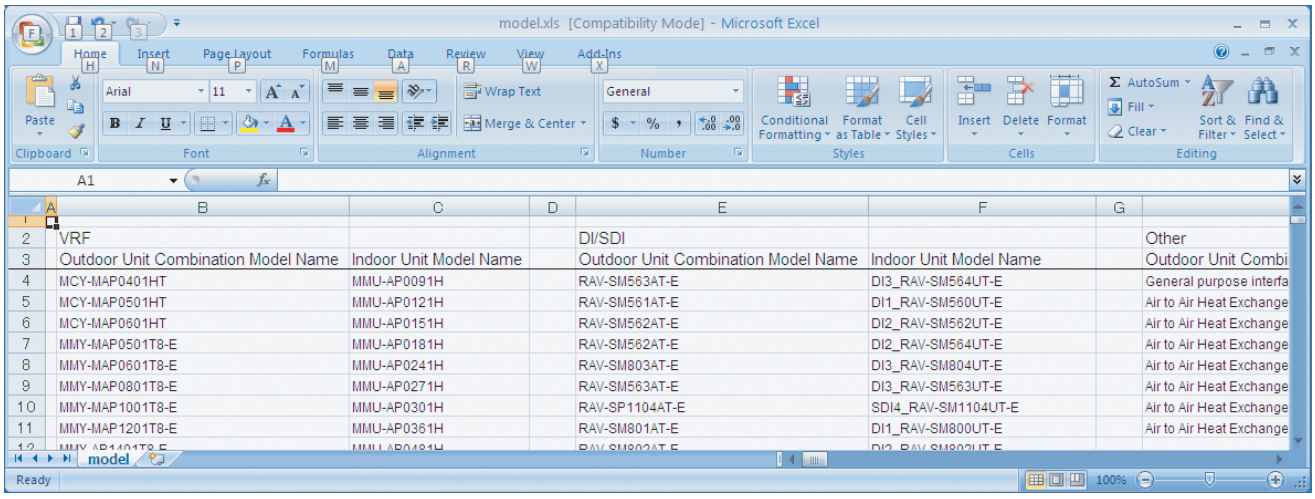


Fig.151 [Model List]

EN

■ Importing

Apply air conditioner information in the Excel file to the Setting File Creation Software by selecting and importing a file containing the air conditioner information as a template.
Select the [Tool] menu then [Import] on the Main Menu screen, and then select a BMS model.

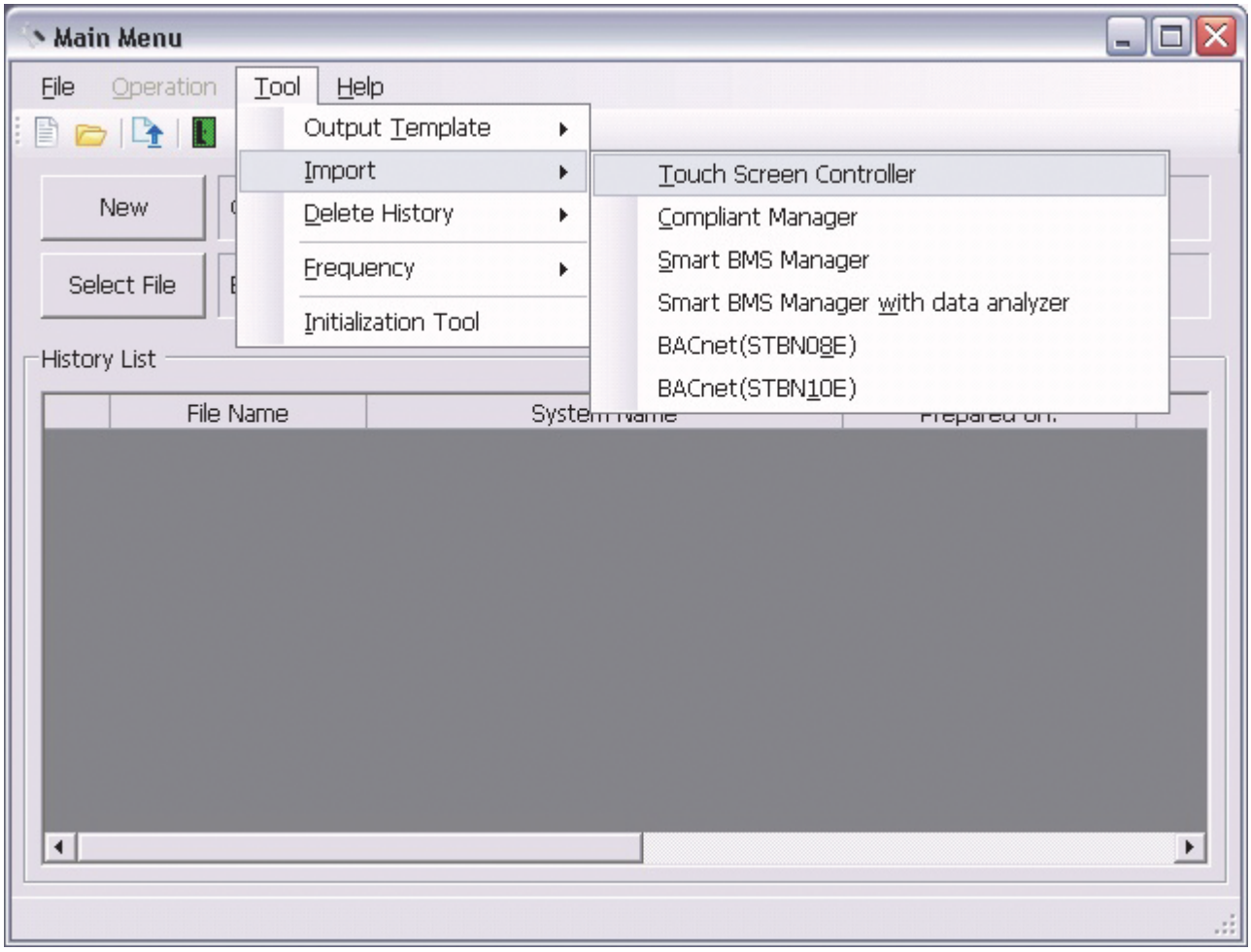


Fig.152 [Main Menu] screen

Select an Excel file to import. The import starts.

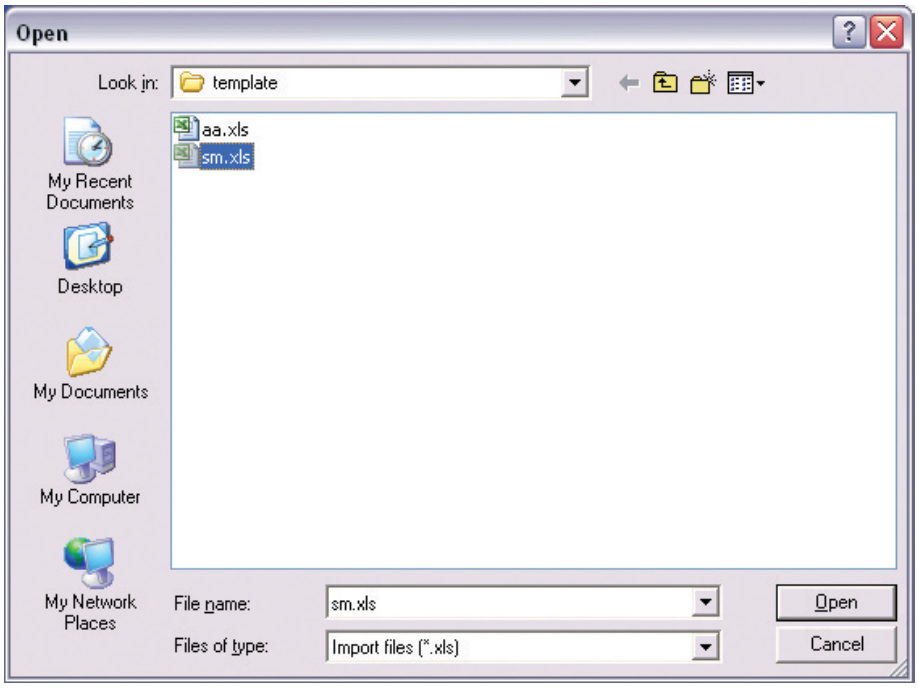


Fig.153 [Open] screen

The import starts, and the progress bar appears.

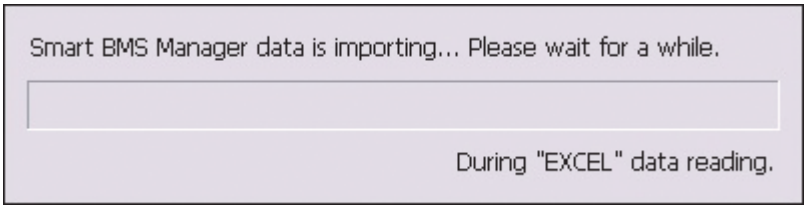


Fig.154 Progress bar

An error occurs if the Excel file to import is opened. Close the Excel file.

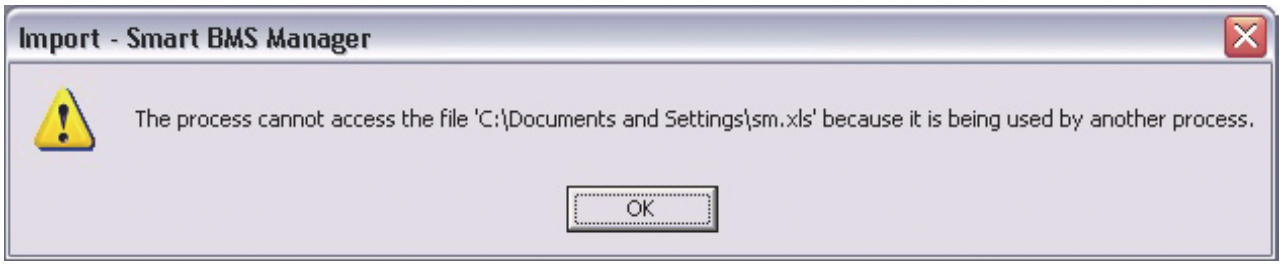


Fig.155 Error message box

EN

An error occurs if the Excel file to import contains an error. The cause and line No. are displayed. Check the Excel file. (Example: The model name does not exist, the indoor unit No. is duplicate)

Fig.156 Error message (Example: The indoor unit No. is duplicate)

When the import is complete, the Data Input Main screen appears. Configure the settings on the System tab, the pulse constant of Energy Monitoring Relay Interface Q'ty, etc. If other settings need to be changed, change them.

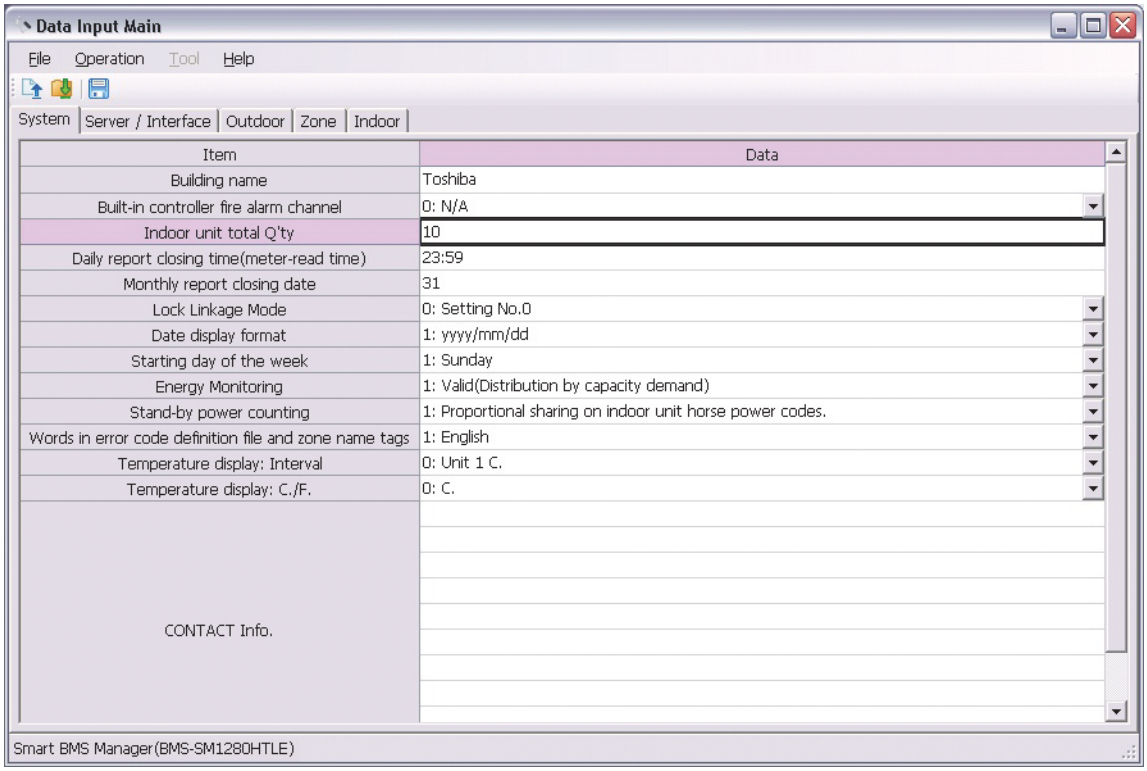


Fig.157 [Data Input Main] screen (System tab)

■ Outputting a DEF File

Click the [Output File] button, or select the [File] menu then [Output DEF File].

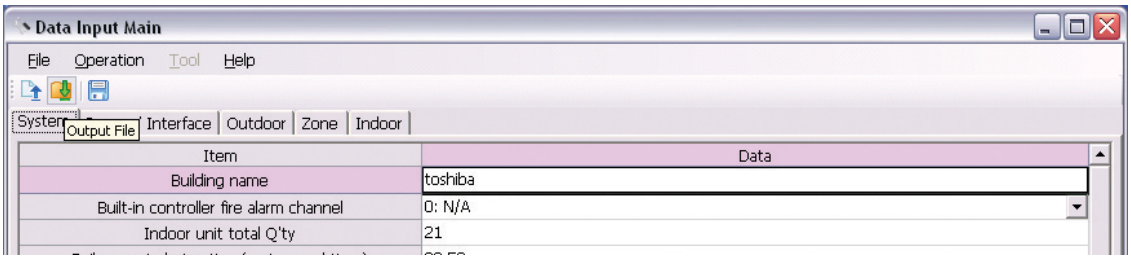


Fig.158 [Output File] button

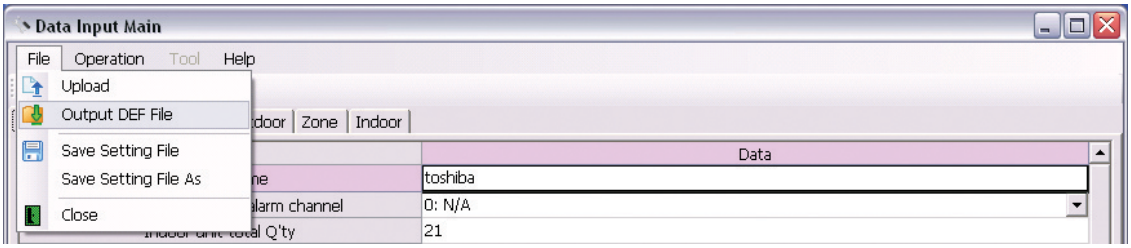


Fig.159 [Output DEF File] menu

EN

Appendix A

■ Applying the monthly report tenant name to the tenant name

Select a tenant on the zone setup screen, and click the [Automatic setting of Tenant Name] button or select the [Operation] menu then [Automatic setting of Tenant Name]. The name of the monthly report tenant will be registered to the tenant. Note that the [Automatic setting of Tenant Name] button and menu are only available if the tenant name has not been registered.

* The number of characters for the tenant name is limited and the name may not be automatically set depending on the system.

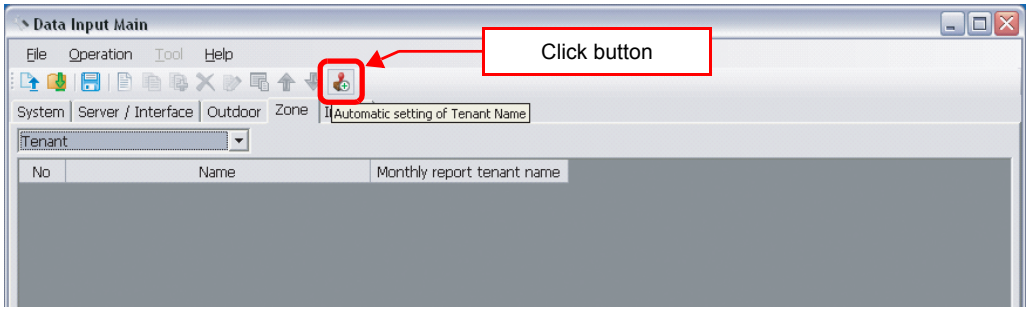


Fig.160 [Zone] screen ([Automatic setting of Tenant Name] button)

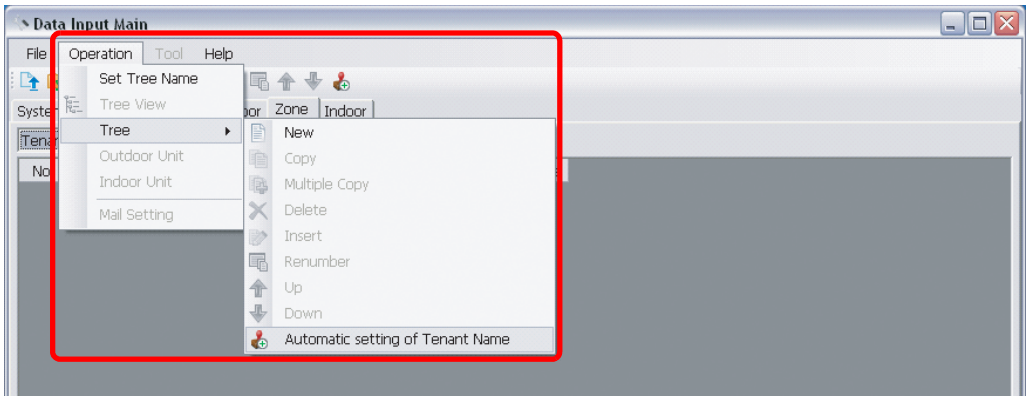


Fig.161 [Zone] screen ([Automatic setting of Tenant Name] menu)

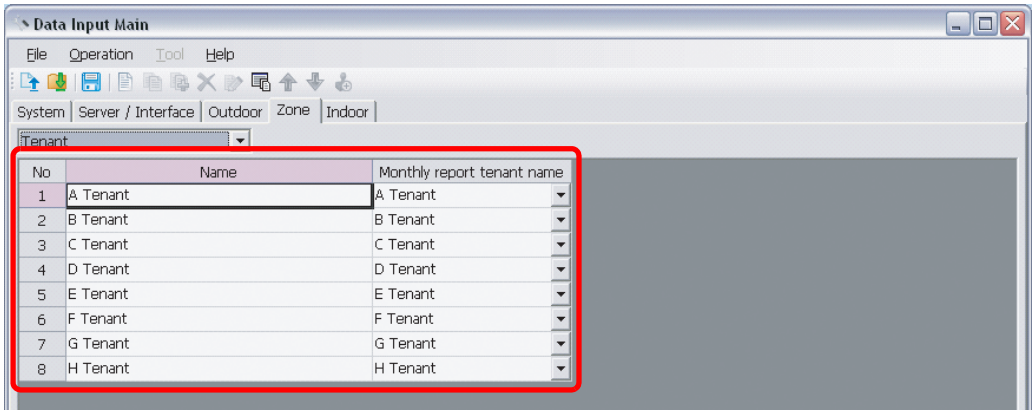


Fig.162 [Zone] screen (Monthly report tenant name applied to tenant)

■ Copying a cell of an indoor unit

Follow the procedure below:
(1) Select a source cell, and press Ctrl + C.

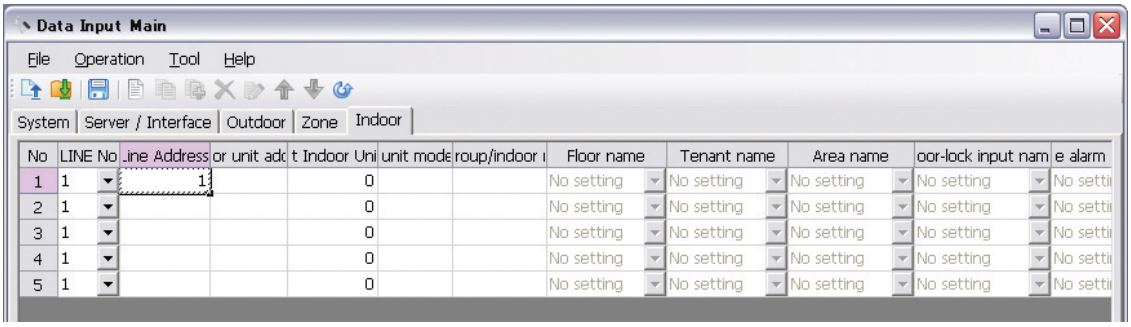


Fig.163 [Indoor] screen (Source cell selected)

(2) Select a target cell.

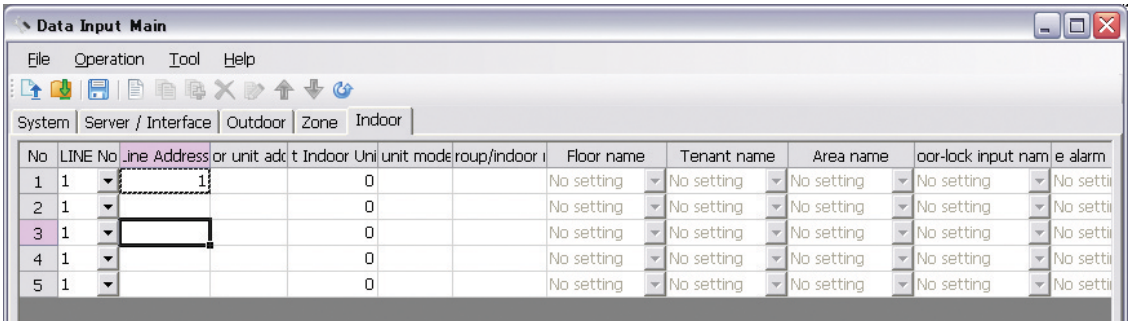


Fig.164 [Indoor] screen (Target cell selected)

(3) Press Ctrl + V to paste the data.

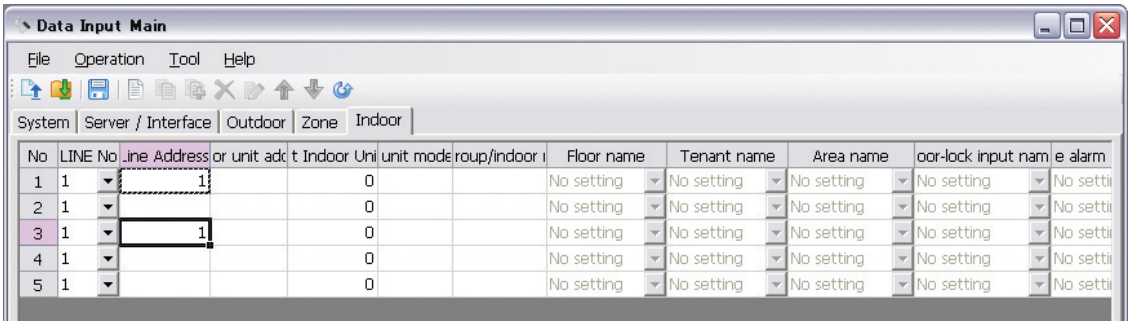


Fig.165 [Indoor] screen (Result)

EN

To copy data to subsequent cells, follow the procedure below:
(1) Select a source cell.

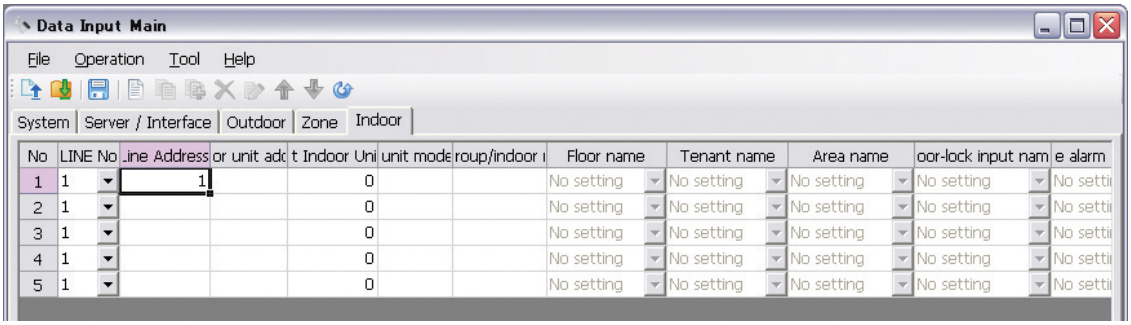


Fig.166 [Indoor] screen (Source cell selected)

(2) Click and hold the lower right corner of the cell (the cursor changes to a "+" shape), and drag it over the target cells.

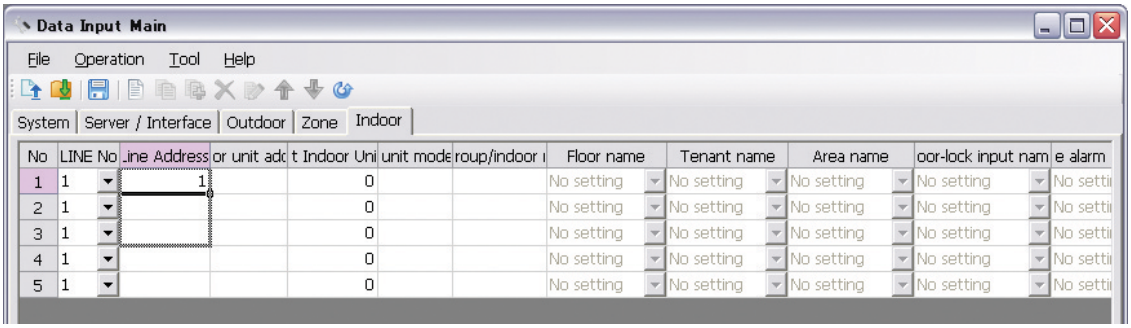


Fig.167 [Indoor] screen (Target cell selected)

(3) Release the mouse button.

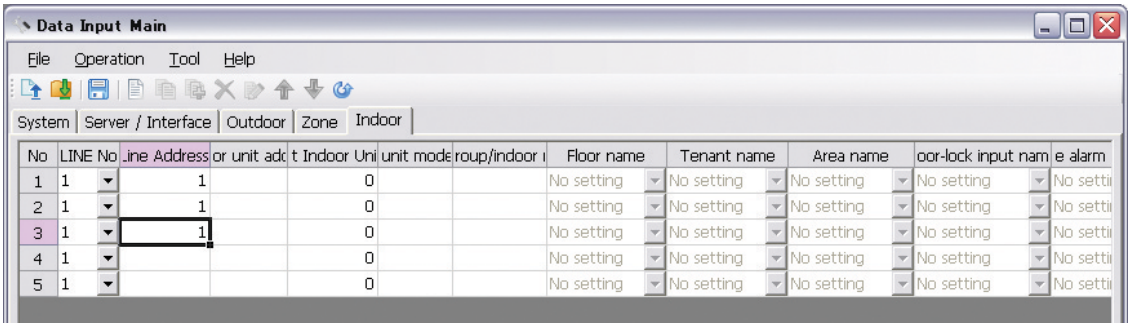


Fig.168 [Indoor] screen (Result)

Appendix B BACnet (BMS-STBN09UL, BMS-STBN10UL)

⚠ CAUTION

The air conditioner number is used as the identifier (address) for the air conditioner on the system when it is connected to the system.
This number is automatically indexed when a file is output, if an indoor unit is added, deleted, or moved on the indoor tab, the air conditioner number before the change may be different after the change.
Because of this, if the operation above is done, the air conditioner number is changed and the address may be incorrect when reconnecting to the system (The air conditioner may not operate or a different air conditioner may operate).
If you change the settings on the indoor tab, it may change the air conditioner number used on the system, therefore note that it may be necessary to reset the system when outputting the file and uploading to the BACnet local server.

■ Using the Setting File Creation Software for North America

Starting / Exiting the Setting File Creation Software for North America

Starting the Setting File Creation Software for North America

Use the desktop icon or Windows menu to start the Setting File Creation Software for North America.

1 **Start the Setting File Creation Software for North America.**

• Desktop icon

Double-click the desktop icon.

Fig.169 Setting File Creation Software for North America desktop icon

• Windows menu

Select [Start] > [All Programs] > [Toshiba] > [Setting File Creation Software for North America].

EN

2 **The startup screen appears.**
The startup screen appears.

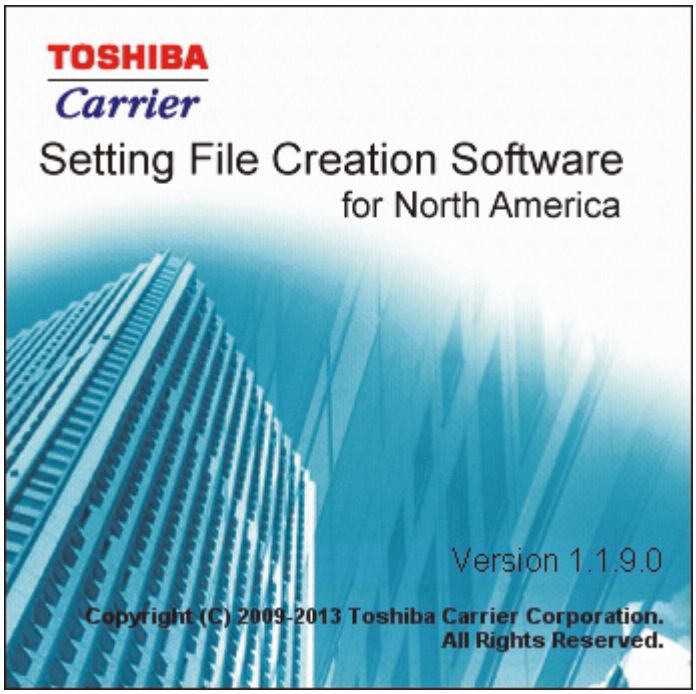


Fig.170 Startup screen

3 **Setting File Creation Software for North America Startup Complete.**
The startup screen (Fig.170) disappears, and the Main Menu screen (Fig.1) appears. The Setting File Creation Software for North America startup is now complete, and the software can be operated.

Exiting the Setting File Creation Software for North America

Click the [Close] button, the Exit button, or select the [File] menu then [Exit].

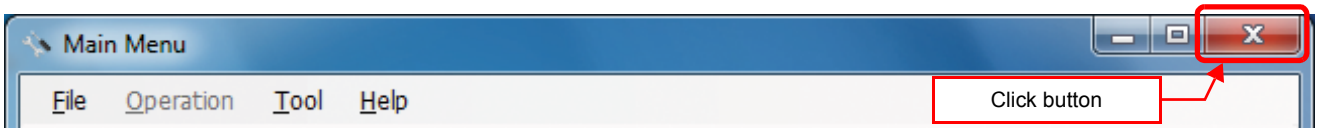


Fig.171 [Main Menu] screen (Close button)

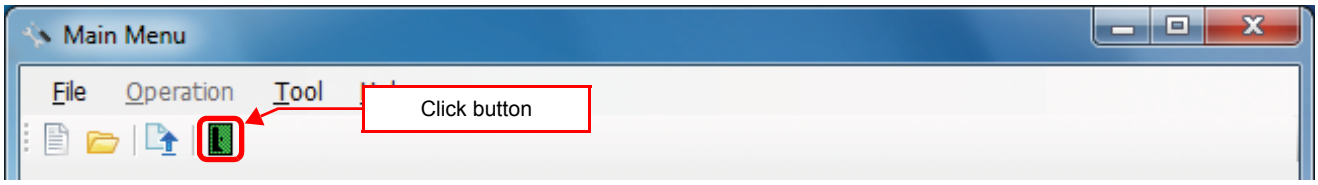


Fig.172 [Main Menu] screen (Exit button)

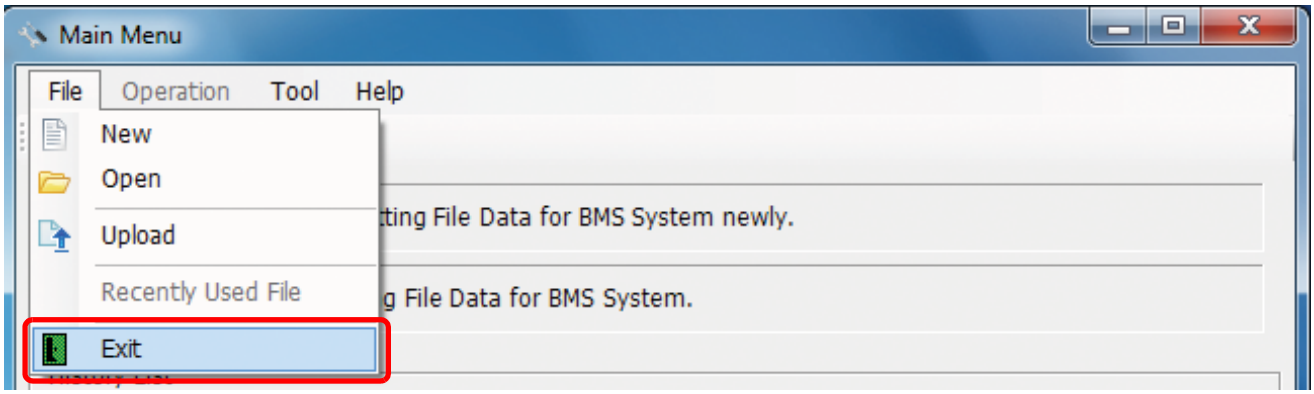


Fig.173 [Main Menu] screen (Exit menu)

The exit confirmation dialog box appears.
Click [Yes] to exit, or [No] to cancel exiting.

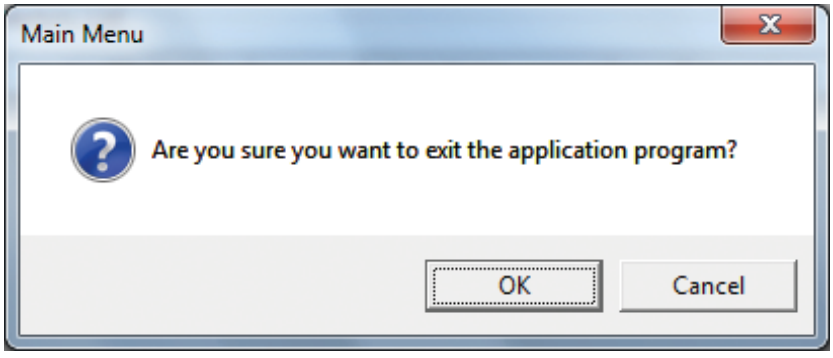


Fig.174 Exit confirmation dialog box

EN

Creating New Data

Click the [New] button, or select the [File] menu then [New]. The Select System screen (Fig.2) appears.

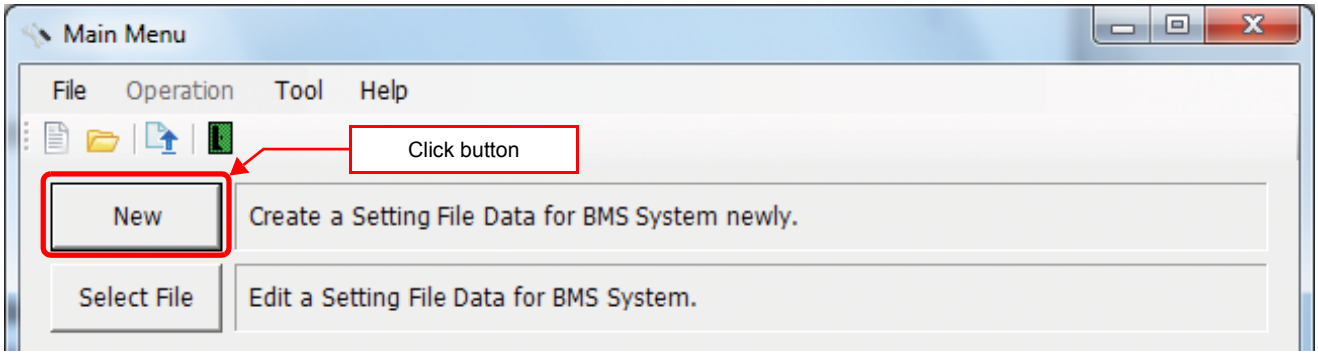


Fig.175 [Main Menu] screen (New button 1)

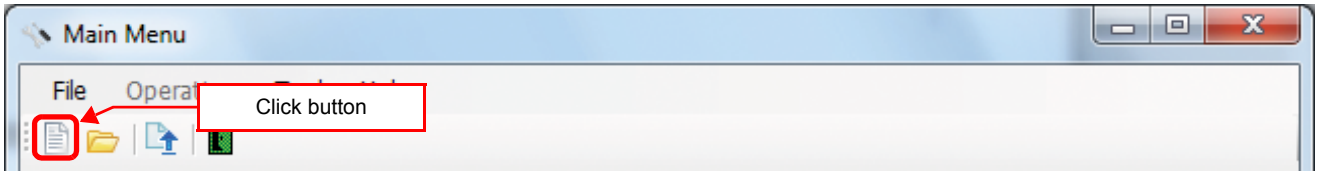


Fig.176 [Main Menu] screen (New button 2)

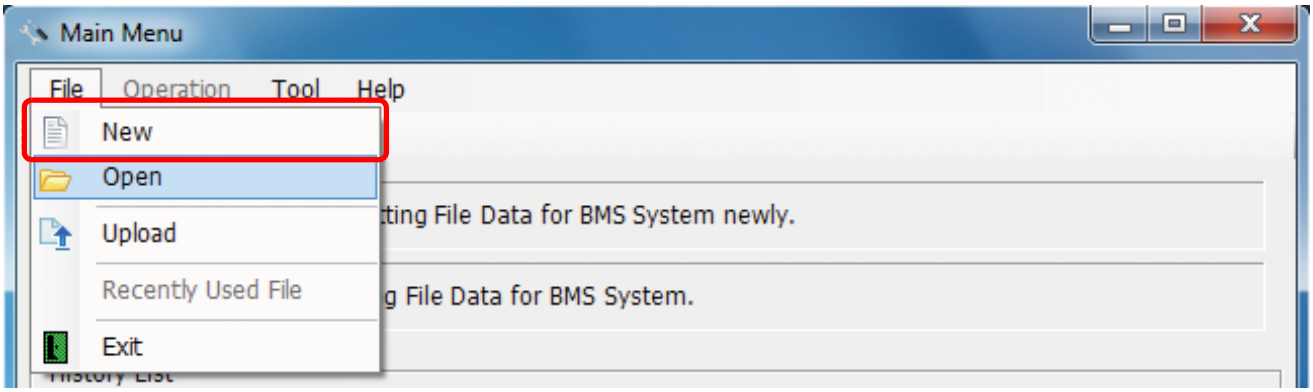


Fig.177 [Main Menu] screen (New menu)

When the Open screen has opened, select a file to edit. The system screen (Fig.3) appears.

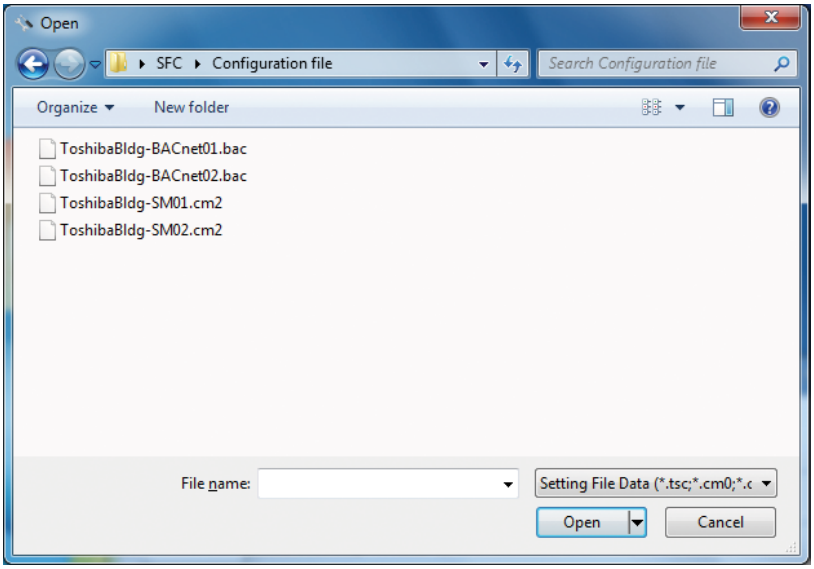


Fig.178 [Open] screen

Using a History File to Edit Data

Double-click a line in the History List, or select a file from Recently Used File. The system screen (Fig.3) appears.

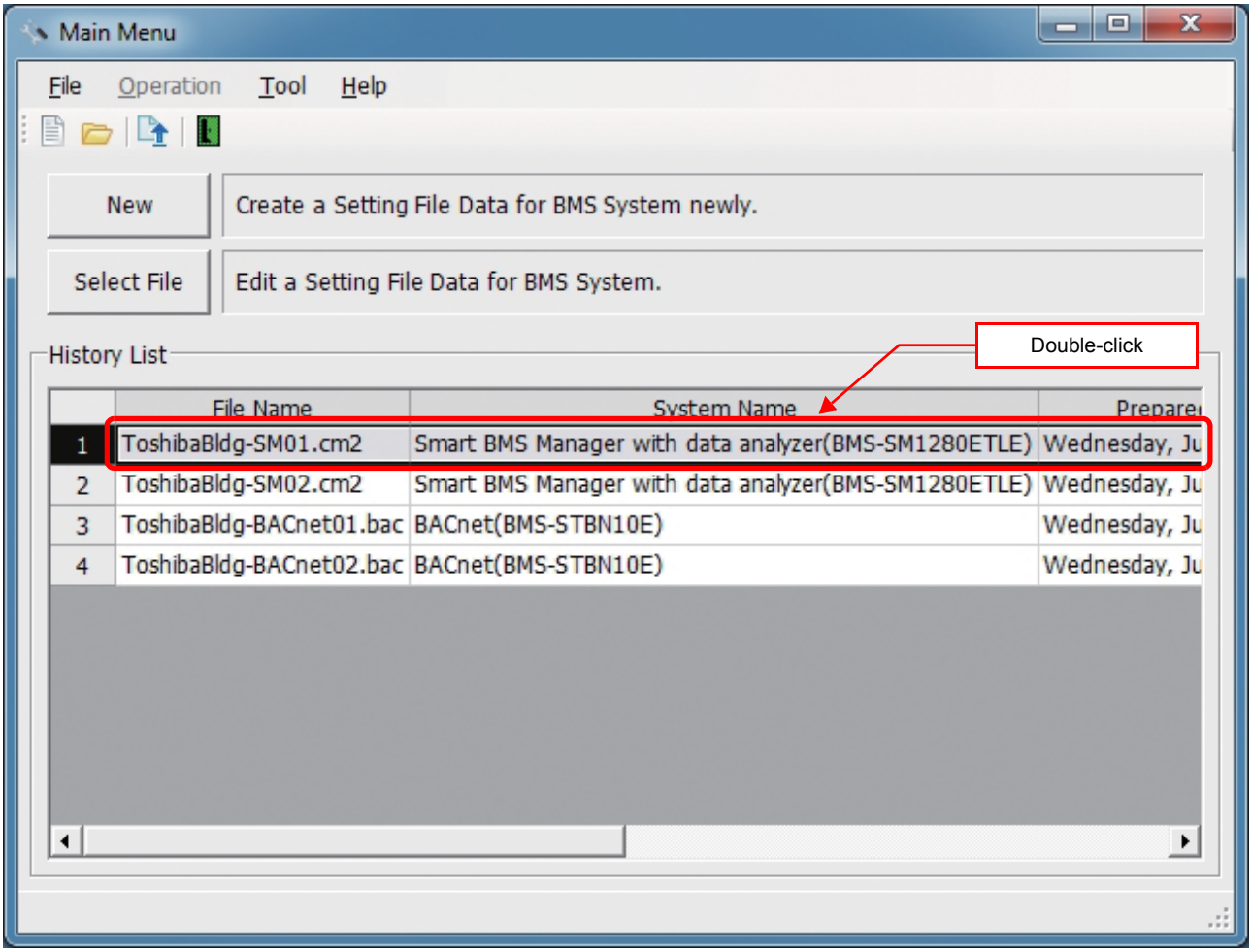


Fig.179 [Main Menu] screen (History List)

EN

Up to 9 files are stored in Recently Used File.

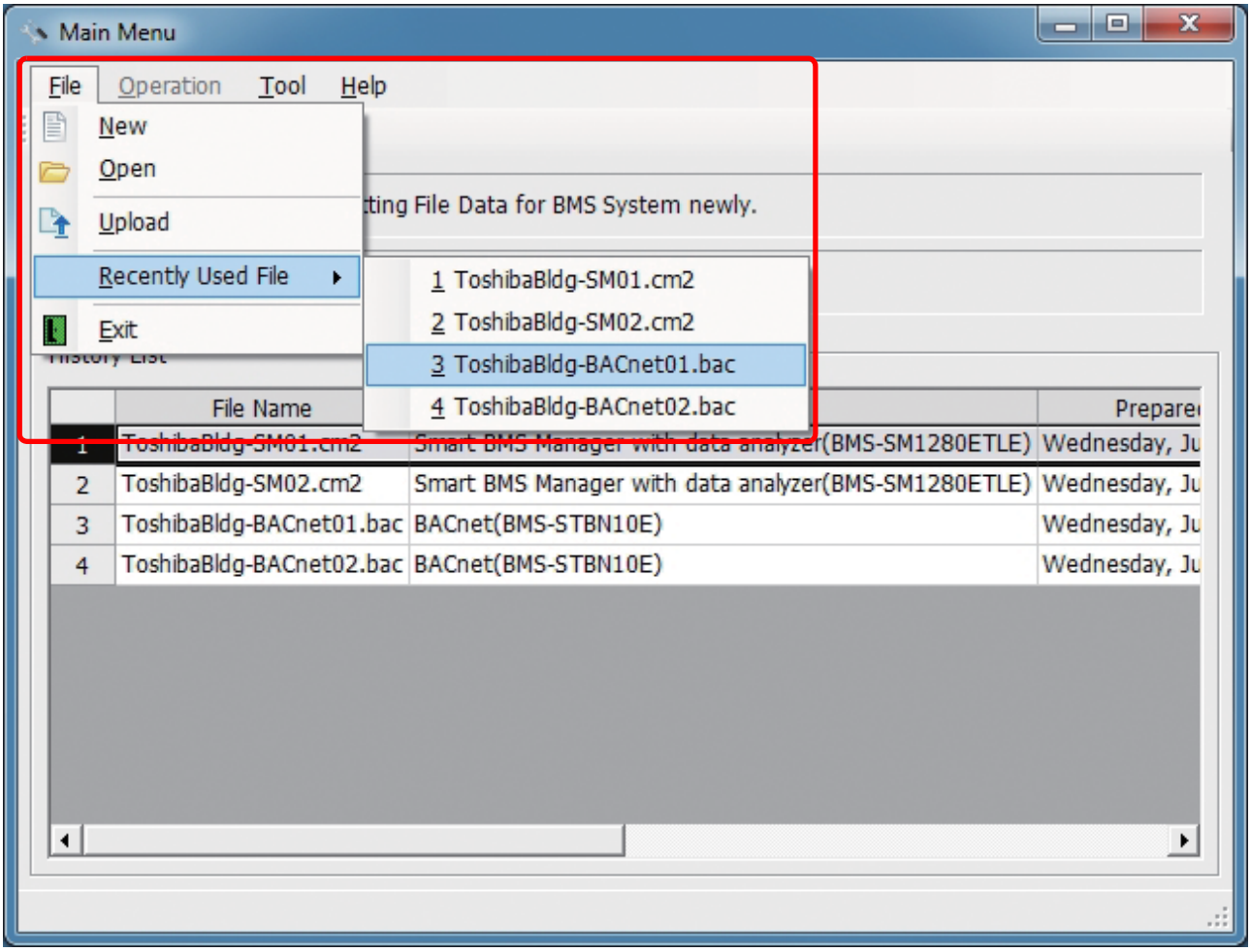


Fig.180 [Main Menu] screen (Recently Used File)

If the selected file does not exist, a warning appears.

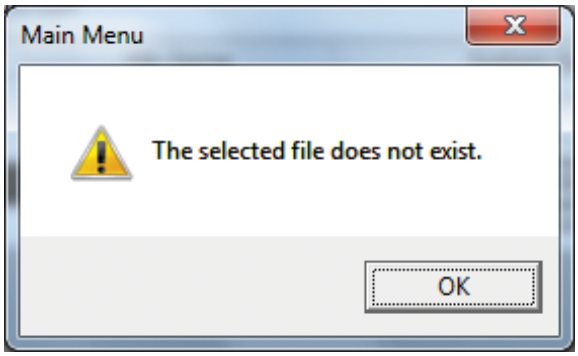


Fig.181 Warning message box

Setting Up the System

Select the [System] tab and configure the settings.

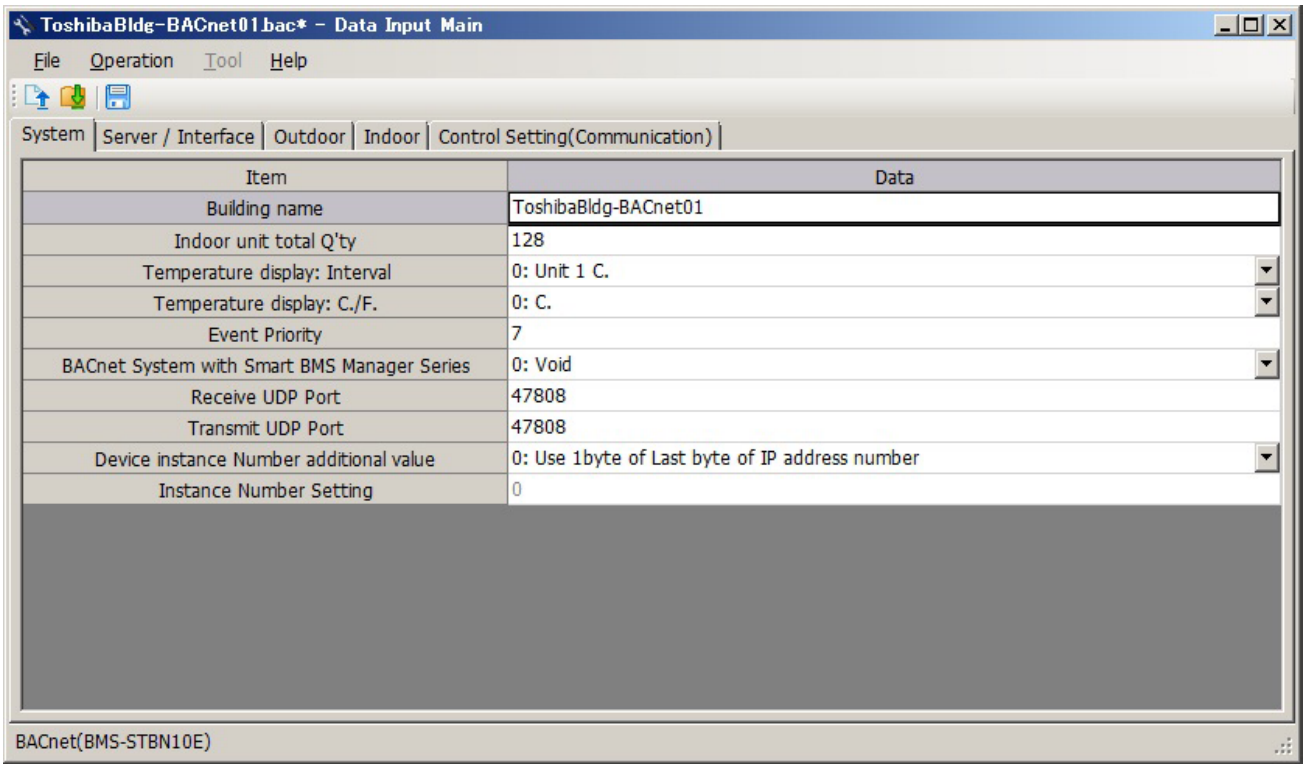


Fig.182 [System] tab

The following table shows how to enter / select data:

Item	Data type	Selection	Note
Building name	Entered by user		
Indoor unit total Q'ty	Entered by user	Numeric value only	Up to 128
Temperature display: Interval	Selected by user (BMS-STBN08E cannot be edited)	Select from list	
Temperature display: C./F.	Selected by user (BMS-STBN08E cannot be edited)	Select from list	
Event Priority (*)	Entered by user	Numeric value only	0 - 255
BACnet System with Smart BMS Manager Series	Selected by user	Select from list	
Receive UDP Port (*)	Entered by user	Numeric value only	47808 - 47823 49152 - 65535
Transmit UDP Port (*)	Entered by user	Numeric value only	47808 - 47823 49152 - 65535
Device instance Number additional value (*)	Selected by user	Select from list	
Instance Number Setting (*)	Entered by user	Numeric value only	0 - 4194303

Table.8 How to enter / select data

(*) BMS-STBN10UL only

EN

Setting Up the Server

Select "Server Setting" on the "Server / Interface" tab and set the number of interfaces and the IP address of the BACnet local server.
On the BACnet, when the server's IP address is uploaded it is automatically edited according to the IP address, subnet mask, and default gateway information set in this tab.

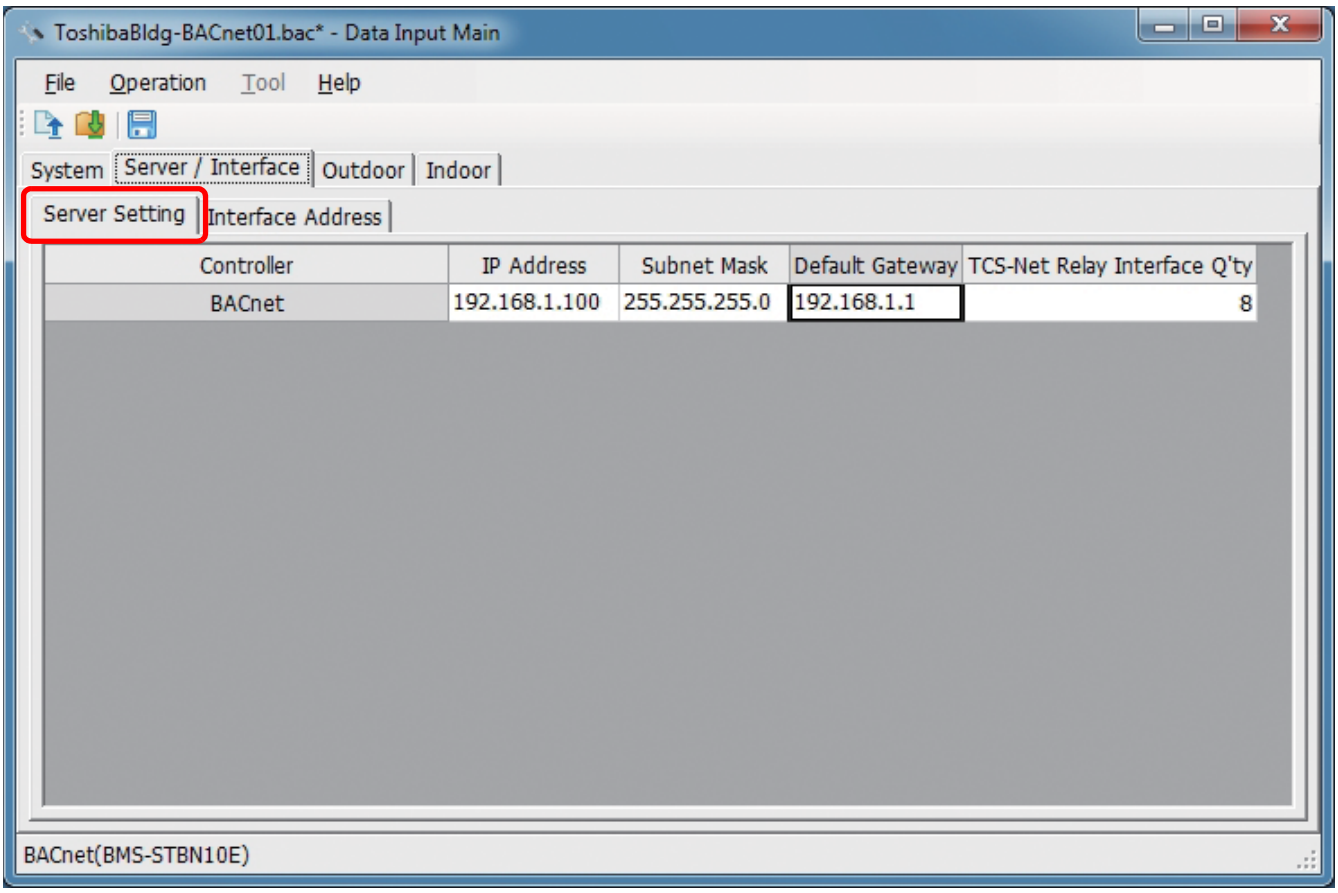


Fig.183 [Server Setting] tab

The following table shows how to enter / select data:

Item	Data type	Selection	Note
IP Address	Entered by user	Numeric value only	
Subnet Mask	Entered by user	Numeric value only	
Default Gateway	Entered by user	Numeric value only	
TCS-net Relay Interface Q'ty	Entered by user	Numeric value only	1 - 8

Table.9 How to enter / select data

Setting Up the Interface Address

Select the [Interface Address] tab under the [Server / Interface] tab, and configure the settings.

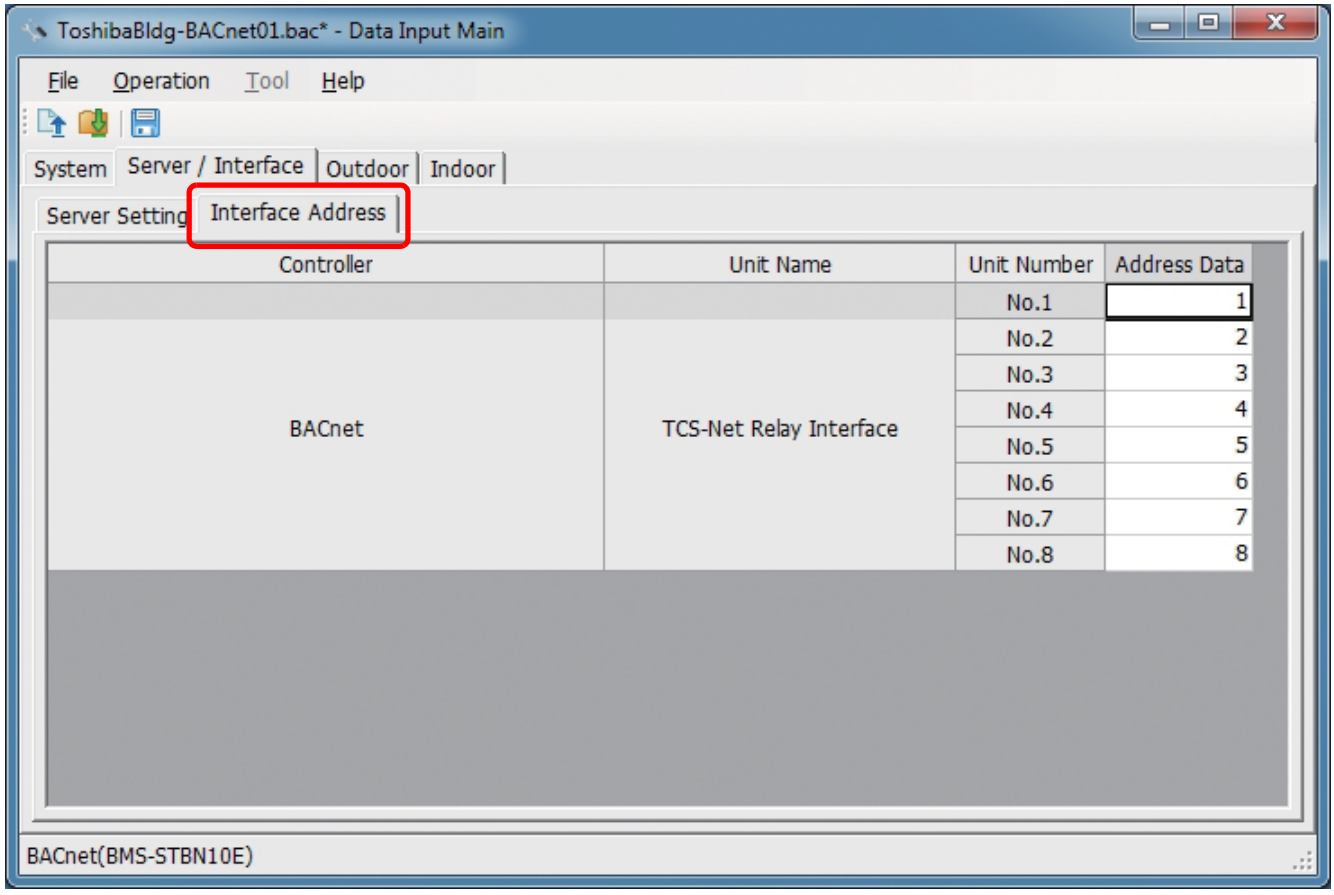


Fig.184 [Interface Address] tab

The following table shows how to enter / select data:

Item	Data type	Selection	Note
TCS-Net Relay Interface Address Data	Entered by user	Numeric value only	1 - 8

Table.10 How to enter / select data

EN

Adding an Outdoor Unit

Click the [New] button, or select the [Operation] menu > [Outdoor Unit] > [New]. A line will be added to the outdoor unit list.

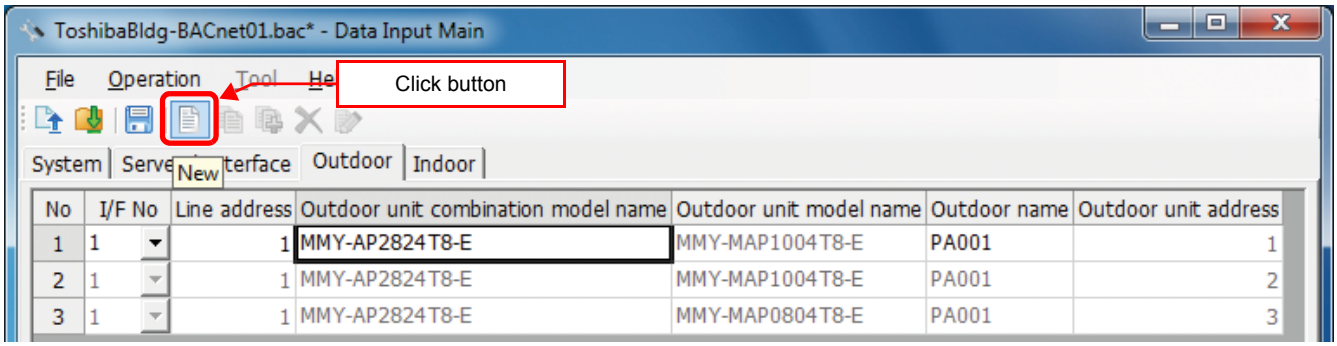


Fig.185 [Outdoor] tab (New button)

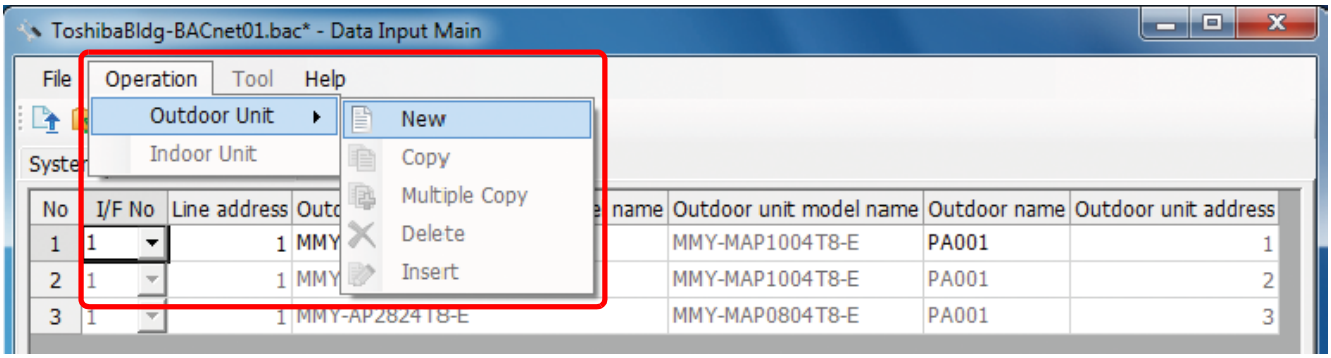


Fig.186 [Outdoor] tab (New menu)

The following table shows how to enter / select data:

Item	Data type	Selection	Note
IF No	Selected by user	Select from list	
Line address	Entered by user	Numeric value only	
Outdoor unit combination model name	Selected by user	Select from the Select outdoor unit model screen	
Outdoor unit model name	Cannot be edited	Select from the Select outdoor unit model screen	
Outdoor name	Entered by user		
Outdoor unit address	Cannot be edited		

Table.11 How to enter / select data

Selecting an Outdoor Unit

Clicking a cell of an outdoor unit combination model name on the [Outdoor] tab (Fig.5) displays the Select outdoor unit model screen. On the screen, double-click a cell of an outdoor unit model, or select a model then click the OK button. “Outdoor unit combination model name”, “Outdoor unit model name,” and “Outdoor unit address” will automatically become available on the [Outdoor] tab (Fig.5). To cancel changing the outdoor unit setting, click the Cancel button to return to the [Outdoor] tab.

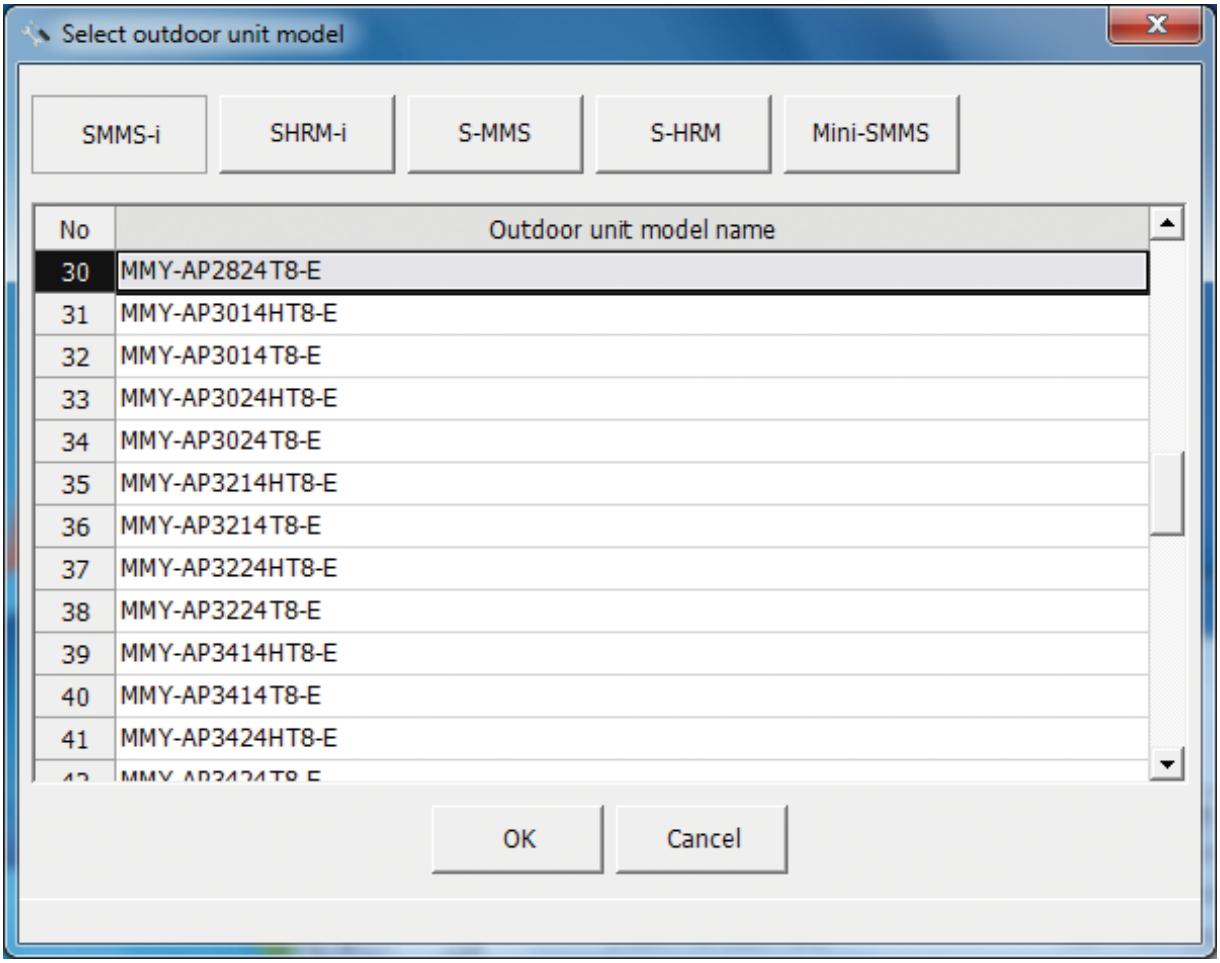


Fig.187 [Select outdoor unit model] screen

EN

Copying the Data of an Outdoor Unit

Select a line of an outdoor unit on the [Outdoor] tab (Fig.5), and click the [Copy] button, or select the [Operation] menu > [Outdoor Unit] > [Copy]. The copied outdoor unit will be added to the outdoor unit list. The numbers of the copied “Line address” will automatically be increased in one.

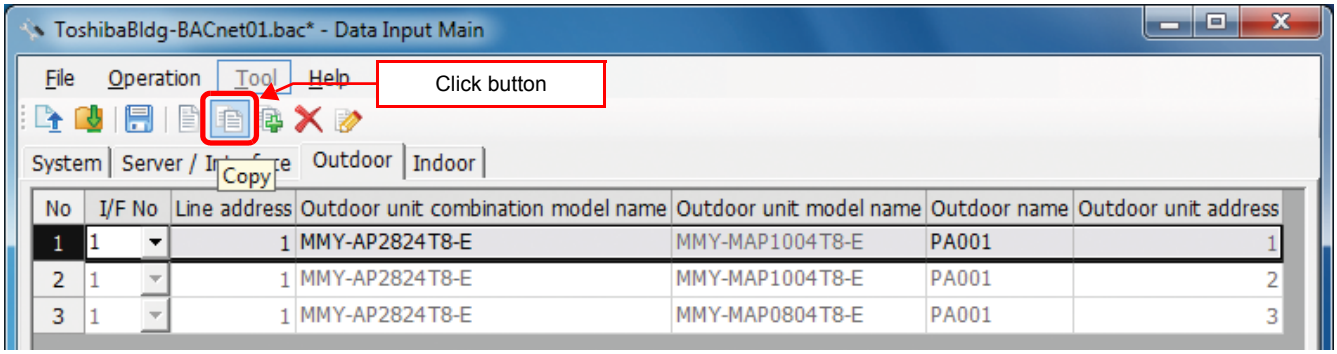


Fig.188 [Outdoor] tab (Copy button)

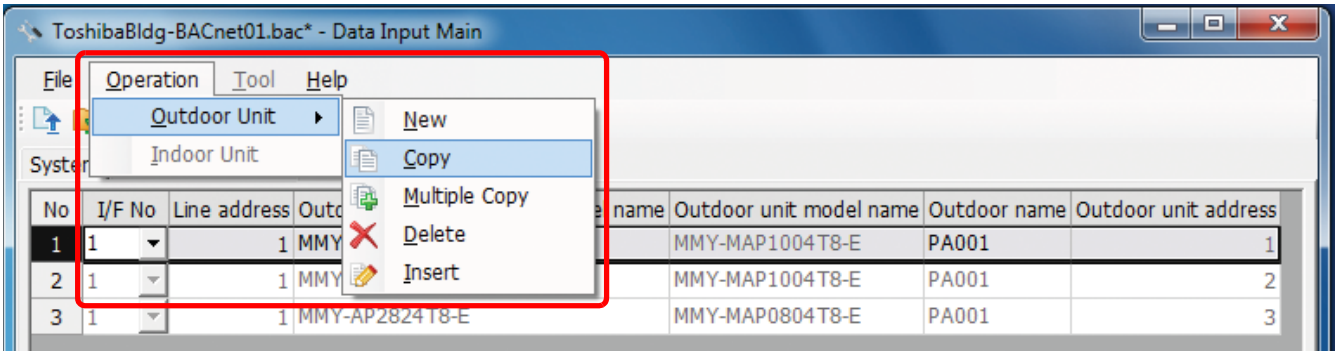


Fig.189 [Outdoor] tab (Copy menu)

Copying the Data of Multiple Outdoor Units

Select a line of outdoor unit on the [Outdoor] tab (Fig.5), and click the [Multicopy] button, or select the [Operation] menu > [Outdoor Unit] > [Multicopy]. The Copy line count screen appears.

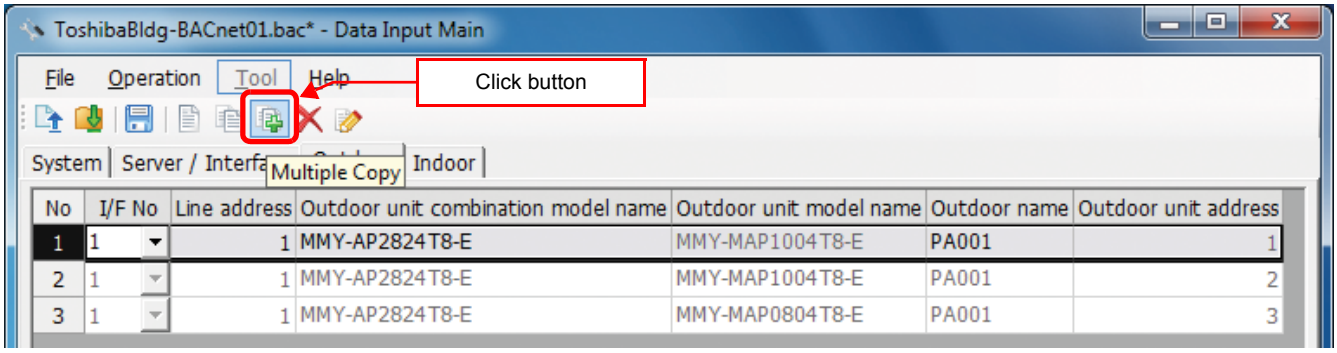


Fig.190 [Outdoor] tab (Multicopy button)

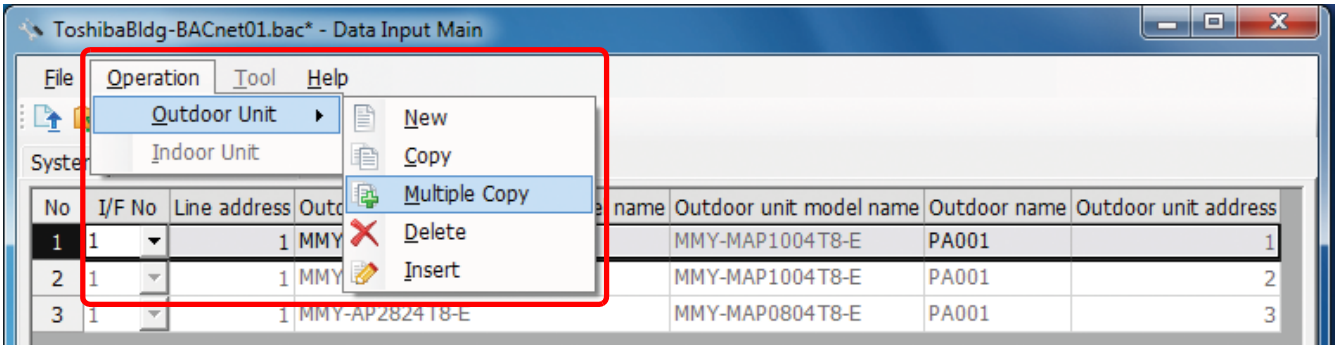


Fig.191 [Outdoor] tab (Multicopy menu)

Enter the copy count, then click the OK button. The copied outdoor units will be added to the outdoor unit list. The numbers of the copied “Line address” will automatically be increased in one.

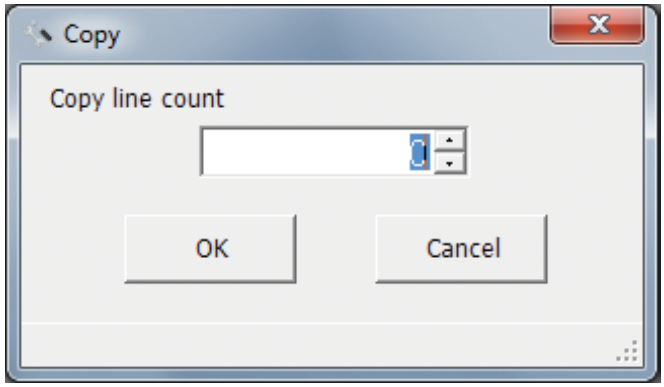


Fig.192 [Copy line count] screen

EN

Deleting the Data of Outdoor Units

Select one or more lines of outdoor units on the [Outdoor] tab (Fig.5), and click the [Delete] button, or select the [Operation] menu > [Outdoor Unit] > [Delete].

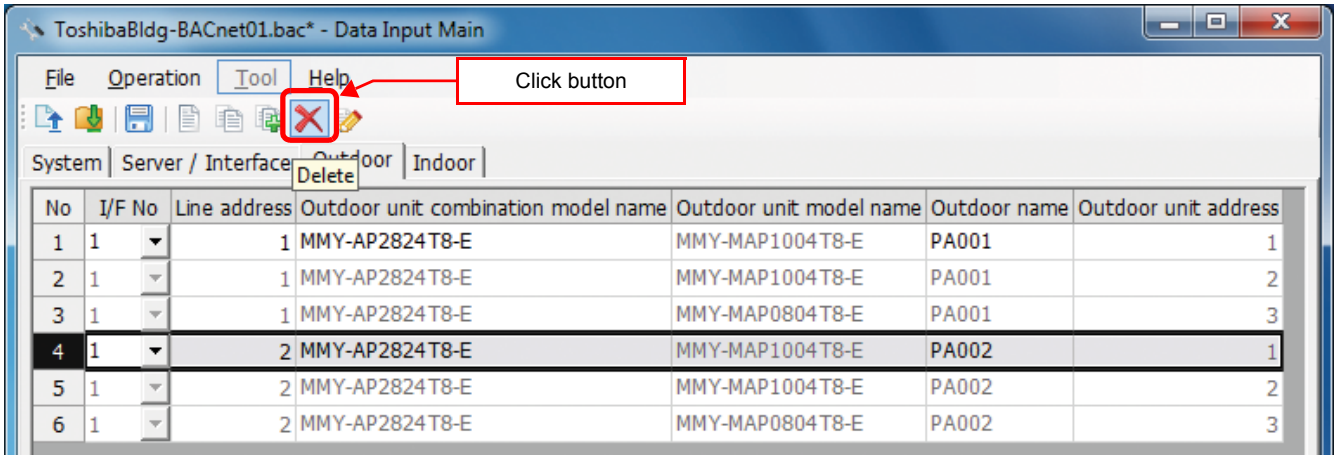


Fig.193 [Outdoor] tab (Delete button)

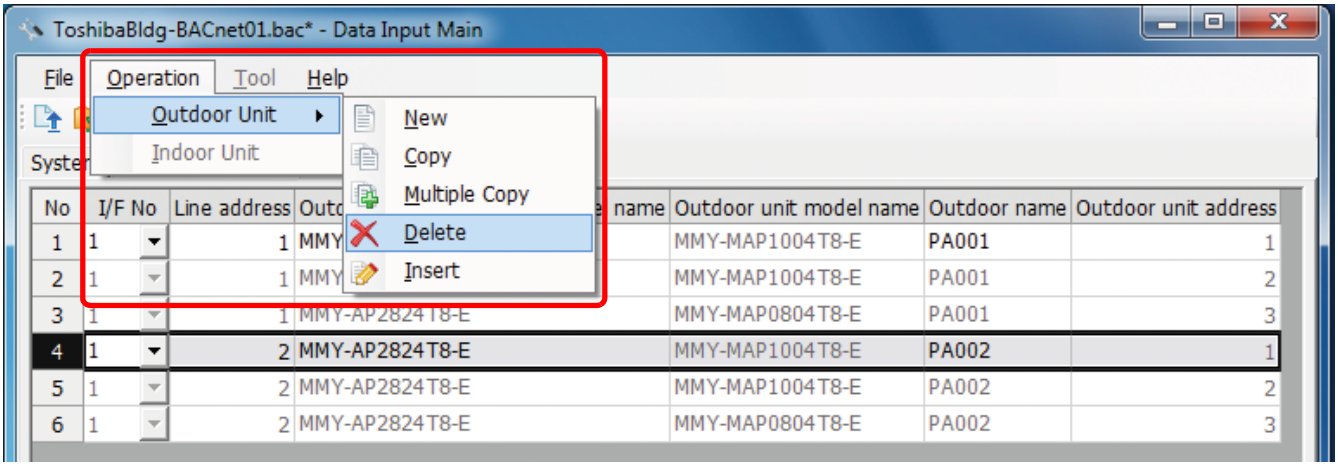


Fig.194 [Outdoor] tab (Delete menu)

The deletion confirmation dialog box appears.
Click the OK button to delete. The outdoor units will be deleted from the outdoor unit list. To cancel deletion, click the Cancel button.

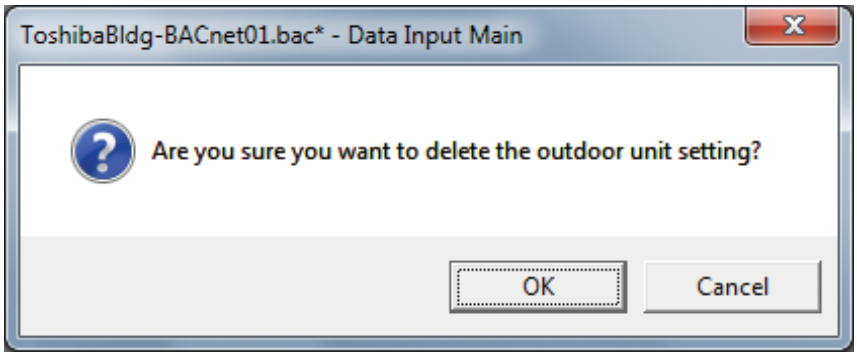


Fig.195 Deletion confirmation dialog box

Inserting an Outdoor Unit

Select a line of an outdoor unit on the [Outdoor] tab (Fig.5), and click the [Insert] button, or select the [Operation] menu > [Outdoor Unit] > [Insert]. A line will be inserted at the selected location in the outdoor unit list.

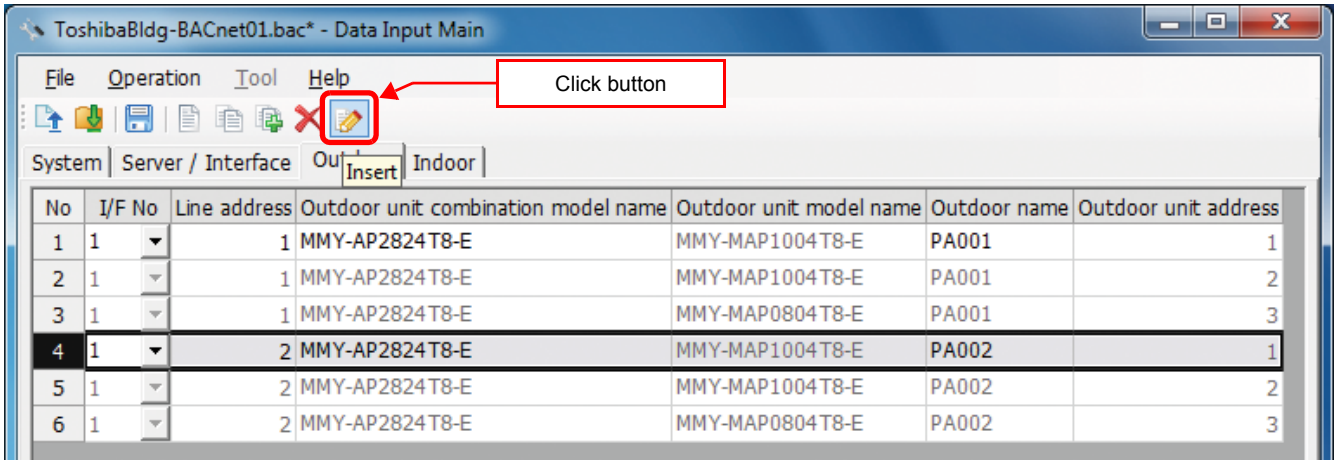


Fig.196 [Outdoor] tab (Insert button)

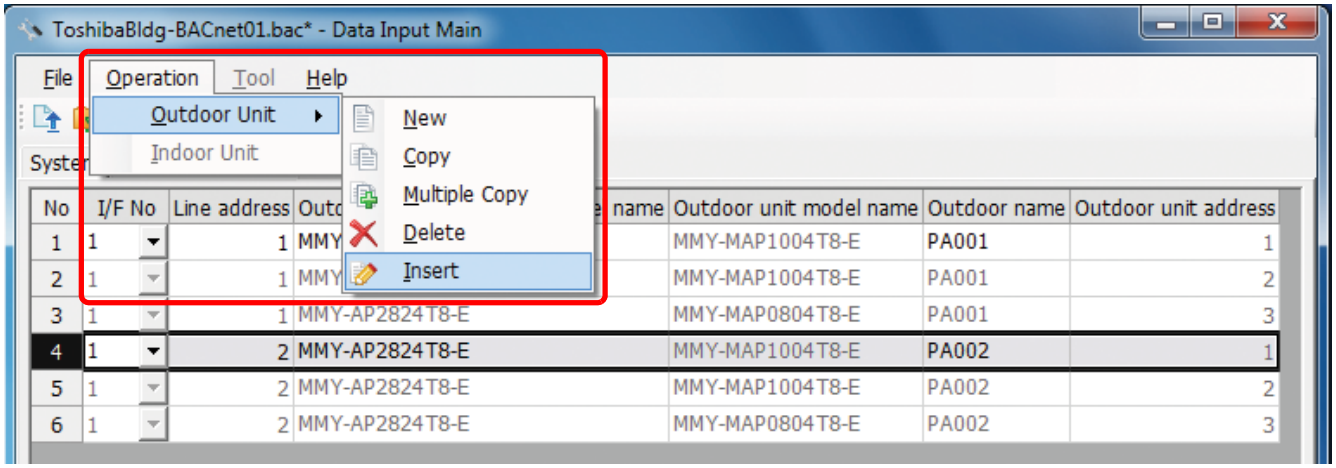


Fig.197 [Outdoor] tab (Insert menu)

EN

Adding an Indoor Unit

Click the [New] button, or select the [Operation] menu > [Indoor Unit] > [New]. A line will be added to the indoor unit list.

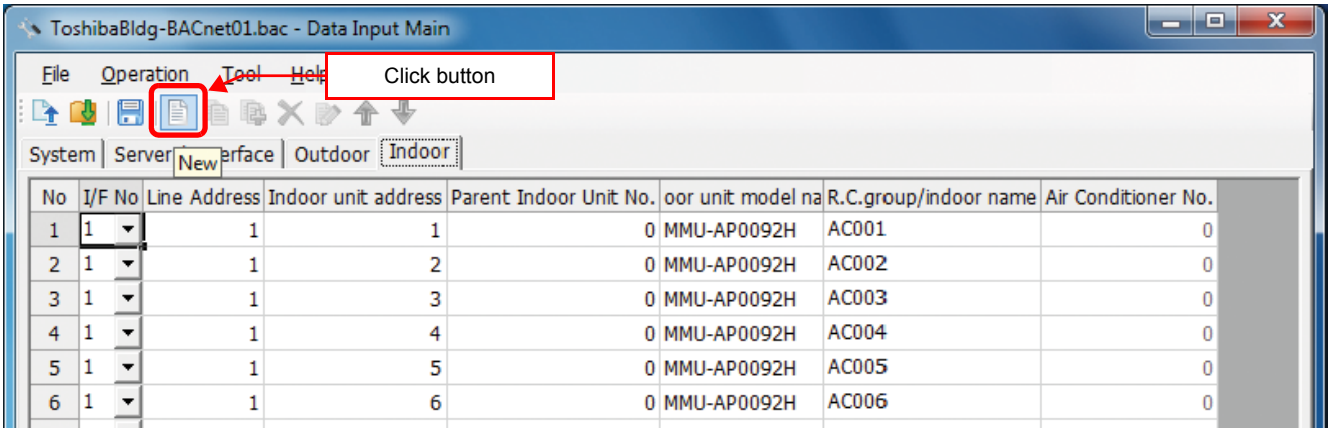


Fig.198 [Indoor] tab (New button)

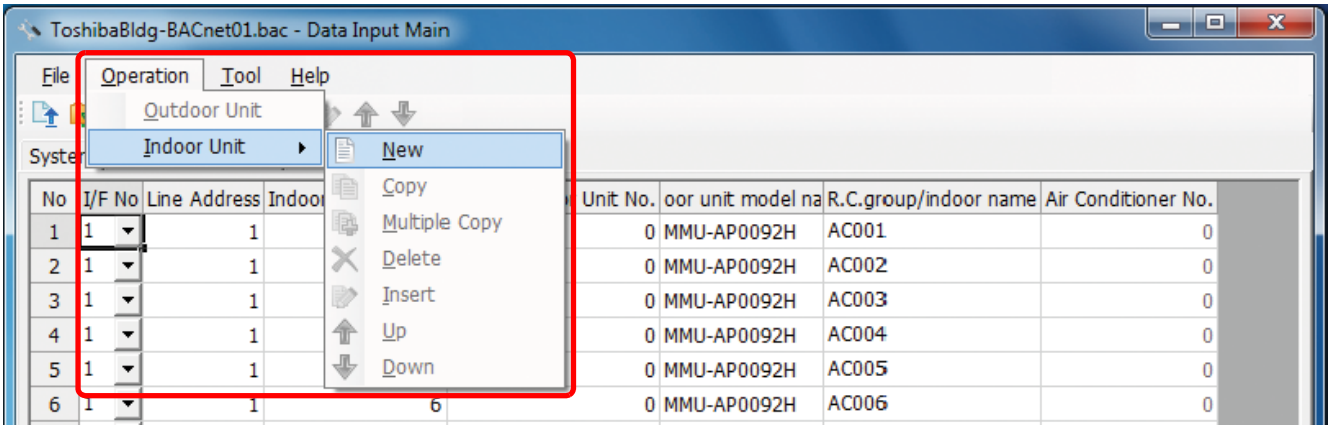


Fig.199 [Indoor] tab (New menu)

The following table shows how to enter / select data:

Item	Data type	Selection	Note
IF No	Selected by user	Select from list	
Line address	Entered by user	Numeric value only	
Indoor unit address	Entered by user	Numeric value only	
Parent Indoor Unit No.	Entered by user	Numeric value only	
Indoor unit model name	Selected by user	Select from the Select indoor unit model screen	
R.C.group / indoor name	Entered by user		
Air Conditioner No.	Cannot be edited		

Table.12 How to enter / select data

Selecting an indoor unit

Clicking a cell of an indoor unit model name on the [Indoor] tab (Fig.7) displays the Select indoor unit model screen. On the screen, double-click a cell of an indoor unit model, or select a model then click the OK button. “Indoor unit model name” will automatically become available on the [Indoor] tab (Fig.7). To cancel changing the indoor unit setting, click the Cancel button to return to the [Indoor] tab.

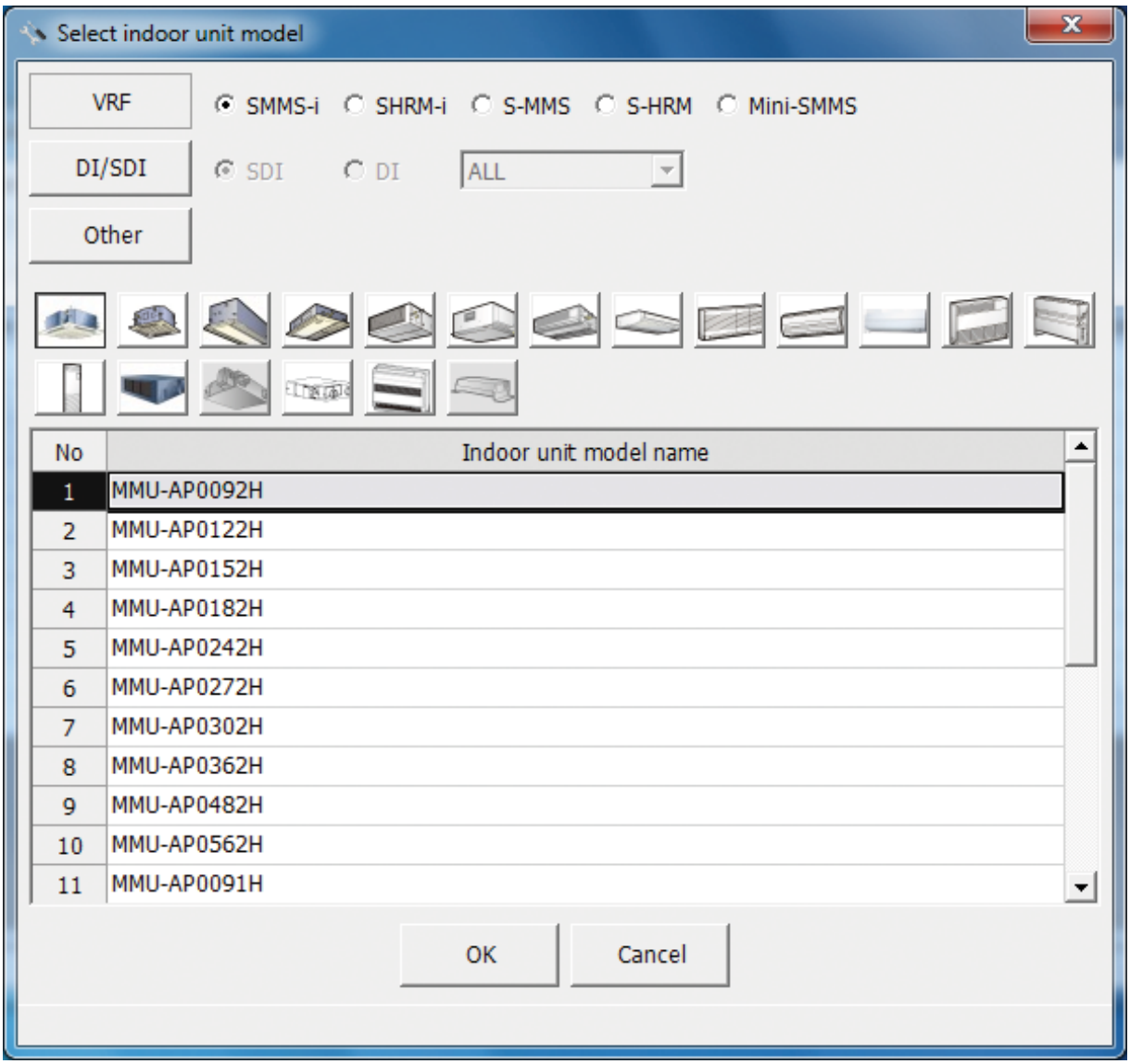


Fig.200 [Select indoor unit model] screen

EN

Copying the Data of an Indoor Unit

Select a line of an indoor unit on the [Indoor] tab (Fig.7), and click the [Copy] button, or select the [Operation] menu > [Indoor Unit] > [Copy]. The copied indoor unit will be added to the indoor unit list. The numbers of the copied “Indoor unit address” and “R.C.group / indoor name” will automatically be increased in one.

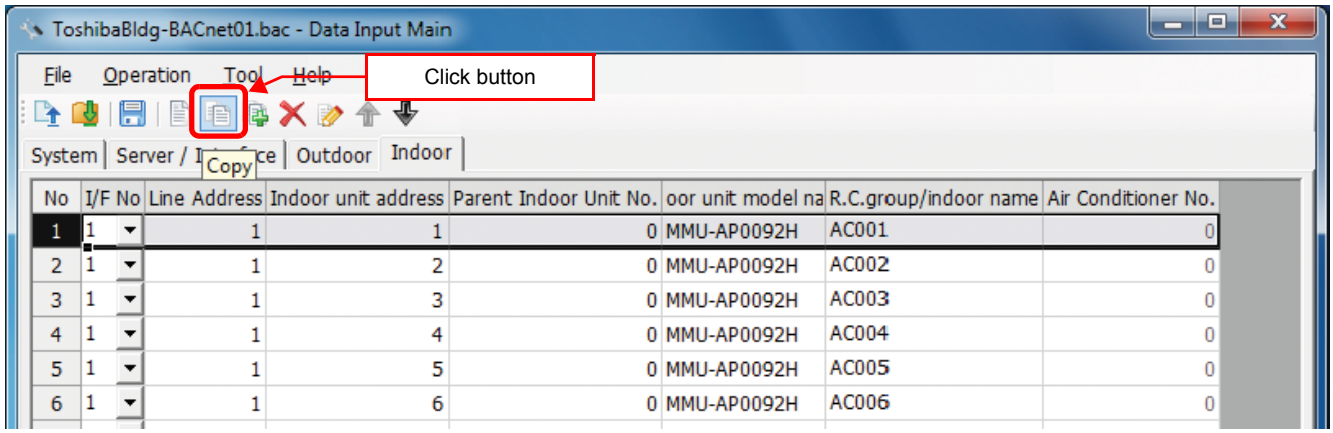


Fig.201 [Indoor] tab (Copy button)

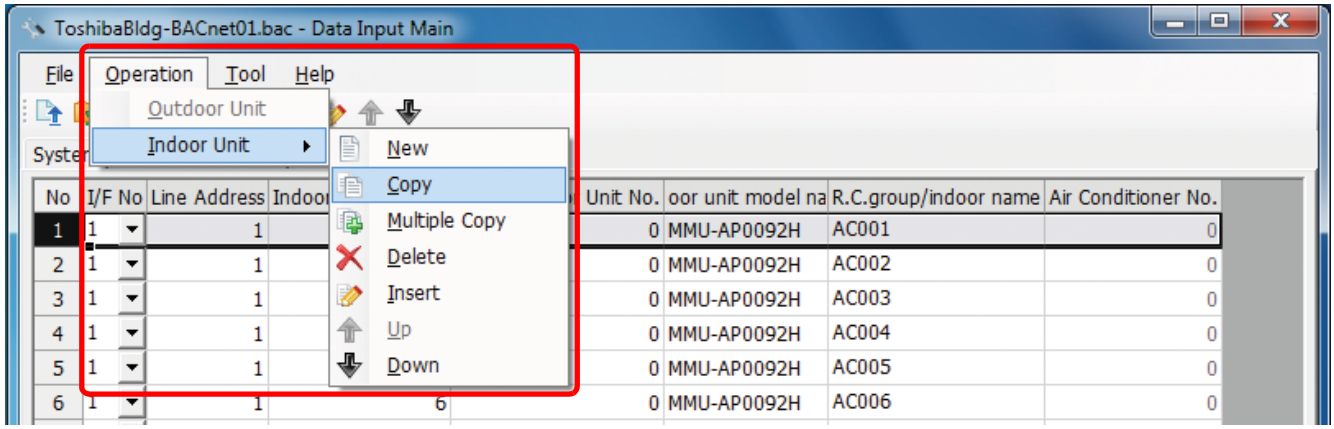


Fig.202 [Indoor] tab (Copy menu)

Copying the Data of Multiple Indoor Units

Select a line of indoor unit on the [Indoor] tab (Fig.7), and click the [Multicopy] button, or select the [Operation] menu > [Indoor Unit] > [Multicopy]. The Copy line count screen appears.

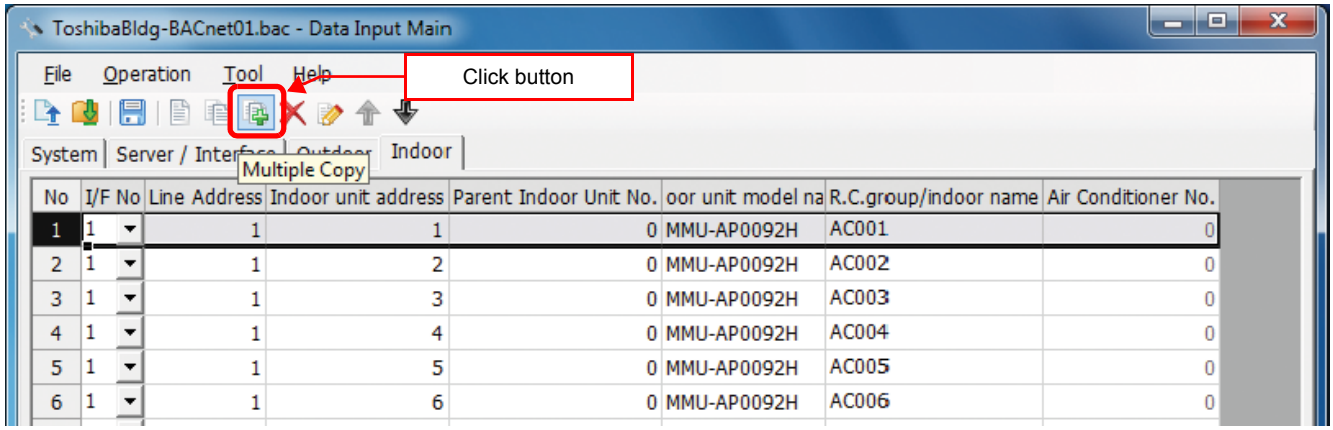


Fig.203 [Indoor] tab (Multicopy button)

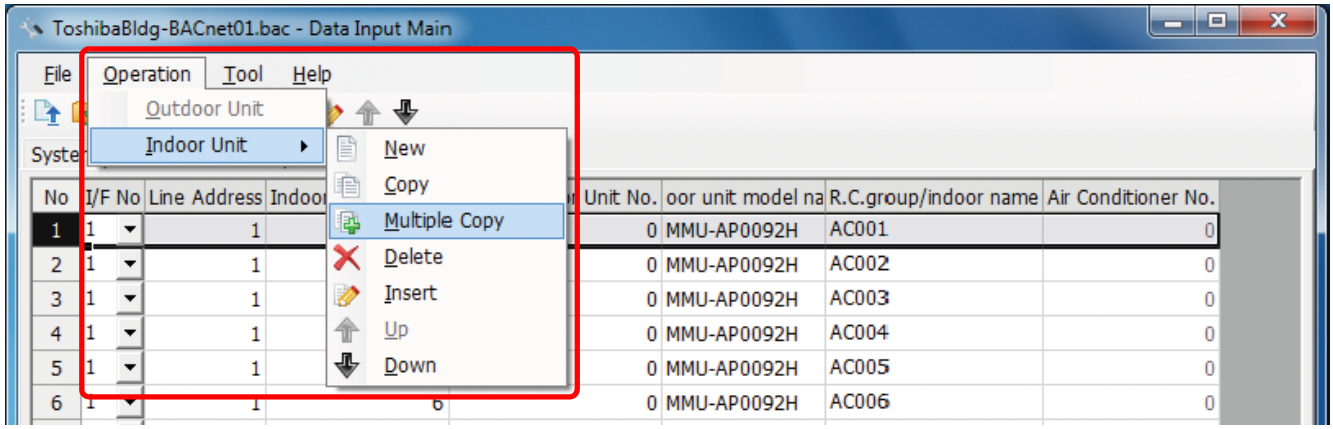


Fig.204 [Indoor] tab (Multicopy menu)

Enter the copy count, then click the OK button. The copied indoor units will be added to the indoor unit list. The numbers of the copied “Indoor unit address” and “R.C.group / indoor name” will automatically be increased in one.

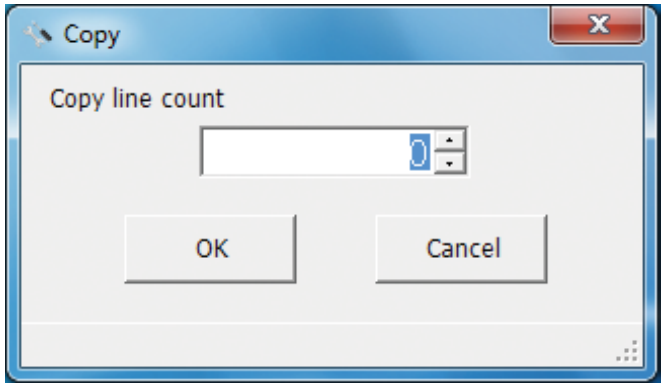


Fig.205 [Copy line count] screen

EN

Deleting the Indoor Units

Select one or more lines of indoor units on the [Indoor] tab (Fig.7), and click the [Delete] button, or select the [Operation] menu > [Indoor Unit] > [Delete].

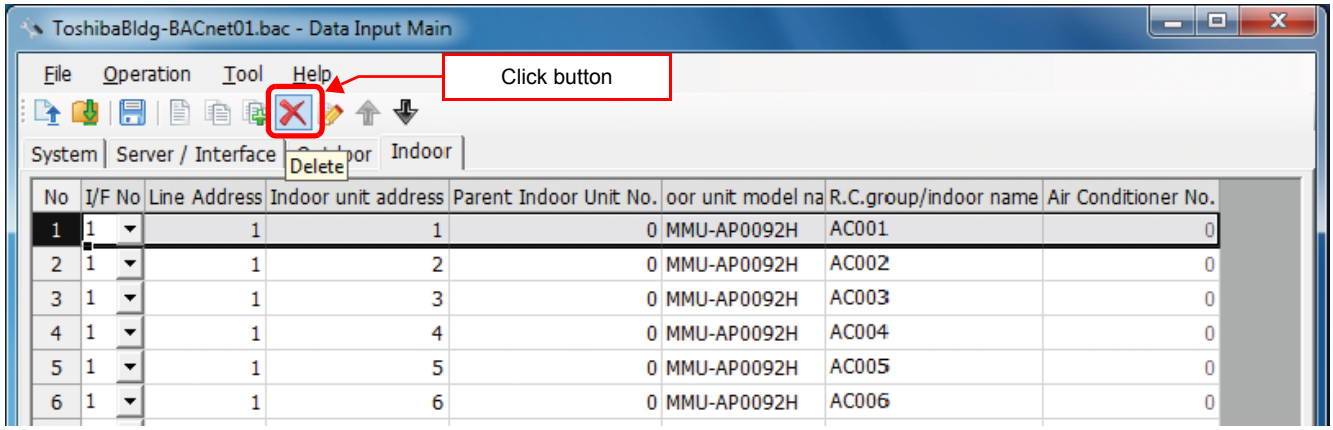


Fig.206 [Indoor] tab (Delete button)

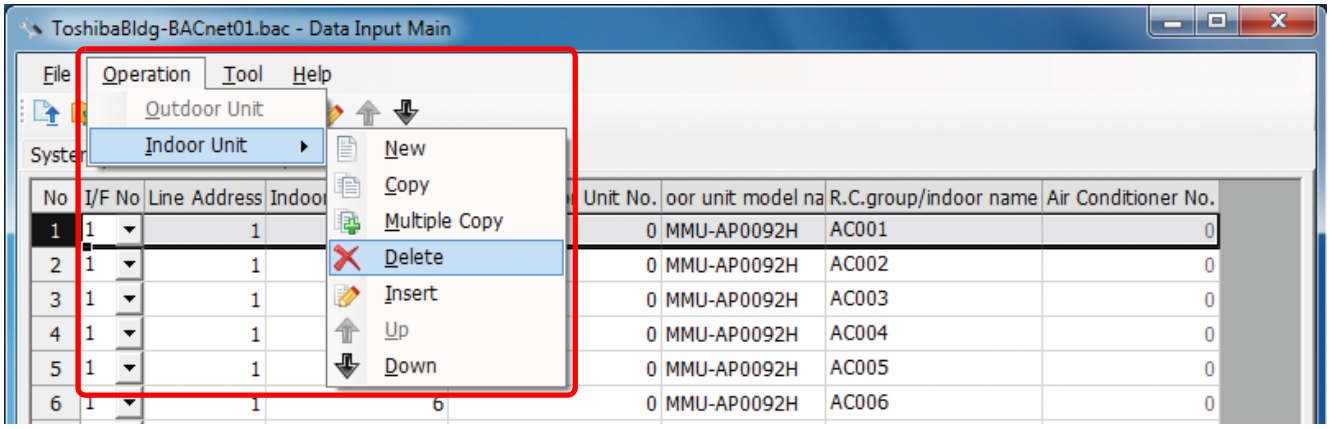


Fig.207 [Indoor] tab (Delete menu)

The deletion confirmation dialog box appears.
Click the OK button to delete. The indoor units will be deleted from the indoor unit list. To cancel deletion, click the Cancel button.

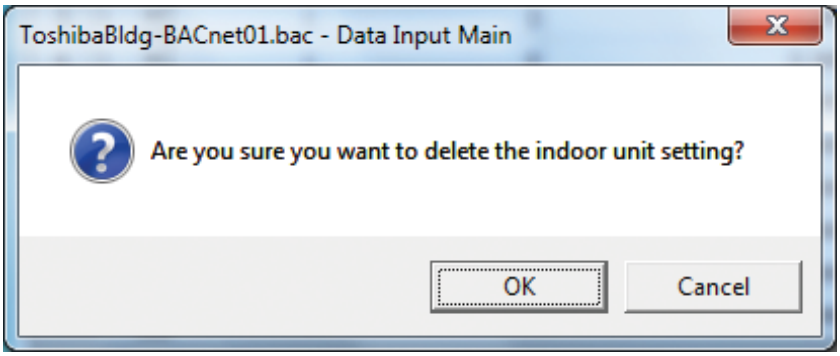


Fig.208 Deletion confirmation dialog box

Inserting an Indoor Unit

Select a line of an indoor unit on the [Indoor] tab (Fig.7), and click the [Insert] button, or select the [Operation] menu > [Indoor Unit] > [Insert]. A line will be inserted at the selected location in the indoor unit list.

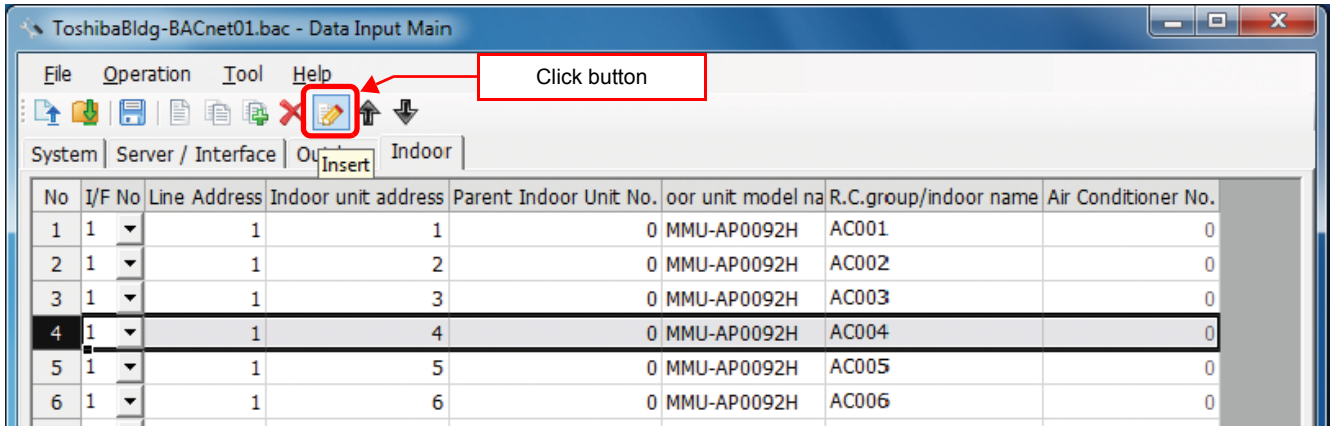


Fig.209 [Indoor] tab (Insert button)

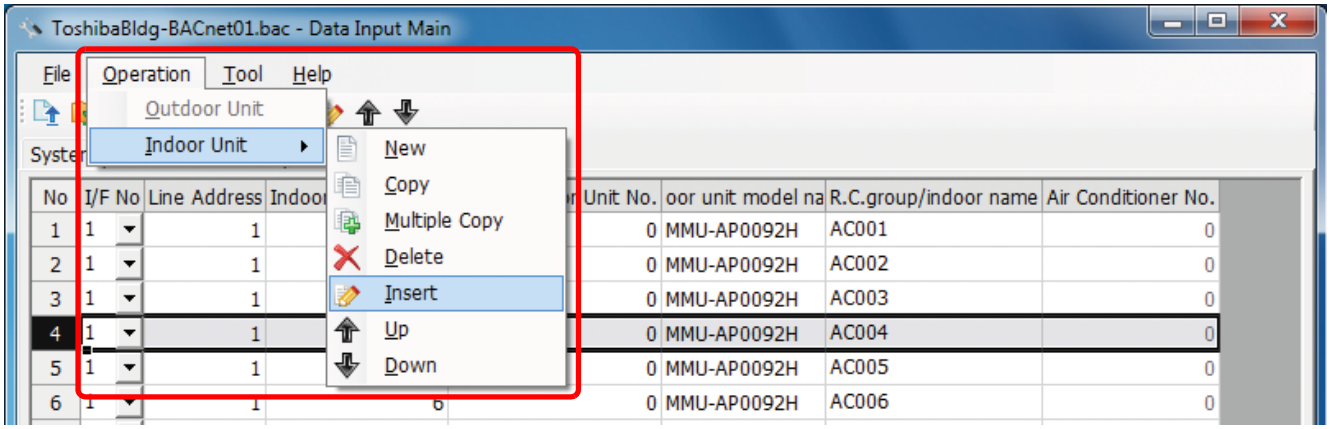


Fig.210 [Indoor] tab (Insert menu)

EN

Changing the Order of the Indoor Units

Select a line of an indoor unit on the [Indoor] tab (Fig.7), and click the [Up] / [Down] button, or select the [Operation] menu > [Indoor Unit] > [Up] / [Down]. The selected line moves up or down.

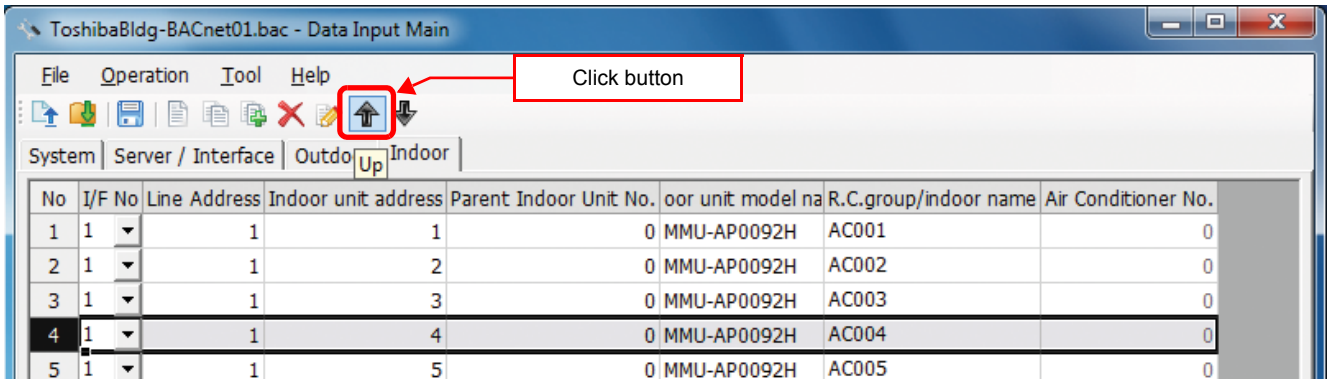


Fig.211 [Indoor Unit] tab (Up button)

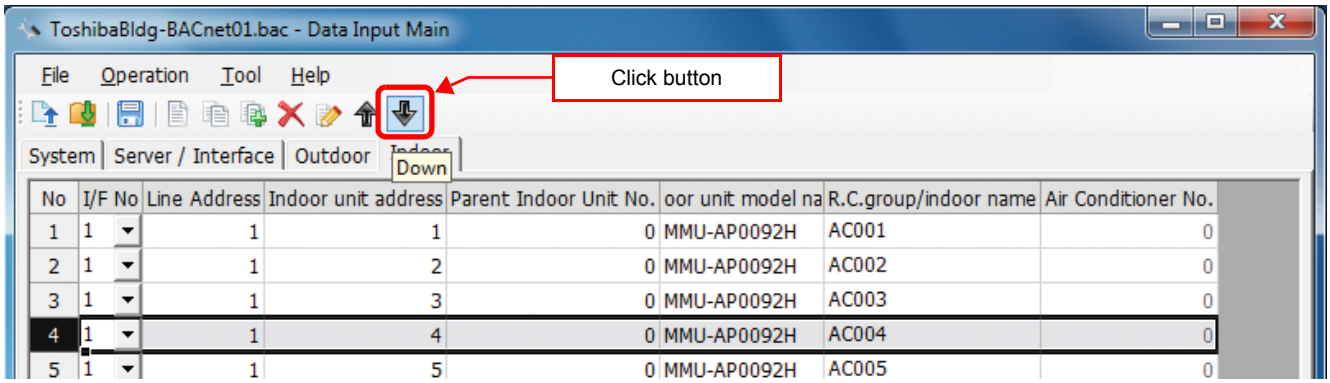


Fig.212 [Indoor Unit] tab (Down button)

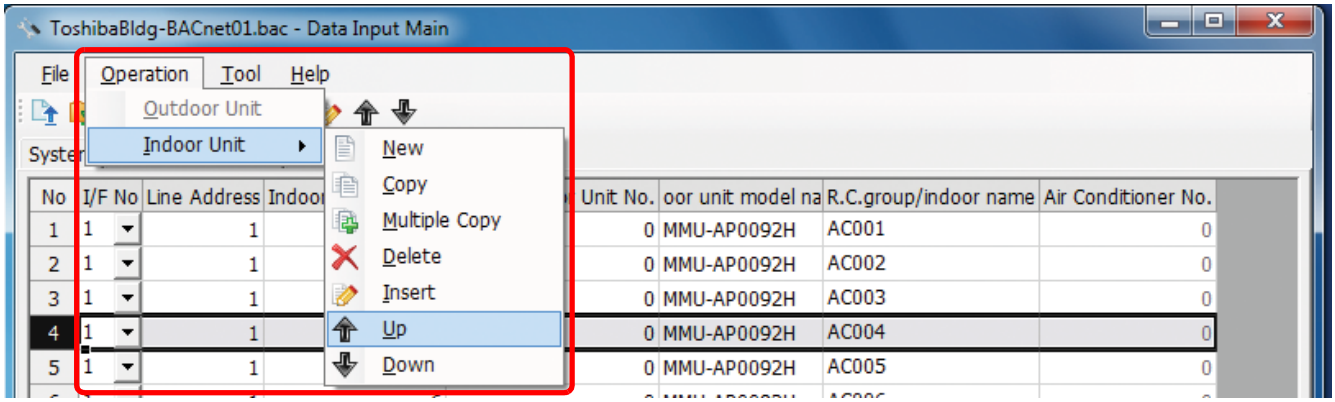


Fig.213 [Indoor Unit] tab (Up menu)

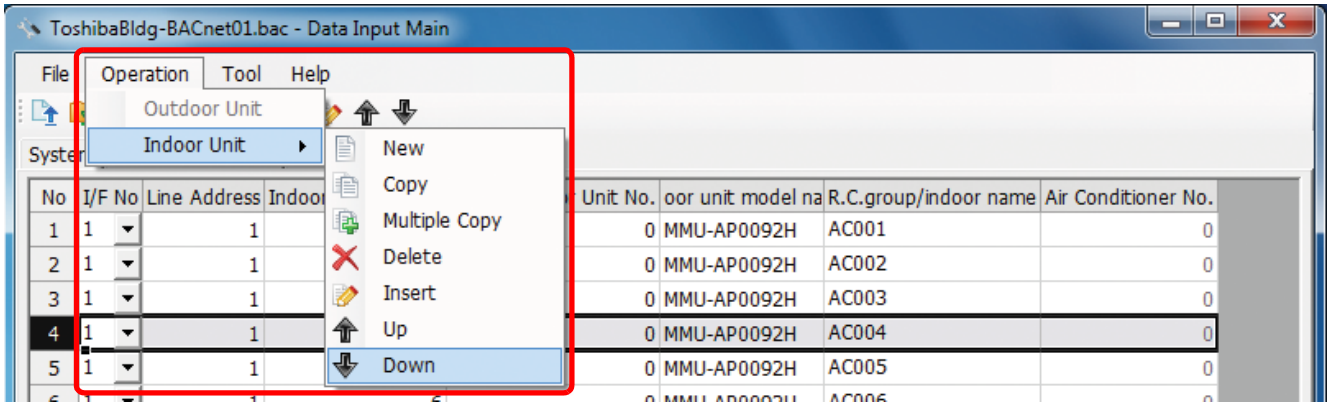


Fig.214 [Indoor Unit] tab (Down menu)

Adding an RegisterForeignDevice (BMS-STBN10UL only)

Select the in [RegisterForeignDevice] tab in [Control Setting (Communication)] tab, and click [Add] button. After a click, a line is added to the list. Configure the settings for BBMD (BACnet/IP Broadcast Management Device). A maximum of 10 lines can be registered.

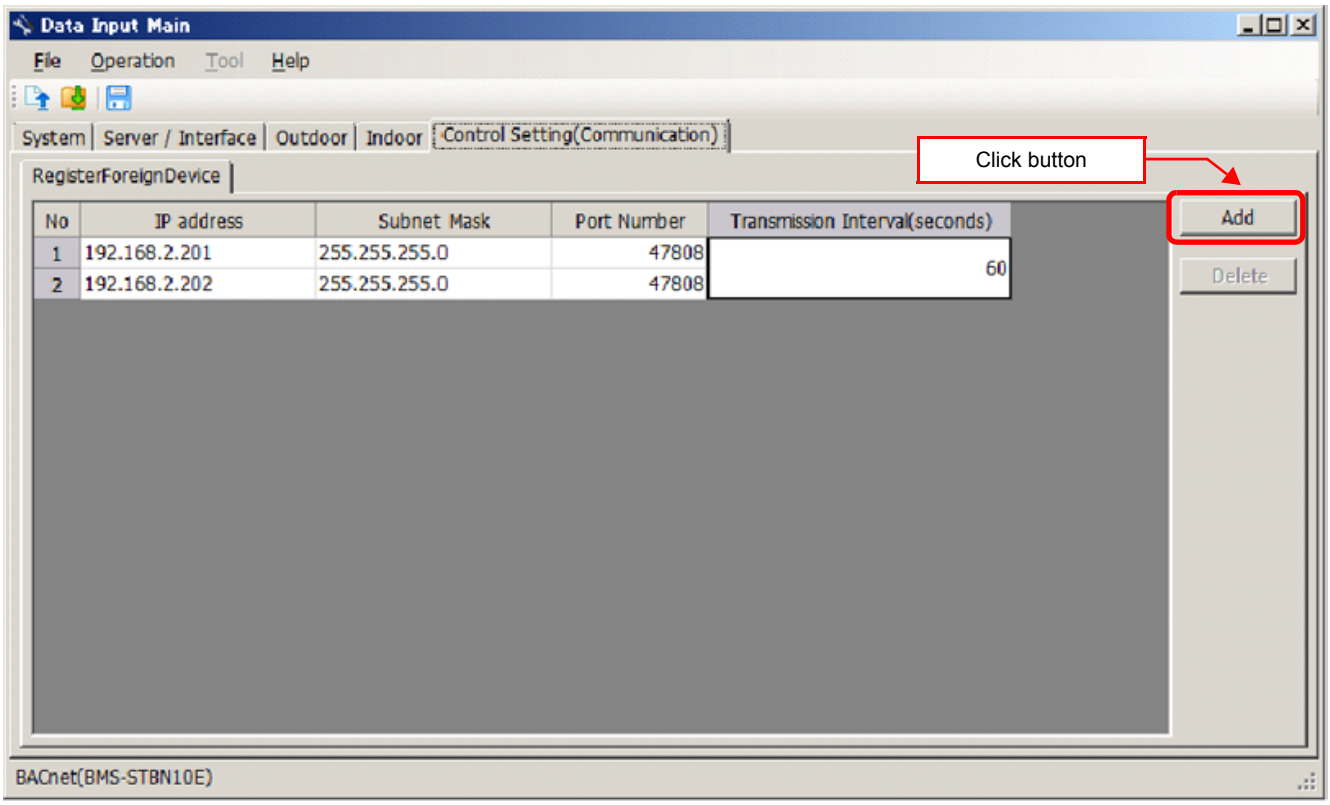


Fig.215 [RegisterForeignDevice] tab

The following table shows how to enter / select data:

Item	Data type	Selection	Note
IP address	Entered by user	Numeric value only	
Subnet Mask	Entered by user	Numeric value only	
Port Number	Entered by user	Numeric value only	
Transmission Interval (second)	Entered by user	Numeric value only	60~65535

EN

Deleting the Data of RegisterForeignDevice

Select one or more lines of Foreign BACnet Device, click the [Delete] button.

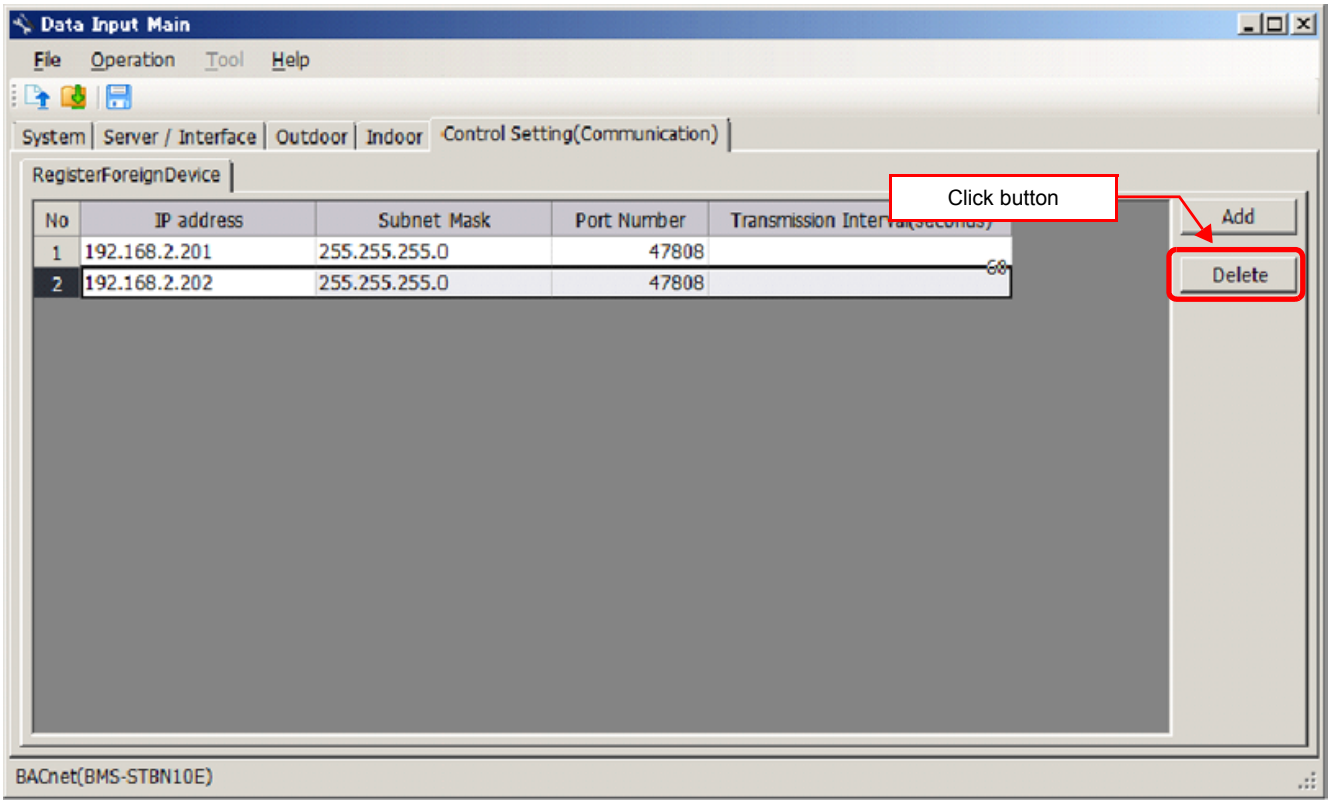


Fig.215-1 [RegisterForeignDevice] tab ([Delete] button)

The deletion confirmation dialog box appears.
Click the OK button to delete. The line will be deleted from the list. To cancel deletion, click the Cancel button.

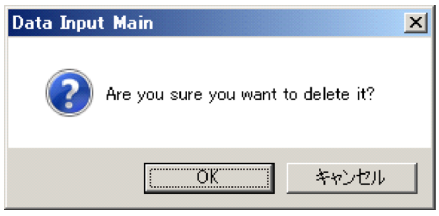


Fig.215-2 Deletion confirmation dialog box

Setting an Object (BMS-STBN10UL only)

Select the in [Object] tab in [Control Setting (Communication)] tab, configure the Event Transmit, COV ON/OFF, Event State, Status Flags, Limit Enable and Event Priority settings for each Object.

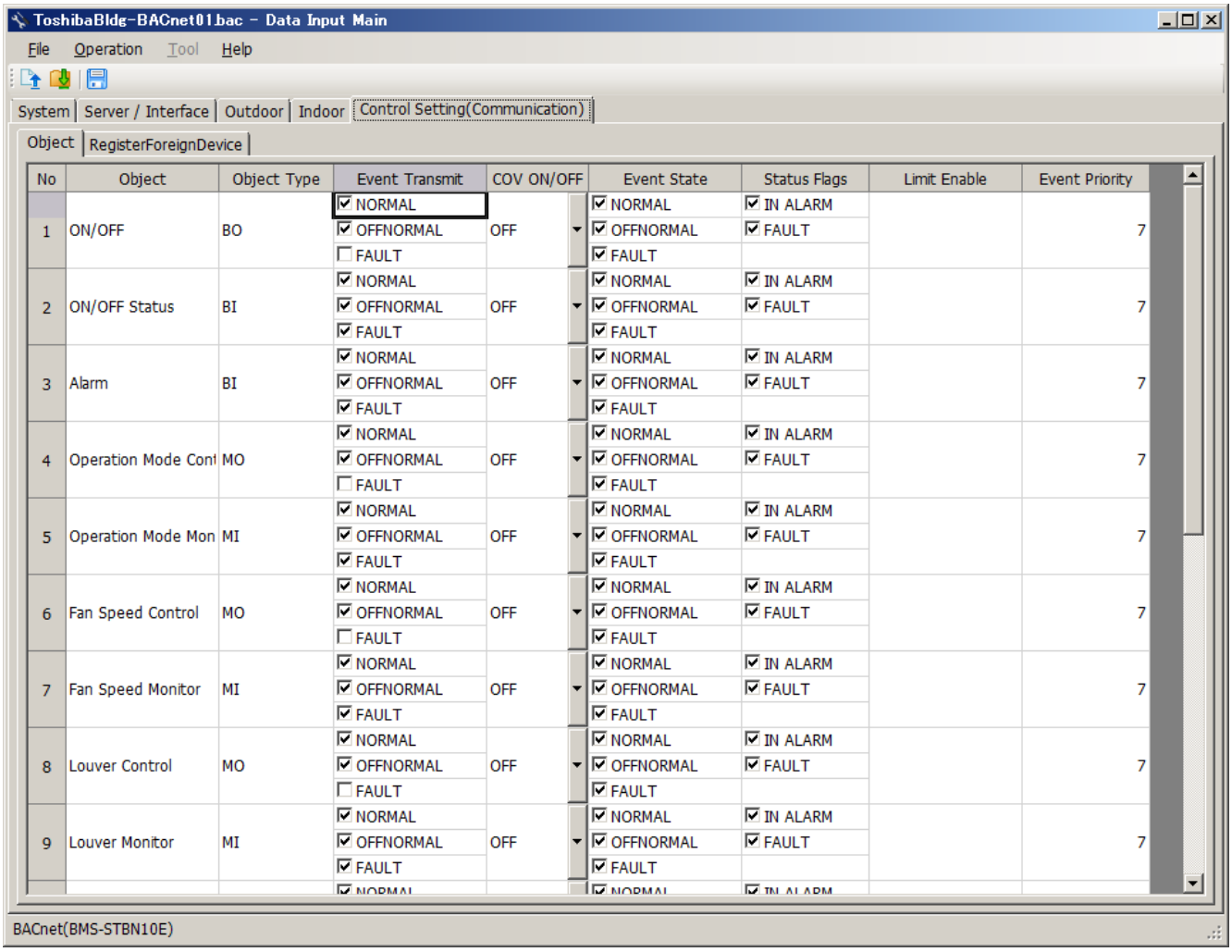


Fig.216 [Object] tab

The following table shows how to enter / select data:

Item	Data type	Selection	Note
Event Transmit	Selected by user	Select from checkbox	
COV ON/OFF	Selected by user	Select from list	
Event State	Selected by user	Select from checkbox	
Status Flags	Selected by user	Select from checkbox	
Limit Enable	Selected by user	Select from checkbox	
Event Priority	Entered by user		0 - 255

EN

Saving Created Data to a File

Click the [Save] button, or select the [File] menu then [Save Setting File] or [Save Setting File As].

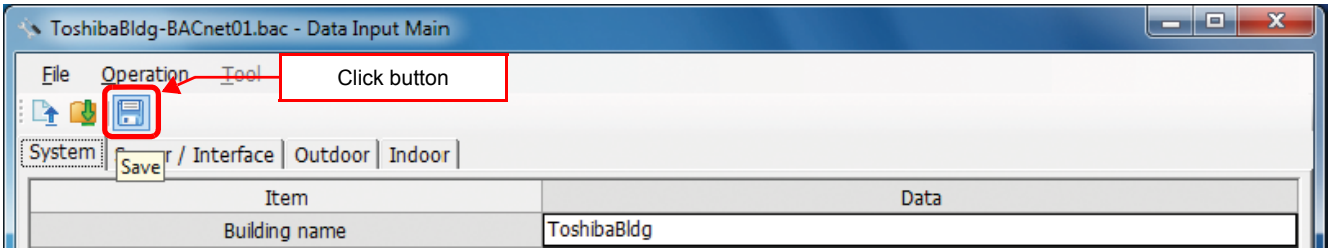


Fig.217 [Save] button

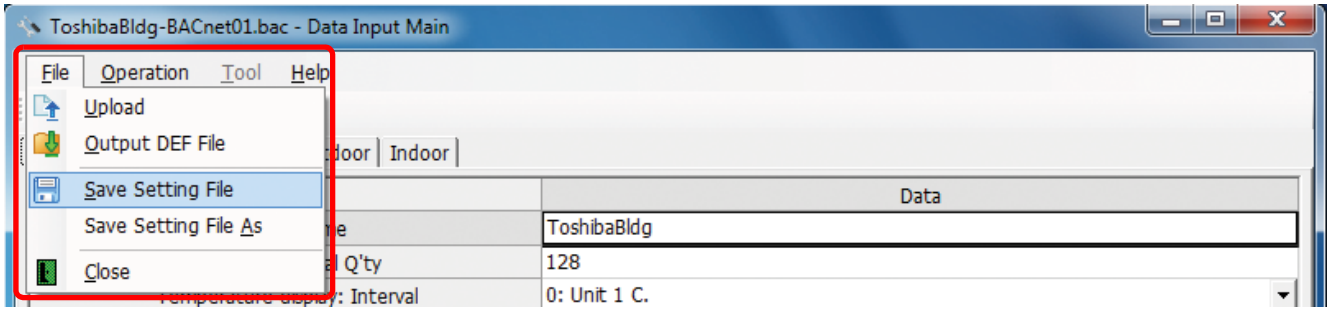


Fig.217-1 [Save Setting File] menu

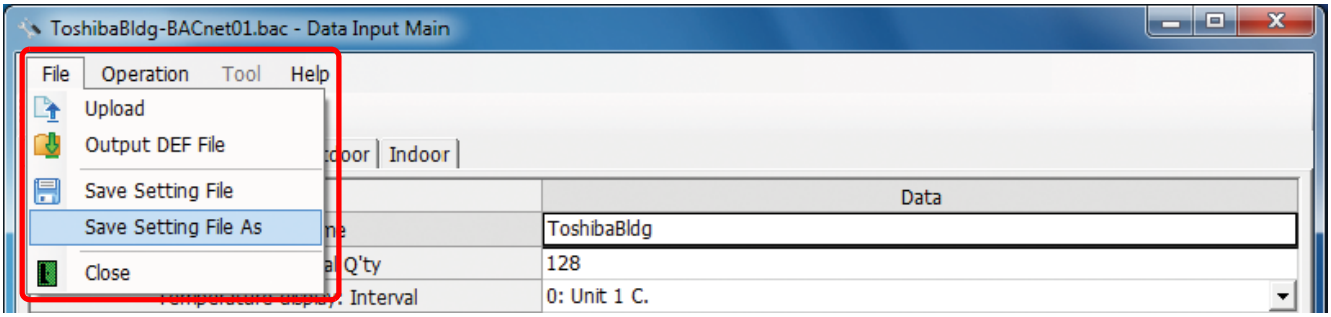


Fig.217-2 [Save Setting File As] menu

When a new file is created or the menu [Save Setting File As] is selected, the [Save As] screen appears. Select a destination folder and enter a file name.

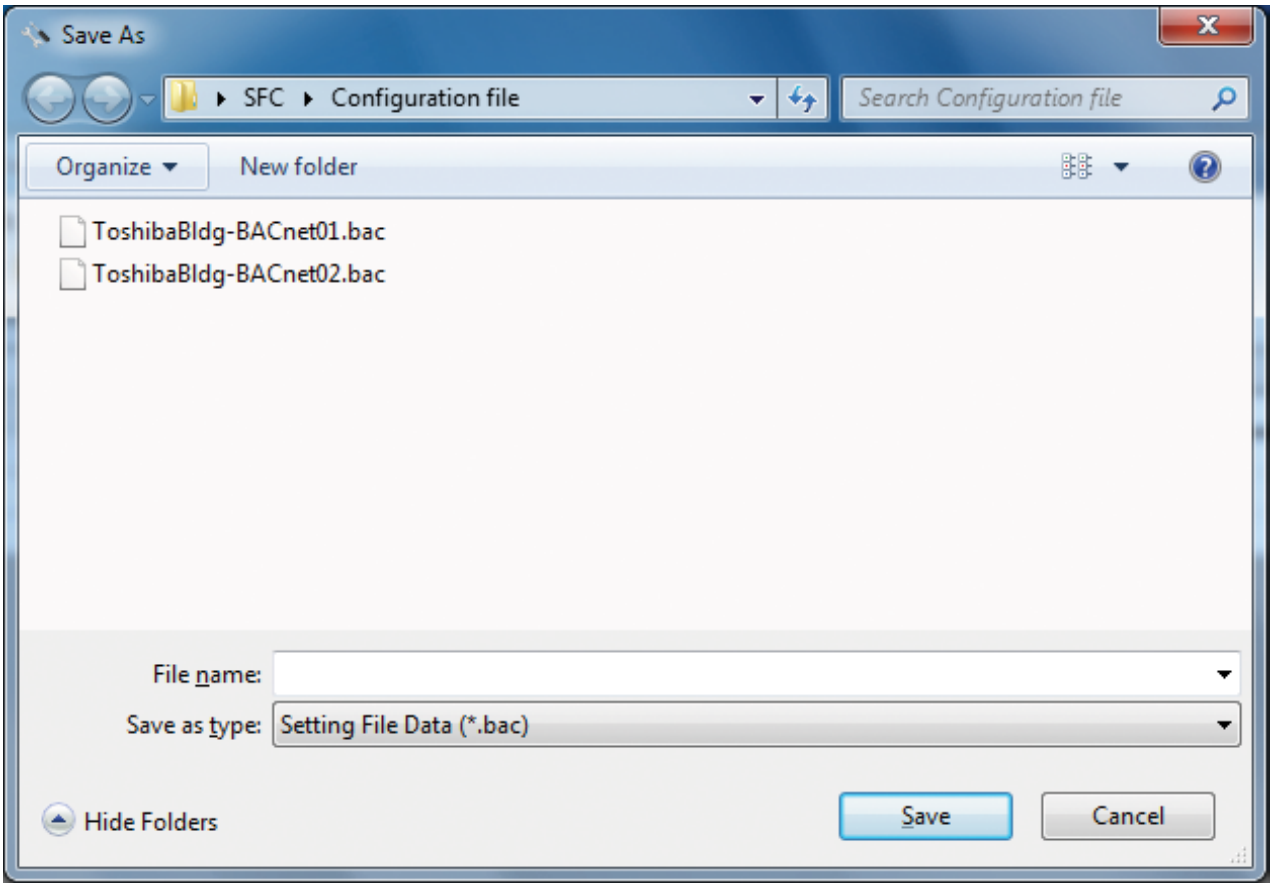


Fig.218 [Save As] screen

When the data is to be saved to an existing file, the overwrite confirmation dialog box appears. Click the OK button to overwrite the file. To cancel saving and return to the data input screen, click the Cancel button.

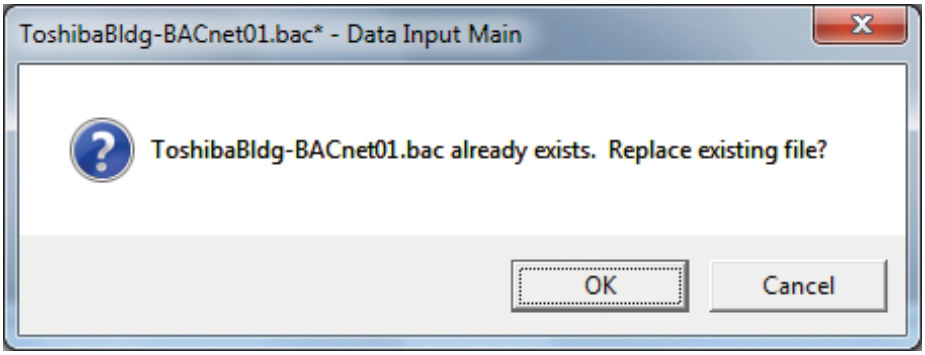
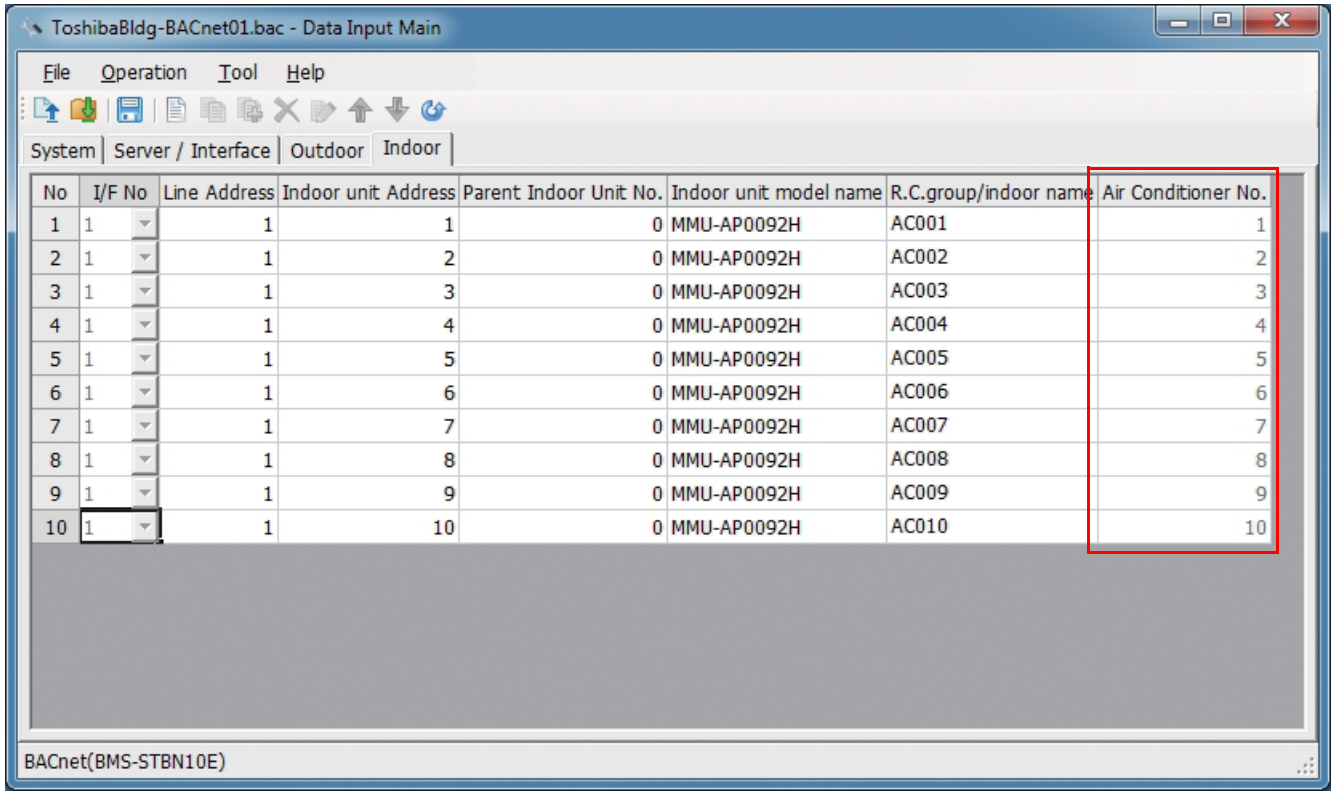


Fig.219 Overwrite confirmation dialog box

EN

Outputting Files

The air conditioner number is used as the identifier (address) for the air conditioner on the system when it is connected to the system.
This number is automatically indexed when a file is output, if an indoor unit is added, deleted, or moved on the indoor tab, the air conditioner number before the change may be different after the change.
Because of this, if the operation above is done, the air conditioner number is changed and the address may be incorrect when reconnecting to the system (The air conditioner may not operate or a different air conditioner may operate).
If you change the settings on the indoor tab, it may change the air conditioner number used on the system, therefore note that it may be necessary to reset the system when outputting the file and uploading to the BACnet local server.



No	I/F No	Line Address	Indoor unit Address	Parent Indoor Unit No.	Indoor unit model name	R.C.group/indoor name	Air Conditioner No.
1	1	1	1	0	MMU-AP0092H	AC001	1
2	1	1	2	0	MMU-AP0092H	AC002	2
3	1	1	3	0	MMU-AP0092H	AC003	3
4	1	1	4	0	MMU-AP0092H	AC004	4
5	1	1	5	0	MMU-AP0092H	AC005	5
6	1	1	6	0	MMU-AP0092H	AC006	6
7	1	1	7	0	MMU-AP0092H	AC007	7
8	1	1	8	0	MMU-AP0092H	AC008	8
9	1	1	9	0	MMU-AP0092H	AC009	9
10	1	1	10	0	MMU-AP0092H	AC010	10

Fig.220 Indoor screen

Click the [Output File] button, or select the [File] menu then [Output DEF File].

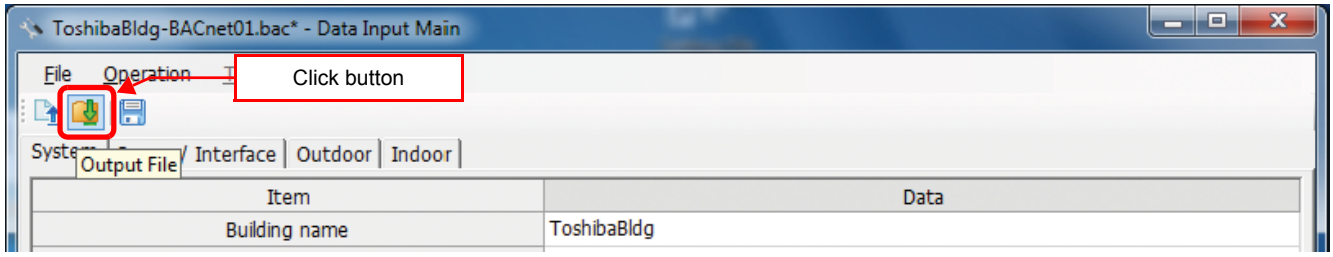


Fig.221 [Output File] button

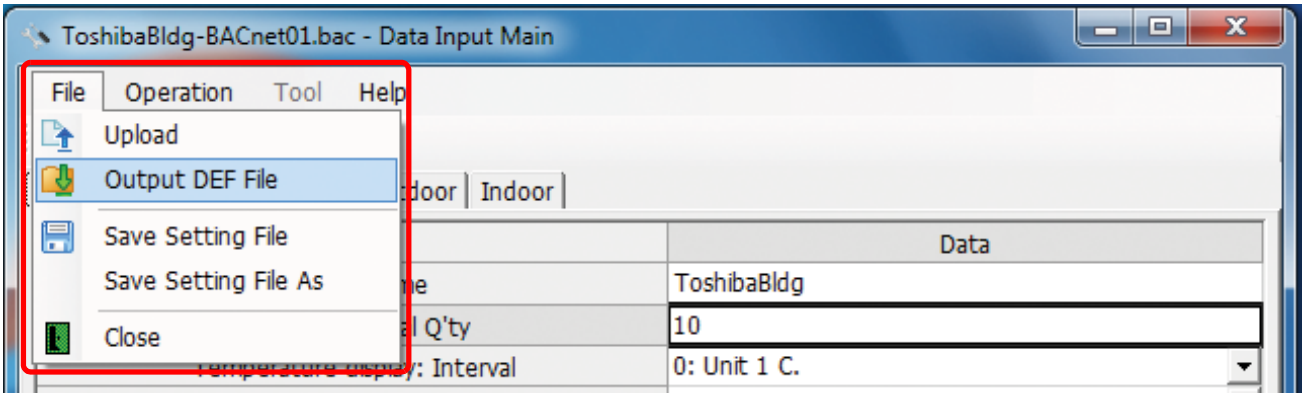


Fig.222 [Output DEF File] menu

The overwrite confirmation dialog box appears. Click the OK button to Overwrite the file. To cancel saving and return to the data input screen, click the cancel button.

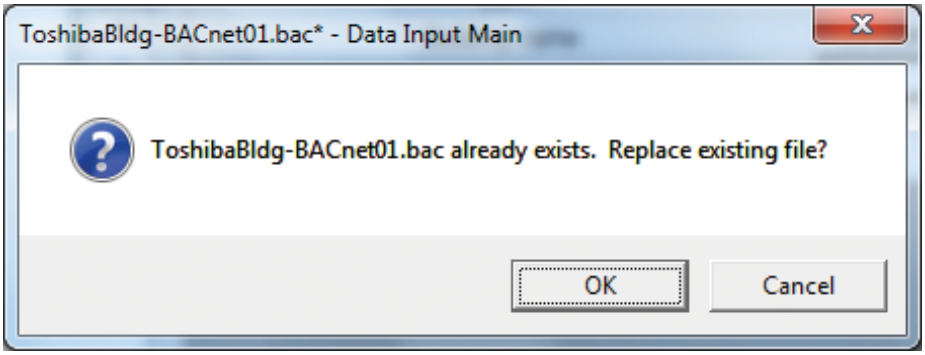


Fig.223 Overwrite confirmation dialog box

The Browse For Folder screen appears. Select a destination folder to save the DEF file to.

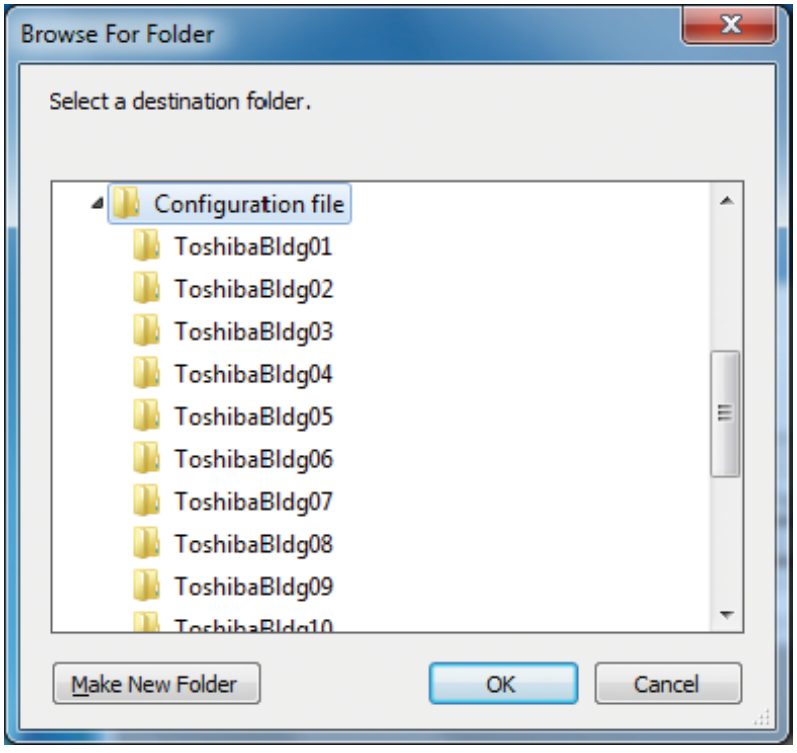


Fig.224 [Browse For Folder] screen

EN

The entered data will be checked. If the data contains an error, the item and error message box appear. Modify the section containing the error.

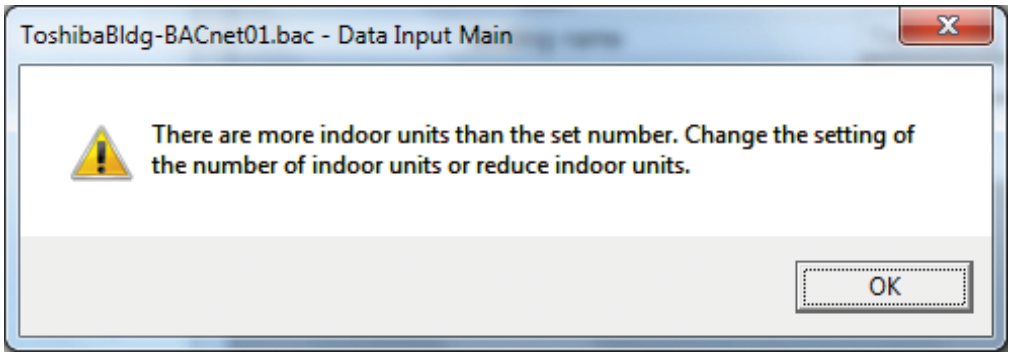


Fig.225 Example of error message box

When the DEF file output is complete, a message appears. Select the “Start up the upload screen.” checkbox and click the OK button. The upload screen appears.

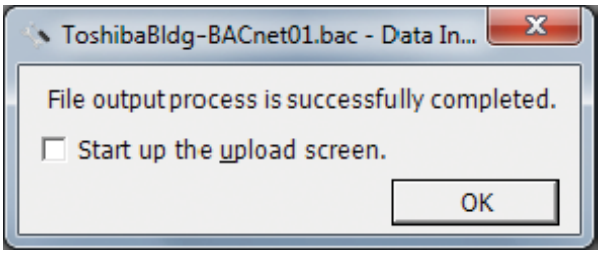


Fig.226 DEF file output complete dialog box

Deleting a File History

You can delete a selected history item or all the history items.

- Delete Selected History
- Delete All

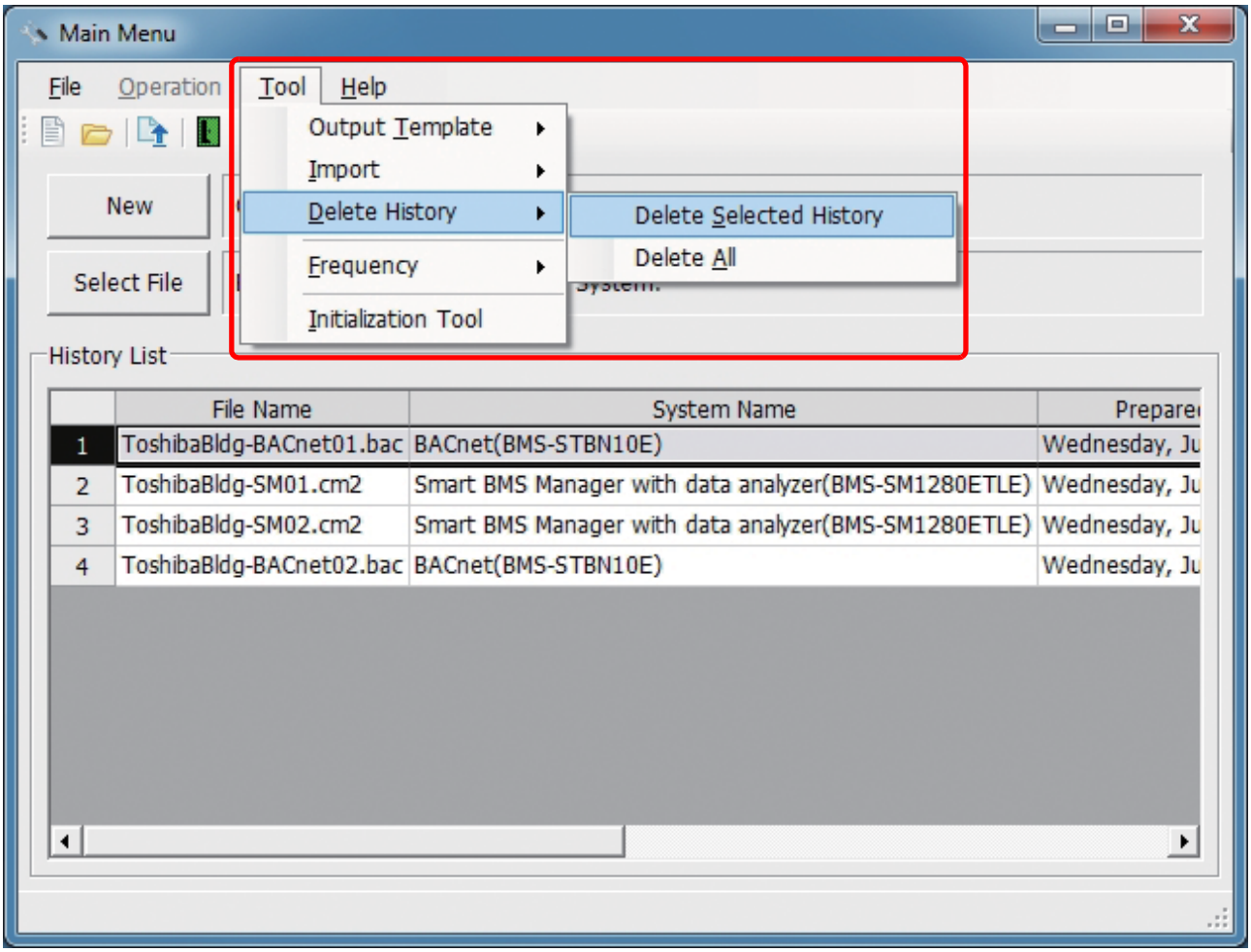


Fig.227 [Main Menu] screen (Delete History)

The deletion confirmation dialog box appears.
Click the OK button to delete. The history item will be deleted from the History List. To cancel deletion, click the Cancel button.

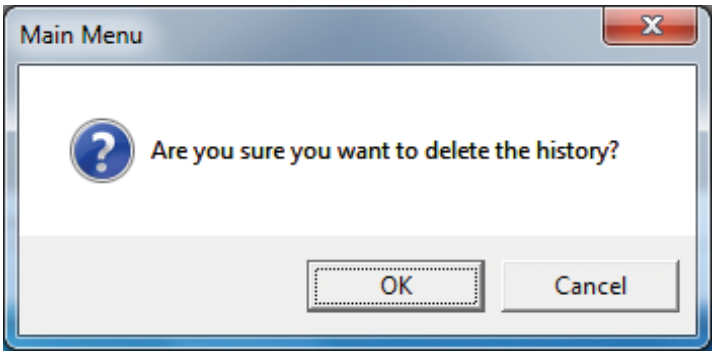


Fig.228 Deletion confirmation dialog box

EN

■ Uploading a setting file (DEF File)

Uploading a Setting File (DEF File)

Click the [Upload] button or select the [File] menu then [Upload] on the [Main Menu] screen (Fig.1) or [Data Input Main] screen (Fig.3). The Upload Settings screen (Fig.13) appears.

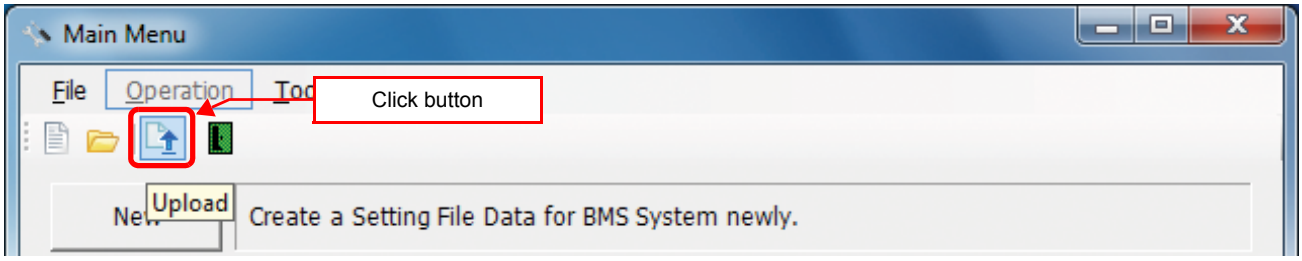


Fig.229 [Main Menu] screen (Upload button)

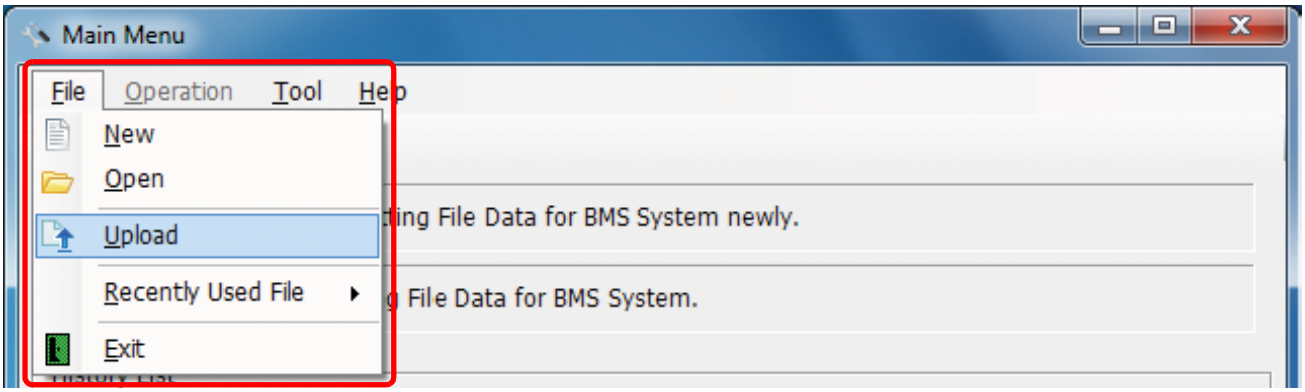


Fig.230 [Main Menu] screen (Upload menu)

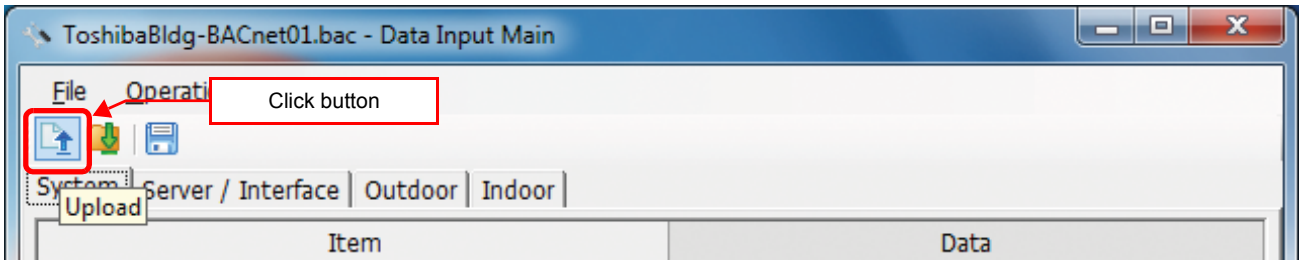


Fig.231 [Data Input Main] screen (Upload button)

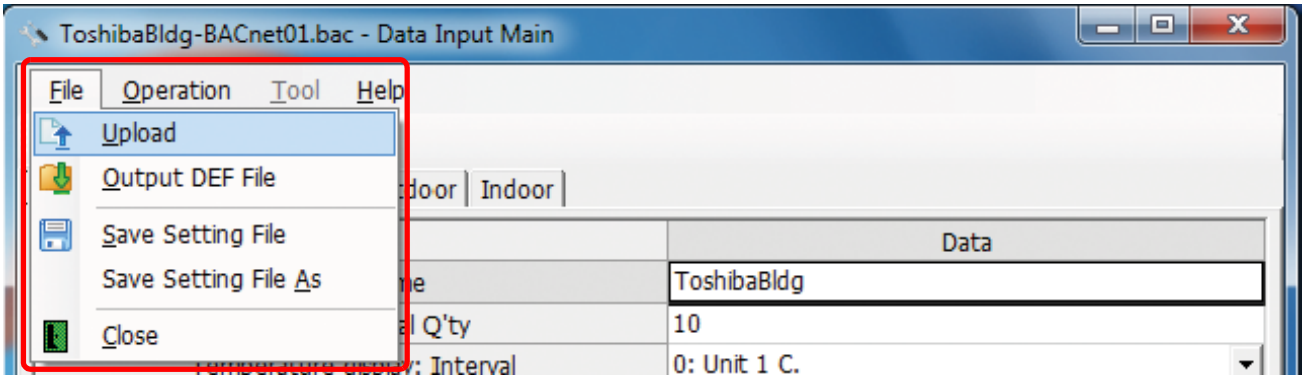


Fig.232 [Data Input Main] screen (Upload menu)

Specifying Setting File Data

Specify the setting file data to upload.

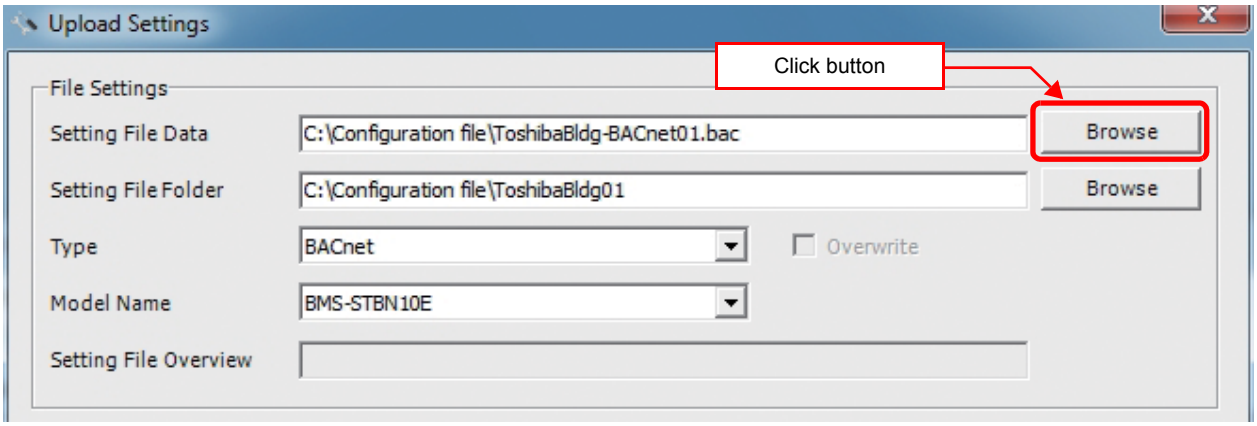


Fig.233 [Upload Settings] screen (Specify file directly)

Select a file on the Open screen.

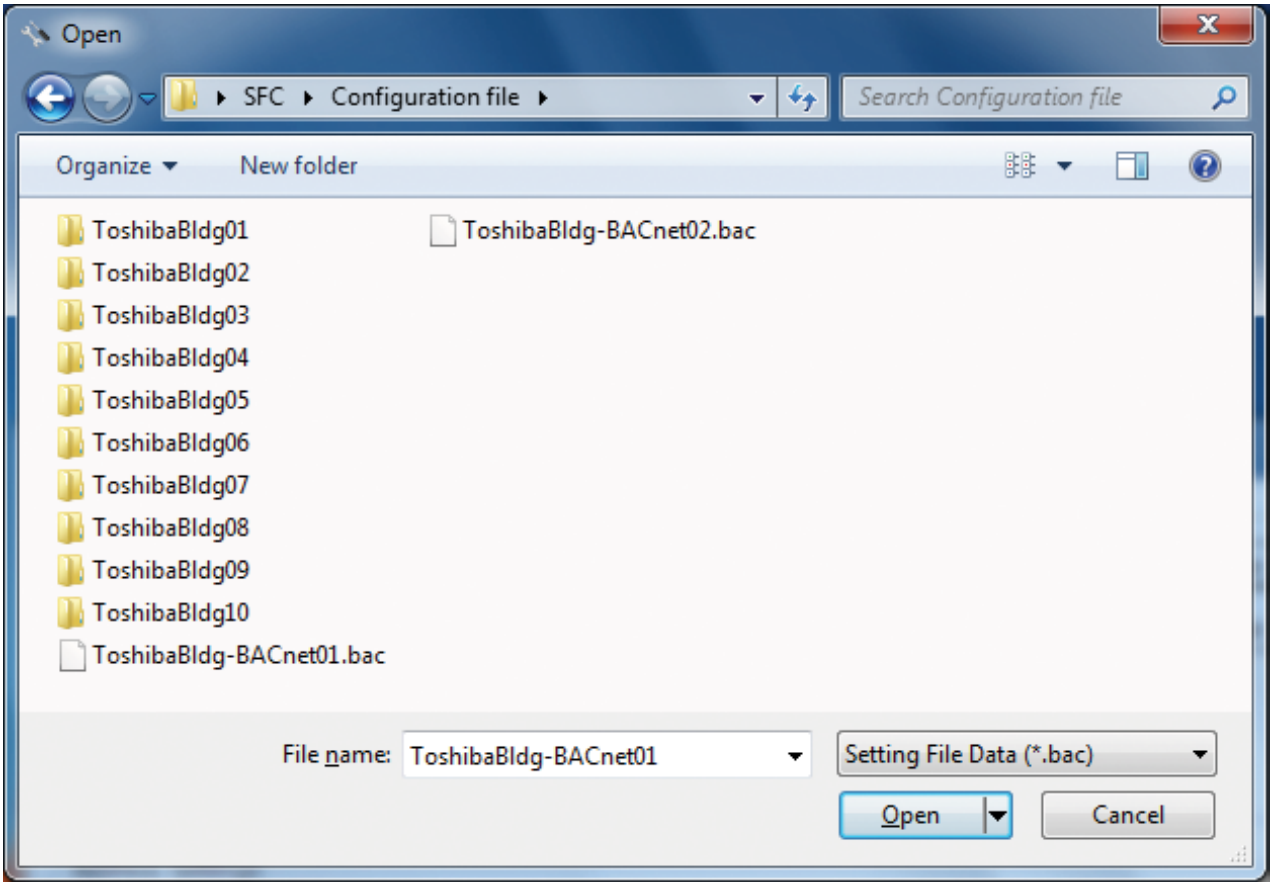


Fig.234 [Open] screen

EN

Specifying a Setting File Folder

Select a folder.
When setting file data is specified, the folder is automatically selected depending on the setting.

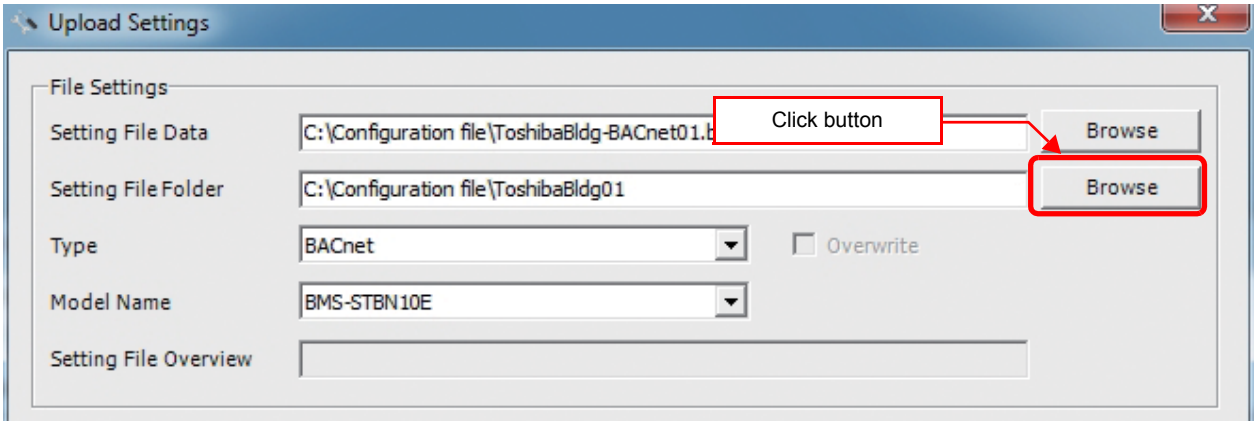


Fig.235 [Upload Settings] screen (Specify folder directly)

Select a folder containing the setting file on the Browse For Folder screen.

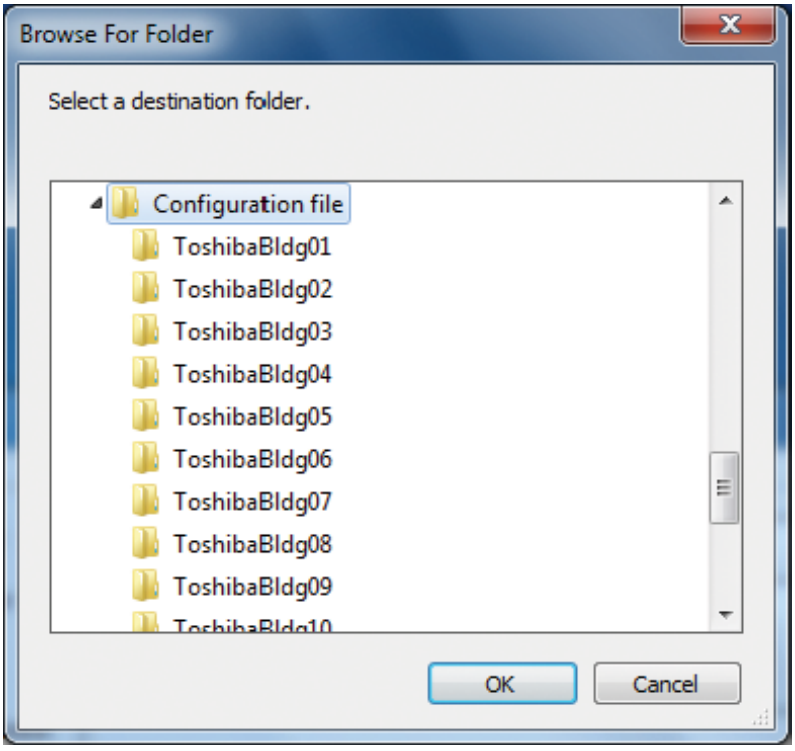


Fig.236 [Browse For Folder] screen

Specifying a Target System (type and model name)

Select a destination system to upload the file to.
When Setting File Data is specified, the target system is automatically set to “BACnet” & “BMS-STBNxxx”.

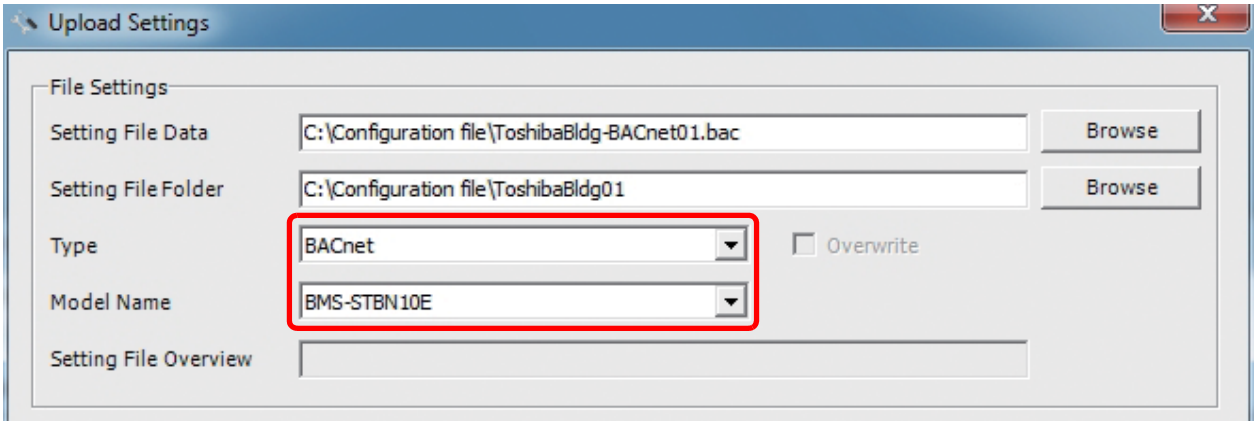


Fig.237 [Upload Settings] screen (Type, Model Name)

Regarding the IP address (Factory setting of Port1 IP address: 192.168.1.100)

If the target system is BACnet, uploading to the server can only be done from Port2 of the BACnet server. The IP address of Port2 is fixed as 192.168.0.99, the IP address of Port2 cannot be changed. Also, before uploading it is necessary to change the IP address to 192.168.0.98 and the subnet mask to 255.255.255.0 for the PC that is using this software. If the change is not done, the upload is not possible.

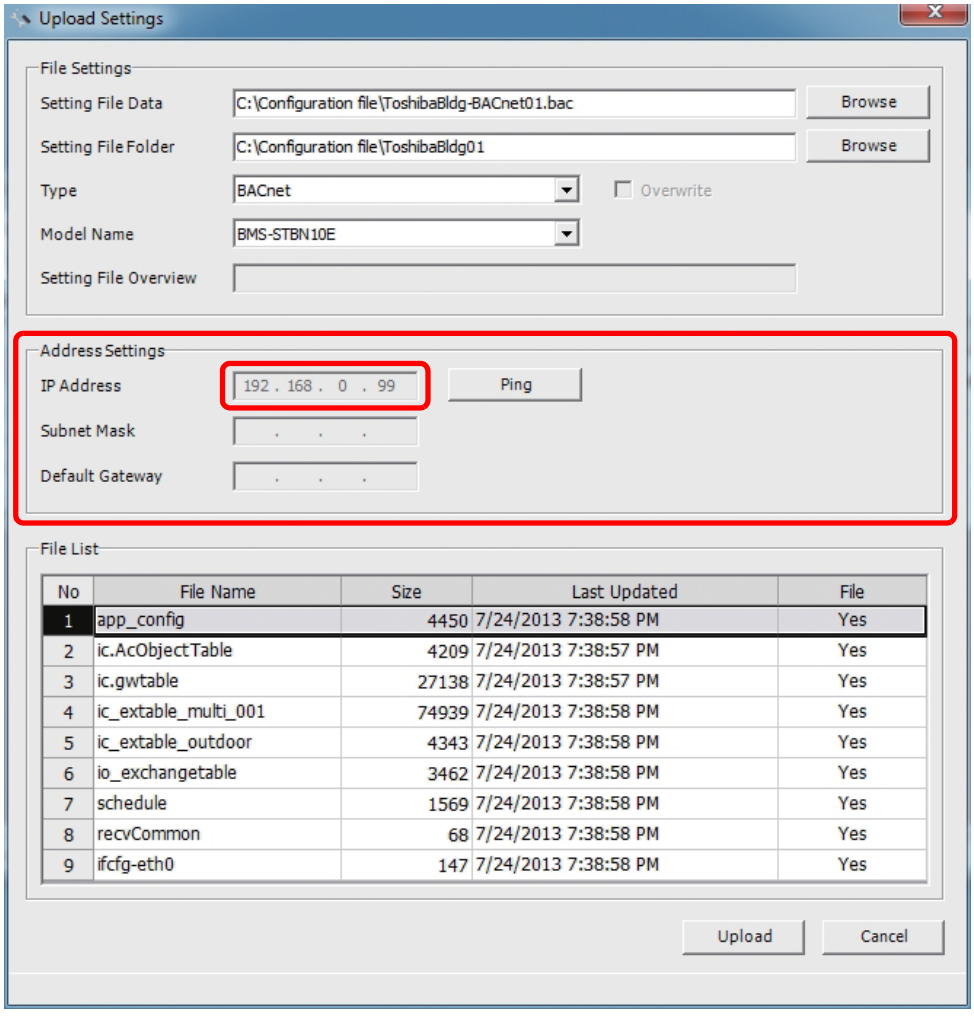


Fig.238 [Upload Settings] screen (IP Address)

EN

The following table shows the items in the File List:

Item	Content
File Name	Name of the file to upload
Size	Size of the file to upload
Last Updated	Last updated time of a file to upload
File	Shows whether a setting file exists in the specified folder Yes: Exists No: Does not exist

Starting the Upload

After the preparation (Specifying Setting File Data) has been completed, click the Upload button. The upload starts.

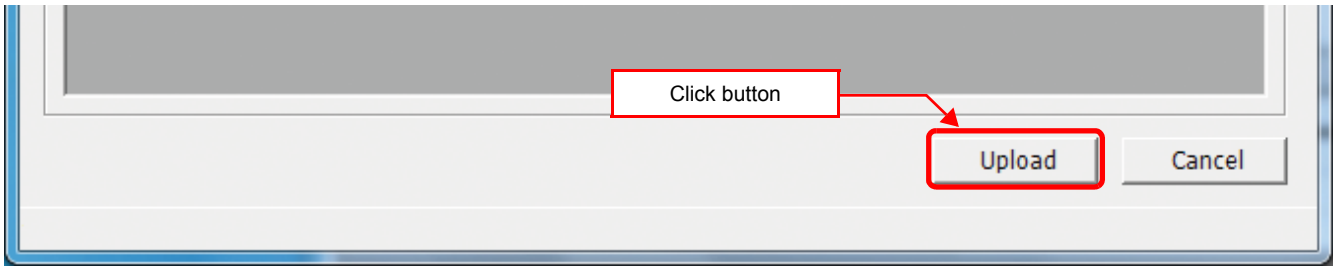


Fig.239 [Upload Settings] screen (Upload button)

The progress bar is displayed during the upload.

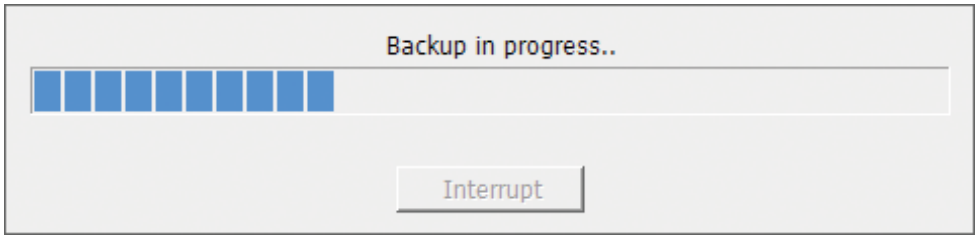


Fig.240 Progress bar

⚠CAUTION

If BACnet server is shut down during upload, stored data may be damaged and the server may not operate.
Do not shut down the server during upload.

■ System settings

System Tab

The following table shows the settings configured on the System tab:

Item	Content	Data type / range
Building name	Building name	Characters (Up to 100 bytes, Forbidden: " ' > < : ; , # &)
Indoor unit total Q'ty	Number of indoor units	1 - 128
Temperature display: Interval	Unit of temperature interval	0: Unit 1 °C. 1: Unit 0.5 °C.
Temperature display: C./F.	Celsius	0: °C. 1: °F.
Event Priority (*)	Setting Event Priority of the server	0 - 255
BACnet System with Smart BMS Manager Series	Concomitant use Smart BMS Manager void/valid	0: Void 1: Valid
Receive UDP Port (*)	Receive UDP Port number	47808 - 47823, 49152 - 65535
Transmit UDP Port (*)	Transmit UDP Port number	47808 - 47823, 49152 - 65535
Device instance Number additional value (*)		0: Use 1 byte of Last byte of IP address number 1: Use 2 byte of 3 and 4 byte of IP address number 2: User setting
Instance Number Setting (*)	Instance number	0 - 4194303

(*) BMS-STBN10UL only

Server Setting Tab

The following table shows the settings configured on the Server Setting tab:

Item	Content	Data type / range
IP Address	IP address of the server	Numeric value
Subnet Mask	Subnet mask of the server	Numeric value
Default Gateway	Gateway of the server	Numeric value
TCS-net Relay Interface Q'ty.	Number of TCS-net relay interfaces	1 - 8

Interface Address Tab

The following table shows the settings configured on the Interface Address tab:

Item	Content	Data type / range
TCS-net relay Interface		
Address Data	Interface number	1 - 8

Outdoor Tab

The following table shows the settings configured on the Outdoor tab:

Item	Content	Data type / range
IF No	Select the TCS-net Relay Interface address	1 - 8
Line address	Refrigerant line number	1 - 28
Outdoor unit combination model name	Select the outdoor unit models	
Outdoor unit model name	Select the outdoor unit models	

EN

Item	Content	Data type / range
Outdoor name	Enter the line name	Characters (Up to 100 bytes, Forbidden: " ' > < : ; , # &)
Outdoor unit address	Unit number	

Indoor Tab

The following table shows the settings configured on the Indoor tab:

Item	Content	Data type / range
IF No	Select the TCS-net Relay Interface address	1 - 8
Line address	Refrigerant line number	1 - 31
Indoor unit address	Unit number	1 - 64
Parent Indoor Unit No.	Number to distinguish parent and child	0: Parent 1 - 128: Child
Indoor unit model name	Select the indoor unit models	
R.C.group / indoor name	Enter the line name	Characters (Up to 100 bytes, Forbidden: " ' > < : ; , # &)
Air Conditioner No.	Air-conditioner number	1 - 128

Control Setting(Communication)

RegisterForeignDevice

The following table shows the settings configured on the RegisterForeignDevice tab:

Item	Content	Data type / range
IP address	IP address of the Foreign Device(BBMD)	Numeric value
Subnet Mask	SubnetMask of the Foreign Device(BBMD)	Numeric value
Port Number	Port Number of the Foreign Device(BBMD)	Numeric value
Transmission Interval (second)	Transmission Interval time for the Foreign Device(BBMD)	60 - 65535

Object

Item	Content	Data type / range
Event Transmit	Event Transmit setting	NORMAL OFFNORMAL FAULT
COV ON/OFF	COV ON/OFF setting	ON OFF
Event State	Event State setting	NORMAL OFFNORMAL FAULT
StatusFlags	Status bit IN_ALARM ON/OFF setting Status bit FAULT ON/OFF setting	IN_ALARM FAULT
Limit Enable	low Limit Enable ON/OFF setting high Limit Enable ON/OFF setting	low Limit Enable high Limit Enable
Event Priority	Event Priority setting	0 - 255

■ Initialization tool

There is an initialization function to return the system to the factory settings, a function to download setting information from the BACnet local server, and a function to update versions of the BACnet local server software.

Starting the Initialization Tool

Use the menu of the Setting File Creation Software for North America or Windows menu to start the Initialization Tool.

Menu of the Setting File Creation Software for North America

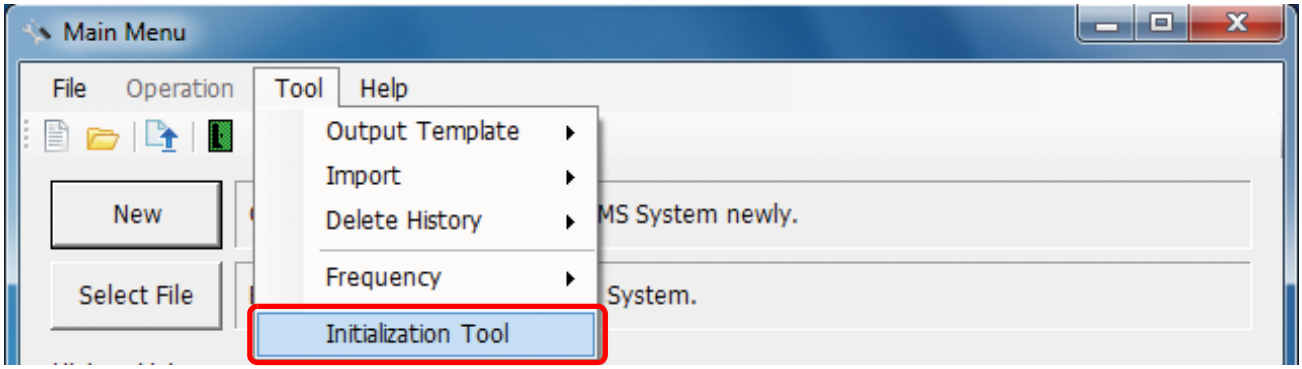


Fig.241 [Main Menu] screen (Initialization Tool)

Windows menu

Select [Start] > [All Programs] > [Toshiba] > [Setting File Creation Software for North America] > [Initialization Tool].

EN

Exiting the Initialization Tool

Click the [Close] button, the Exit button, or select the [File] menu then [Exit].

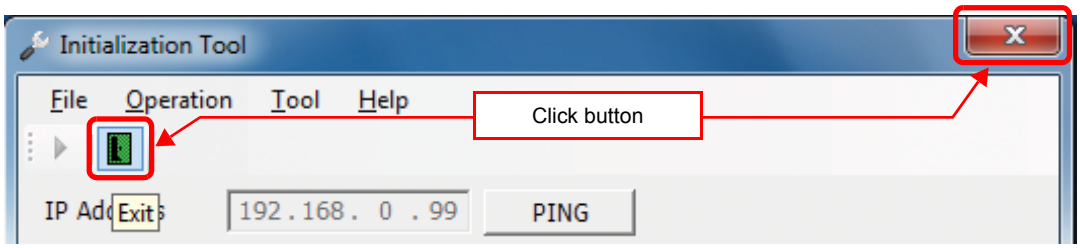


Fig.242 [Main Menu] screen (Close button / Exit button)

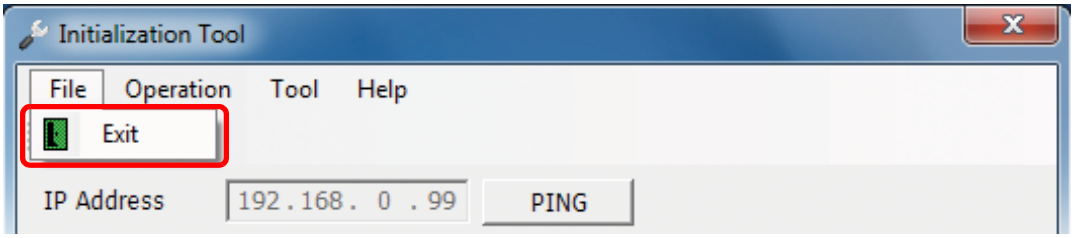


Fig.243 [Main Menu] screen (Exit menu)

The exit confirmation dialog box appears.
Click [Yes] to exit, or [No] to cancel exiting.

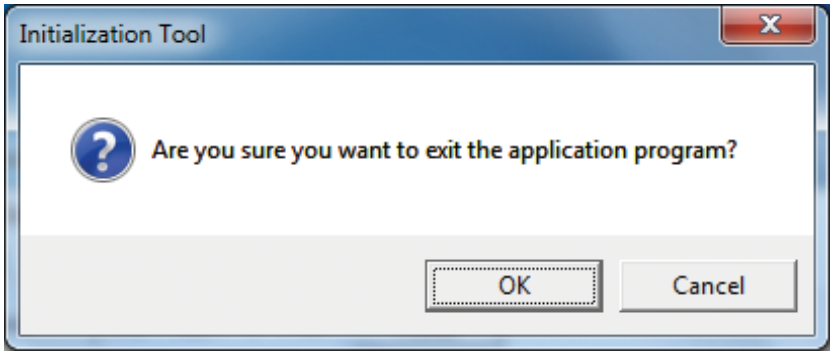


Fig.244 Exit confirmation dialog box

Initializing a system

You can reset a target system to its default settings. All data in the system will be deleted.
Follow the procedure below:

1 **Specify an IP address.**

2 **Select the target system (type and model name).**

3 **Specify a backup folder. (Fig.246)**
A backup folder can be specified before initializing a setting file. If you do not specify a backup folder, the data will be backed up to “C:\Documents and Settings\All Users\Application Data\Toshiba Carrier Corporation\Initialization Tool\backup” in Windows XP, or “C:\Program Data\Toshiba CarrierCorporation\Initialization Tool\backup” in Windows Vista/7. This folder is a hidden folder. To show the folder, you need to change the “Folder Options” settings.

4 **Use the PING command to check the connection to the target system.**

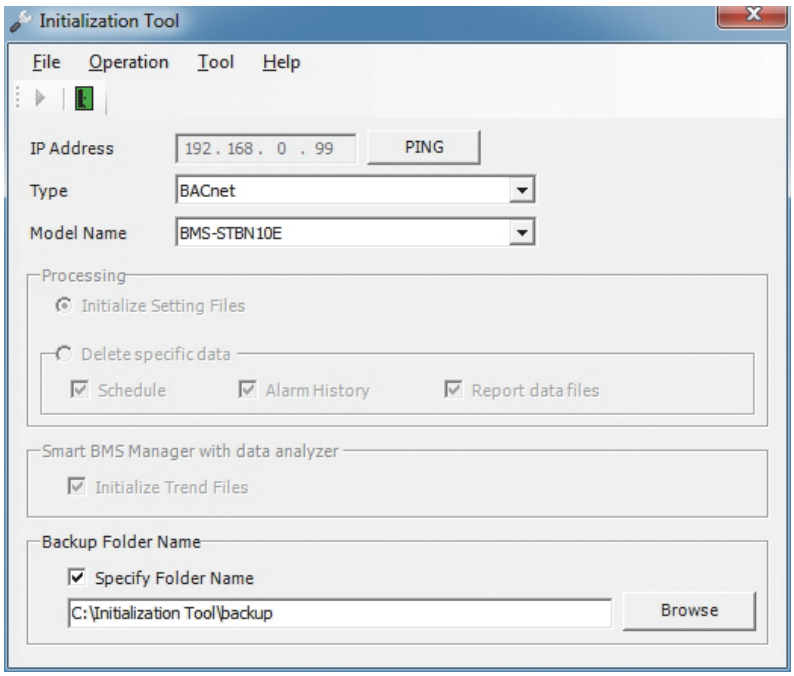


Fig.245 [Initialization Tool] screen

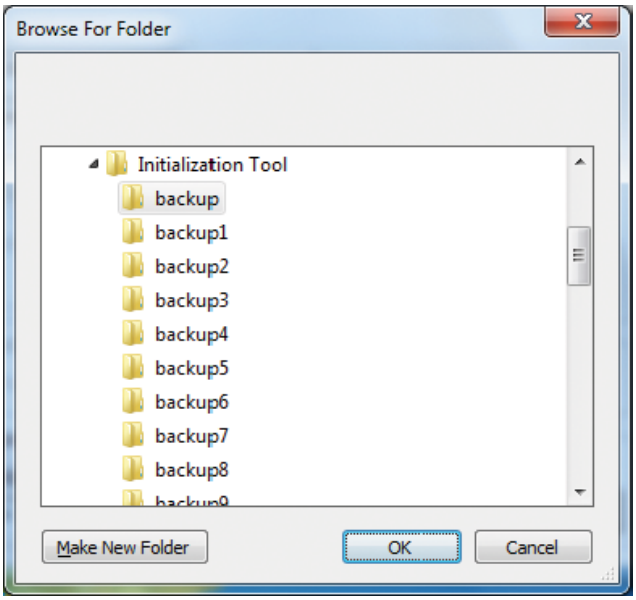


Fig.246 [Browse For Folder] screen

EN

5 **Select the [Tool] menu then [System Initialization].**

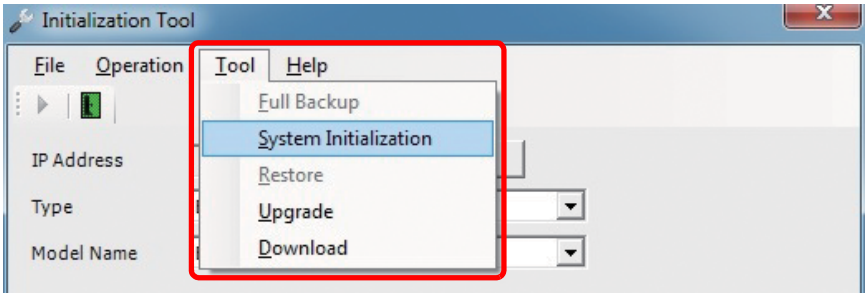


Fig.247 [Initialization Tool] screen (System Initialization menu)

6 **Read the displayed warning message, and select the [Understand these warning messages and then perform the processing] checkbox.**

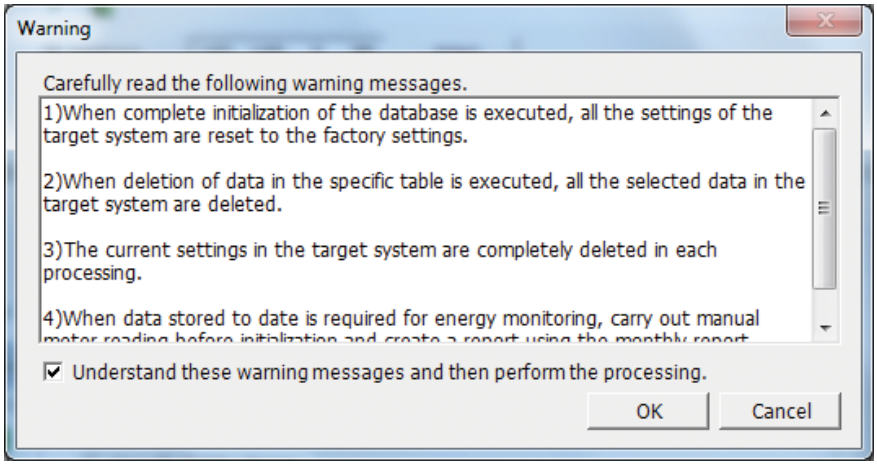


Fig.248 [Warning] screen

7 **Click the [OK] button.**
The initialization starts, and the progress bar appears.

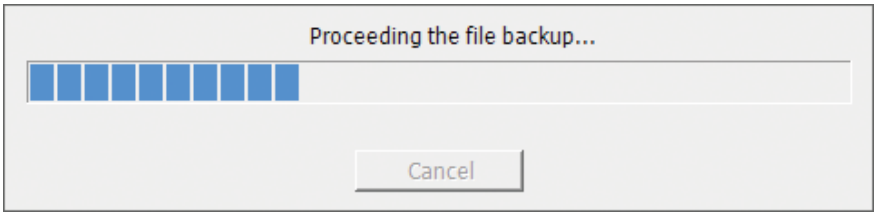


Fig.249 Progress bar

8 **If the initialization is completed successfully, the completion dialog box appears.**

9 **Restart the target system.**
Press the reset button, or turn off the power and turn it back on again. When the power is turned off, wait until over a minute passes before turning it back on.

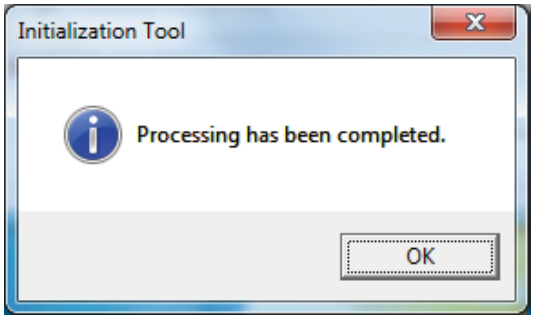


Fig.250 Completion dialog box

Downloading data

You can download setting data from the BACnet local server.
Follow the procedure below:

1 **Specify an IP address.**

2 **Select the target system (type and model name).**

3 **Specify a folder in which to download. (Fig.252)**
Specify a folder in which to save the files downloaded from the BACnet local server. If you do not specify a folder, files are saved to "C:\Documents and Settings\All Users\Application Data\Toshiba Carrier Corporation\Initialization Tool\backup", in Windows XP or to "C:\Program Data\Toshiba CarrierCorporation\Initialization Tool\backup", in Windows Vista/7. This folder is a hidden folder. To show the folder, you need to change the "Folder Options" settings.

4 **Use the PING command to check the connection to the target system.**

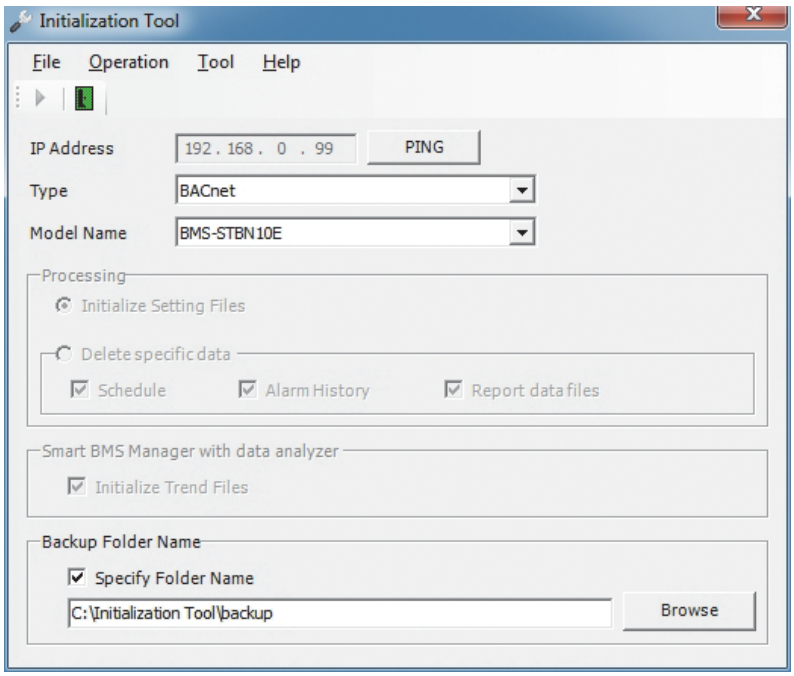


Fig.251 [Initialization Tool] screen

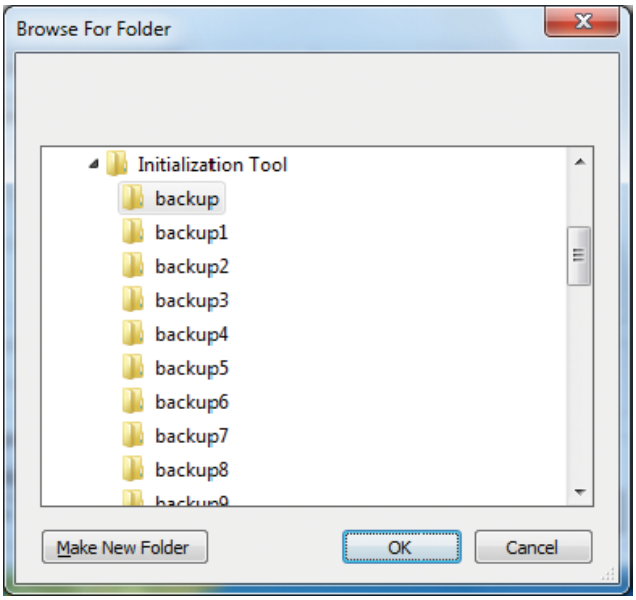


Fig.252 [Browse For Folder] screen

EN

5 **Select the [Tool] menu then [Download].**

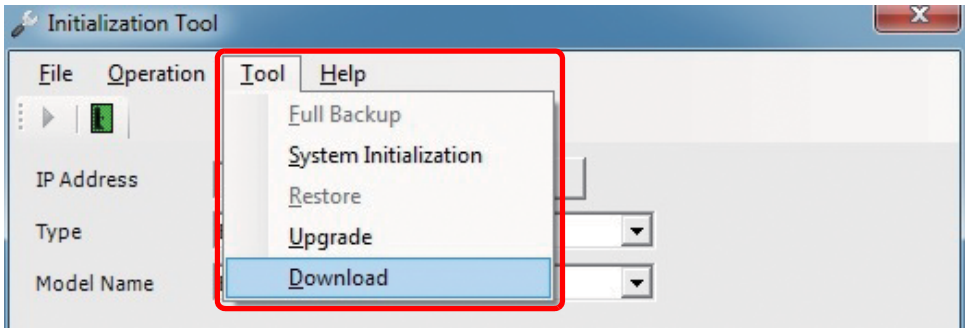


Fig.253 [Initialization Tool] screen (Download menu)

6 **The download starts and the progress bar appears.**

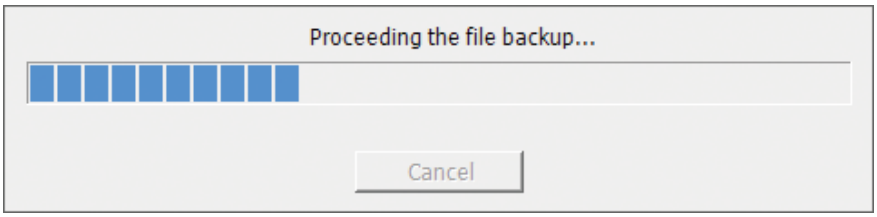


Fig.254 Progress bar

7 **If the download is completed successfully, the completion dialog box appears.**

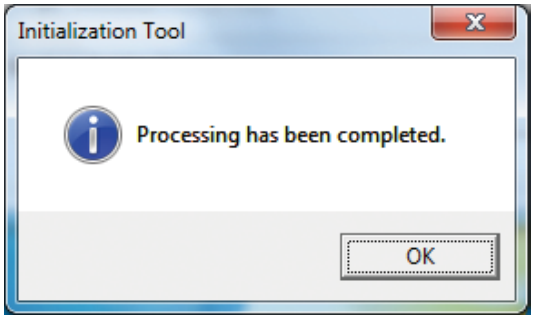


Fig.255 Completion dialog box

Upgrading

This function upgrades the software of the BACnet local server.

■ Upgrade data

Upgrade data's file name is fixed "**versionup.zip**". Don't change upgrade data's file name.

NOTE

An upgraded function cannot be downgraded. The upgrade is performed by connecting the target device to a computer containing this software via a network. If the network is disconnected or the power is turned off during the upgrade, the system may malfunction.

Perform the following procedure to upgrade:

1 **Specify an IP address.**

2 **Select the target system (type and model name).**

3 **Specify a backup folder. (Fig.256)**
A backup folder can be specified before initializing a setting file. If you do not specify a backup folder, the data will be backed up to "C:\Documents and Settings\All Users\Application Data\Toshiba Carrier Corporation\Initialization Tool\backup" in Windows XP, or "C:\Program Data\Toshiba Carrier Corporation\Initialization Tool\backup" in Windows Vista/7. This folder is a hidden folder. To show the folder, you need to change the "Folder Options" settings.

4 **Use the PING command to check the connection to the target system.**

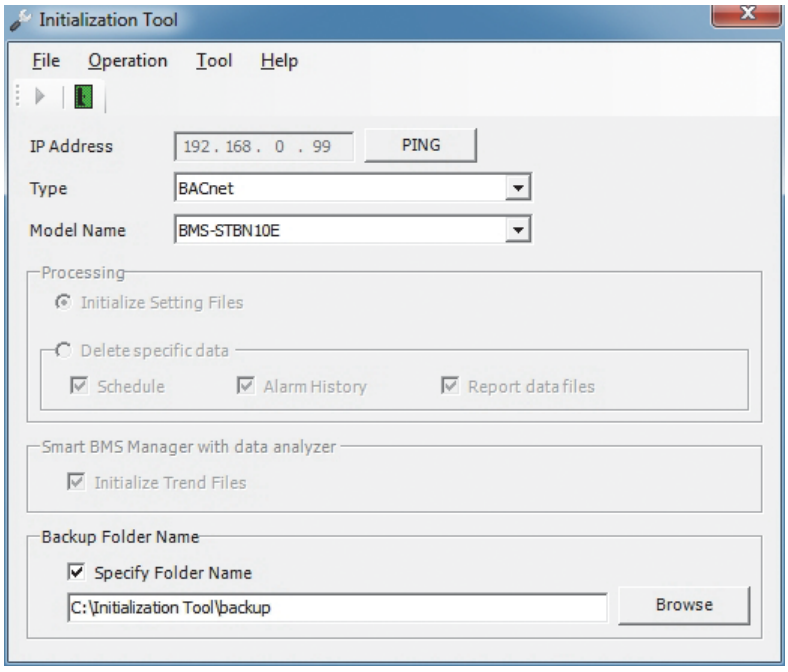


Fig.256 [Initialization Tool] screen

EN

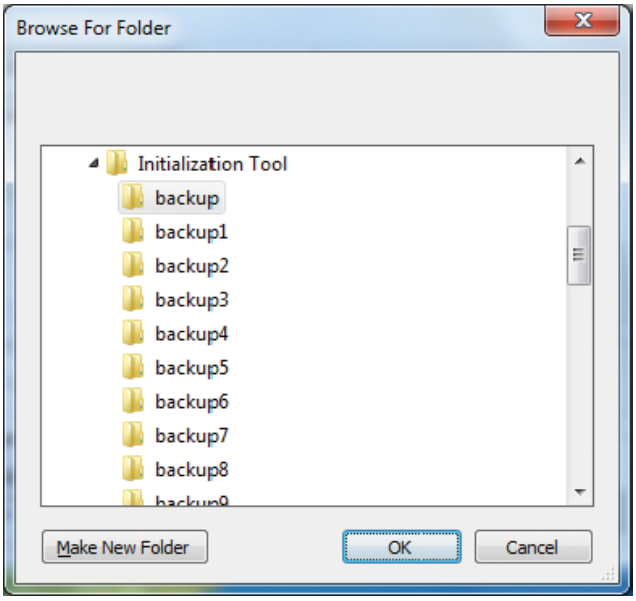


Fig.257 [Browse For Folder] screen

5 Select the [Tool] menu then [Upgrade].

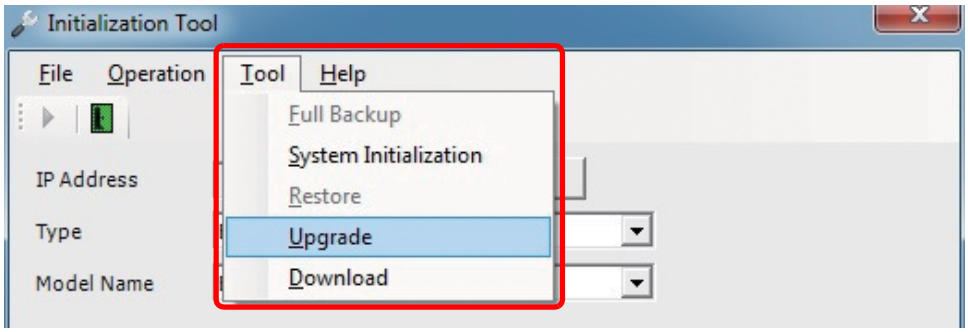


Fig.258 [Initialization Tool] screen (Upgrade menu)

6 The Check Upgrade folder screen appears.

7 Click the [Browse] button, and select the folder containing the Upgrade data on the displayed Browse For Folder screen (Fig.259).

8 Click the [OK] button.

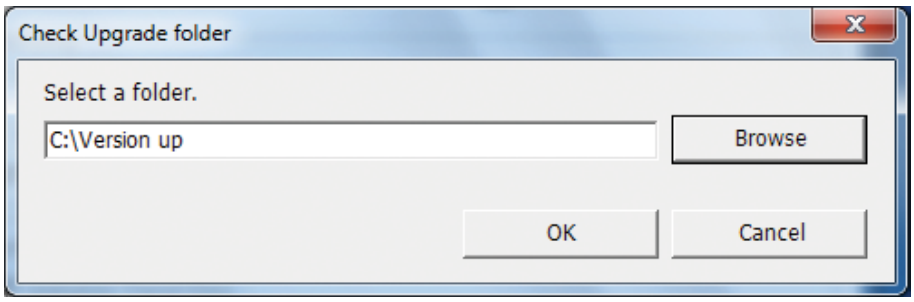


Fig.259 [Check Upgrade folder] screen

9 **Read the displayed warning message, and select the [Understand these warning messages and then perform the processing] checkbox.**

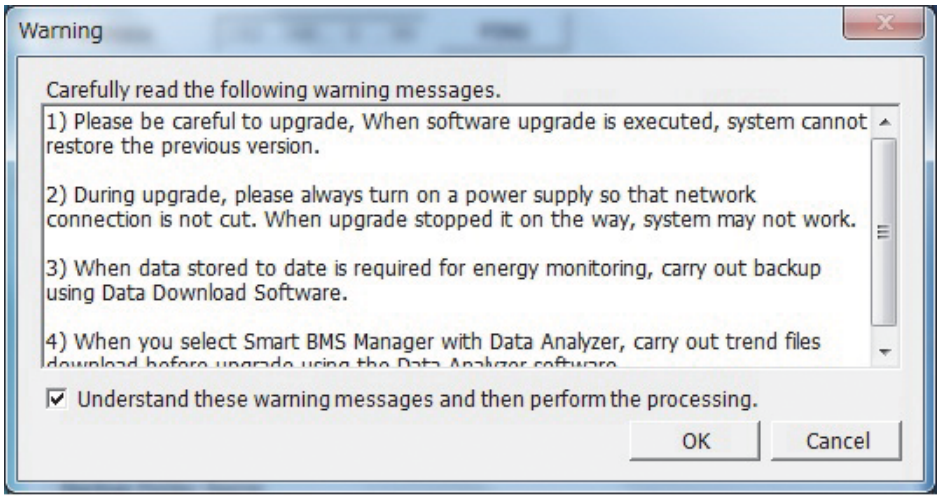


Fig.260 [Warning] screen

10 **Click the [OK] button.**
The Upgrade starts, and the progress bar appears.

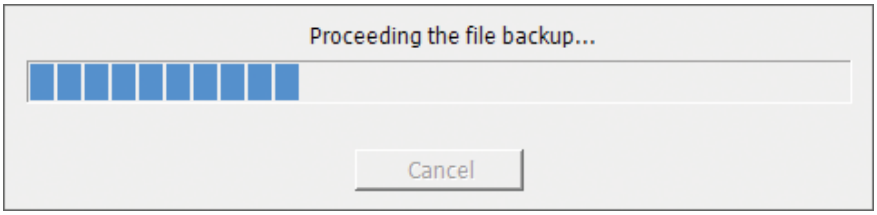


Fig.261 Progress bar

11 **If the upgrade is completed successfully, the completion dialog box appears.**
The version of the upgraded software appears.

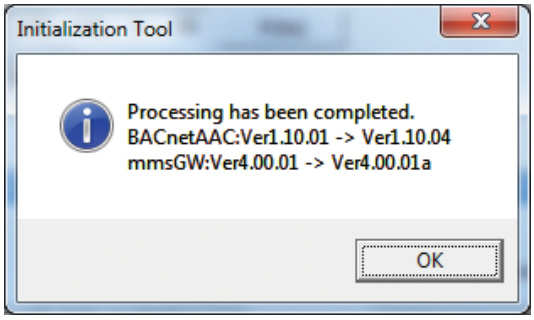


Fig.262 Completion dialog box

EN

Appendix C Touch Screen Controller (BMS-CT5120UL)

■ Starting / exiting the Setting File Creation Software for North America

Starting the Setting File Creation Software for North America

Use the desktop icon or Windows menu to start the Setting File Creation Software for North America.

1. Start the Setting File Creation Software for North America.

- Desktop icon
  Double-click the desktop icon.

Fig.263 Setting File Creation Software for North America desktop icon

- Windows menu
  Select [Start] > [All Programs] > [Toshiba] > [Setting File Creation Software for North America].

2. The startup screen appears.
The startup screen appears.

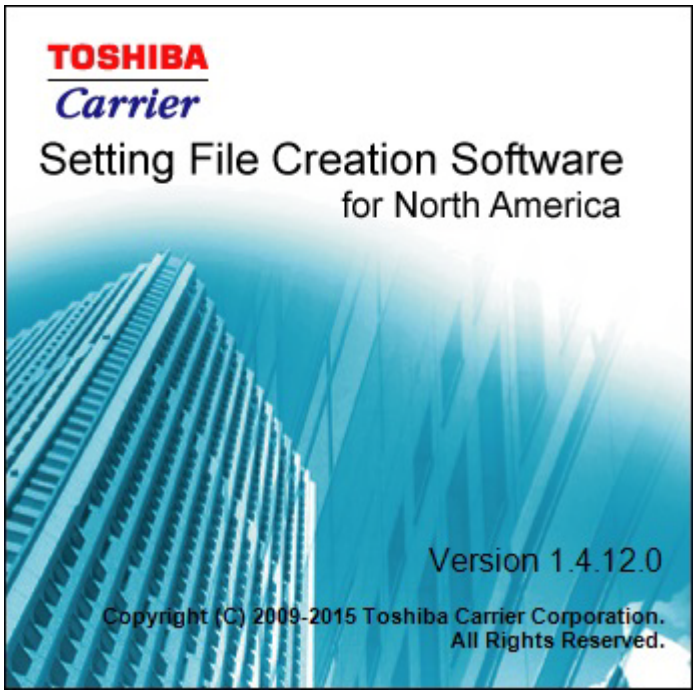


Fig.264 Startup screen

3. Setting File Creation Software for North America Startup Complete
The startup screen (Fig.264) disappears, and the Main Menu screen (Fig.1) appears. The Setting File Creation Software for North America startup is now complete, and the software can be operated.

Exiting the Setting File Creation Software for North America

Click the [Close] button, the Exit button, or select the [File] menu then [Exit].

Fig.265 [Main Menu] screen (Close button)

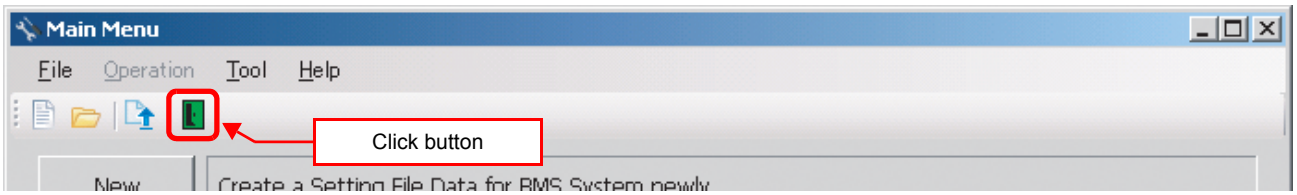


Fig.266 [Main Menu] screen (Exit button)

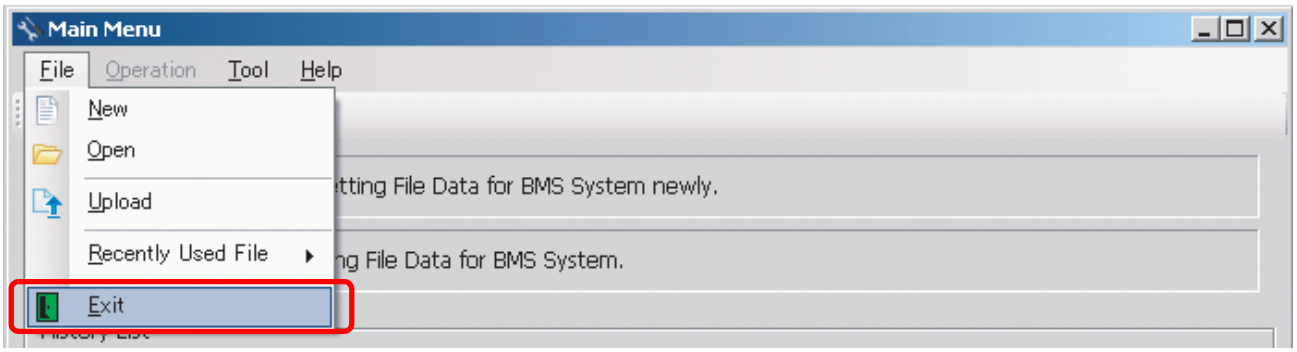


Fig.267 [Main Menu] screen (Exit menu)

The exit confirmation dialog box appears.
Click [Yes] to exit, or [No] to cancel exiting.

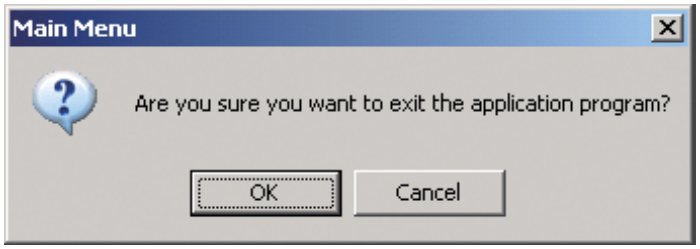


Fig.268 Exit confirmation dialog box

EN

■ Creating new data

Click the [New] button, or select the [File] menu then [New]. The Select System screen (Fig.2) appears.

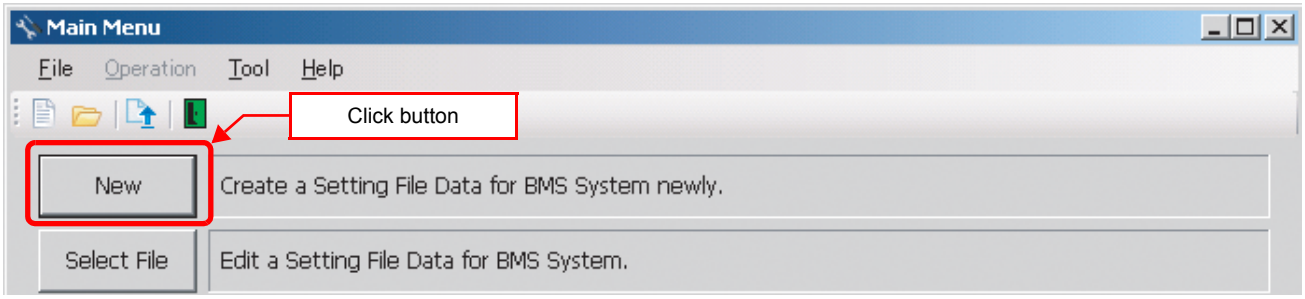


Fig.269 [Main Menu] screen (New button 1)

Fig.270 [Main Menu] screen (New button 2)

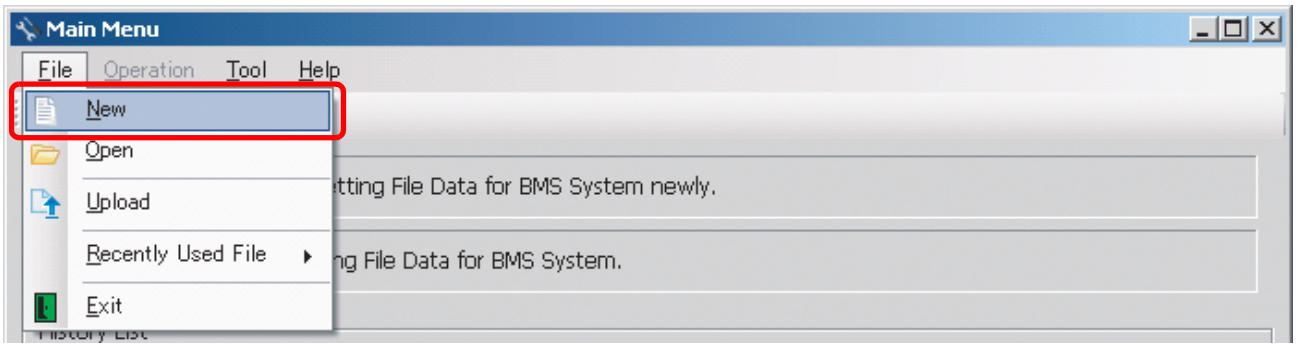


Fig.271 [Main Menu] screen (New menu)

■ Selecting a file to edit data

Click the [Select File] button, or select the [File] menu then [Open]. The Open screen appears.

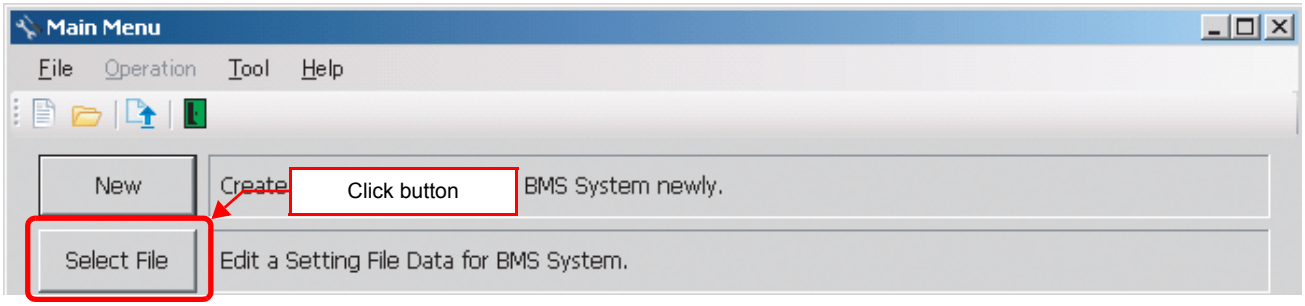


Fig.272 [Main Menu] screen (Select File button)

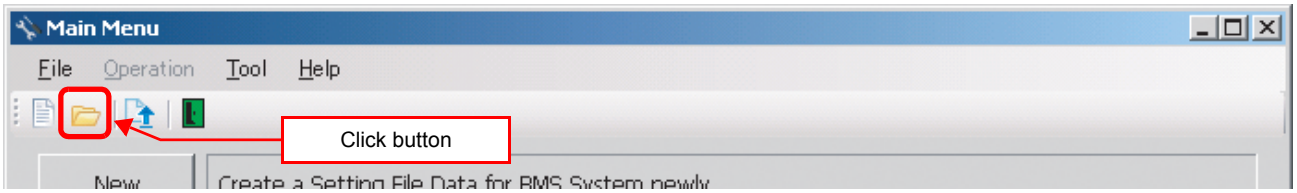


Fig.273 [Main Menu] screen (Open button)

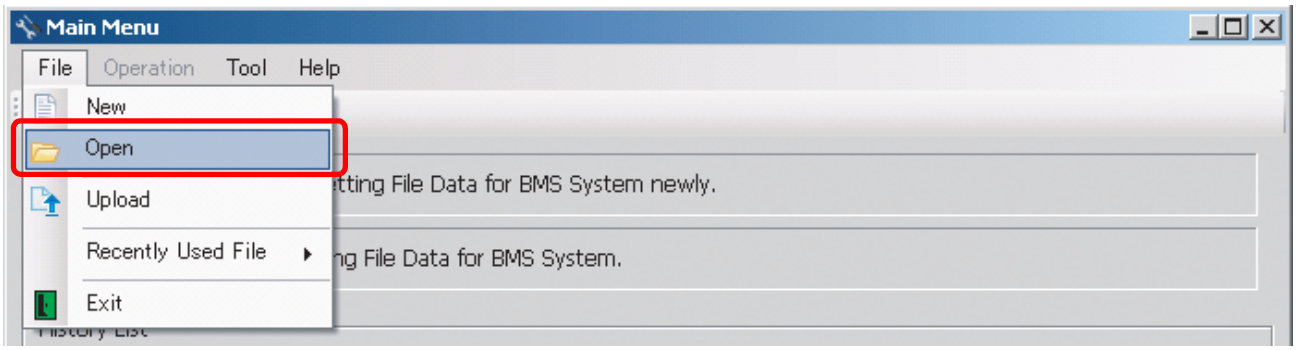


Fig.274 [Main Menu] screen (Open menu)

EN

When the Open screen has opened, select a file to edit. The System screen (Fig.3) appears.

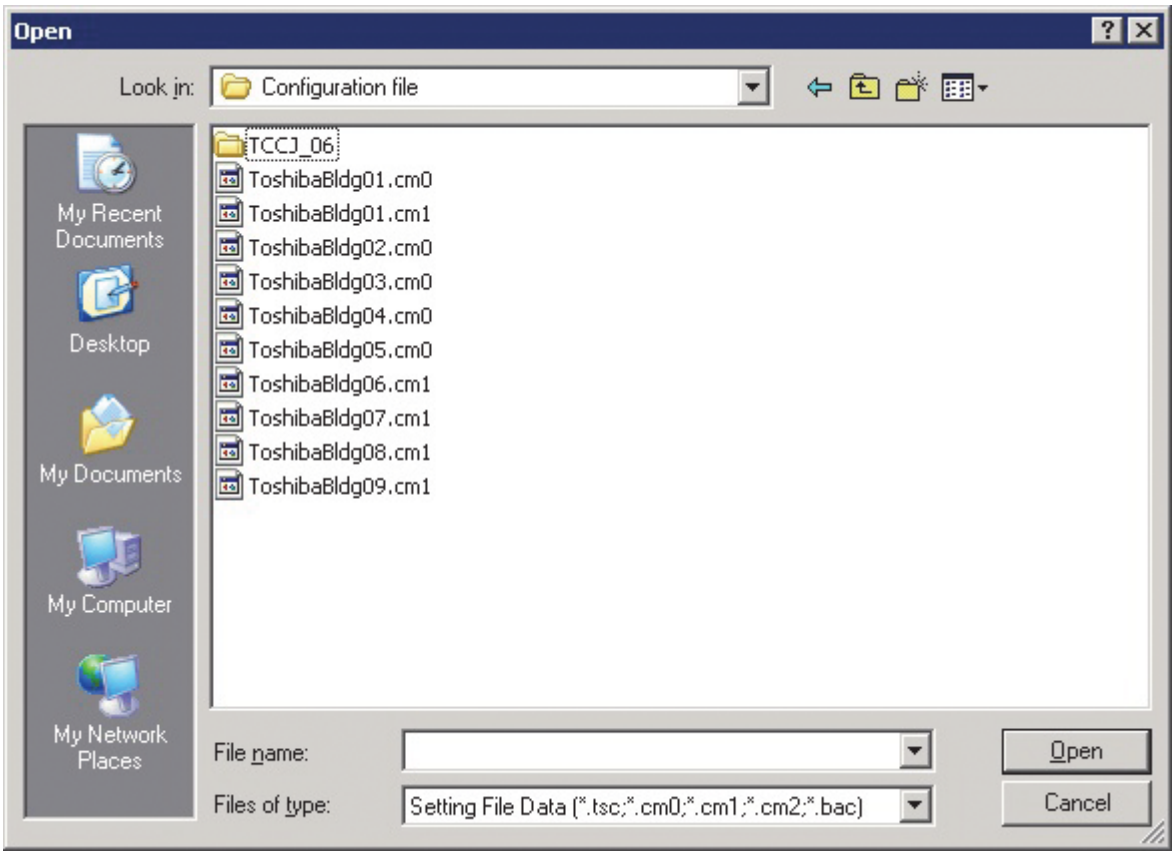


Fig.275 [Open] screen

■ Using a history file to edit data

Double-click a line in the History List, or select a file from Recently Used File. The System screen (Fig.3) appears.

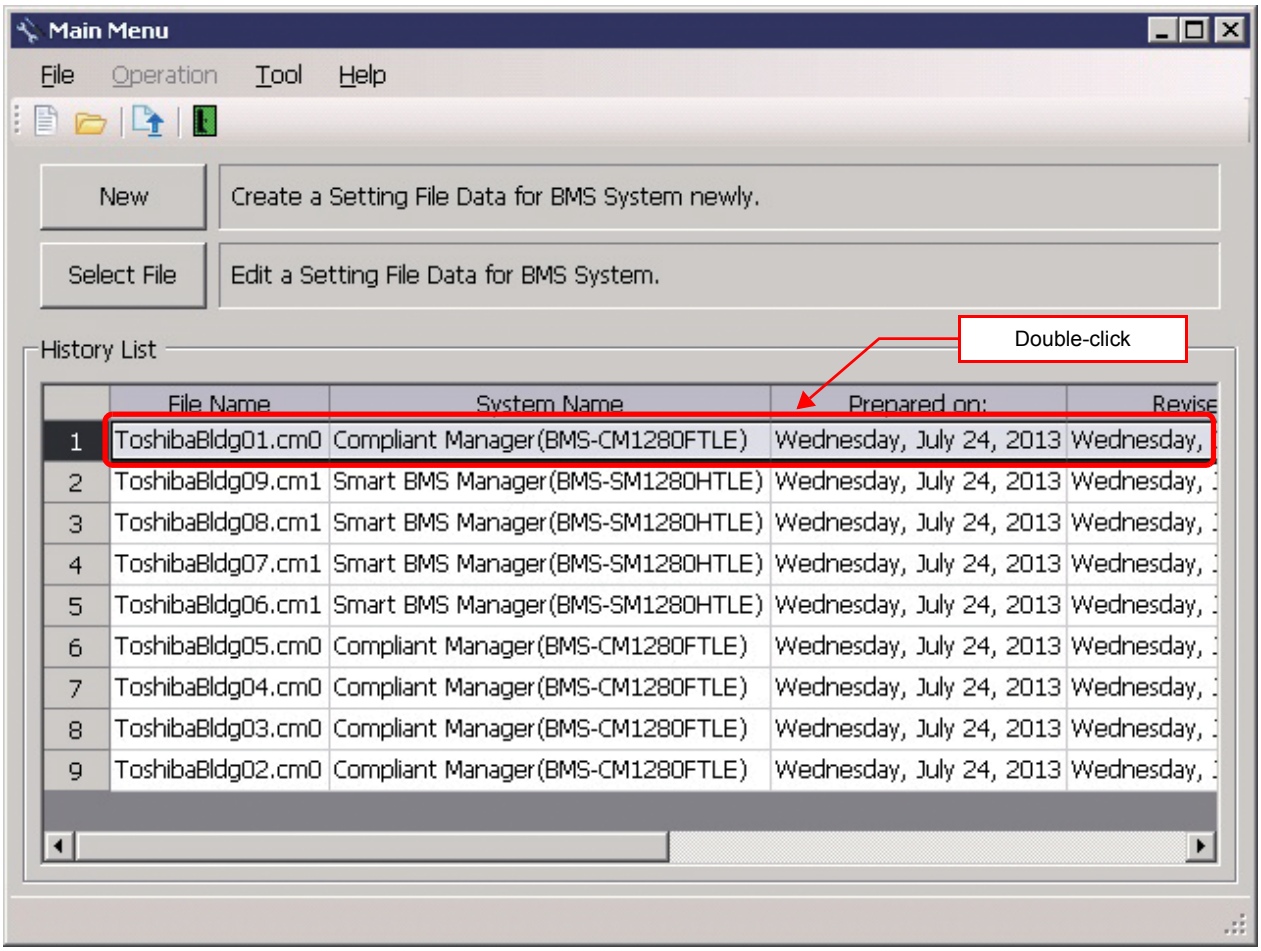


Fig.276 [Main Menu] screen (History List)

Up to 9 files are stored in Recently Used File.

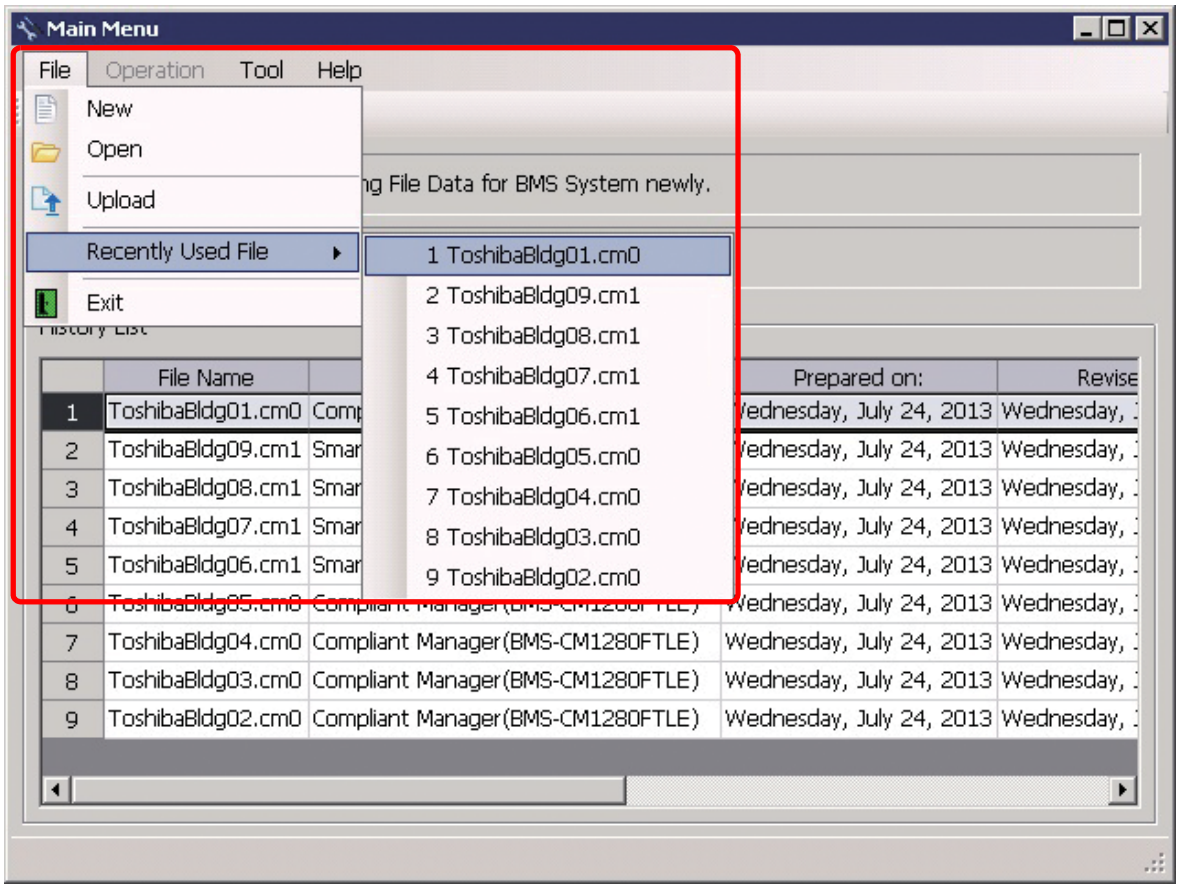


Fig.277 [Main Menu] screen (Recently Used File)

If the selected file does not exist, a warning appears.

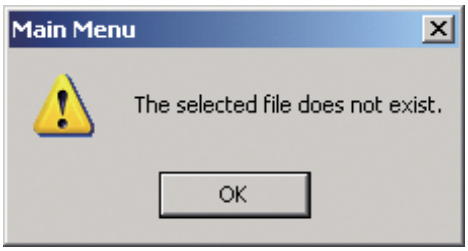


Fig.278 Warning message box

■ Setting up the system

Select the [System] tab and configure the settings.

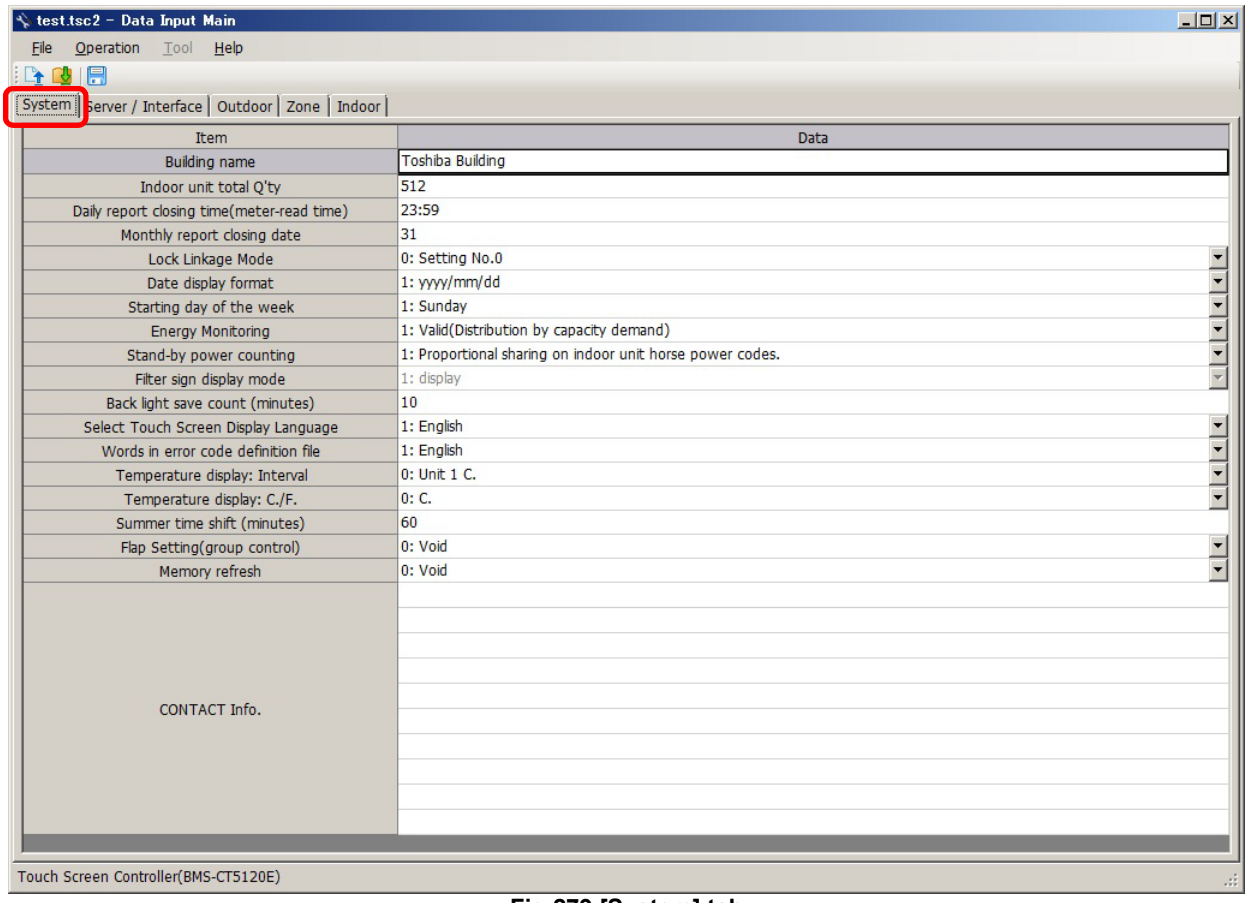


Fig.279 [System] tab

The following table shows how to enter / select data:

Item	Data type	Selection	Note
Building name	Entered by user	–	
Indoor unit total Q'ty	Entered by user	Numeric value only	
Daily report closing time	Entered by user	Time only	
Monthly report closing date	Entered by user	Numeric value only	
Lock Linkage Mode	Selected by user	Select from list	
Date display format	Selected by user	Select from list	
Starting day of the week	Selected by user	Select from list	
Energy Monitoring	Selected by user	Select from list	
Stand-by power counting	Selected by user	Select from list	
Filter sign display mode	Selected by user	Select from list	
Back light save count (minutes)	Entered by user	Numeric value only	
Select Touch Screen Display Language	Selected by user	Select from list	
Words in error code definition file	Selected by user	Select from list	
Temperature display: Interval	Selected by user	Select from list	
Temperature display: C./F.	Selected by user	Select from list	
Summer time shift (minutes)	Entered by user	Numeric value only	
Flap Setting (group control)	Selected by user	Select from list	
Memory refresh	Selected by user	Select from list	
CONTACT Info.	Entered by user	–	

Table.13 How to enter / select data

EN

■ Setting up the server

Select the [Server Setting] tab under the [Server / Interface] tab, and configure the settings.

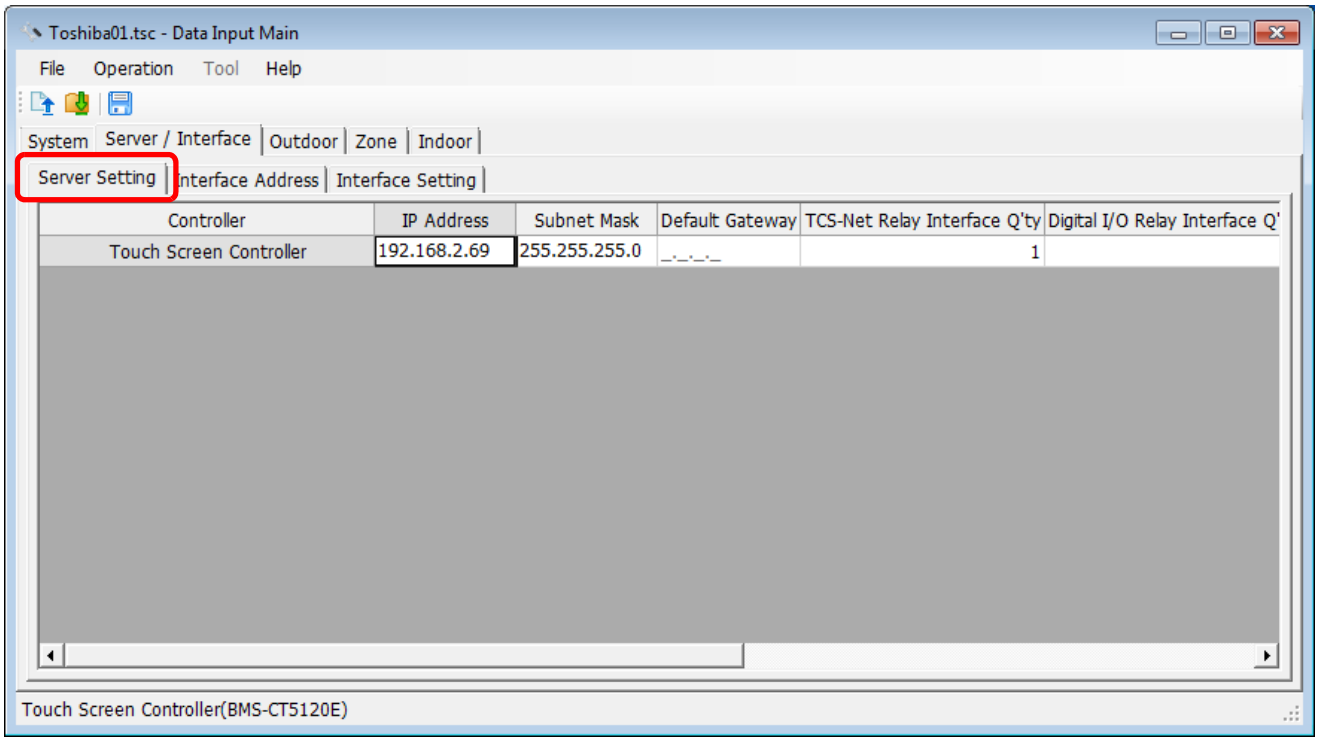


Fig.280 [Server Setting] tab

The following table shows how to enter / select data:

Item	Data type	Selection	Note
IP Address	Entered by user	Numeric value only	
Subnet Mask	Entered by user	Numeric value only	
Default Gateway	Entered by user	Numeric value only	
TCS-Net Relay Interface Q'ty	Entered by user	Numeric value only	1 - 12
Digital I/O Relay Interface Q'ty	Entered by user	Numeric value only	0 - 8
Energy Monitoring Relay Interface Q'ty	Entered by user	Numeric value only	0 - 8

Table.14 How to enter / select data

■ Setting up the interface address

Select the [Interface Address] tab under the [Server / Interface] tab, and configure the settings.

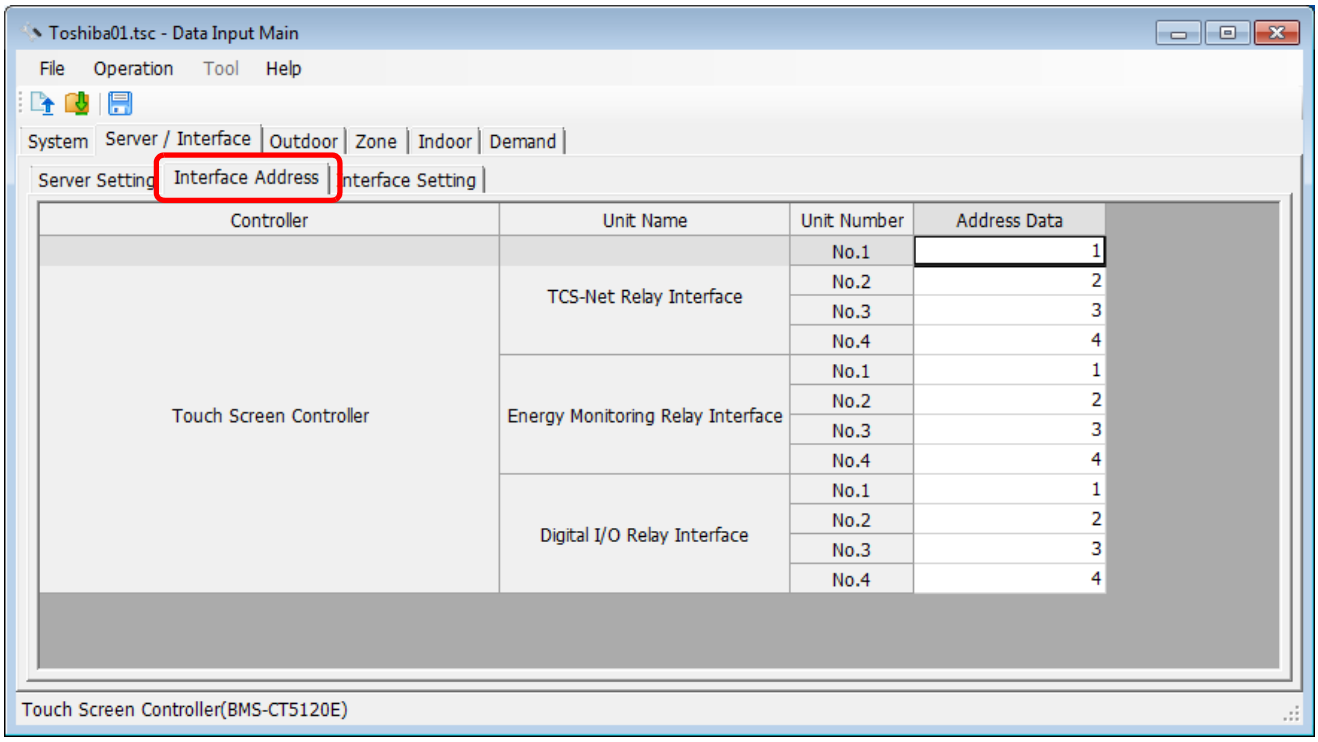


Fig.281 [Interface Address] tab

The following table shows how to enter / select data:

Item	Data type	Selection	Note
TCS-Net Relay Interface Address Data	Entered by user	Numeric value only	
Energy Monitoring Relay Interface Address Data	Entered by user	Numeric value only	
Digital I/O Relay Interface Address Data	Entered by user	Numeric value only	

Table.15 How to enter / select data

EN

■ Setting up the interface function

Select the [Interface Setting] tab under the [Server / Interface] tab, and configure the settings.

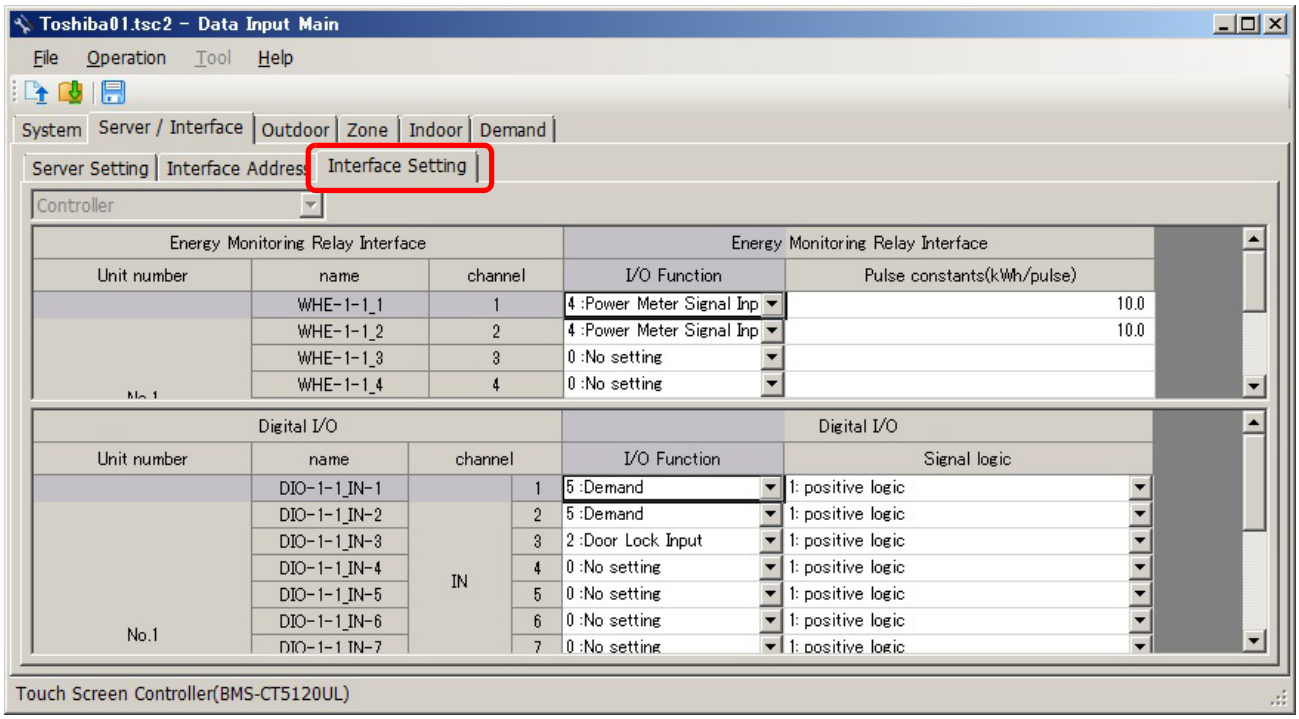


Fig.282 [Interface Setting] tab

The following table shows how to enter / select data:

Item	Data type	Selection	Note
I/O Function	Selected by user	Select from list	
Signal logic	Selected by user	Select from list	Digital I/O Interface Only
Pulse constants	Entered by user	Numeric value only	0.1 – 99.9, Energy Monitoring Relay Interface Only

Table.16 How to enter / select data

■ Adding an outdoor unit

Click the [New] button, or select the [Operation] menu > [Outdoor Unit] > [New]. A line will be added to the outdoor unit list.

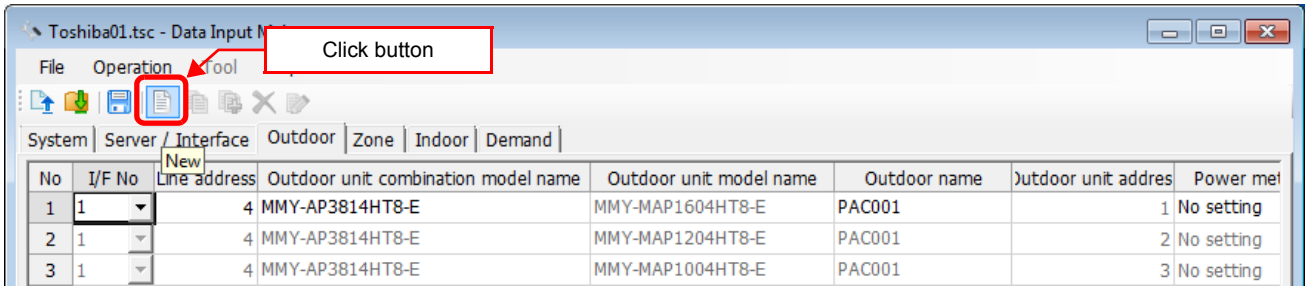


Fig.283 [Outdoor] tab (New button)

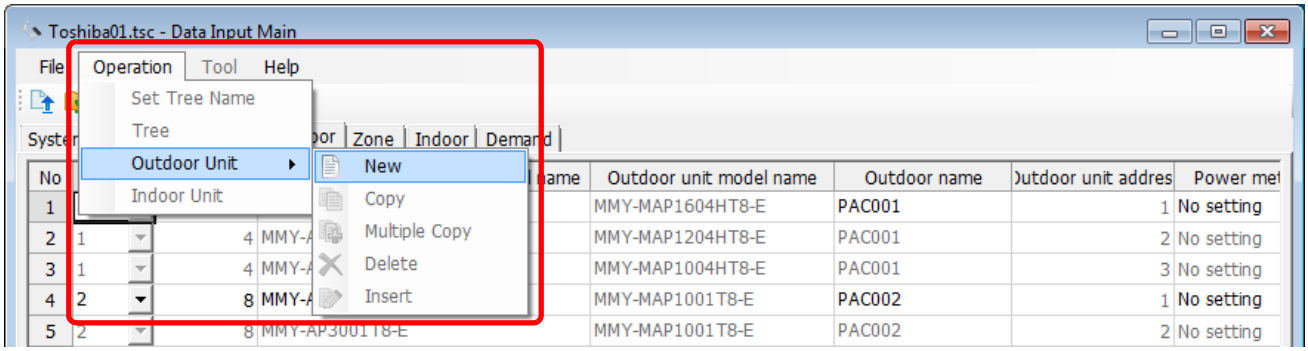


Fig.284 [Outdoor] tab (New menu)

The following table shows how to enter / select data:

Item	Data type	Selection	Note
LINE No / I/F No	Selected by user	Select from list	
Line address	Entered by user	Numeric value only	
Outdoor unit combination model name	Selected by user	Select from the Select outdoor unit model screen	
Outdoor unit model name	Cannot be edited		
Outdoor name	Entered by user		
Outdoor unit address	Cannot be edited		
Power meter input name	Selected by user	Select from list	

Table.17 How to enter / select data

EN

Selecting an outdoor unit

Clicking a cell of an outdoor unit combination model name on the [Outdoor] tab (Fig.5) displays the Select outdoor unit model screen. On the screen, double-click a cell of an outdoor unit model, or select a model then click the OK button. “Outdoor unit combination model name,” “Outdoor unit model name,” and “Outdoor unit address” will automatically become available on the [Outdoor] tab (Fig.5). To cancel changing the outdoor unit setting, click the Cancel button to return to the [Outdoor] tab.

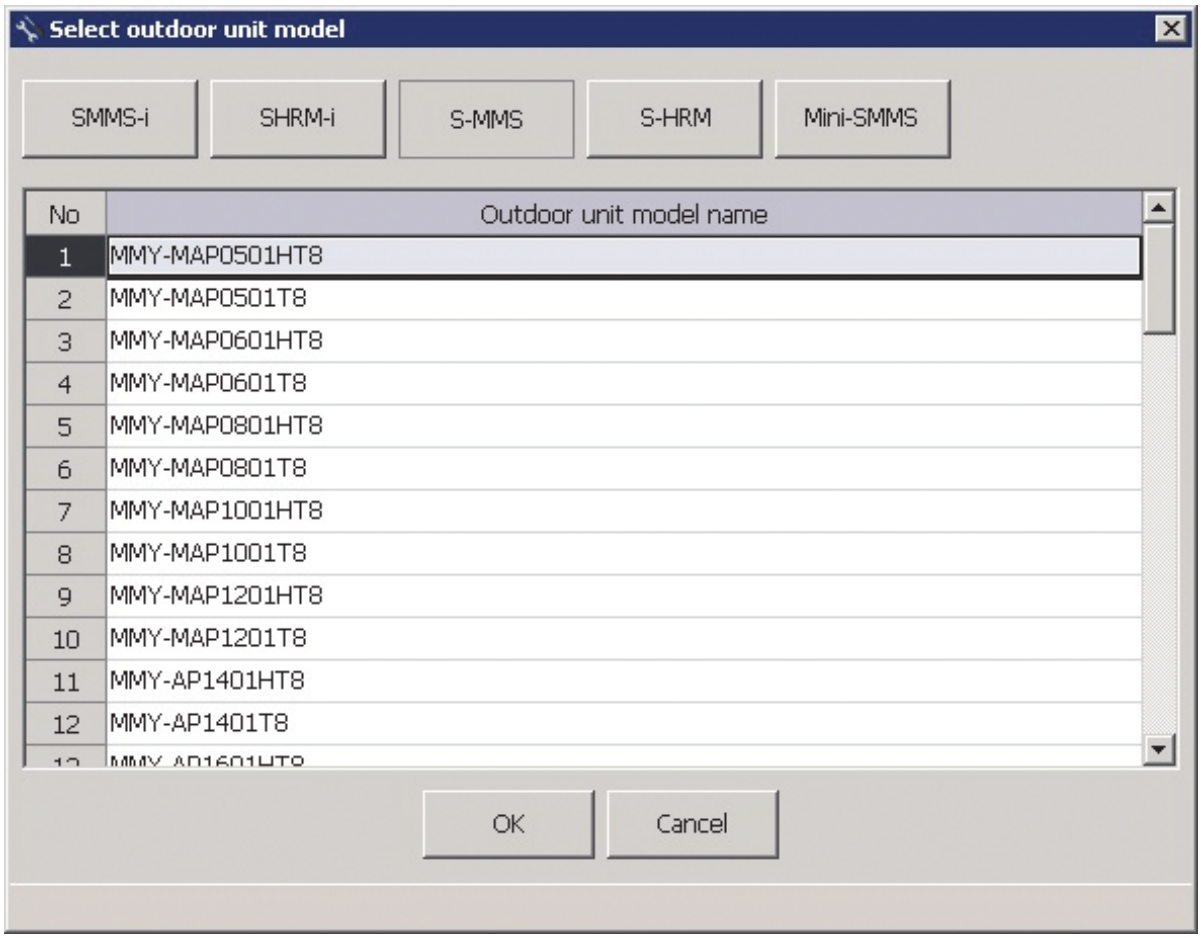


Fig.285 [Select outdoor unit model] screen

■ Copying the data of an outdoor unit

Select a line of an outdoor unit on the [Outdoor] tab (Fig.5), and click the [Copy] button, or select the [Operation] menu > [Outdoor Unit] > [Copy]. The copied outdoor unit will be added to the outdoor unit list. The numbers of the copied “Line address” and “Outdoor name” will automatically be increased in one.

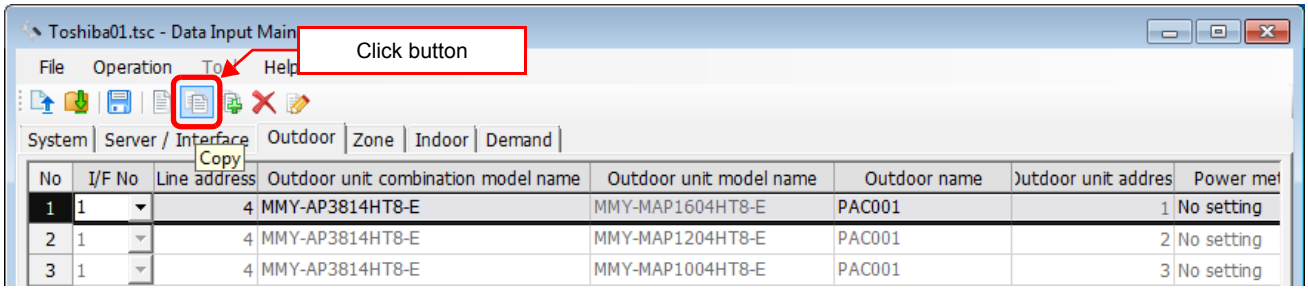


Fig.286 [Outdoor] tab (Copy button)

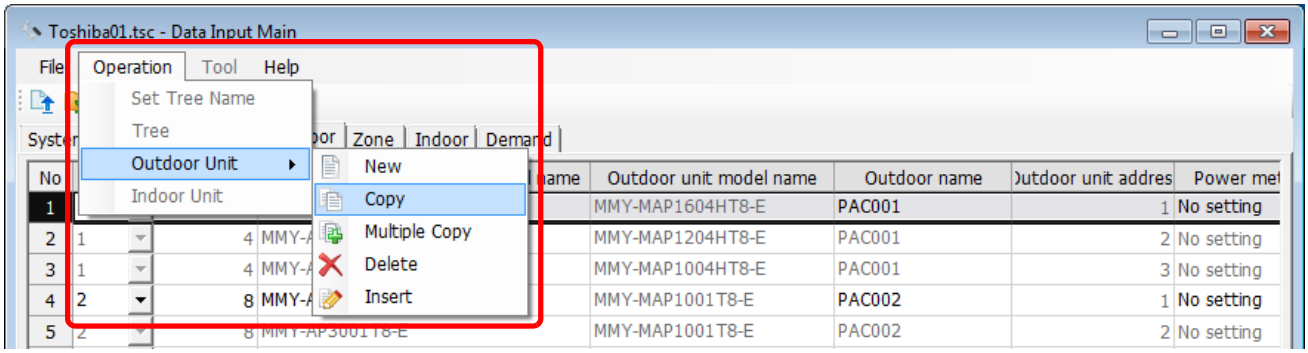


Fig.287 [Outdoor] tab (Copy menu)

EN

■ Copying the data of multiple outdoor units

Select a line of outdoor unit on the [Outdoor] tab (Fig.5), and click the [Multicopy] button, or select the [Operation] menu > [Outdoor Unit] > [Multicopy]. The Copy line count screen appears.

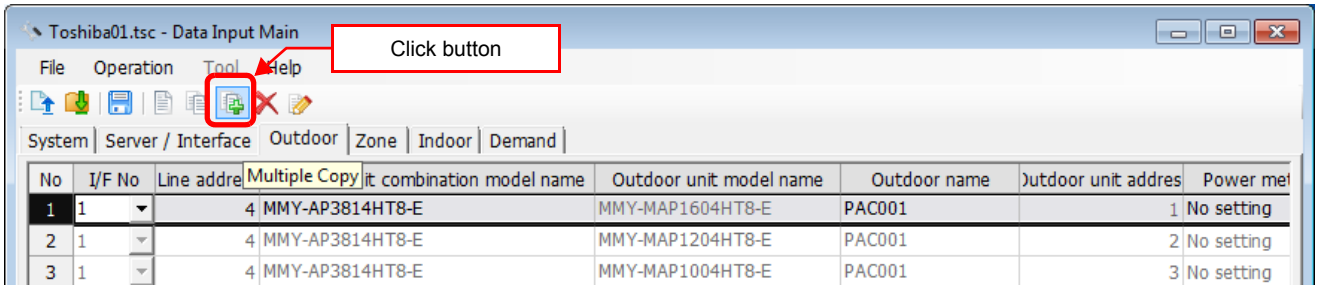


Fig.288 [Outdoor] tab (Multicopy button)

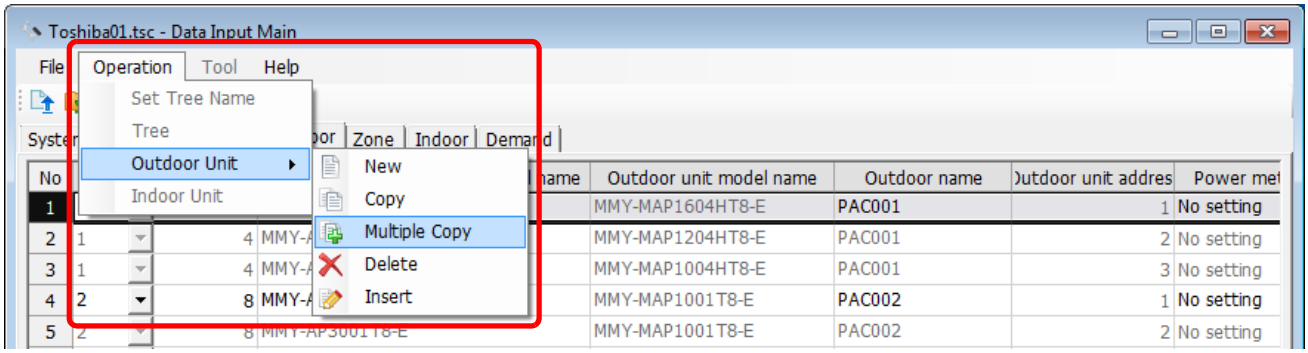


Fig.289 [Outdoor] tab (Multicopy menu)

Enter the copy count, then click the OK button. The copied outdoor units will be added to the outdoor unit list. The numbers of the copied “Line address” and “Outdoor name” will automatically be increased in one.

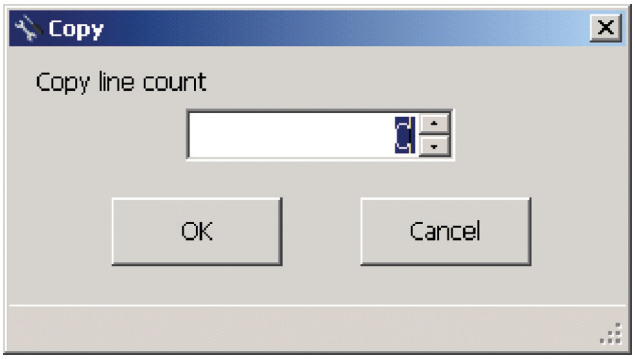


Fig.290 [Copy line count] screen

■ Deleting the data of outdoor units

Select one or more lines of outdoor units on the [Outdoor] tab (Fig.5), and click the [Delete] button, or select the [Operation] menu > [Outdoor Unit] > [Delete].

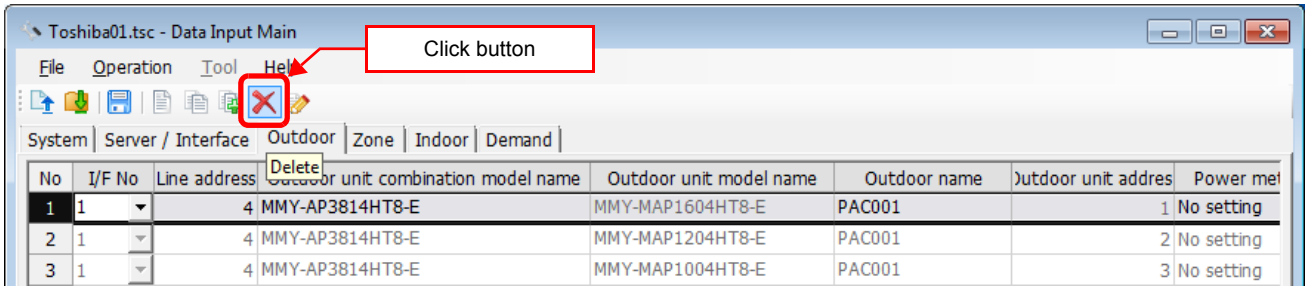


Fig.291 [Outdoor] tab (Delete button)

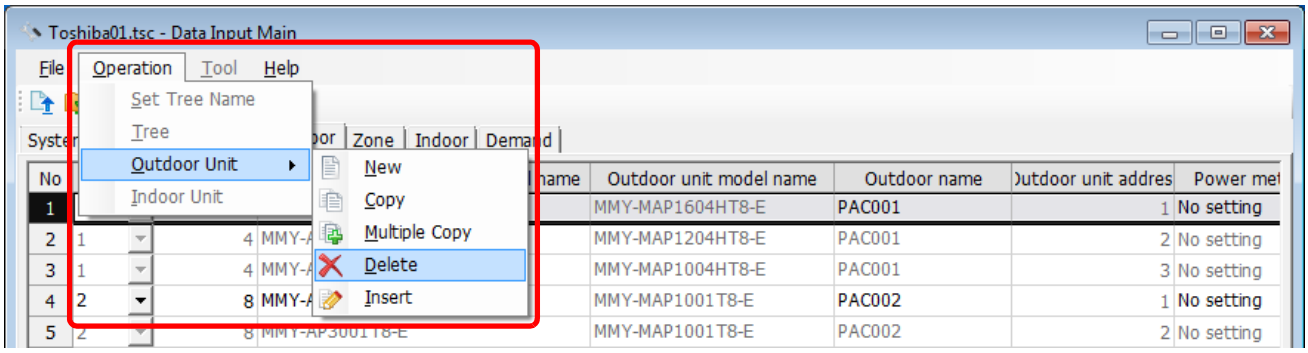


Fig.292 [Outdoor] tab (Delete menu)

The deletion confirmation dialog box appears.
Click the OK button to delete. The outdoor units will be deleted from the outdoor unit list. To cancel deletion, click the Cancel button.

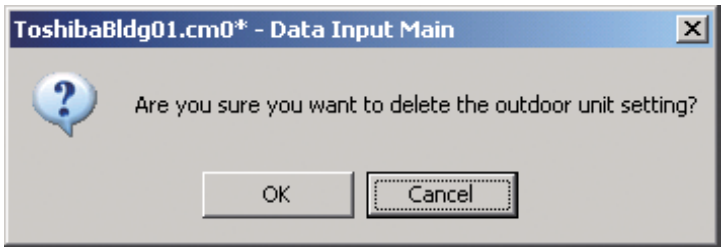


Fig.293 Deletion confirmation dialog box

EN

■ Inserting an outdoor unit

Select a line of an outdoor unit on the [Outdoor] tab (Fig.5), and click the [Insert] button, or select the [Operation] menu > [Outdoor Unit] > [Insert]. A line will be inserted at the selected location in the outdoor unit list.

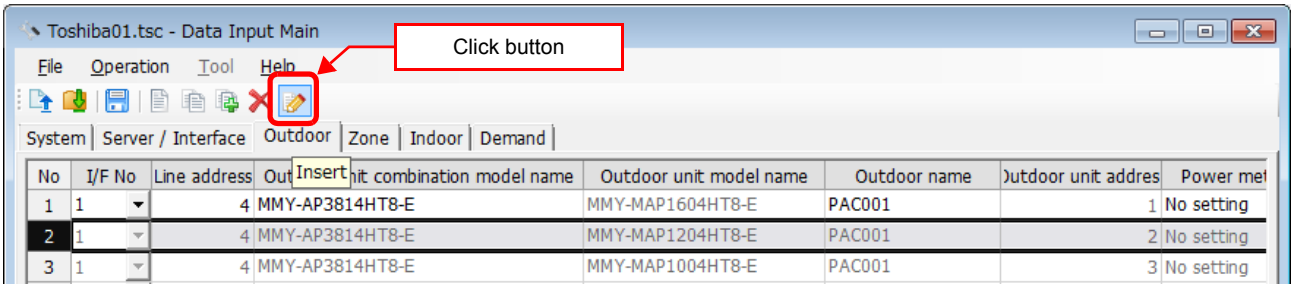


Fig.294 [Outdoor] tab (Insert button)

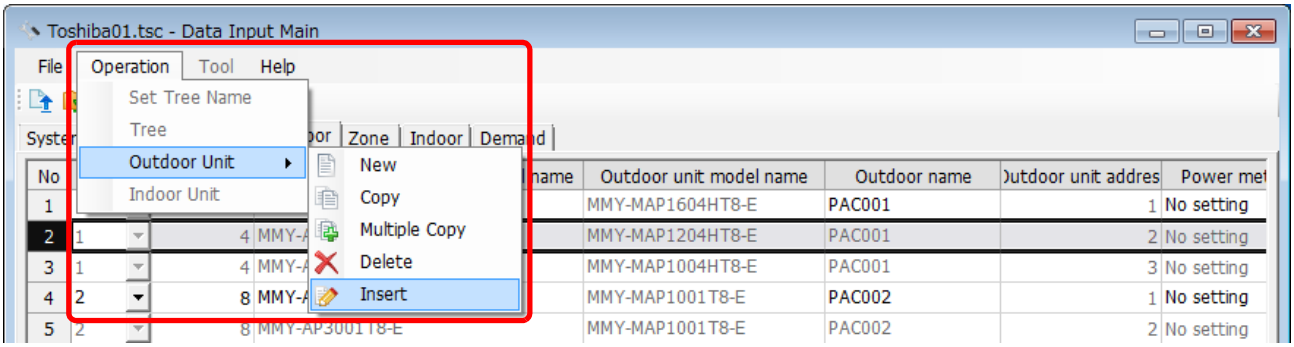


Fig.295 [Outdoor] tab (Insert menu)

■ Editing a zone

On the [Zone] tab, select a section (Floor, Monthly report tenant, Tenant, Area) from the combo box in the upper left corner of the window. Enter a name in the displayed zone list.

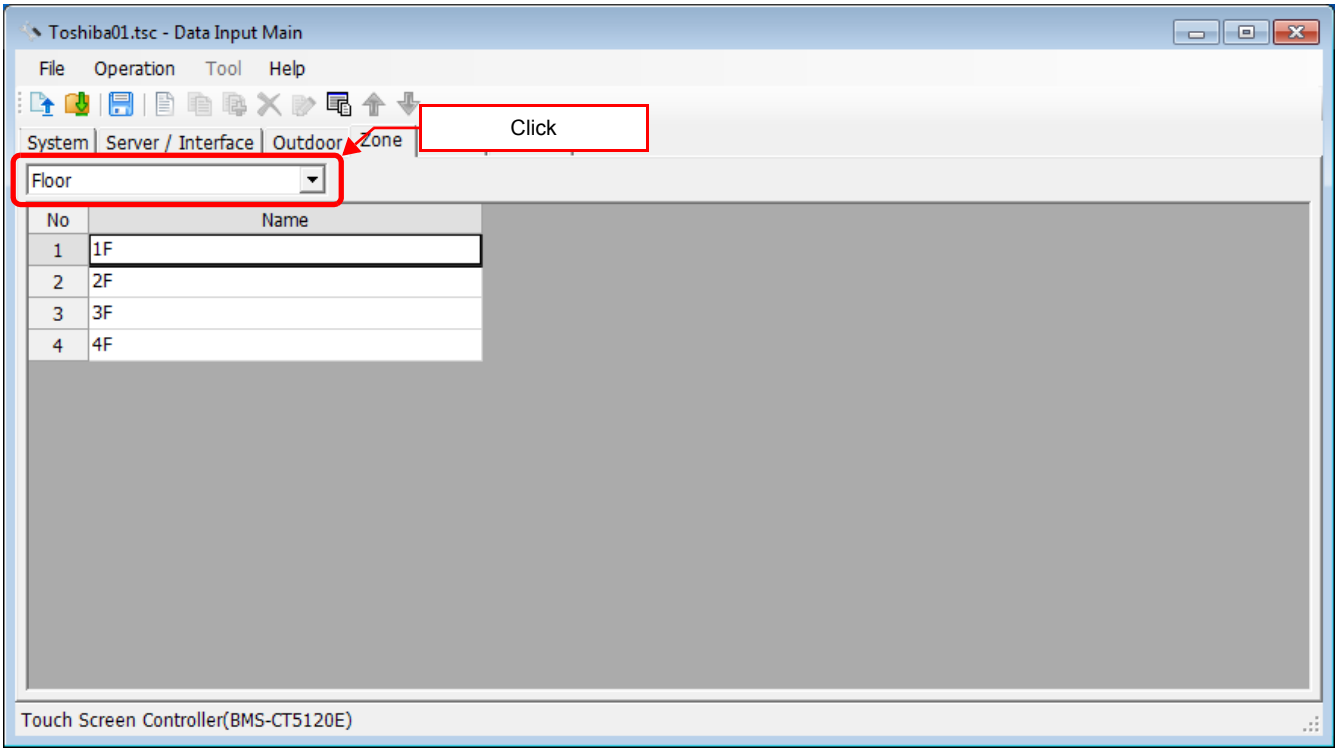


Fig.296 [Zone] tab (Floor)

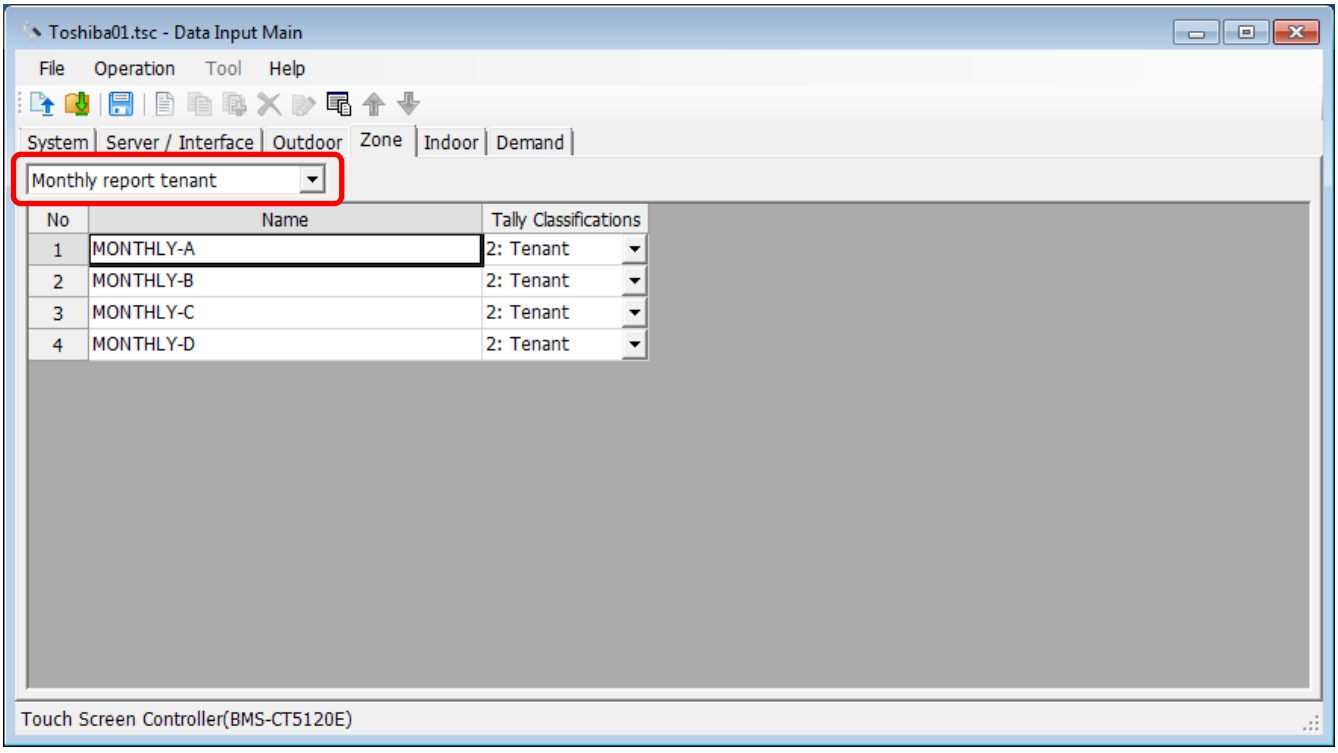


Fig.297 [Zone] tab (Monthly report tenant)

EN

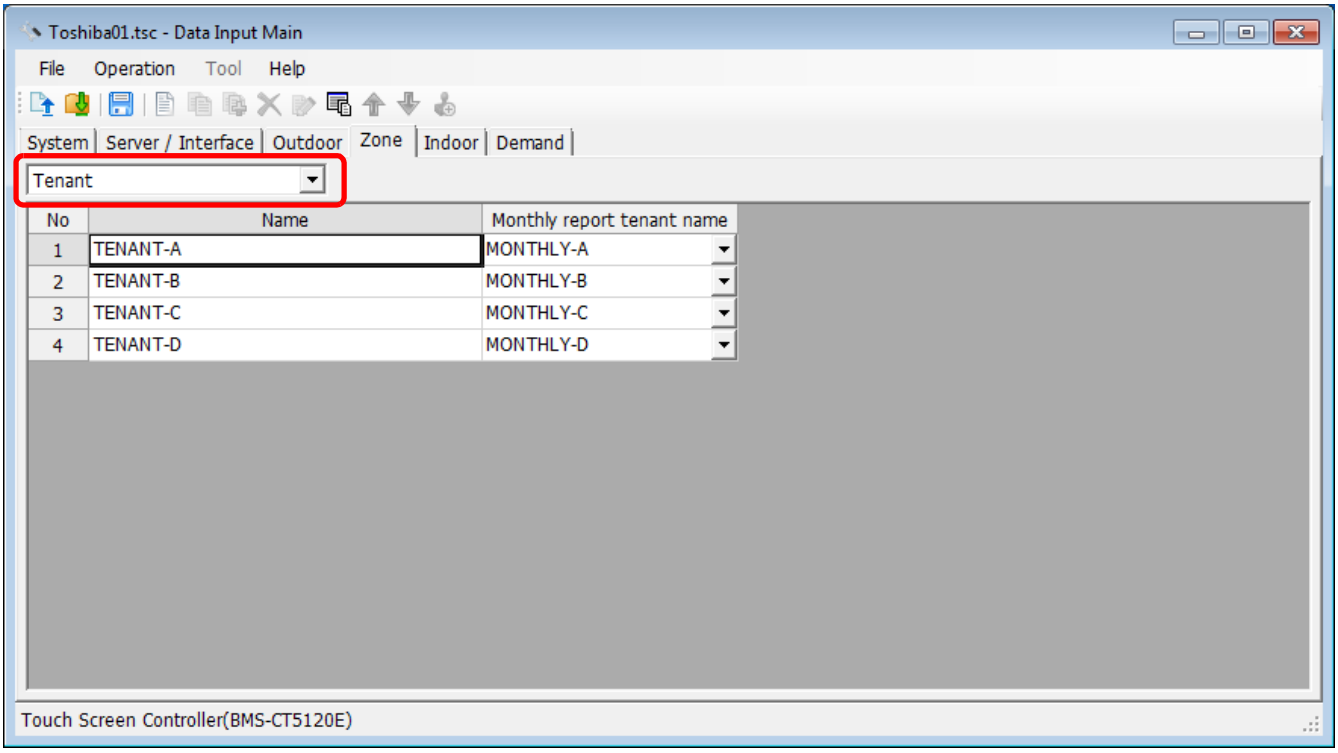


Fig.298 [Zone] tab (Tenant)

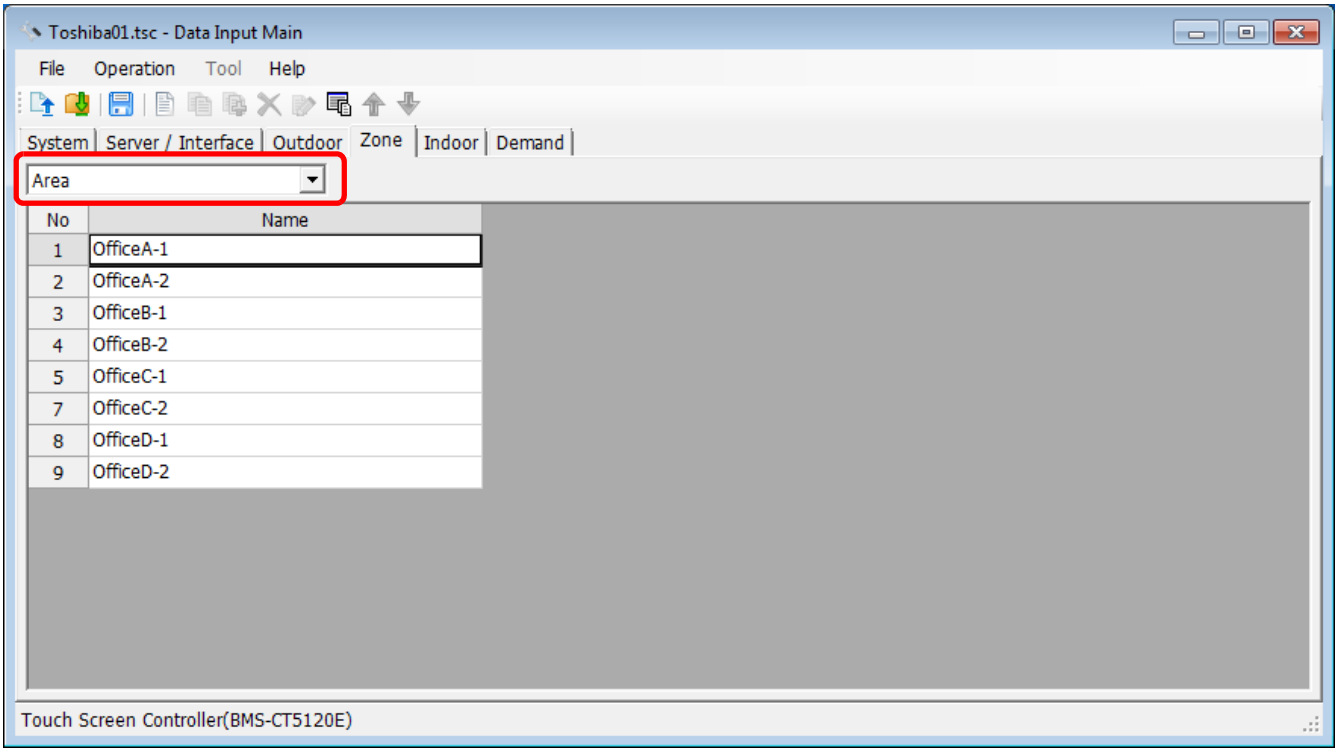


Fig.299 [Zone] tab (Area)

■ Adding a zone

Click the [New] button, or select the [Operation] menu > [Tree] > [New]. A line will be added to the zone list.

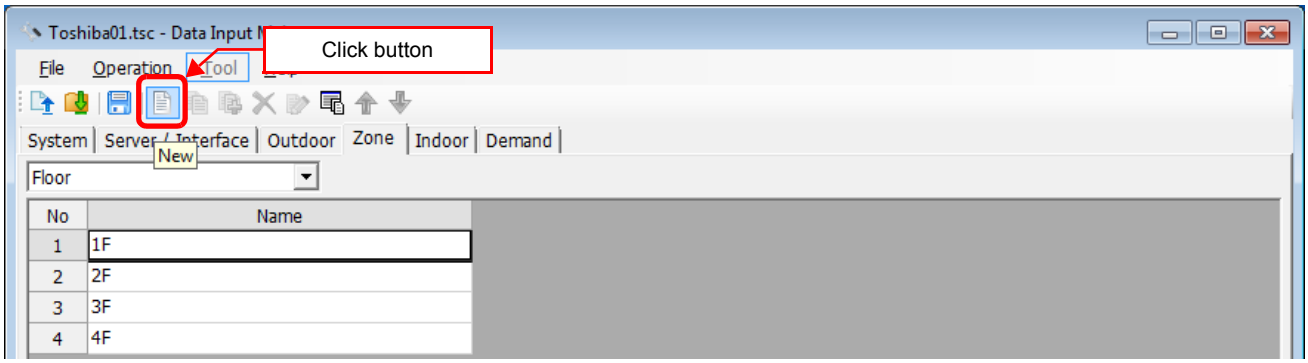


Fig.300 [Zone] tab (New button)

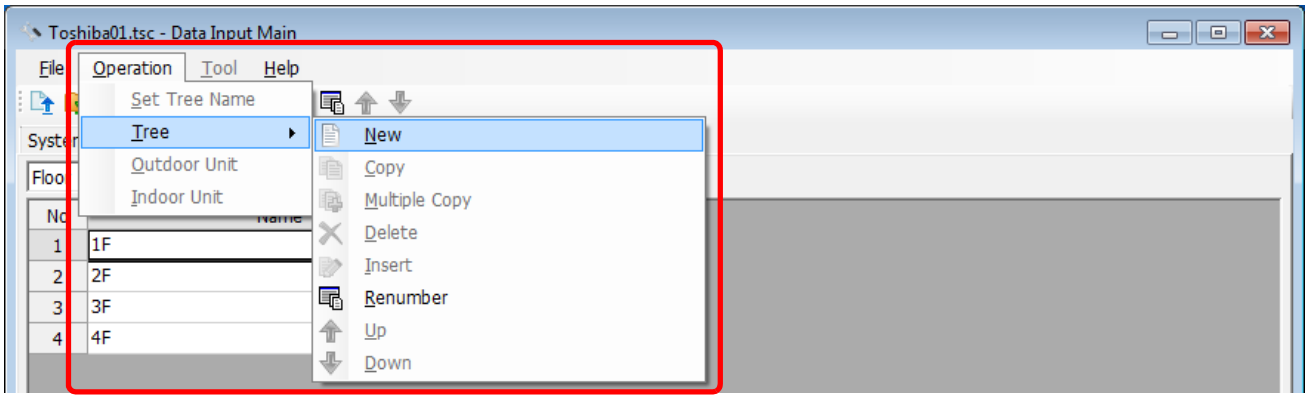


Fig.301 [Zone] tab (New button)

The following table shows how to enter / select data:

Item	Data type	Selection	Note
Name	Entered by user		
Tally Classifications	Selected by user	Select from list	Monthly report tenant only
Monthly report tenant name	Selected by user	Select from list	Tenant only

Table.18 How to enter / select data

EN

■ Copying the data of a zone

Select a line of a zone on the [Zone] tab, and click the [Copy] button, or select the [Operation] menu > [Tree] > [Copy]. The copied zone will be added to the zone list. The number of the copied “Name” will automatically be increased in one.

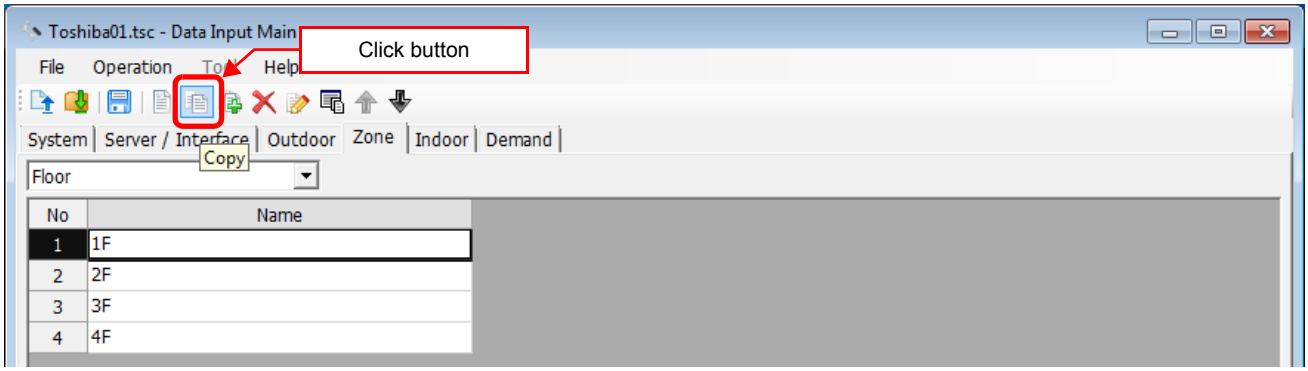


Fig.302 [Zone] tab (Copy button)

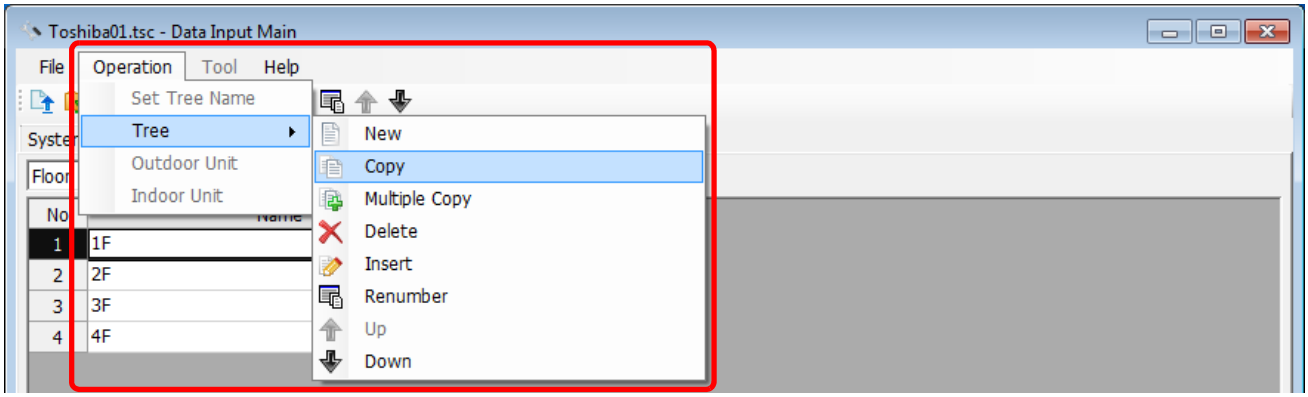


Fig.303 [Zone] tab (Copy menu)

■ Copying the data of multiple zones

Select a line of zone on the [Zone] tab, and click the [Multicopy] button, or select the [Operation] menu > [Tree] > [Multicopy]. The Copy line count screen appears.

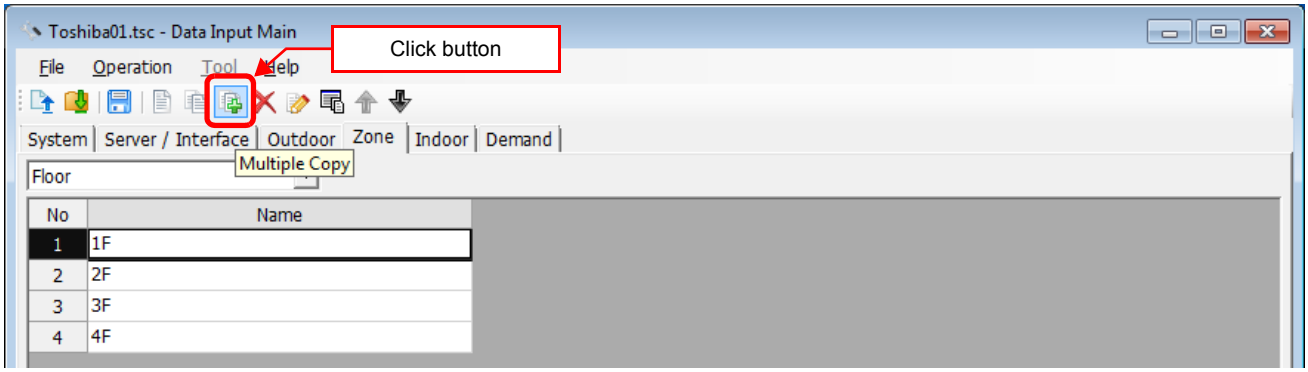


Fig.304 [Zone] tab (Multicopy button)

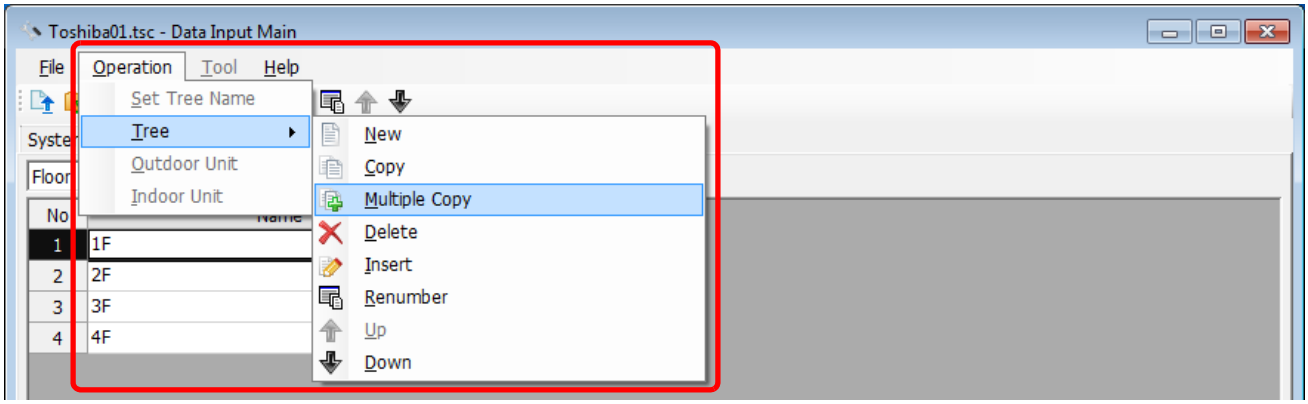


Fig.305 [Zone] tab (Multicopy menu)

Enter the copy count, then click the OK button. The copied zones will be added to the zone list. The number of the copied “Name” will automatically be increased in one.

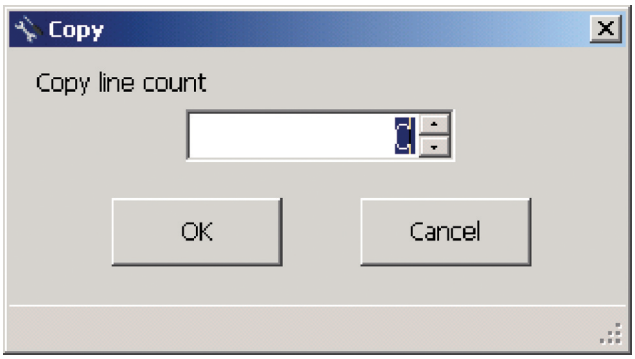


Fig.306 [Copy line count] screen

EN

■ Deleting the data of zones

Select one or more lines of zones on the [Zone] tab (Fig.6), and click the [Delete] button, or select the [Operation] menu > [Tree] > [Delete].

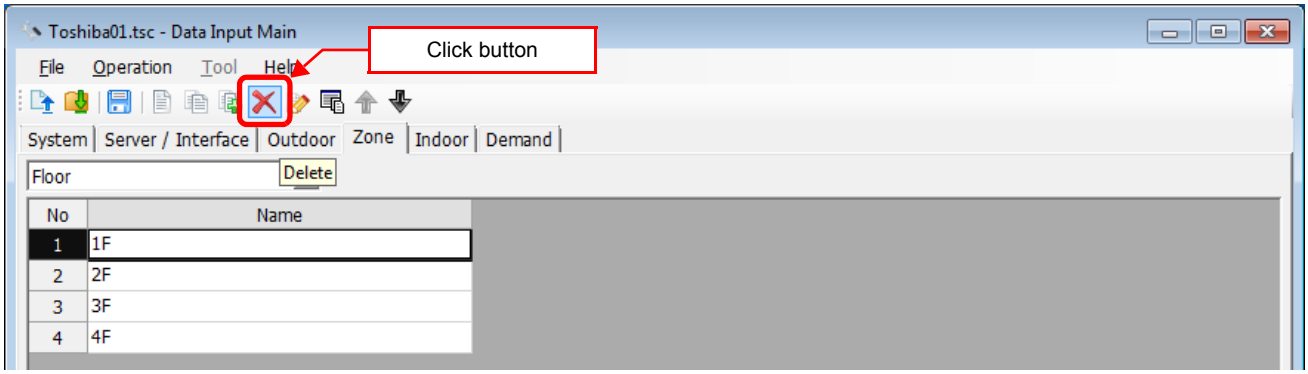


Fig.307 [Zone] tab (Delete button)

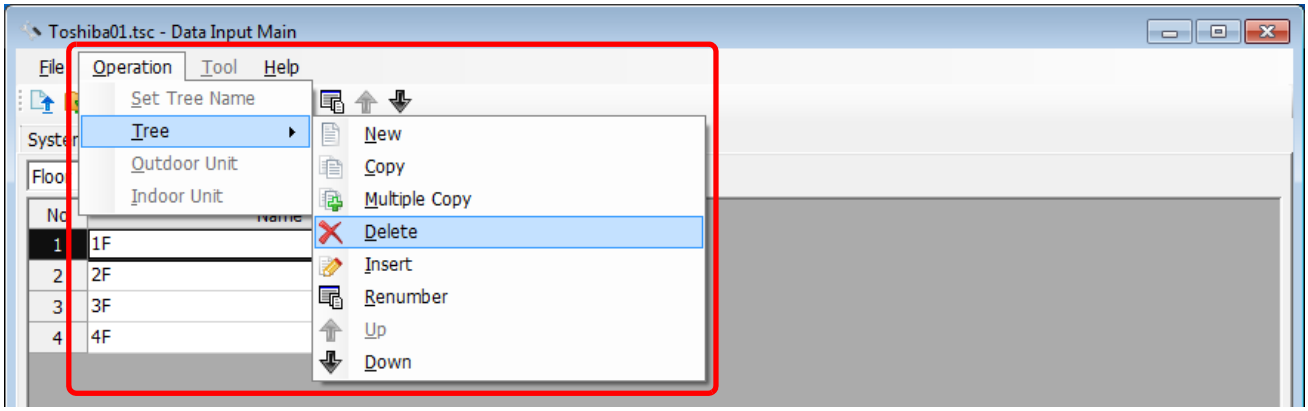


Fig.308 [Zone] tab (Delete menu)

The deletion confirmation dialog box appears.
Click the OK button to delete. The zones will be deleted from the zone list. To cancel deletion, click the Cancel button.

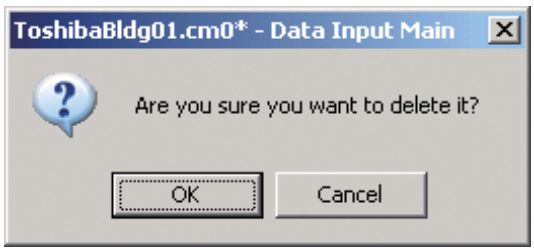


Fig.309 Deletion confirmation dialog box

Note that the following data will also be deleted if a zone is deleted:
- The Zone setting of an indoor unit set to the deleted zone

■ Inserting a zone

Select a line of a zone on the [Zone] tab (Fig.6), and click the [Insert] button, or select the [Operation] menu > [Tree] > [Insert]. A line will be inserted at the selected location in the zone list.

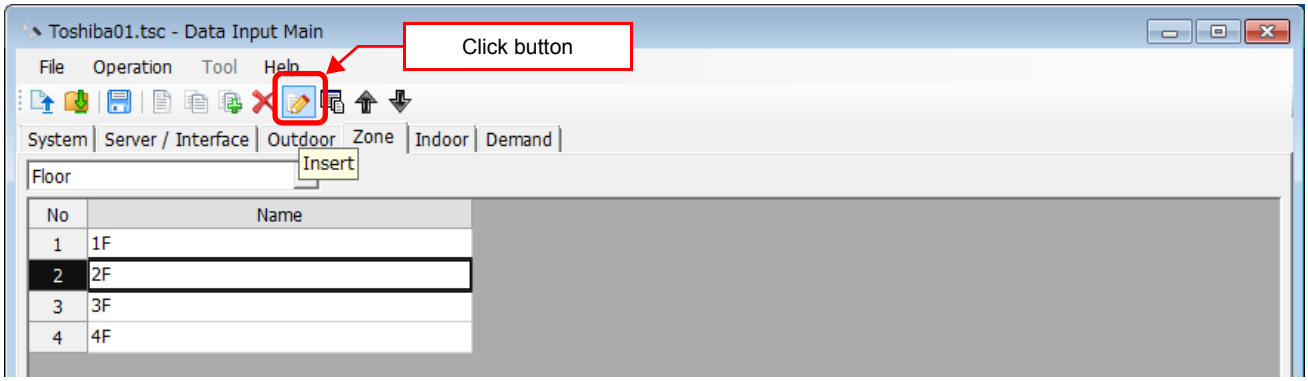


Fig.310 [Zone] tab (Insert button)

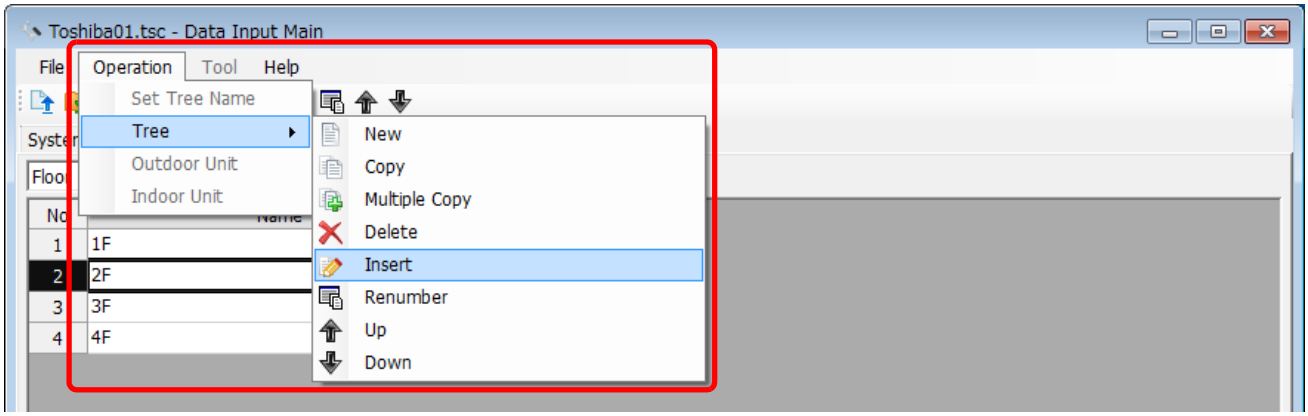


Fig.311 [Zone] tab (Insert menu)

EN

■ Renumbering the zones

Click the [Renumber] button, or select the [Operation] menu > [Tree] > [Renumber]. The numbers in the “No” column will be reassigned.

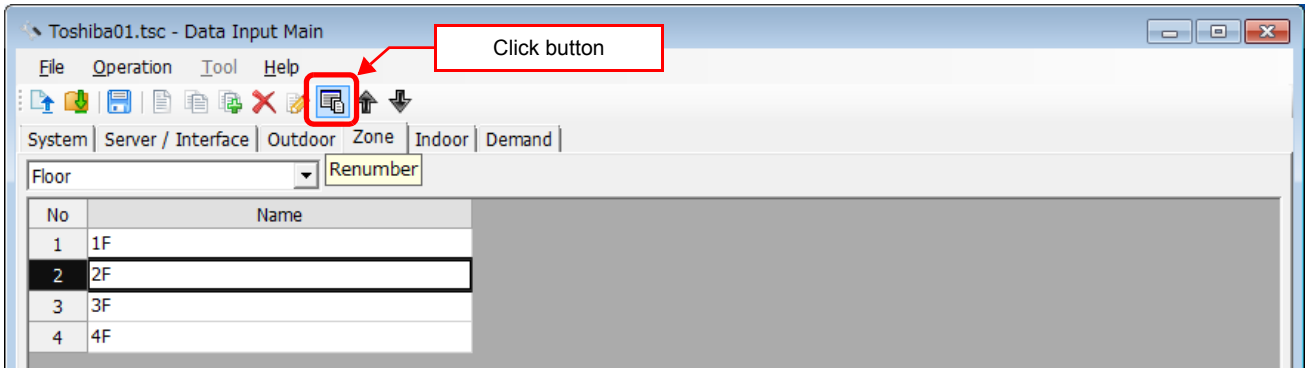


Fig.312 [Zone] tab (Renumber button)

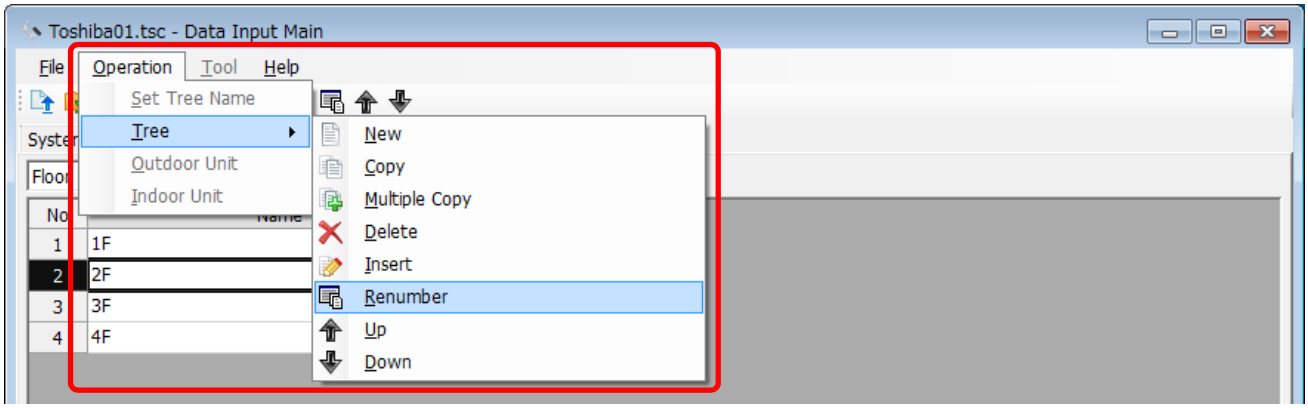


Fig.313 [Zone] tab (Renumber menu)

■ Changing the order of the zones

Select a line of a zone on the [Zone] tab, and click the [Up] / [Down] button, or select the [Operation] menu > [Tree] > [Up] / [Down]. The selected line moves up or down.

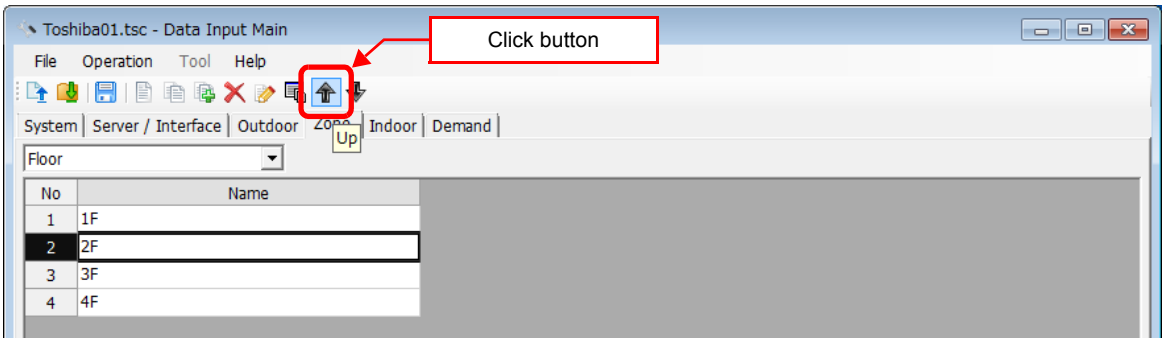


Fig.314 [Zone] tab (Up button)

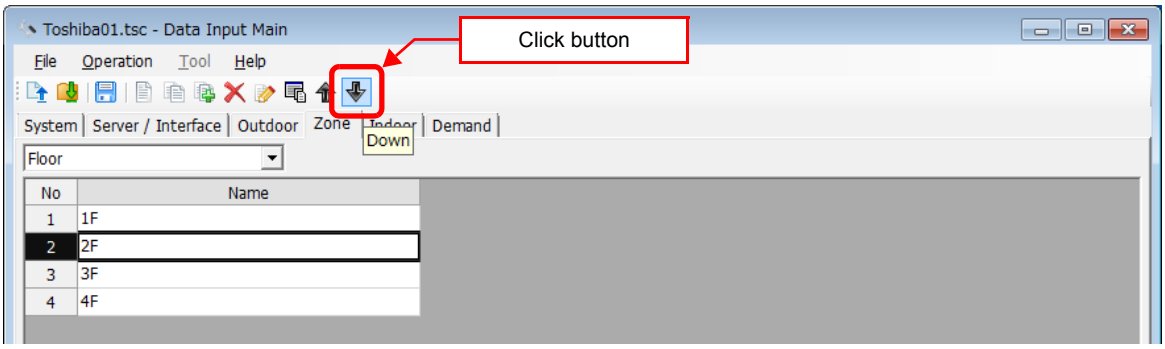


Fig.314-1 [Zone] tab (Down button)

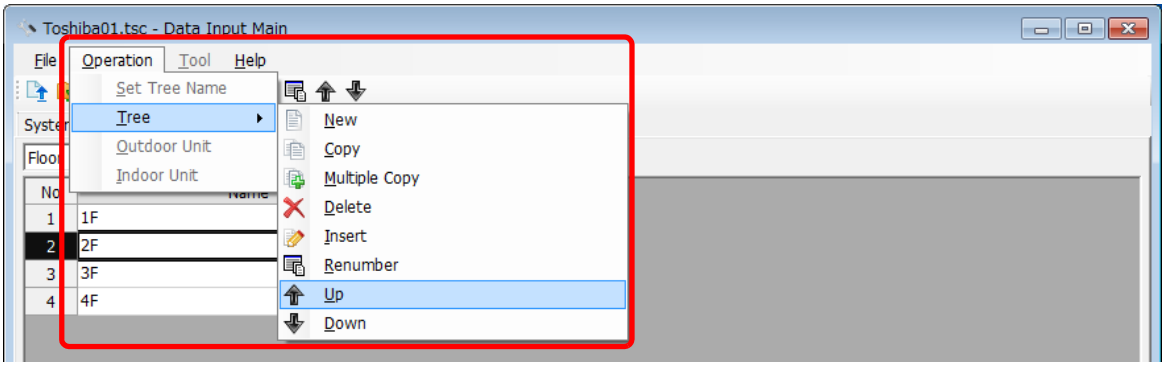


Fig.315 [Zone] tab (Up menu)

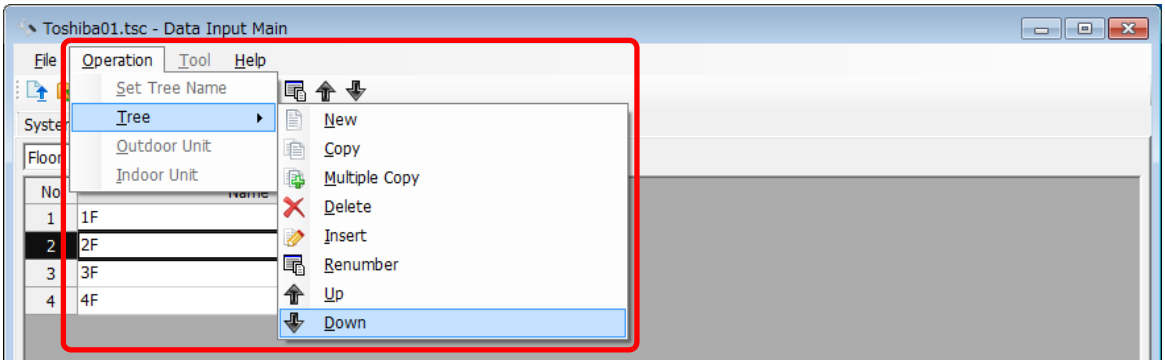


Fig.315-1 [Zone] tab (Down menu)

EN

■ Adding an indoor unit

Click the [New] button, or select the [Operation] menu > [Indoor Unit] > [New]. A line will be added to the indoor unit list.

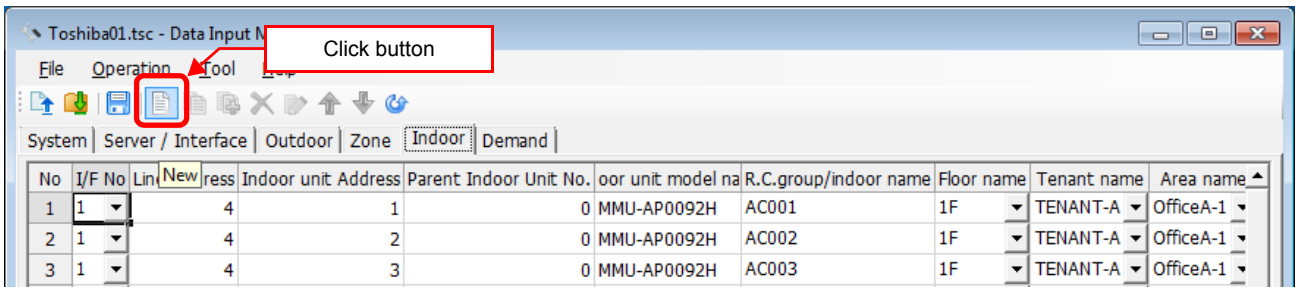


Fig.316 [Indoor] tab (New button)

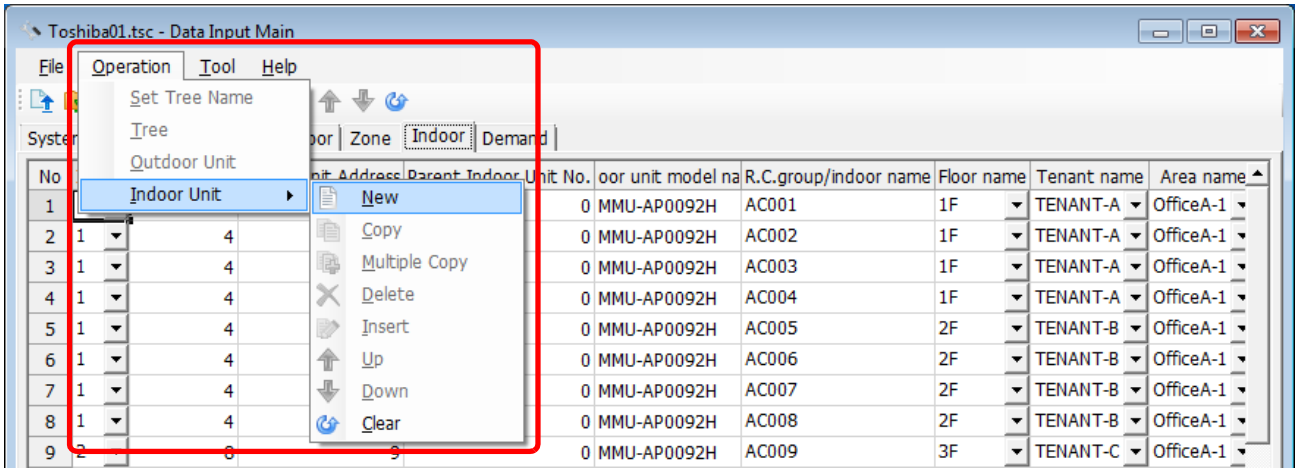


Fig.317 [Indoor] tab (New menu)

The following table shows how to enter / select data:

Item	Data type	Selection	Note
LINE No / I/F No	Selected by user	Select from list	
Line Address	Entered by user		
Indoor unit address	Entered by user		
Parent Indoor Unit No.	Entered by user		
Indoor unit model name	Selected by user	Select from the Select indoor unit model screen	
R.C.group / indoor name	Entered by user		
Floor name	Selected by user	Select from list	
Tenant name	Selected by user	Select from list	
Area name	Selected by user	Select from list	
Door-lock input name	Selected by user	Select from list	
Power meter input name	Selected by user	Select from list	
General purpose interface Energy Coefficient (kWh)	Entered by user		
Air Conditioner No.	Entered by user		

Table.19 How to enter / select data

Selecting an Indoor Unit

Clicking a cell of an indoor unit model name on the [Indoor] tab (Fig.7) displays the Select indoor unit model screen. On the screen, double-click a cell of an indoor unit model, or select a model then click the OK button. “Indoor unit model name” will automatically become available on the [Indoor] tab (Fig.7). To cancel changing the indoor unit setting, click the Cancel button to return to the [Indoor] tab.

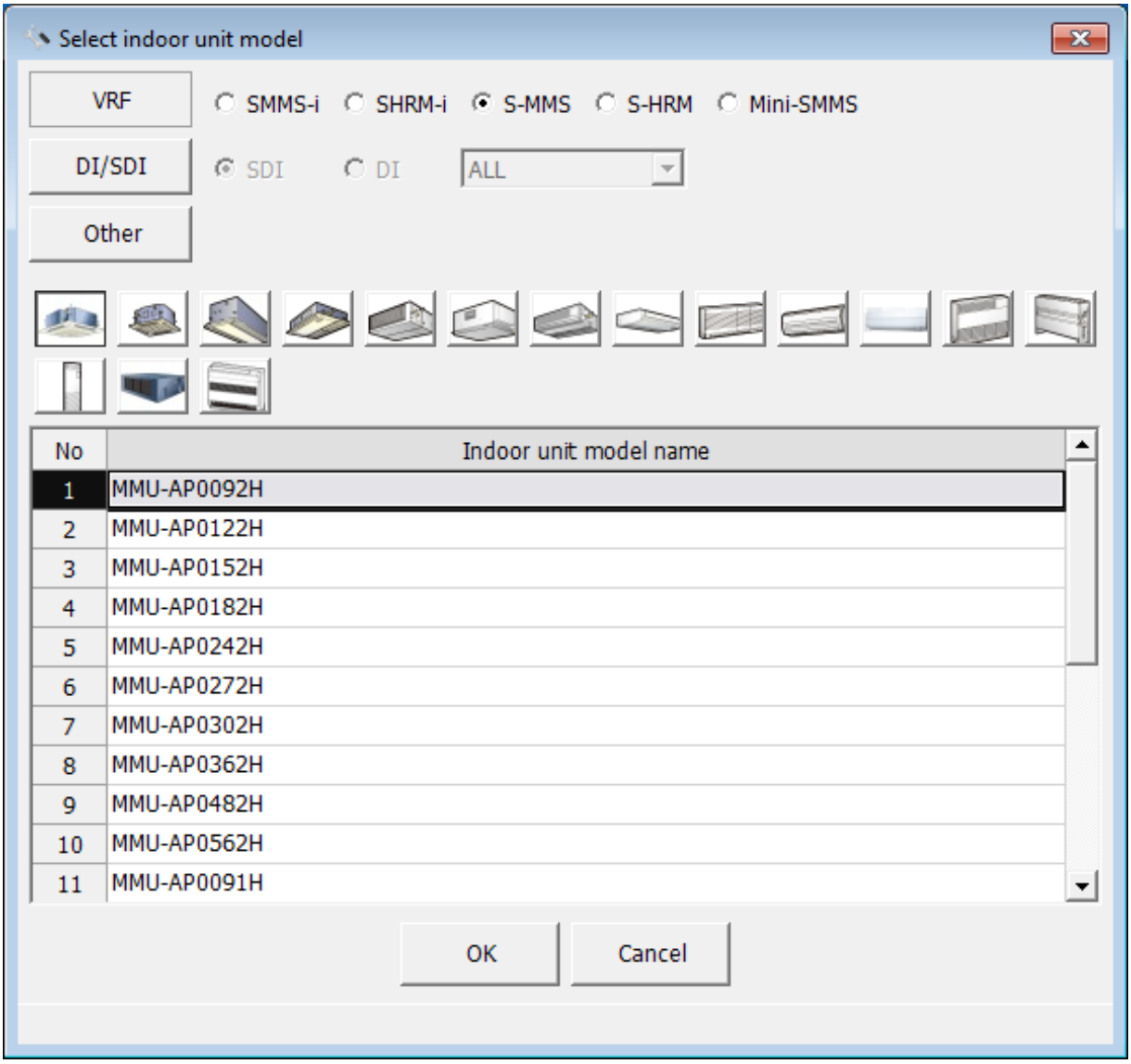


Fig.318 [Select indoor unit model] screen

■ Copying the data of an indoor unit

Select a line of an indoor unit on the [Indoor] tab (Fig.7), and click the [Copy] button, or select the [Operation] menu > [Indoor Unit] > [Copy]. The copied indoor unit will be added to the indoor unit list. The numbers of the copied “Indoor unit address” and “R.C.group / indoor name” will automatically be increased in one.

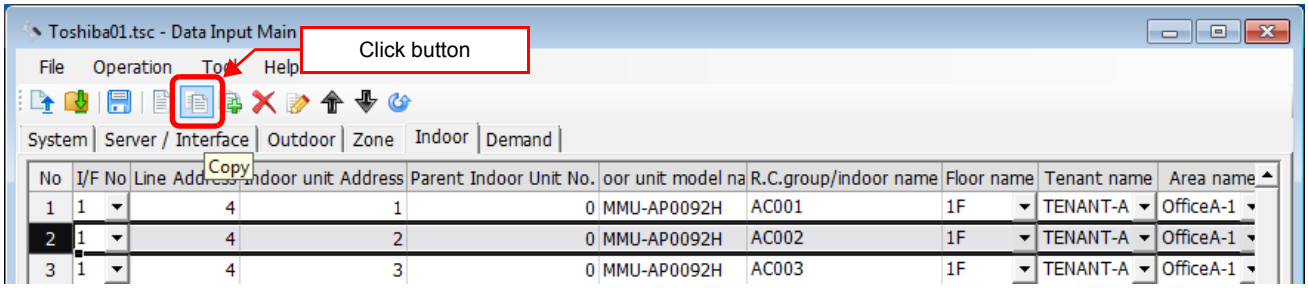


Fig.319 [Indoor] tab (Copy button)

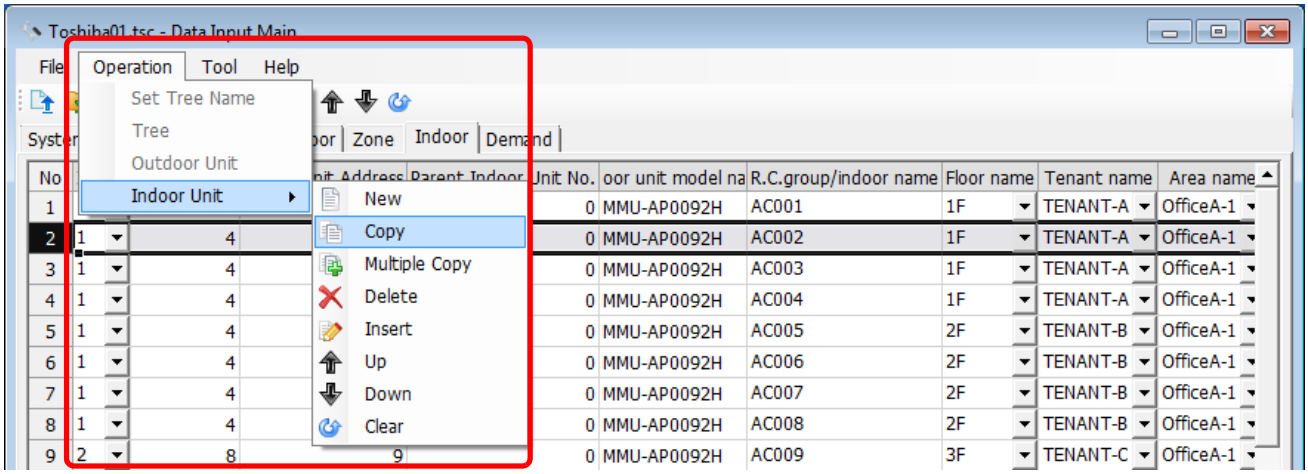


Fig.320 [Indoor] tab (Copy menu)

EN

■ Copying the data of multiple indoor units

Select a line of indoor unit on the [Indoor] tab (Fig.7), and click the [Multicopy] button, or select the [Operation] menu > [Indoor Unit] > [Multicopy]. The Copy line count screen appears.

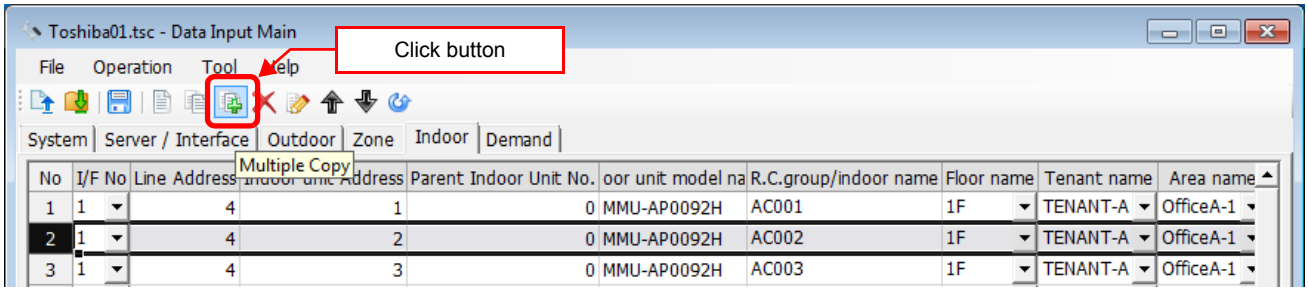


Fig.321 [Indoor] tab (Multicopy button)

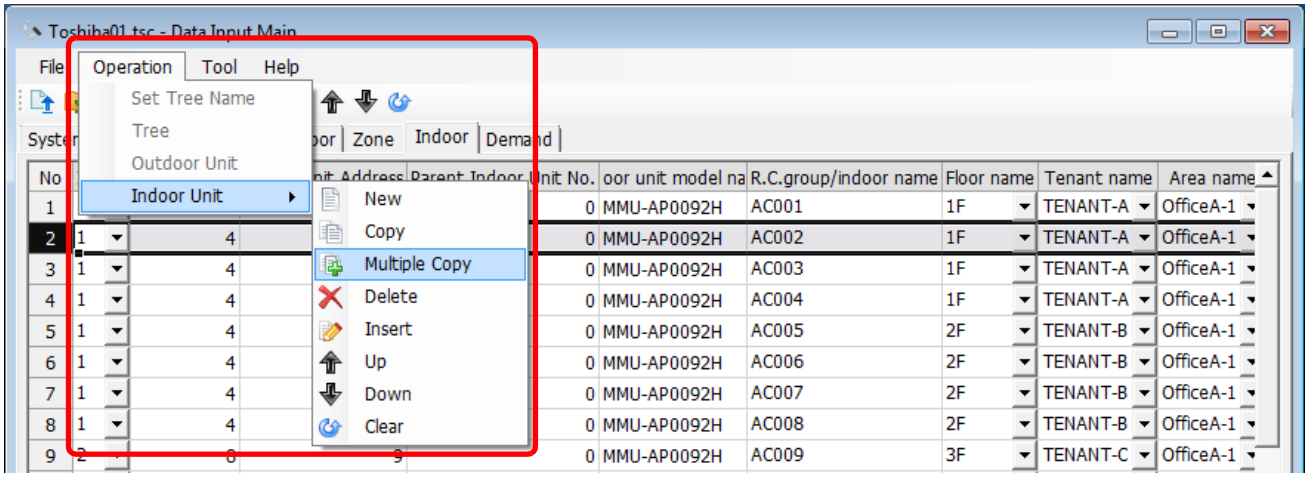


Fig.322 [Indoor] tab (Multicopy menu)

Enter the copy count, then click the OK button. The copied indoor units will be added to the indoor unit list. The numbers of the copied “Indoor unit address” and “R.C.group / indoor name” will automatically be increased in one.

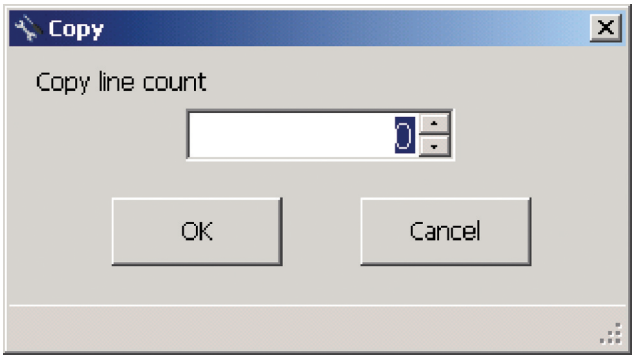


Fig.323 [Copy line count] screen

■ Deleting the indoor units

Select one or more lines of indoor units on the [Indoor] tab (Fig.7), and click the [Delete] button, or select the [Operation] menu > [Indoor Unit] > [Delete].

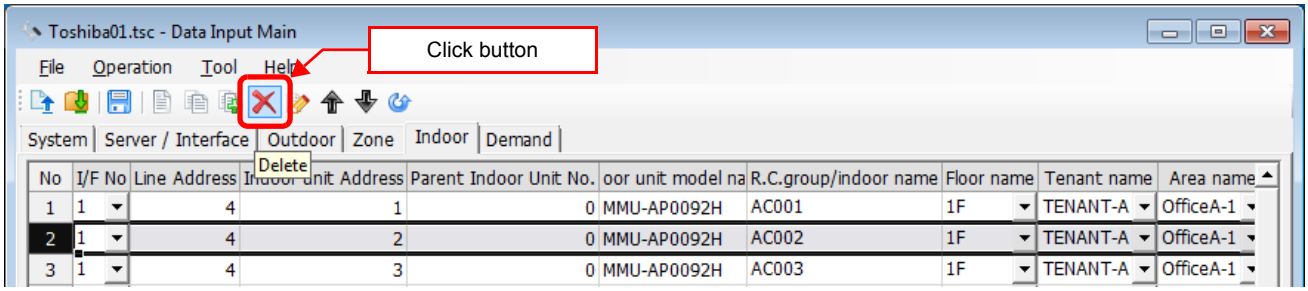


Fig.324 [Indoor] tab (Delete button)

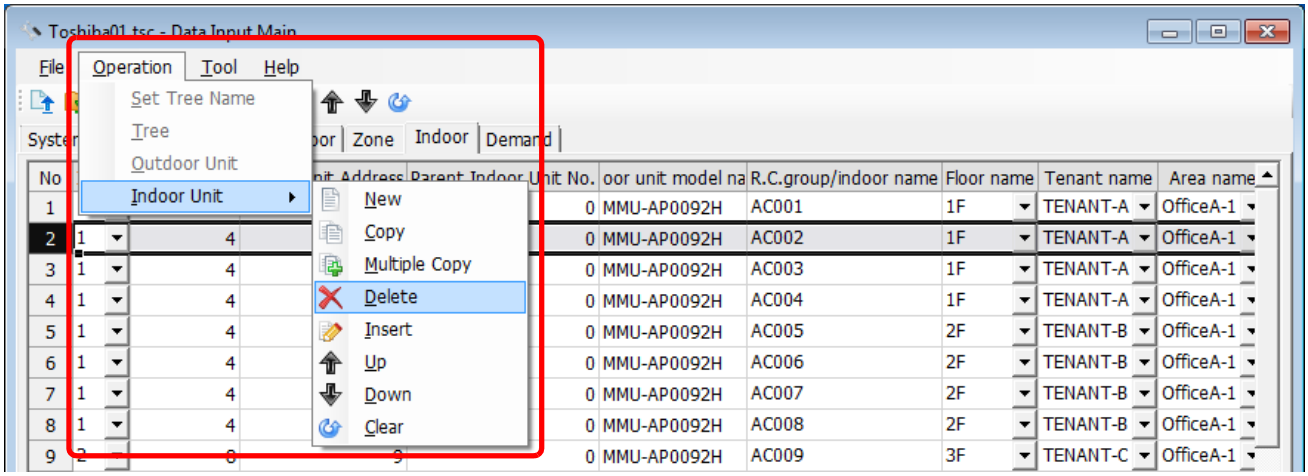


Fig.325 [Indoor] tab (Delete menu)

The deletion confirmation dialog box appears.
Click the OK button to delete. The indoor units will be deleted from the indoor unit list. To cancel deletion, click the Cancel button.

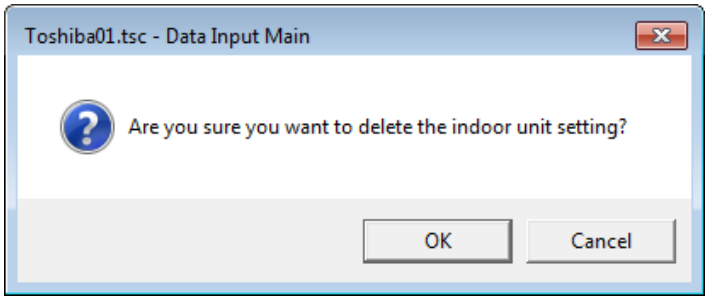


Fig.326 Deletion confirmation dialog box

EN

■ Inserting an indoor unit

Select a line of an indoor unit on the [Indoor] tab (Fig.7), and click the [Insert] button, or select the [Operation] menu > [Indoor Unit] > [Insert]. A line will be inserted at the selected location in the indoor unit list.

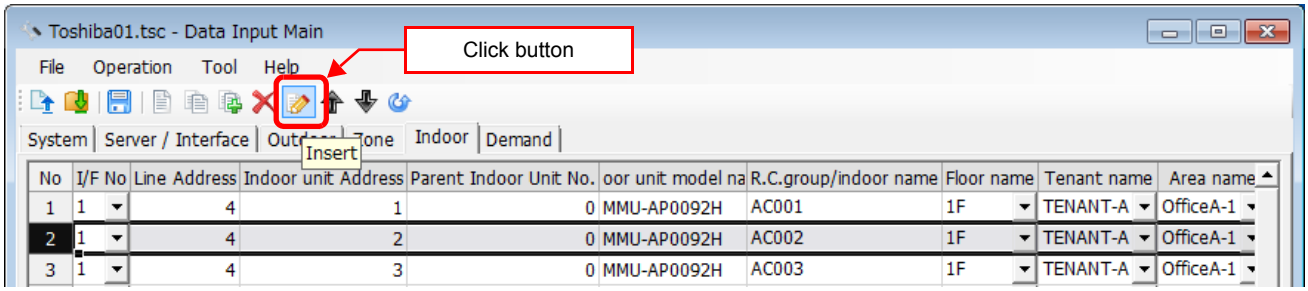


Fig.327 [Indoor] tab (Insert button)

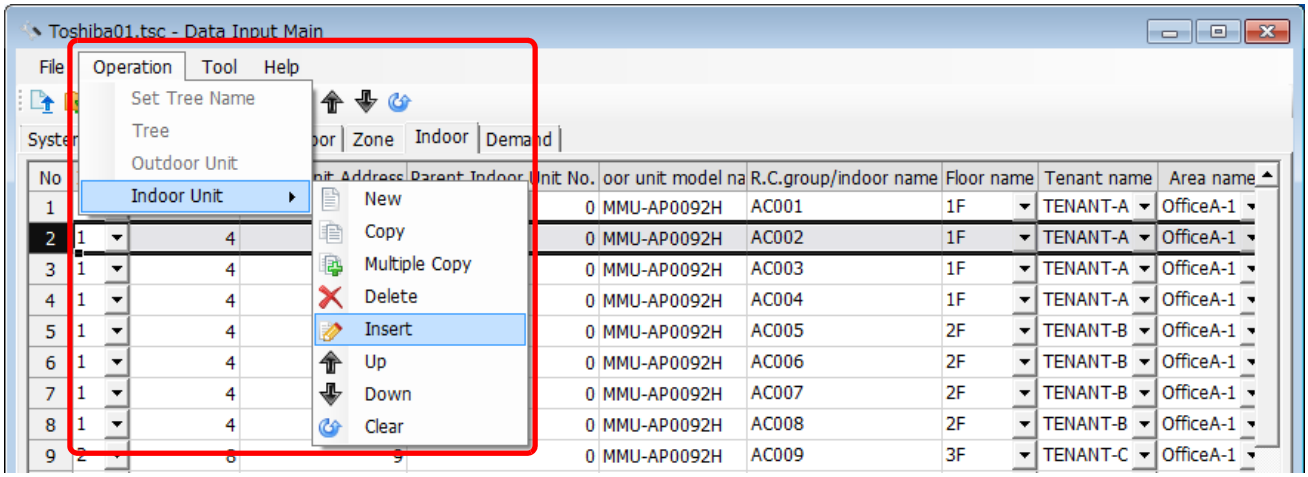


Fig.328 [Indoor] tab (Insert menu)

■ Changing the order of the indoor units

Select a line of an indoor unit on the [Indoor] tab, and click the [Up] / [Down] button, or select the [Operation] menu > [Indoor Unit] > [Up] / [Down]. The selected line moves up or down.

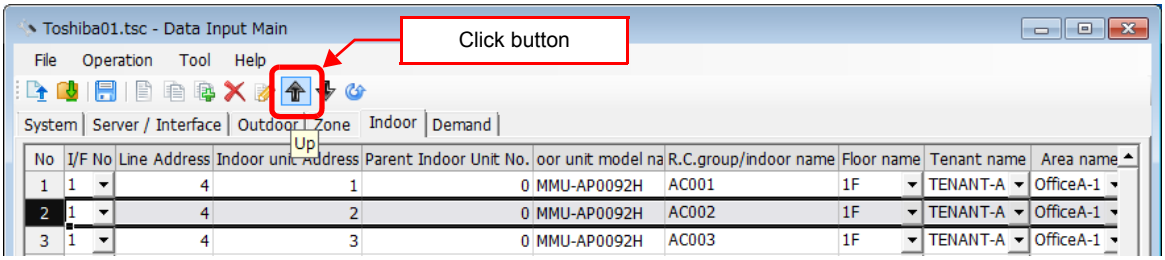


Fig.329 [Indoor Unit] tab (Up button)

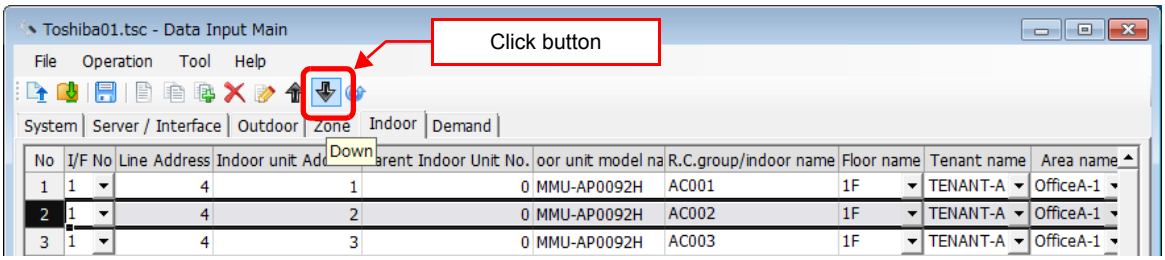


Fig.329-1 [Indoor Unit] tab (Down button)

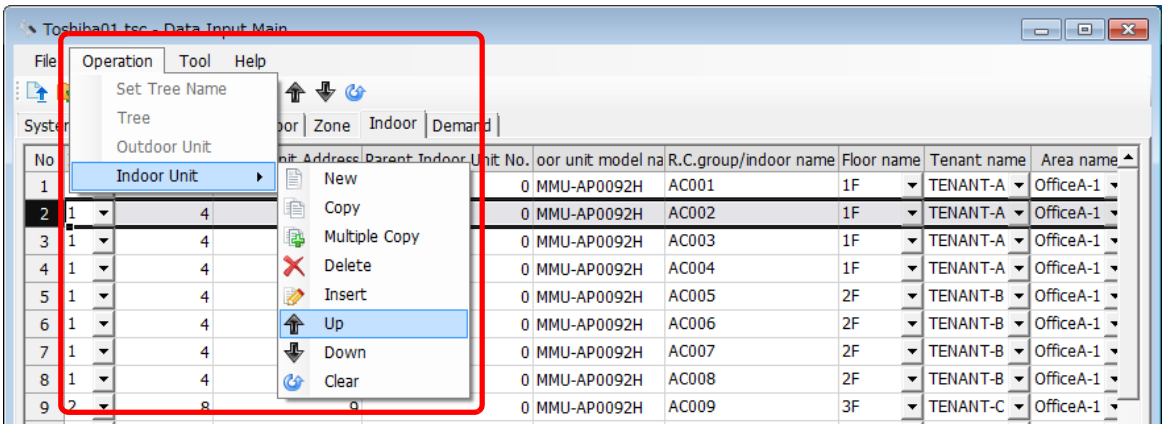


Fig.330 [Indoor Unit] tab (Up menu)

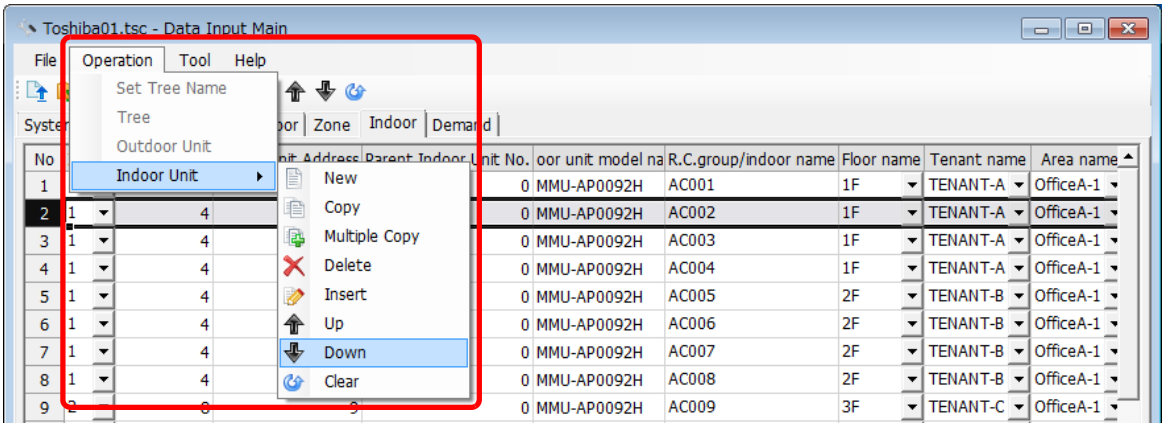


Fig.330-1 [Indoor Unit] tab (Down menu)

EN

■ Deleting all air conditioner No. of the indoor units

Click the [Clear] button, or select the [Operation] menu > [Indoor Unit] > [Clear]. All the Air Conditioner No. will be deleted.

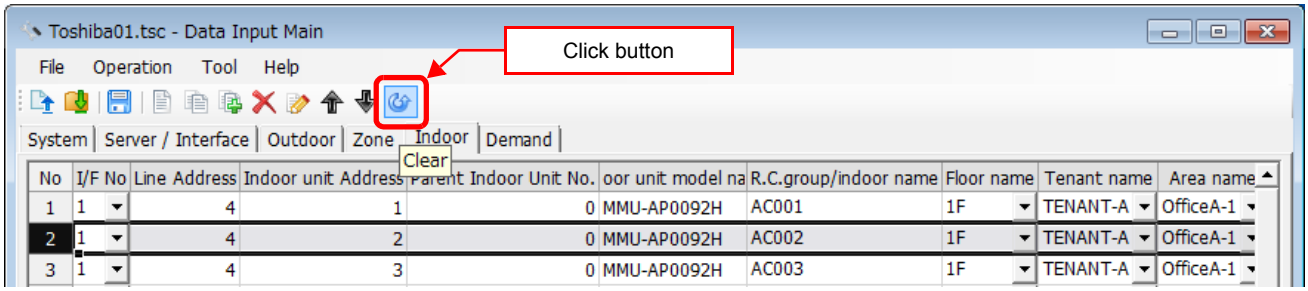


Fig.331 [Indoor Unit] tab (Clear button)

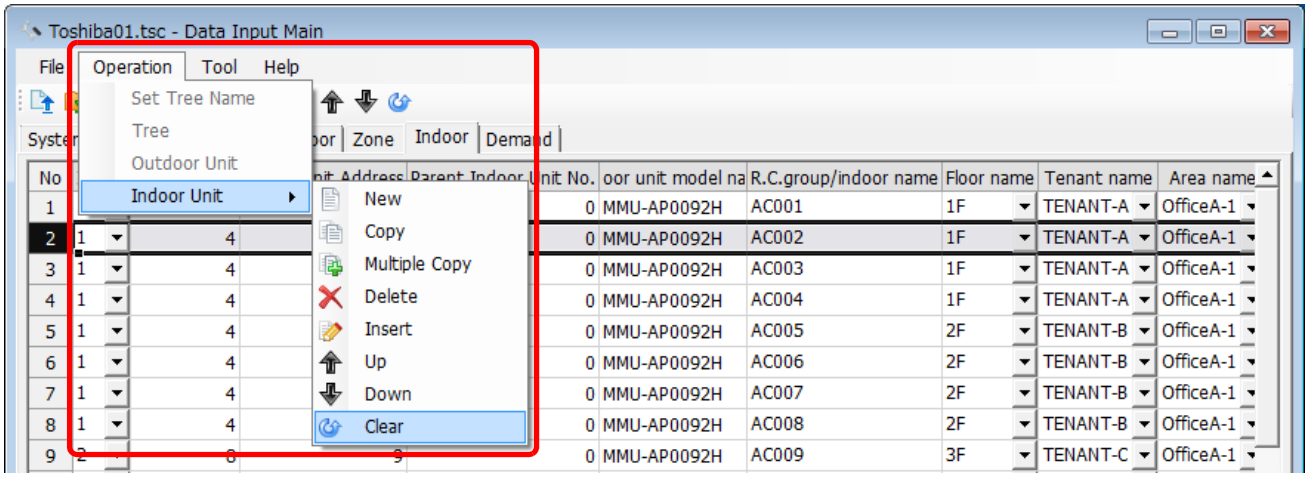


Fig.332 [Indoor Unit] tab (Clear menu)

■ Setting up the demand alarm

Select the [Demand] tab, select a demand device, and set up the demand alarm.

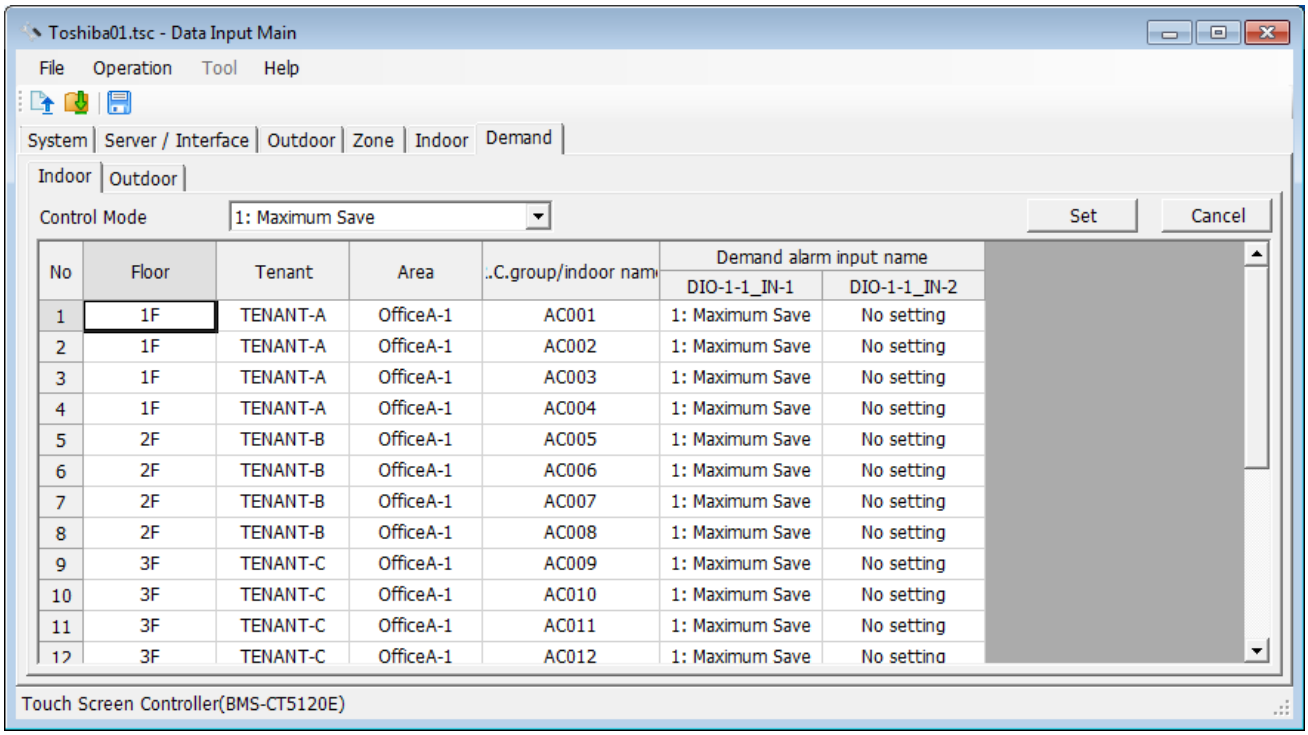


Fig.333 [Demand] tab (Indoor)

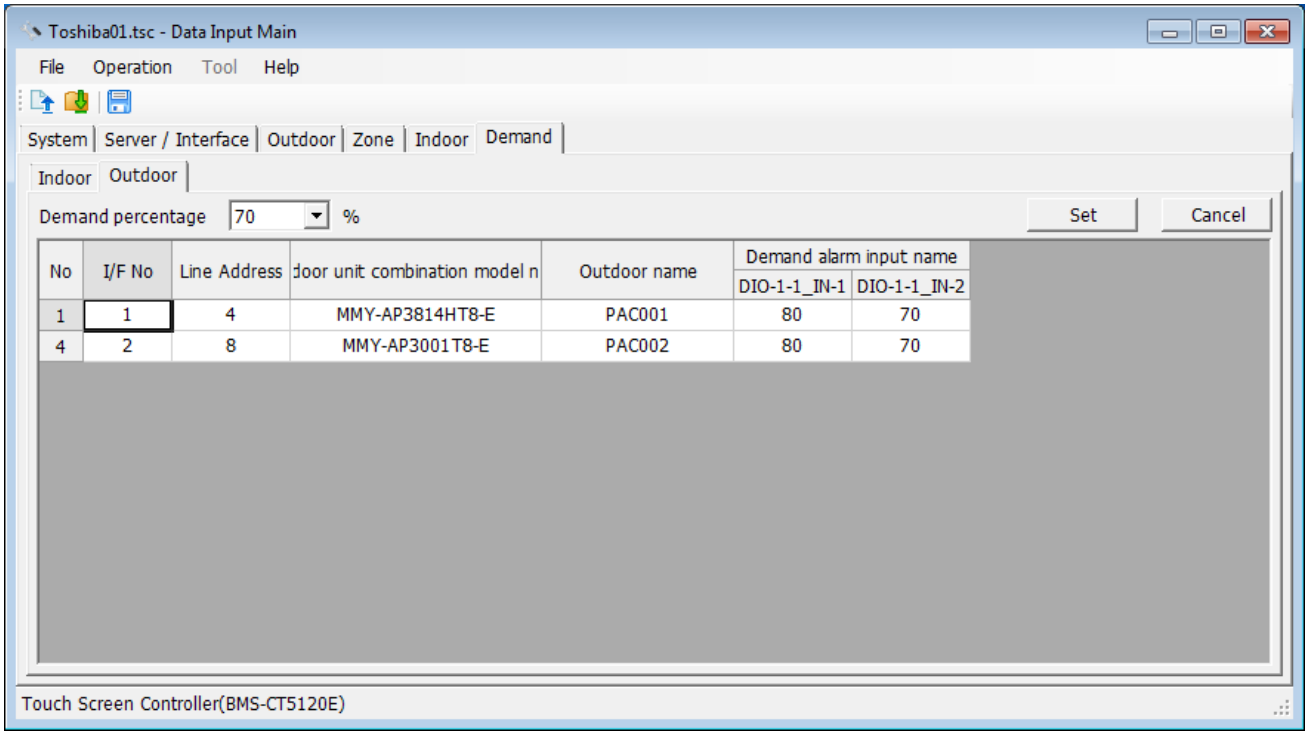


Fig.334 [Demand] tab (Outdoor)

EN

■ Setting / canceling the indoor demand alarm input

The information of the indoor units appears in the Demand list. Select an control mode of the demand alarm from the combo box.

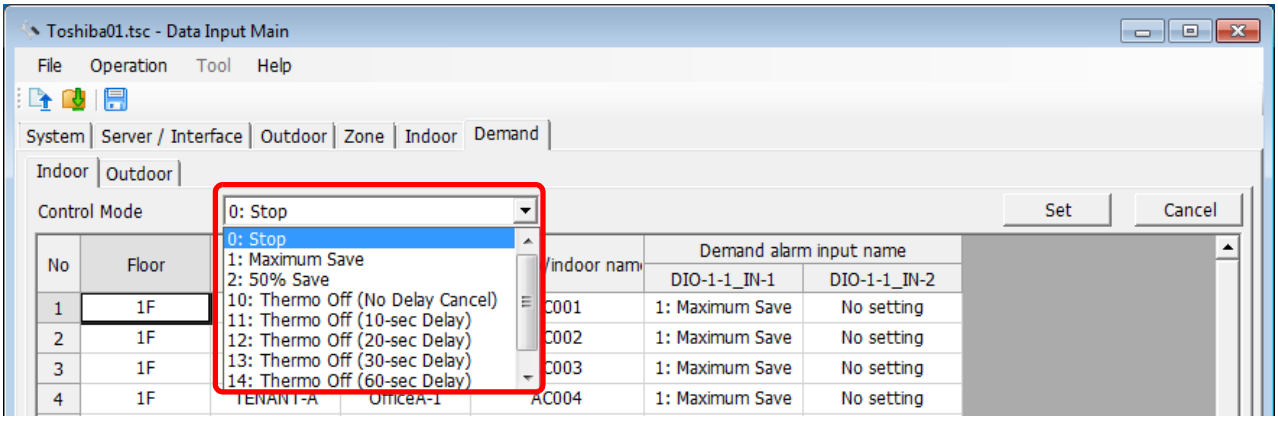


Fig.335 [Demand] tab (Control Mode selection)

Select one or more demand alarm input names.

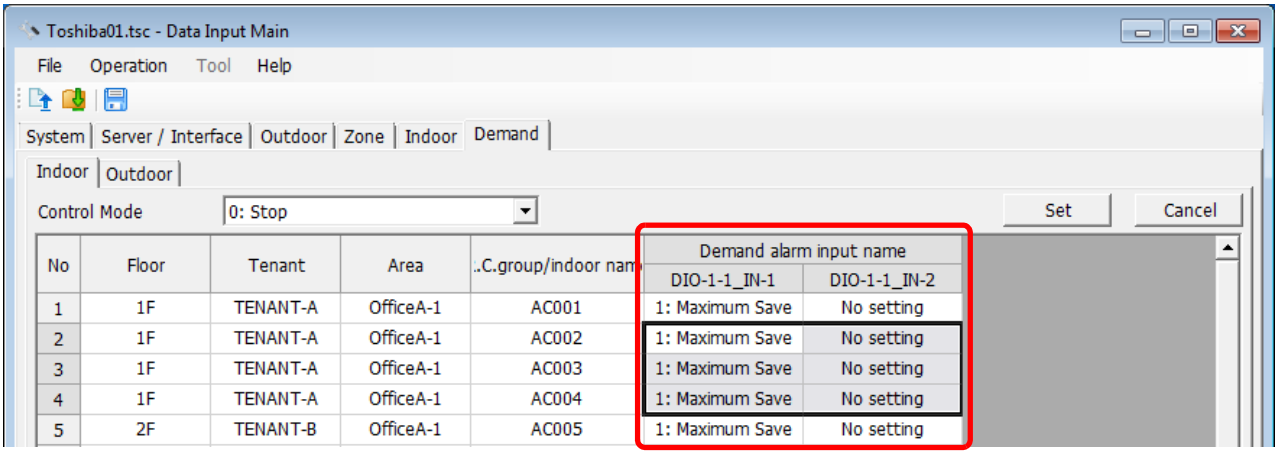


Fig.336 [Demand] tab (Demand Alarm input name selection)

Clicking the [Set] button sets the selected demand alarm names to the selected input mode.

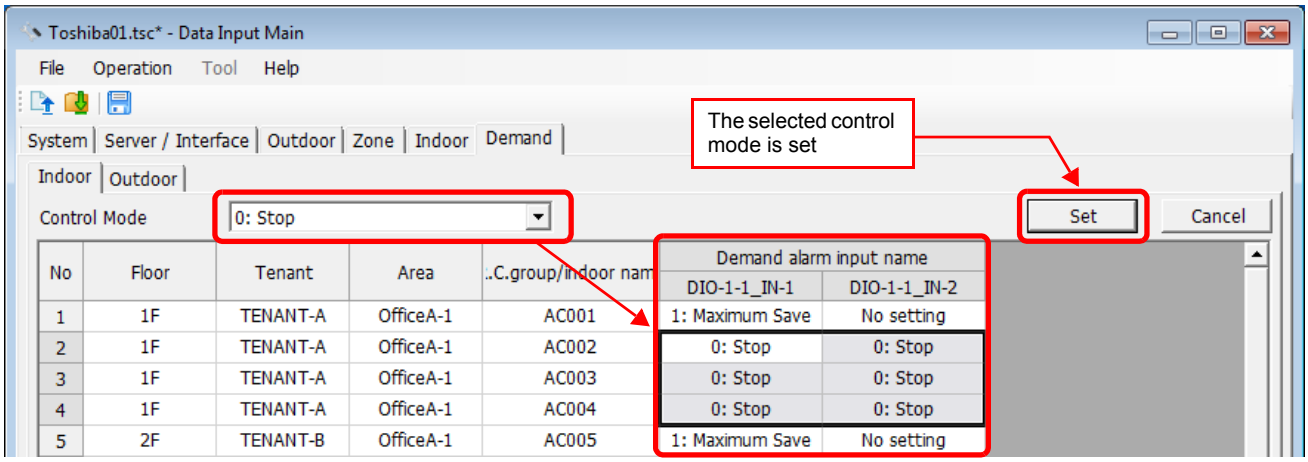


Fig.337 [Demand] tab (Set)

Clicking the [Cancel] button sets the selected demand alarm names to “No setting”.

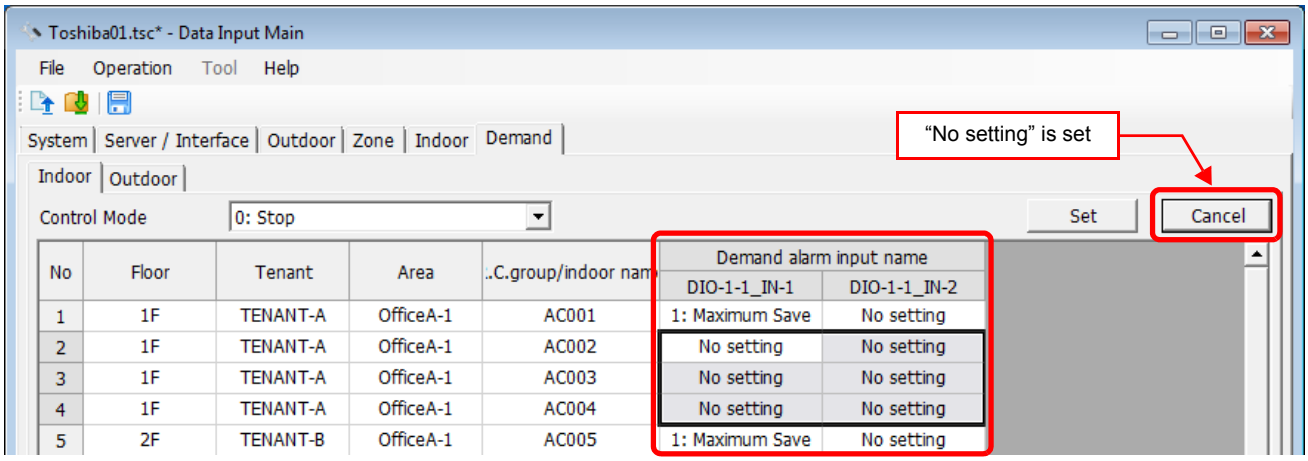


Fig.338 [Demand] tab (Cancel)

EN

■ Setting / canceling the outdoor demand alarm input

The information of the outdoor units appears in the Demand list. Select an control mode of the demand alarm from the combo box.

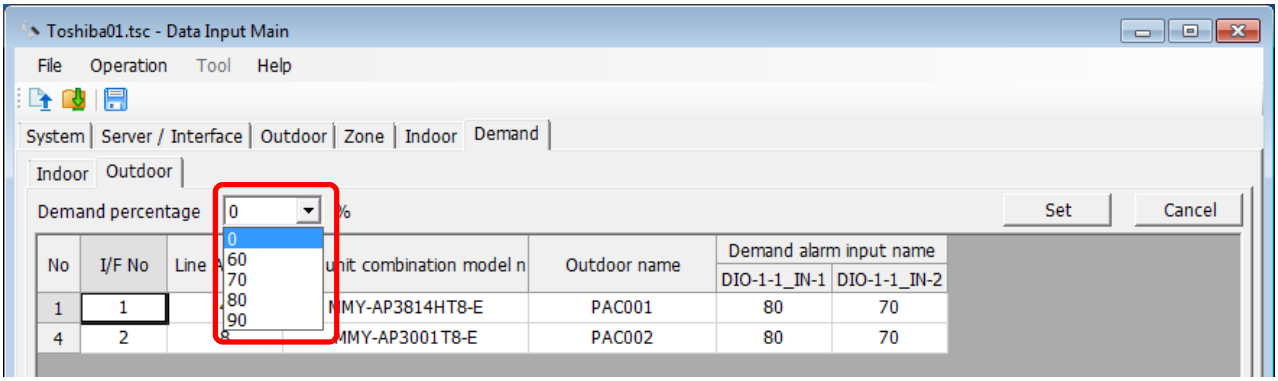


Fig.339 [Demand] tab (Control Mode selection)

Select one or more demand alarm input names.

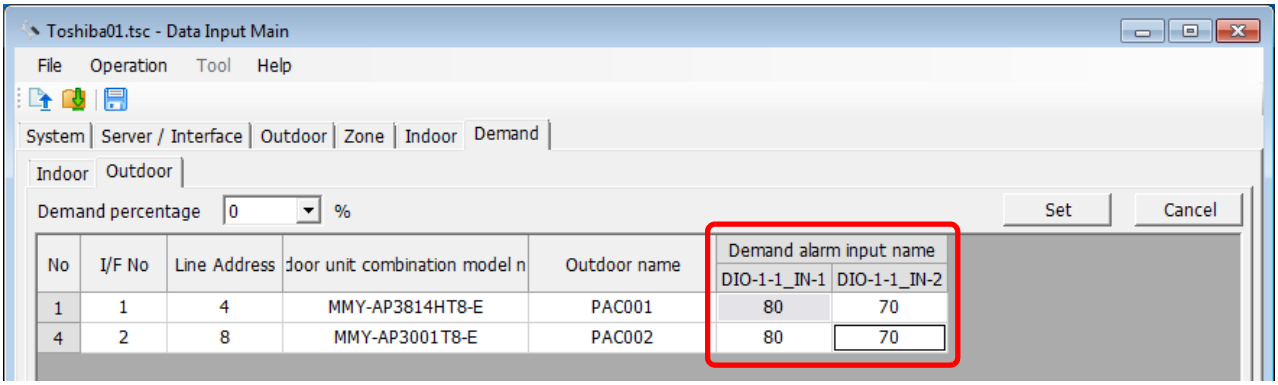


Fig.340 [Demand] tab (Demand Alarm input name selection)

Clicking the [Set] button sets the selected demand alarm names to the selected input mode.

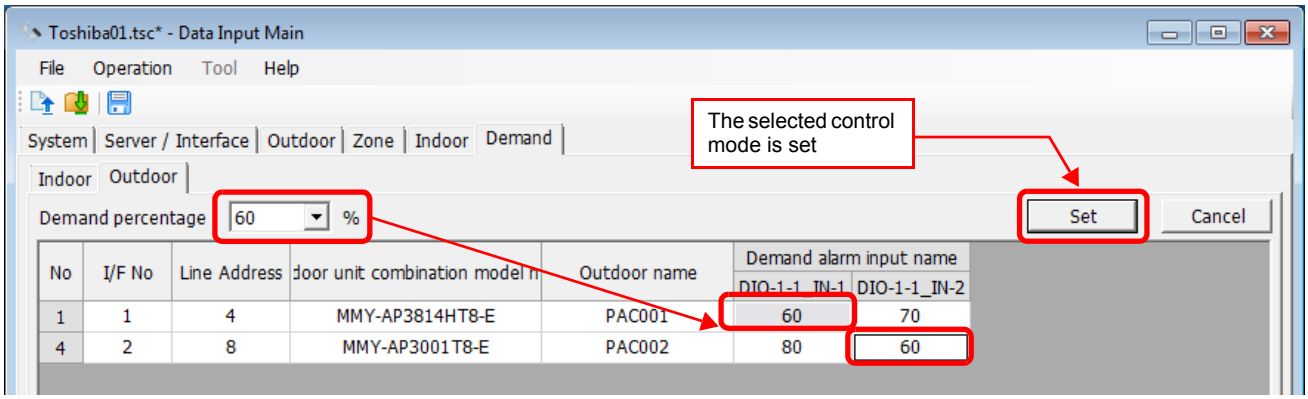


Fig.341 [Demand] tab (Set)

Clicking the [Cancel] button sets the selected demand alarm names to “No setting”.

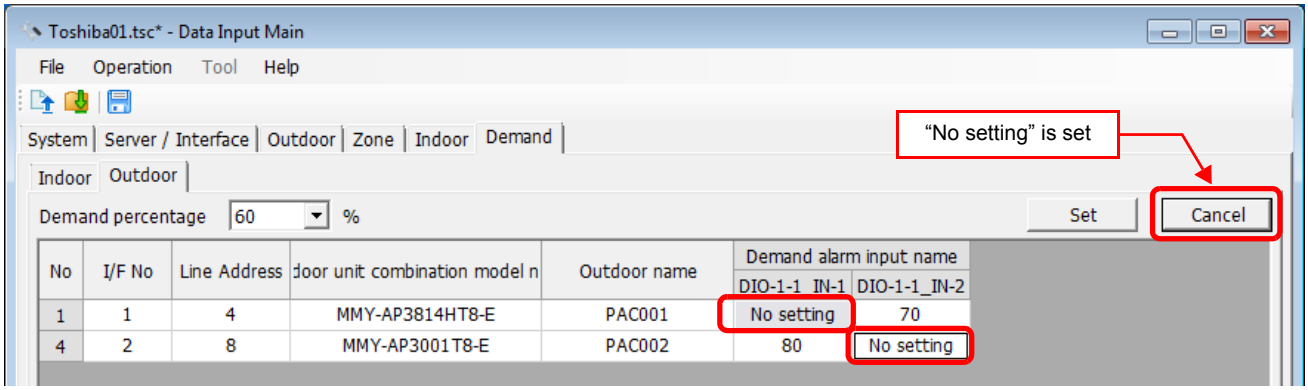


Fig.342 [Demand] tab (Cancel)

EN

■ Saving created data to a file

Click the [Save] button, or select the [File] menu then [Save Setting File] or [Save Setting File As].

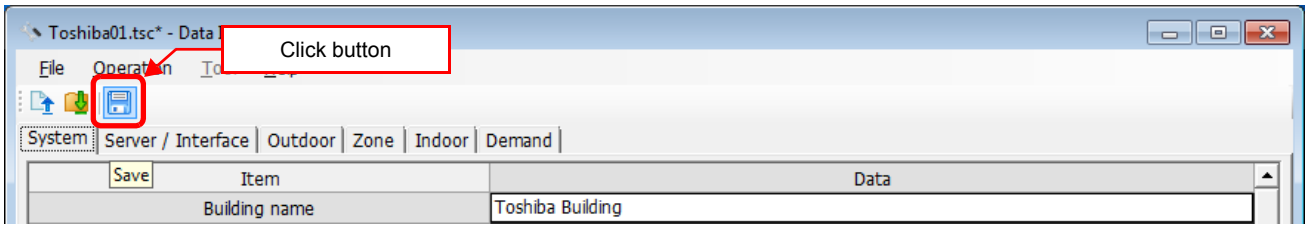


Fig.343 [Save] button

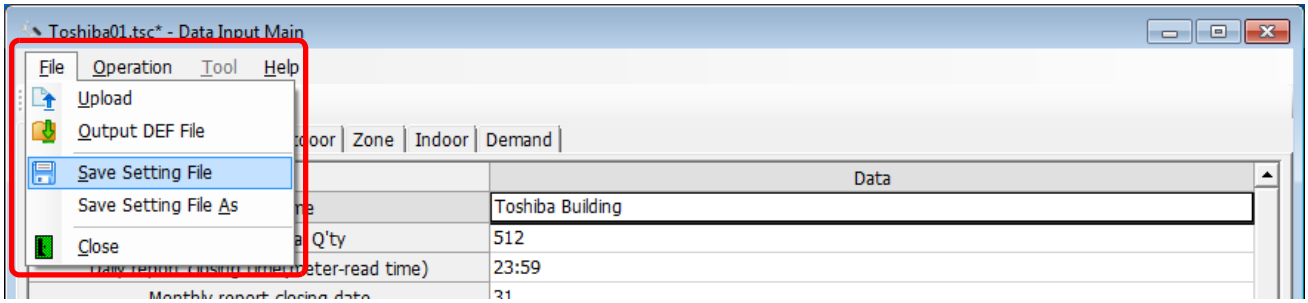


Fig.344 [Save Setting File] menu

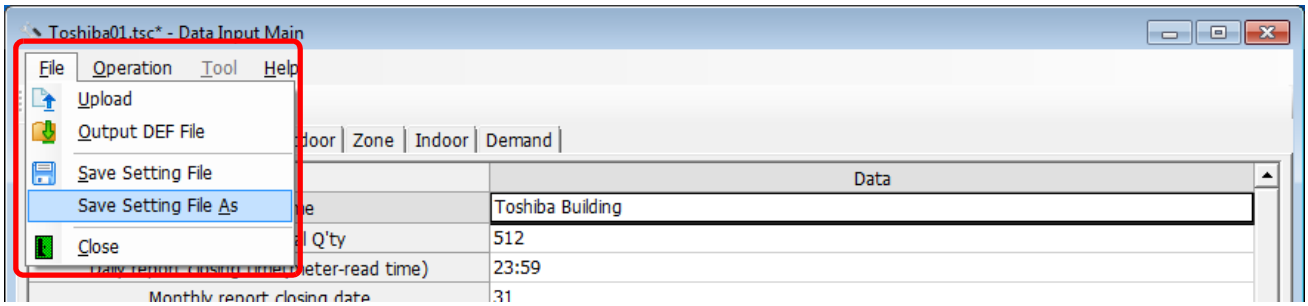


Fig.345 [Save Setting File As] menu

When a new file is created or the menu [Save Setting File As] is selected, the [Save As] screen appears. Select a destination folder and enter a file name.

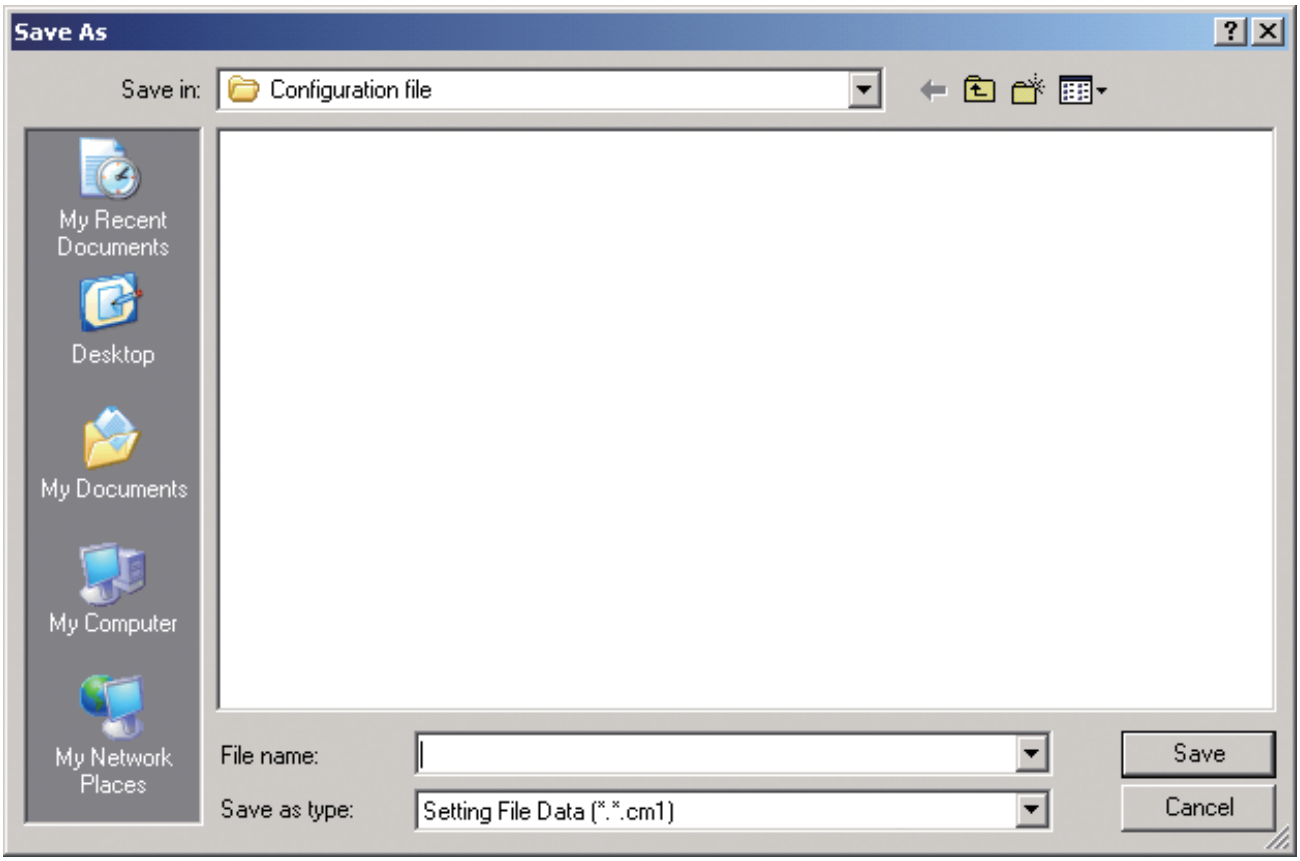


Fig.346 [Save As] screen

When the data is to be saved to an existing file, the overwrite confirmation dialog box appears. Click the OK button to overwrite the file. To cancel saving and return to the data input screen, click the Cancel button.

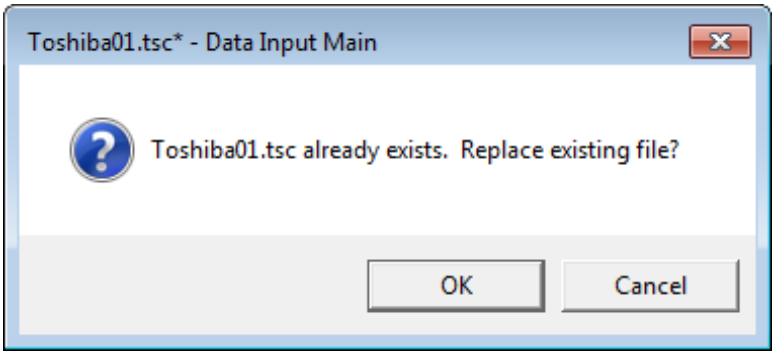


Fig.347 Overwrite confirmation dialog box

EN

■ Outputting a DEF File

Click the [Output File] button, or select the [File] menu then [Output DEF File].

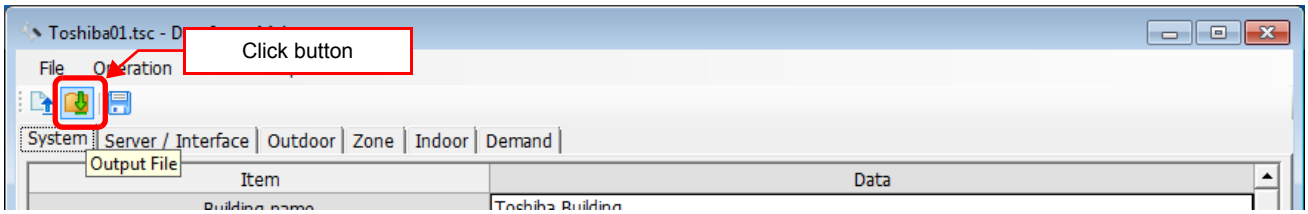


Fig.348 [Output File] button

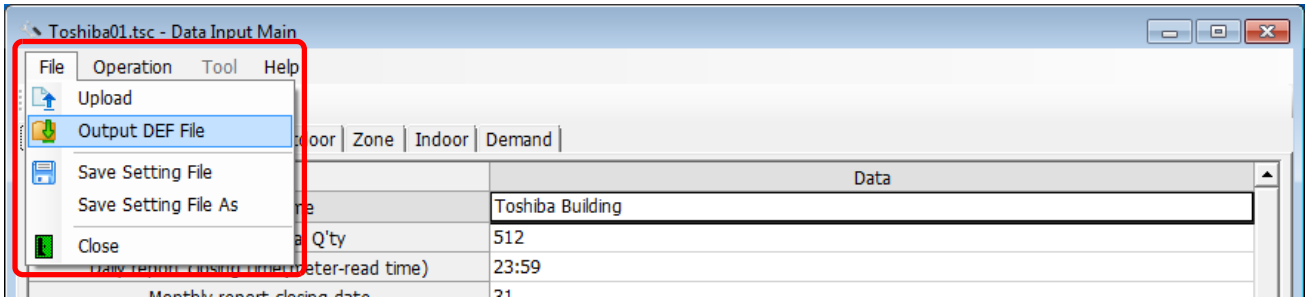


Fig.349 [Output DEF File] menu

The overwrite confirmation dialog box appears. Click the OK button to overwrite the file. To cancel saving and return to the data input screen, click the cancel button.

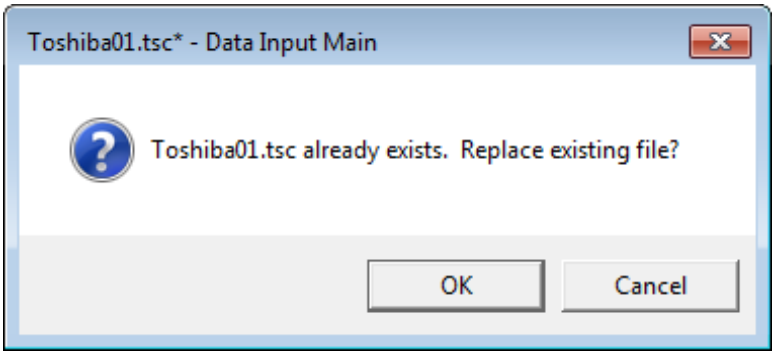


Fig.350 Overwrite confirmation dialog box

The Browse For Folder screen appears. Select a destination folder to save the DEF file to.

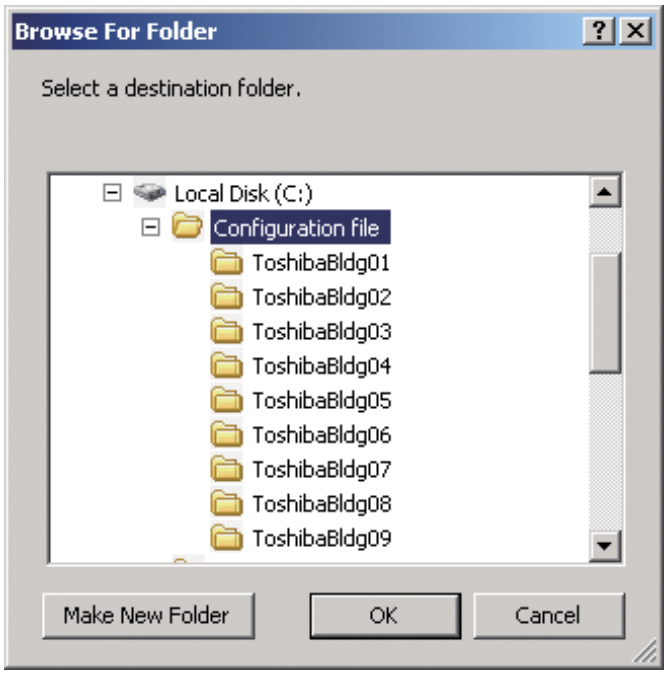


Fig.351 [Browse For Folder] screen

The entered data will be checked. If the data contains an error, the item and error message box appear. Modify the section containing the error.

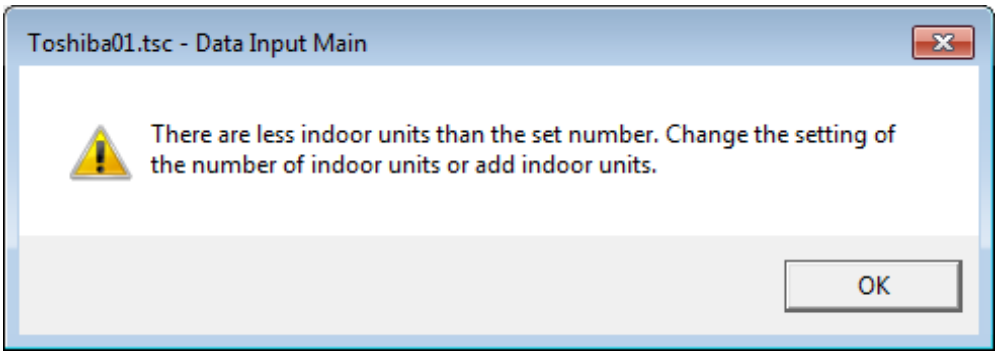


Fig.352 Example of error message box

When the DEF file output is complete, a message appears. Select the “Start up the upload screen.” checkbox and click the OK button. The upload screen appears.

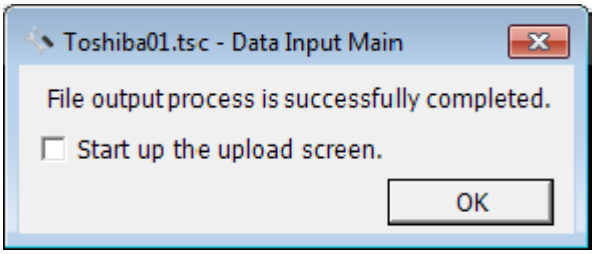


Fig.353 DEF file output complete dialog box

EN

Deleting a File History

You can delete a selected history item or all the history items.

- Delete Selected History
- Delete All

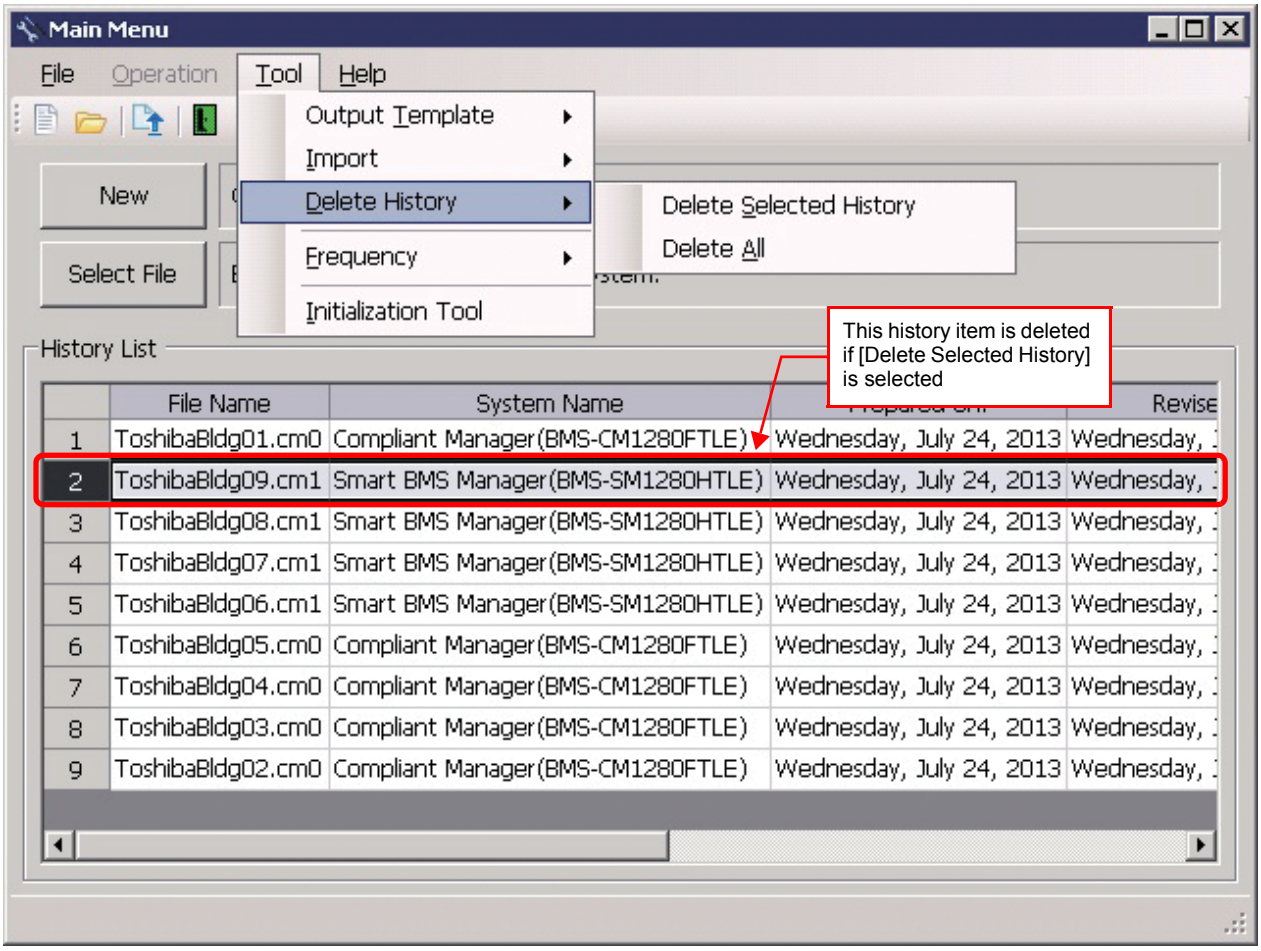


Fig.354 [Main Menu] screen (Delete History)

The deletion confirmation dialog box appears.
Click the OK button to delete. The history item will be deleted from the History List. To cancel deletion, click the Cancel button.

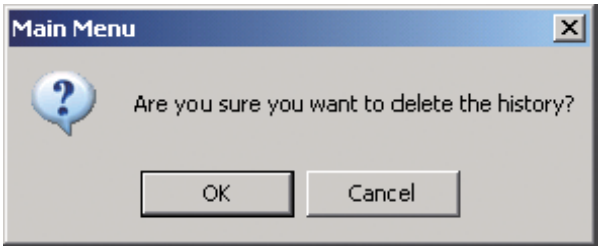


Fig.355 Deletion confirmation dialog box

■ Uploading a setting file (DEF File)

Uploading a Setting File (DEF File)

Click the [Upload] button or select the [File] menu then [Upload] on the [Main Menu] screen (Fig.1) or [Data Input Main] screen (Fig.3). The Upload Settings screen (Fig.13) appears.

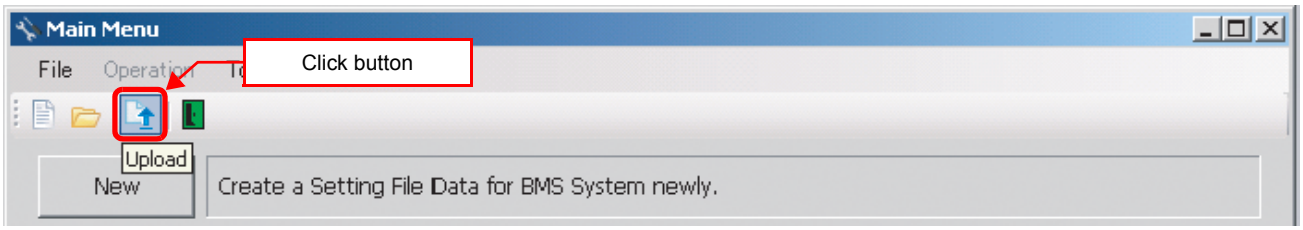


Fig.356 [Main Menu] screen (Upload button)

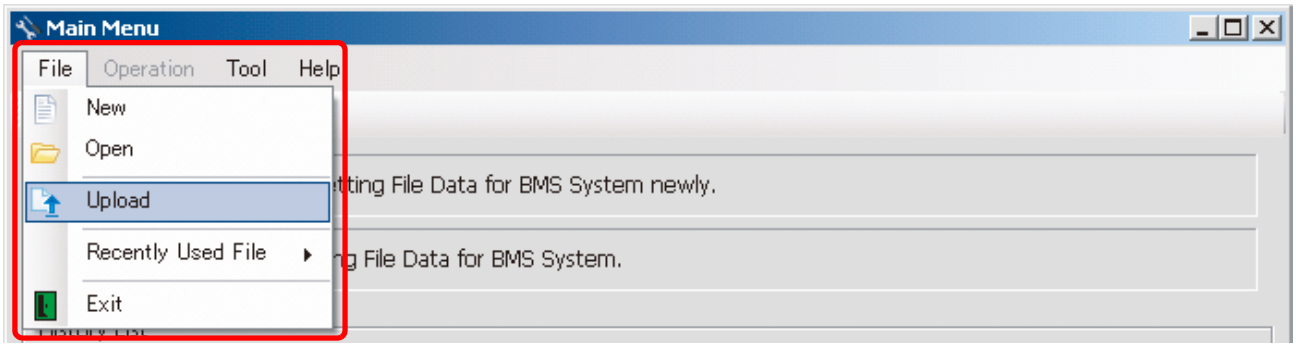


Fig.357 [Main Menu] screen (Upload menu)

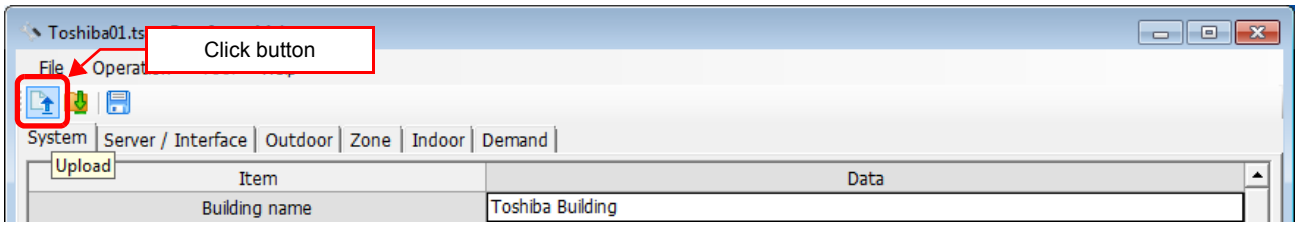


Fig.358 [Data Input Main] screen (Upload button)

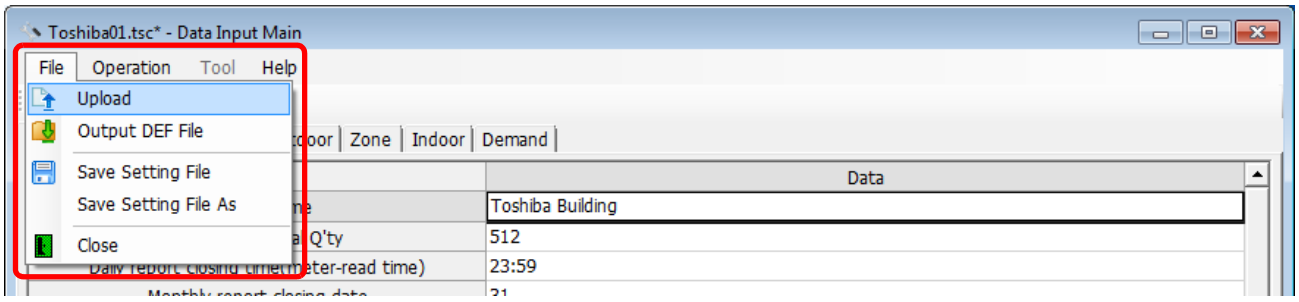


Fig.359 [Data Input Main] screen (Upload menu)

EN

Specifying Setting File Data

Specify the setting file data to upload.

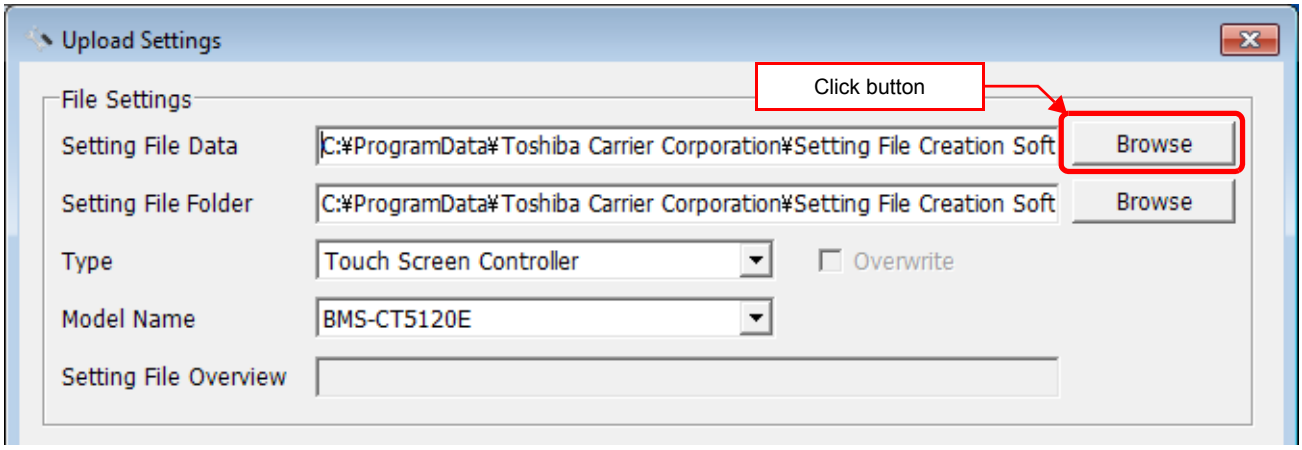


Fig.360 [Upload Settings] screen (Specify file directly)

Select a file on the Open screen.

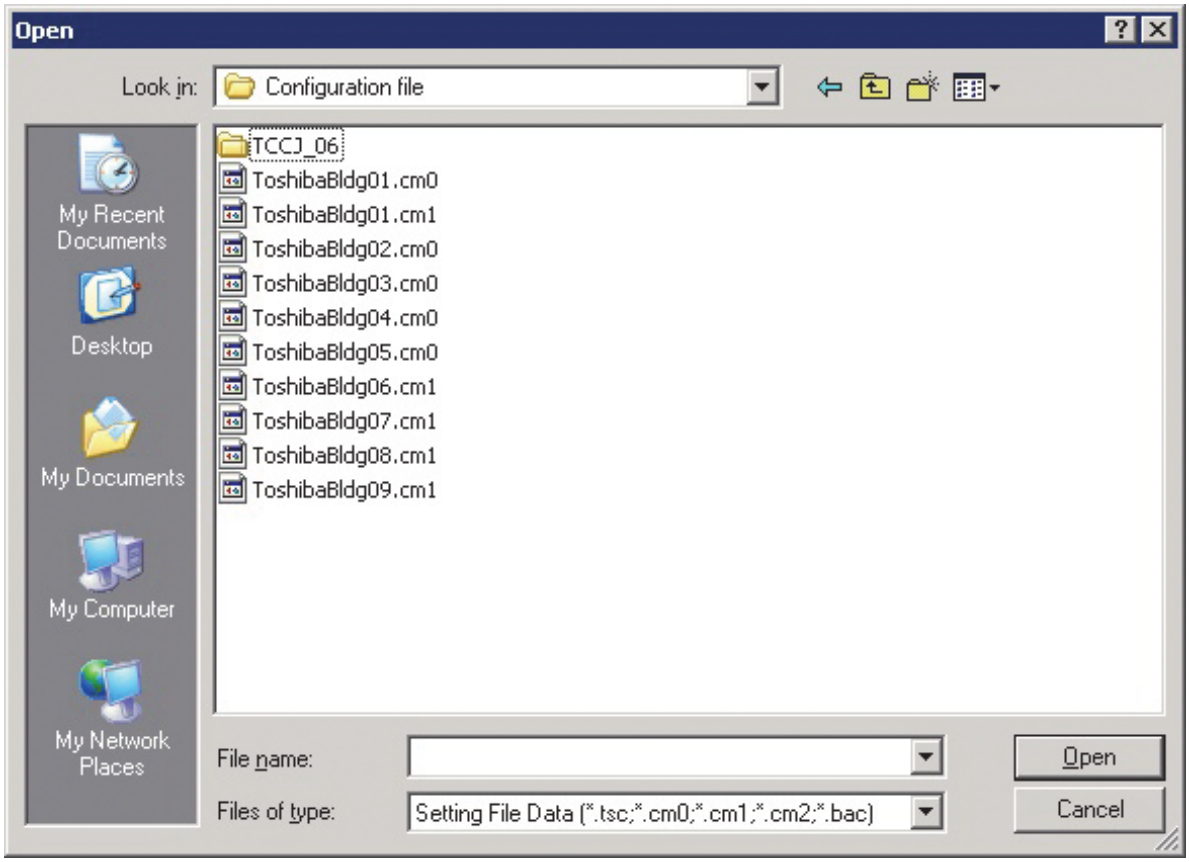


Fig.361 [Open] screen

Specifying a Setting File Folder

Select a folder.
When setting file data is specified, the folder is automatically selected depending on the setting.

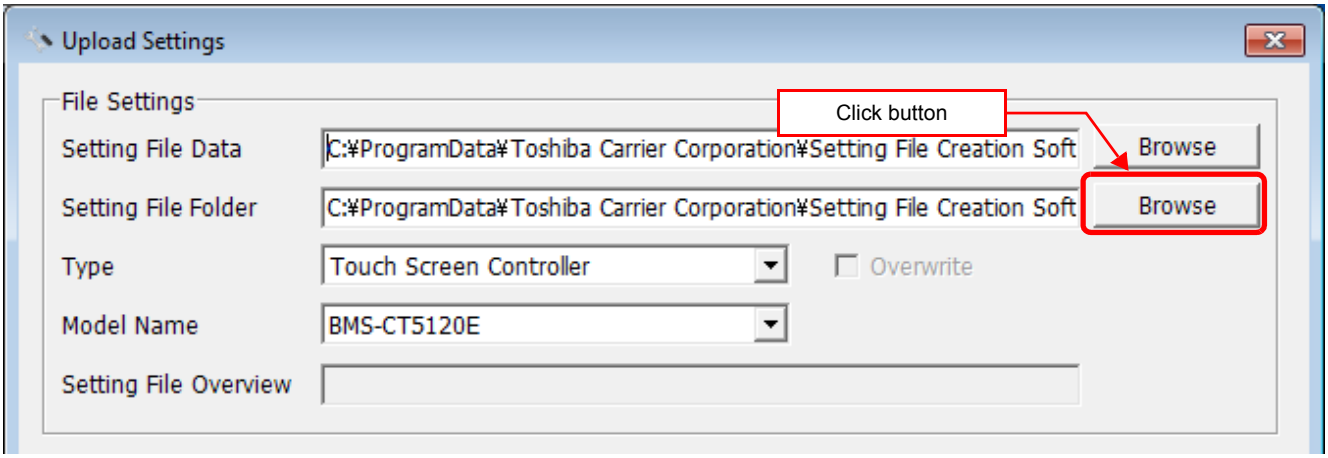


Fig.362 [Upload Settings] screen (Specify folder directly)

Select a folder containing the setting file on the Browse For Folder screen.

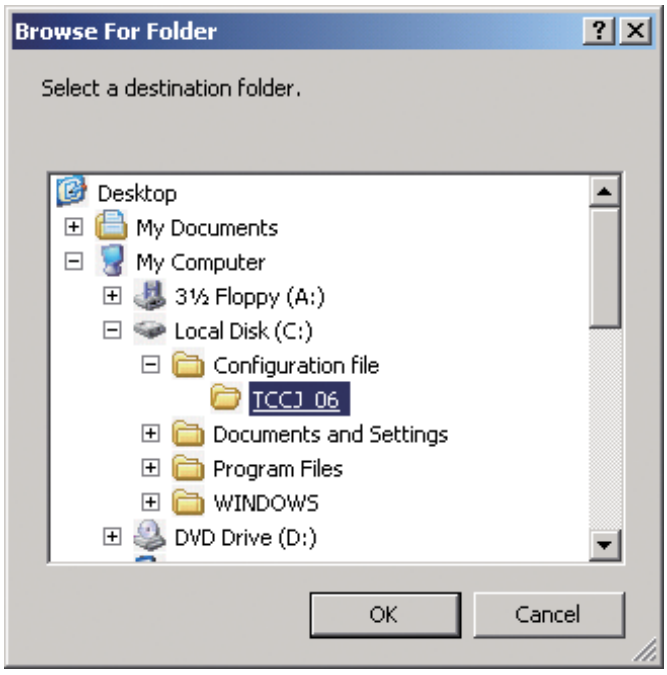


Fig.363 [Browse For Folder] screen

EN

Specifying a Target System

Select a destination system to upload the file to.
When setting file data is specified, the system is automatically selected depending on the settings.

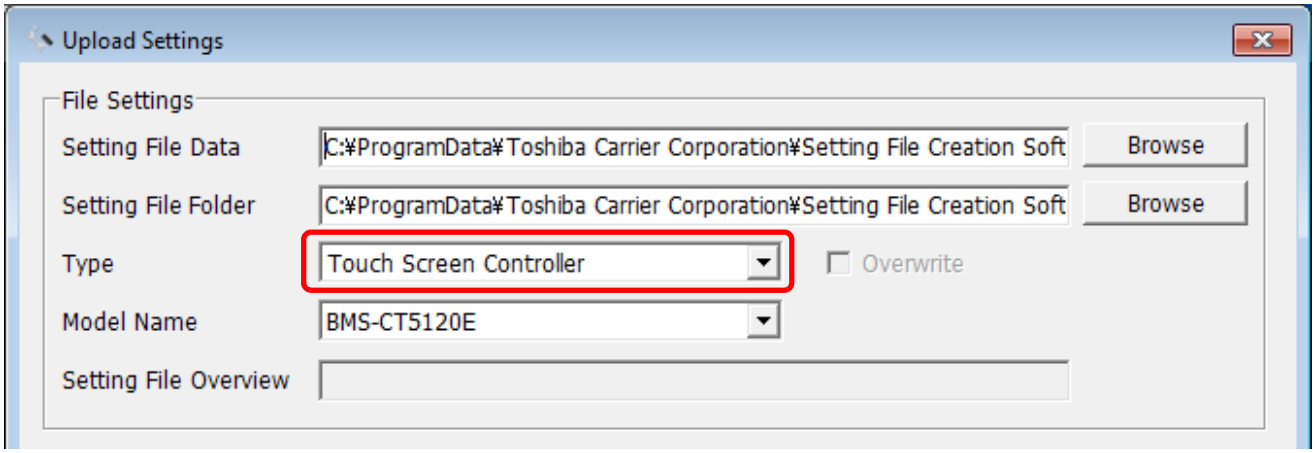


Fig.364 [Upload Settings] screen (Target System)

Specifying an IP Address

Specify the IP address of the destination system.
When setting file data is specified, the address automatically appears.

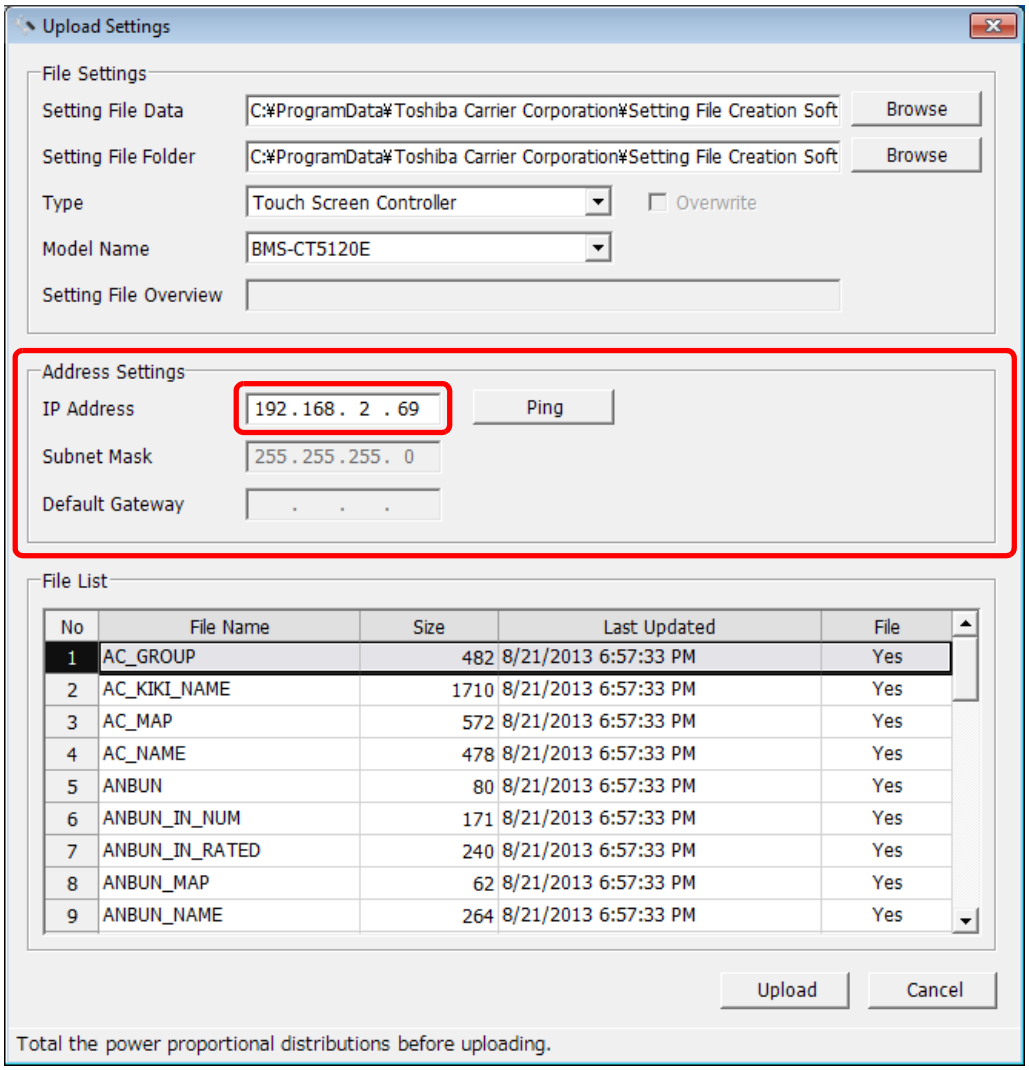


Fig.365 [Upload Settings] screen (IP Address)

The following table shows the items in the File List:

Item	Content
File Name	Name of the file to upload
Size	Size of the file to upload
Last Updated	Last updated time of a file to upload
File	Shows whether a setting file exists in the specified folder Yes: Exists No: Does not exist

Starting the Upload

After the preparation (P60 to P63) has been completed, click the Upload button. The upload starts.

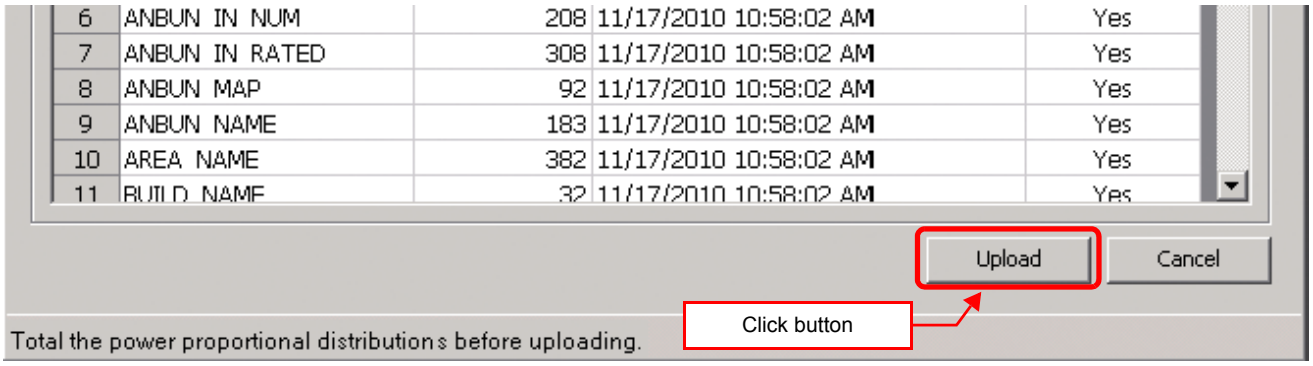


Fig.366 [Upload Settings] screen (Upload button)

The progress bar is displayed during the upload.

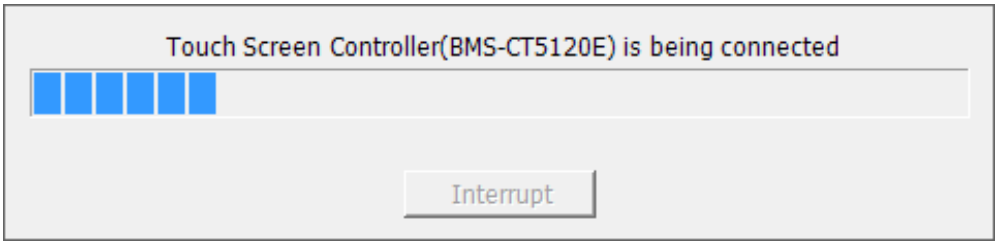


Fig.367 Progress bar

⚠ CAUTION

If Compliant Manager, Smart BMS Manager or Touch Screen Controller is shut down during upload, stored data may be damaged and the controller may not operate.
Do not shut down the controller during upload.

EN

■ System settings

System Tab

The following table shows the settings configured on the System tab:

Item	Content	Data type / range
Building name	Building name	Characters (Up to 100 bytes, Forbidden: ; : , #)
Indoor unit total Q'ty	Number of indoor units	1 - 512
Daily report closing time	Time when the daily report is output	0:00 – 23:59
Monthly report closing date	Date when the monthly report is output	1 - 31
Lock Linkage Mode	Lock linkage mode pattern	0: Setting No.0 1: Setting No.1 2: Setting No.2 3: Setting No.3
Energy Monitoring	Whether the energy monitoring is used	0: void 1: Valid (Distribution by capacity demand)
Stand-by power counting	Select the distribution mode of outdoor heater capacity	1: Proportional sharing on indoor unit horse power codes. 2: Equal sharing on indoor units Q'ty 3: Distribution of power consumption except compressor warmer to tenants.
Select Touch Screen Display Language	Language of display	1: English 5: Espanol 6: Francais
Words in error code definition file	Language of error codes	1: English 2: Chinese (Simplified) 4: Deutsch 5: Espanol 6: Francais 7: Italiano 8: Korean 9: Portuguese 10: Dutch 11: Russian 12: Turkish 13: Greek 14: Czech 15: Croatian
Date display format	Display format of year / month / day	1: yyyy/mm/dd 2: dd/mm/yyyy 3: mm/dd/yyyy 4: yyyy.mm.dd 5: dd.mm.yyyy 6: mm.dd.yyyy 7: yyyy-mm-dd 8: dd-mm-yyyy 9: mm-dd-yyyy
Starting day of the week	Starting day of the week	1: Sunday 2: Monday
Temperature display: Interval	Unit of temperature interval	0: Unit 1°C. 1: Unit 0.5°C.
Temperature display: °C./°F.	Celsius / Fahrenheit	0: °C. 1: °F.
CONTACT Info.	Contact Information	Characters (Up to 114 byte per line, Forbidden: ; : , #)
Filter sign display mode	Filter sign display mode	1: display
Back light save count (minutes)	Back light off time	0 - 99
Summer time shift (minutes)	Correction time for summer time	1 - 180

Item	Content	Data type / range
Flap Setting (group control)	Synchronism of parent and child unit's flap setting	0: Void 1: Valid
Memory refresh	Regularly reboot for memory leak prevention	0: Void 1: Valid

The following table shows the operations of Lock Linkage Mode:

Setting	Lock (OFF > ON)	Unlock (ON > OFF)
0: Setting No.0	Stop	No effect
1: Setting No.1	Stop	Release “Run – Stop” switch prohibition
2: Setting No.2	Stop + Prohibit “Run – Stop” switch	Release “Run – Stop” switch prohibition
3: Setting No.3	Stop	Run

Server Setting Tab

The following table shows the settings configured on the Server Setting tab:

Item	Content	Data type / range
IP Address	IP address of the Web server	Numeric value
Subnet Mask	Subnet mask of the Web server	Numeric value
Default Gateway	Gateway of the Web server	Numeric value
TCS-Net Relay Interface Q'ty	Number of TCS-Net Relay Interface	1 - 12
Digital I/O Relay Interface Q'ty	Number of digital I/O interfaces	0 - 8
Energy Monitoring Relay Interface Q'ty	Number of energy monitoring interfaces	0 - 8

Interface Address Tab

The following table shows the settings configured on the Interface Address tab:

Item	Content	Data type / range
TCS-Net Relay Interface		
Address Data	Interface number	1 - 12
Energy Monitoring Relay Interface		
Address Data	Interface number	1 - 8
Digital I/O Relay Interface		
Address Data	Interface number	1 - 8

EN

Interface Setting Tab

The following table shows the settings configured on the Interface Setting tab:

Item	Content	Data type / range
Energy Monitoring Relay Interface		
I/O Function	Select the I/O function	0: No setting 4: Power Meter Signal Input
Pulse constants (kWh / pulse)	Set the pulse constants	0.1 – 99.9
Digital I/O Relay Interface		
I/O Function (Smart BMS Manager only)	Select the I/O function	0: No setting 2: Door Lock Input 5: Demand
Signal logic	Select the signal logic	0: negative logic 1: positive logic

Outdoor Tab

The following table shows the settings configured on the Outdoor tab:

Item	Content	Data type / range
LINE No / I/F No	Select the line No. address	1 - 12
Line address	Refrigerant line number	1 - 32
Outdoor unit combination model name	Select the outdoor unit models	
Outdoor unit model name	Select the outdoor unit models	
Outdoor name	Enter the line name	Characters (Up to 100 bytes, Forbidden: ; : , #)
Outdoor unit address	Unit number	
Power meter input name	Select the input name for energy monitoring	No setting WHE-1-1_1 - WHE-1-8_8

Zone Tab

The following table shows the settings configured on the Zone tab:

Item	Content	Data type / range
Name	Zone name	Characters (Up to 100 bytes, Forbidden: ; : , #)
Tally Classifications	Select the tally classification	0: N/A 1: Common use area 2: Tenant Monthly report tenant only
Monthly report tenant name	Select the monthly report tenant name	None Monthly report tenant name list Tenant only

Indoor Tab

The following table shows the settings configured on the Indoor tab:

Item	Content	Data type / range
LINE No / I/F No	Select the line No. address	1 - 12
Line Address	Refrigerant line number	1 - 32
Indoor unit address	Unit number	1 - 64
Parent Indoor Unit No.	Number to distinguish parent and child	0: Parent 1 – 512: Child
Indoor unit model name	Select from indoor unit models	
R.C.group / indoor name	Enter the line name	Characters (Up to 100 bytes, Forbidden: ; : , #)
Floor name	Select the floor	No setting Floor name list
Tenant name	Select the tenant	No setting Tenant name list
Area name	Select the area	No setting Area name list
Door-lock input name	Select the input name for lock linkage	No setting DIO-1-1_IN-1 - DIO-1-8_IN-8
Power meter input name	Select the input name for energy monitoring	No setting WHE-1-1_1 - WHE-1-8_8
General purpose interface Energy Coefficient (kWh)	General purpose Interface energy coefficient	Can be entered
Air Conditioner No.	Air-conditioner number	1 - 512

Demand Tab

The following table shows the settings configured on the Demand tab:

Item	Content	Data type / range
Indoor		
Control Mode	Indoor demand alarm setting	0: Stop 1: Maximum Save 2: 50% Save 10: Thermo Off (No Delay Cancel) 11: Thermo Off (10-sec Delay) 12: Thermo Off (20-sec Delay) 13: Thermo Off (30-sec Delay) 14: Thermo Off (60-sec Delay) 20: FAN

Item	Content	Data type / range
Outdoor		
Control Mode	Outdoor demand alarm setting	0 80 60 90 70

Set Tree Name Screen

The following table shows the settings configured on the Set Tree Name screen:

Item	Content	Data type / range
Zone 1 name	Zone name - Floor	Characters (Up to 30 bytes, Forbidden: ; : , #)
Zone 2 name	Zone name - Tenant	Characters (Up to 30 bytes, Forbidden: ; : , #)
Zone 3 name	Zone name - Area	Characters (Up to 30 bytes, Forbidden: ; : , #)

■ Initializing the Icon Display file

The Icon Display data is saved to Touch Screen Controller (BMS-CT5120UL) itself. The Icon Display file initialization function has been added.
Perform the following procedure to initialize the Icon Display file.

1 **Specify an IP address.**

2 **Select [Touch Screen Controller (BMS-CT5120UL)].**

3 **Select [Delete specific data].**

4 **Select [Icon Display].**

5 **Specify a backup folder. (Fig.368)**
A backup folder can be specified before initializing a setting file. If you do not specify a backup folder, the data will be backed up to “C:\Documents and Settings\All Users\Application Data\Toshiba Carrier Corporation\Initialization Tool\backup” in Windows XP, or “C:\Program Data\Toshiba Carrier Corporation\Initialization Tool\backup” in Windows Vista/7. This folder is a hidden folder. To show the folder, you need to change the “Folder Options” settings.

6 **Use the PING command to check the connection to the target system.**

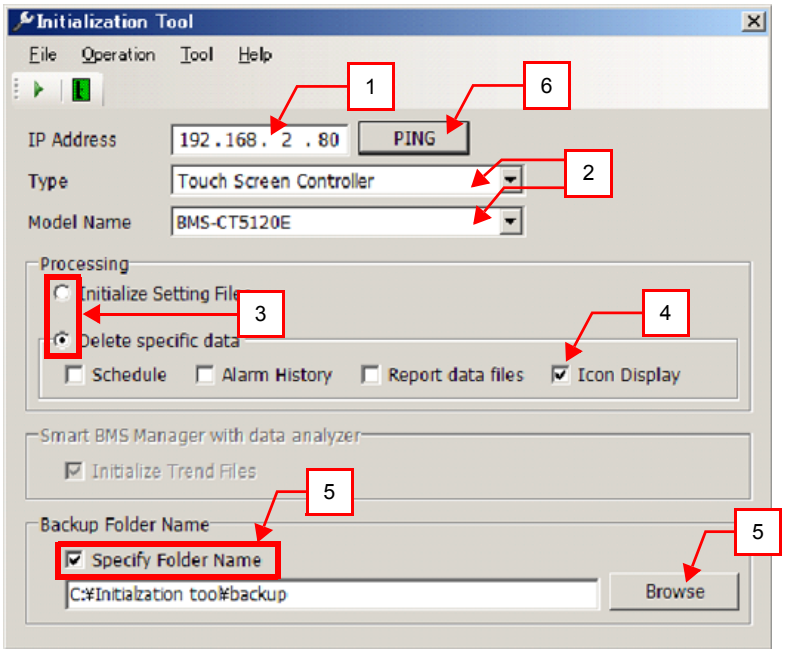


Fig.368 [Initialization Tool] screen

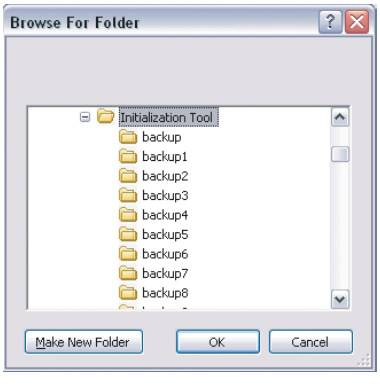


Fig.369 [Browse For Folder] screen

EN

7 **Click the [Execute] button, or select the [Operation] menu then [Execute].**

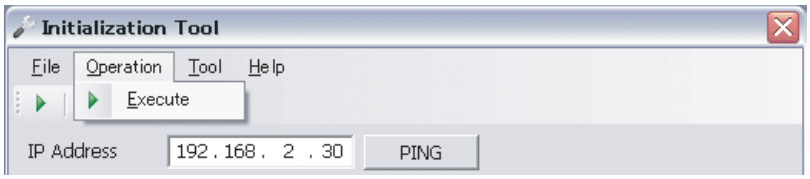


Fig.370 [Initialization Tool] screen (Execute button / Execute menu)

8 **Read the displayed warning message, and select the [Understand these warning messages and then perform the processing] checkbox.**

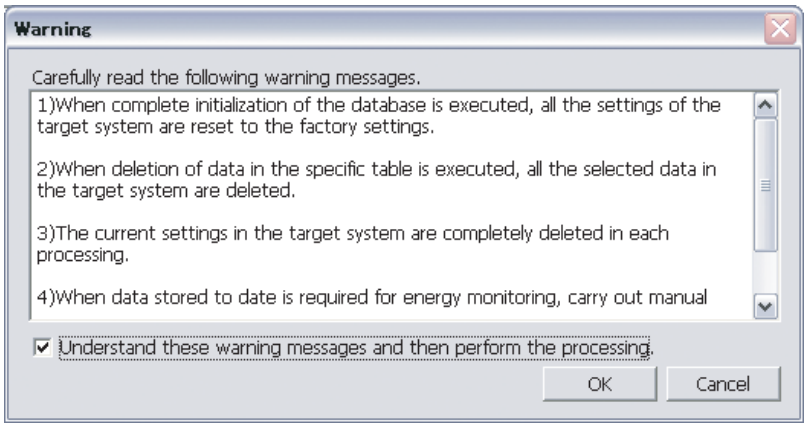


Fig.371 [Warning] screen

9 **Click the [OK] button.**
The initialization starts, and the progress bar appears.

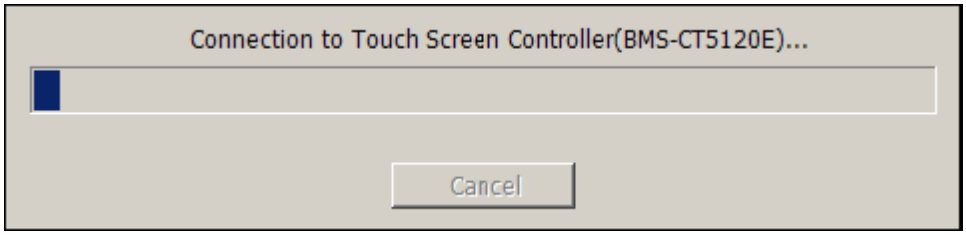


Fig.372 Progress bar

■ Upgrading function

This function upgrades the Touch Screen Controller (BMS-CT5120UL).

■ Upgrade data

Upgrade data's file name is fixed "**versionup.zip**". Don't change upgrade data's file name.

NOTE

An upgraded function cannot be downgraded. The upgrade is performed by connecting the target device to a computer containing this software via a network. If the network is disconnected or the power is turned off during the upgrade, the system may malfunction.

■ Upgrading

Perform the following procedure to upgrade:

1 **Specify an IP address.**

2 **Select the target system.**

3 **Specify a backup folder. (Fig.373)**
A backup folder can be specified before initializing a setting file. If you do not specify a backup folder, the data will be backed up to "C:\Documents and Settings\All Users\Application Data\Toshiba Carrier Corporation\Initialization Tool\backup" in Windows XP, or "C:\Program Data\Toshiba Carrier Corporation\Initialization Tool\backup" in Windows Vista/7. This folder is a hidden folder. To show the folder, you need to change the "Folder Options" settings.

4 **Use the PING command to check the connection to the target system.**

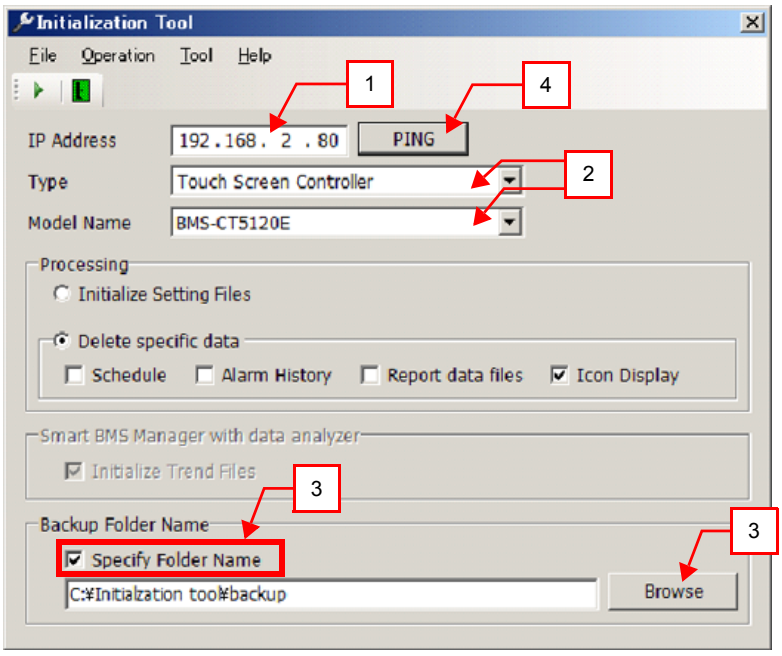


Fig.373 [Initialization Tool] screen

EN

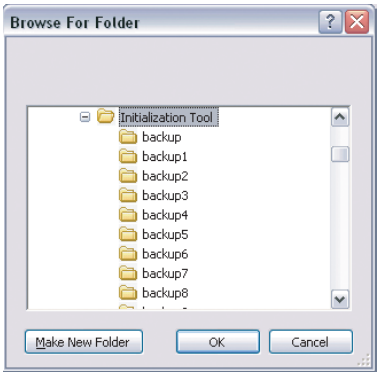


Fig.374 [Browse For Folder] screen

5 **Select the [Tool] menu then [Upgrade].**

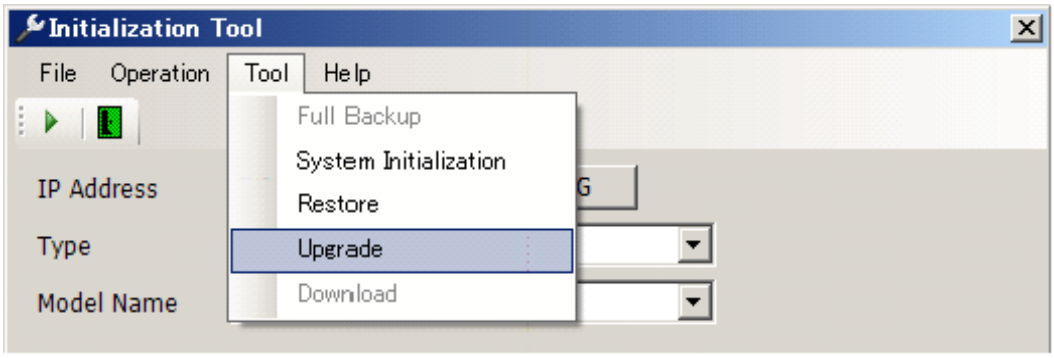


Fig.375 [Initialization Tool] screen (Upgrade menu)

6 **The Check Destination Folder screen appears.**

7 **Click the [Browse] button, and select the folder containing the Upgrade data on the displayed Browse For Folder screen (Fig.374).**

8 **Click the [OK] button.**

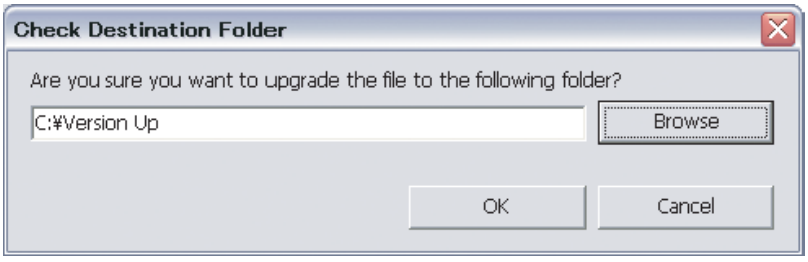


Fig.376 [Check Destination Folder] screen

9 **Read the displayed warning message, and select the [Understand these warning messages and then perform the processing] checkbox.**

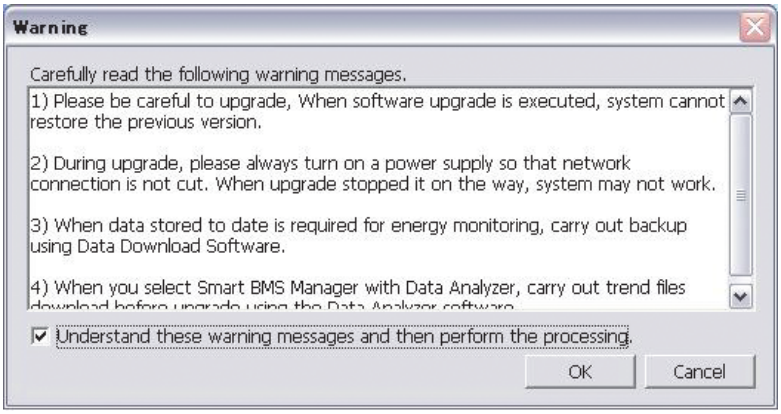


Fig.377 [Warning] screen

10 **Click the [OK] button.**
The Upgrade starts, and the progress bar appears.

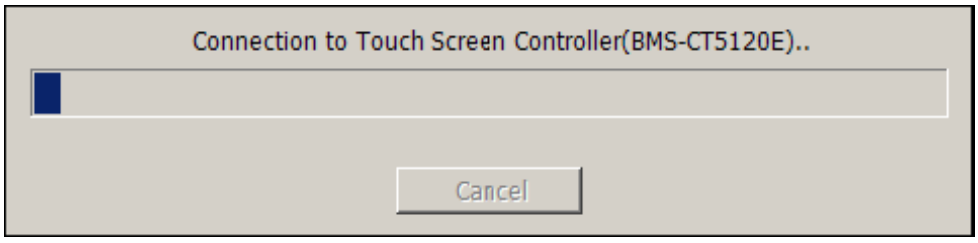


Fig.378 Progress bar

11 **If the upgrade is completed successfully, the completion dialog box appears.**
The version of the upgraded software appears.

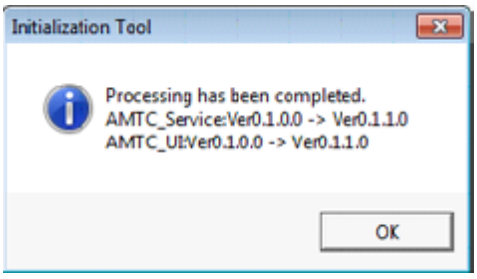


Fig.379 Completion dialog box

■ Full data backup function

All the data of Touch Screen Controller (BMS-CT5120UL) can be backed up by [Tool] > [Full Backup].

■ Setting File Data Download

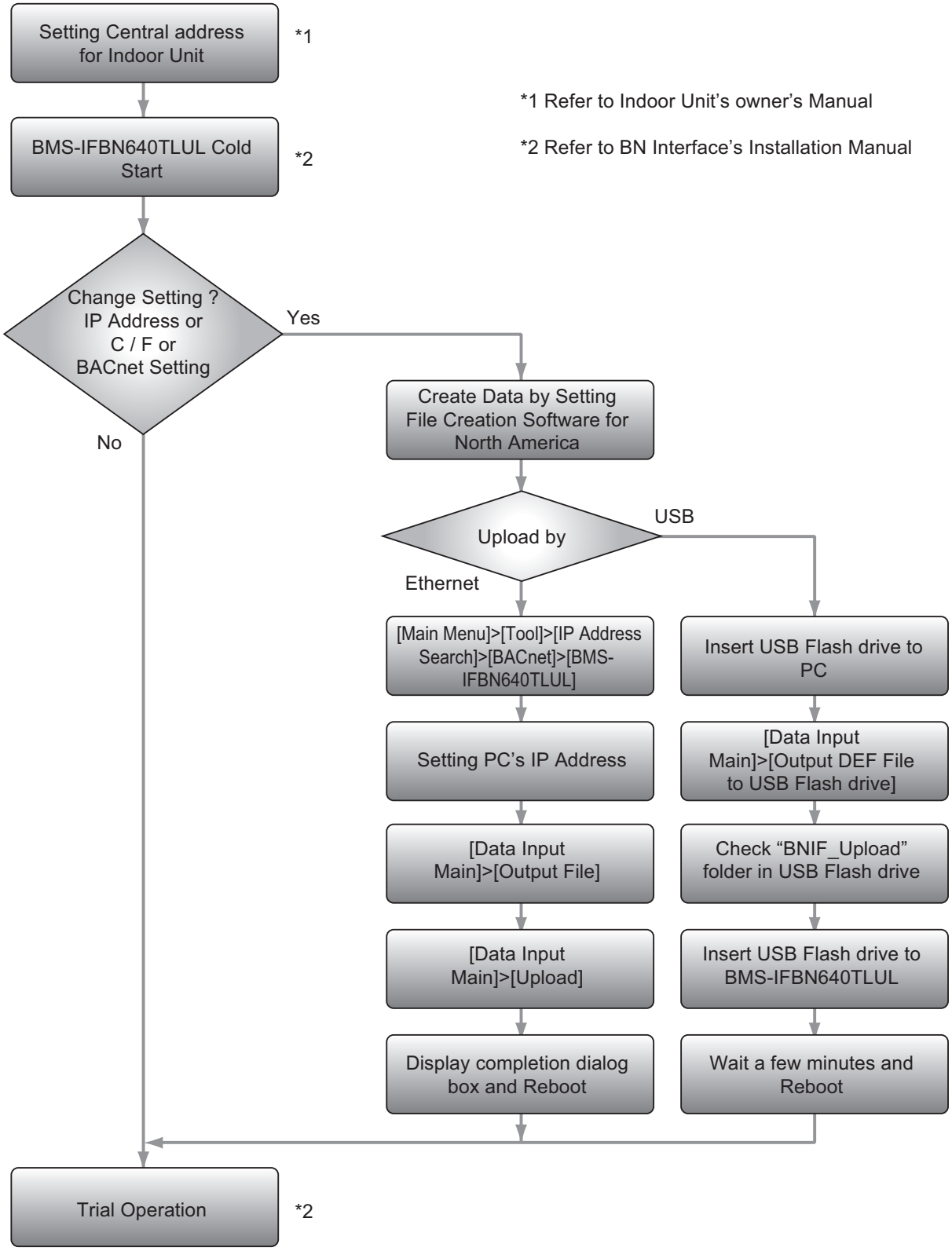
Setting File Creation Software Data (BMS-CT5120UL, BMS-SM1280HTLUL, BMS-STBN10UL) can be downloaded by [File] > [Setting File Data Download].

EN

Appendix D BN Interface (BMS-IFBN640TLUL)

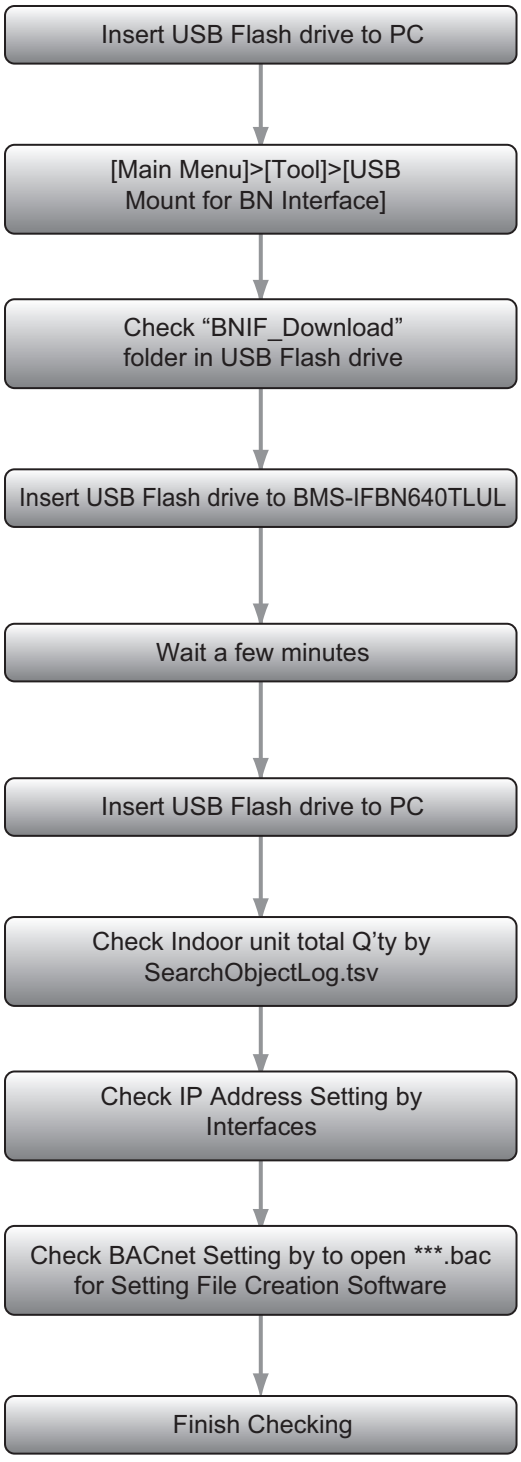
■ Workflow of the Setting File Upload

The following flowchart shows the process of uploading Setting File with Setting File Creation Software for North America:



■ Workflow of the Setting check

The following flowchart shows the process of checking setting file with Setting File Creation Software for North America:



■ Using the Setting File Creation Software for North America

Starting / Exiting the Setting File Creation Software for North America

Starting the Setting File Creation Software for North America

Use the desktop icon or Windows menu to start the Setting File Creation Software for North America.

1 **Start the Setting File Creation Software for North America.**

- Desktop icon

Double-click the desktop icon.

Fig.380 Setting File Creation Software for North America desktop icon

- Windows menu

Select [Start] > [All Programs] > [Toshiba] > [Setting File Creation Software for North America].

2 **The startup screen appears.**

The startup screen appears.

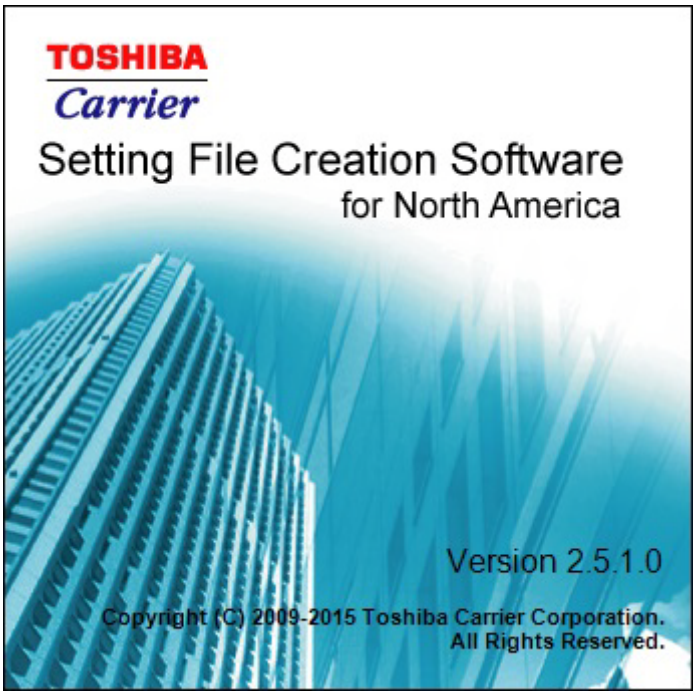


Fig.381 Startup screen

3 **Setting File Creation Software for North America Startup Complete.**

The startup screen (Fig.381) disappears, and the Main Menu screen (Fig.2) appears. The Setting File Creation Software for North America startup is now complete, and the software can be operated.

Exiting the Setting File Creation Software for North America

Click the [Close] button, the Exit button, or select the [File] menu then [Exit].

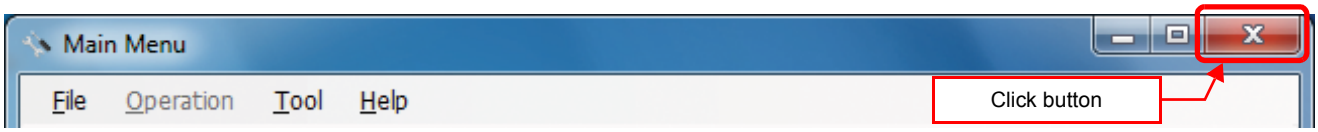


Fig.382 [Main Menu] screen (Close button)

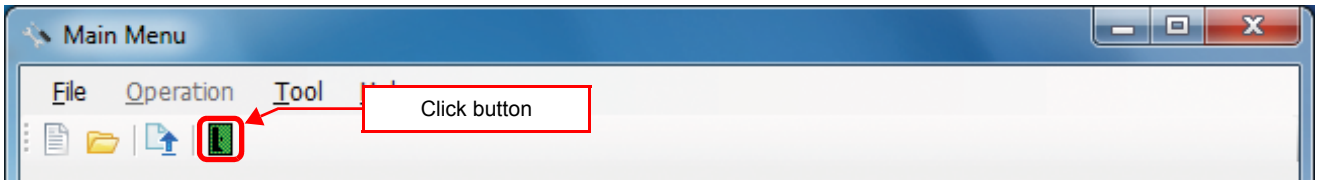


Fig.383 [Main Menu] screen (Exit button)

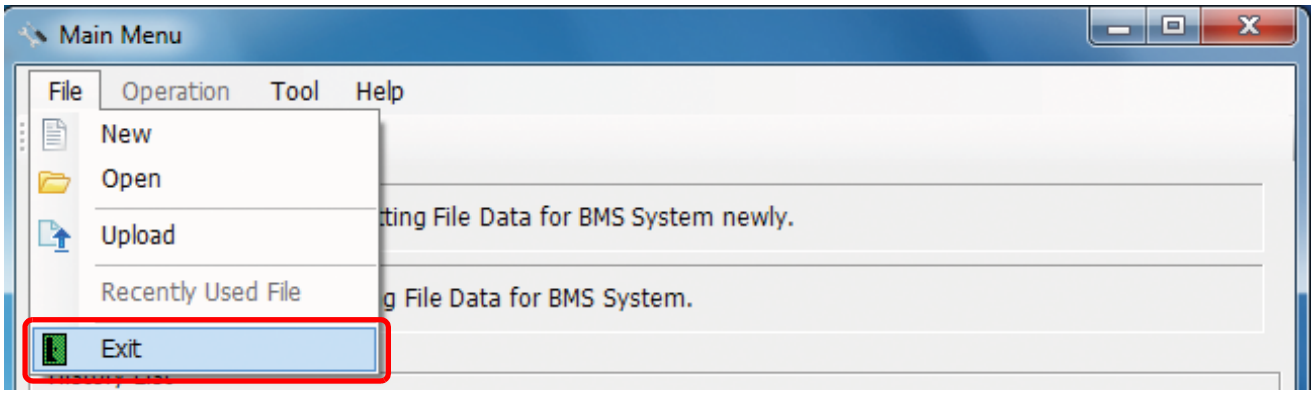


Fig.384 [Main Menu] screen (Exit menu)

The exit confirmation dialog box appears.
Click [Yes] to exit, or [No] to cancel exiting.

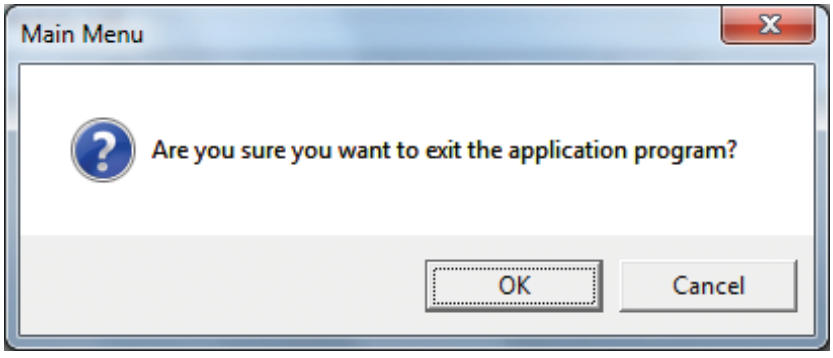


Fig.385 Exit confirmation dialog box

EN

Creating New Data

Click the [New] button, or select the [File] menu then [New]. The Select System screen (Fig.3) appears.

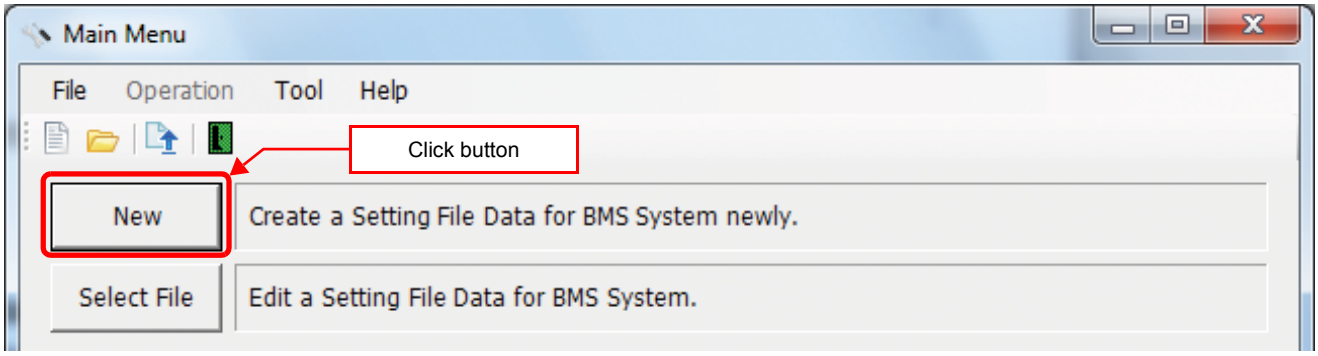


Fig.386 [Main Menu] screen (New button 1)

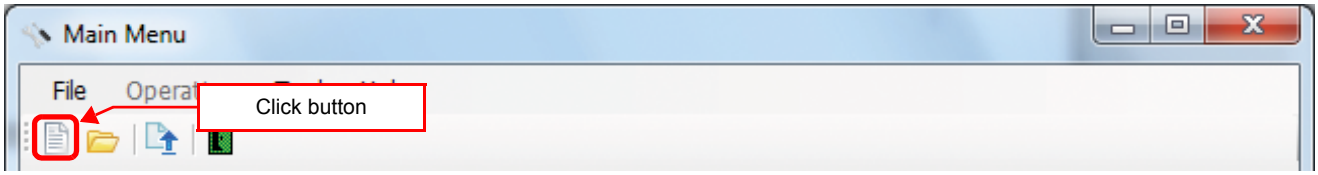


Fig.387 [Main Menu] screen (New button 2)

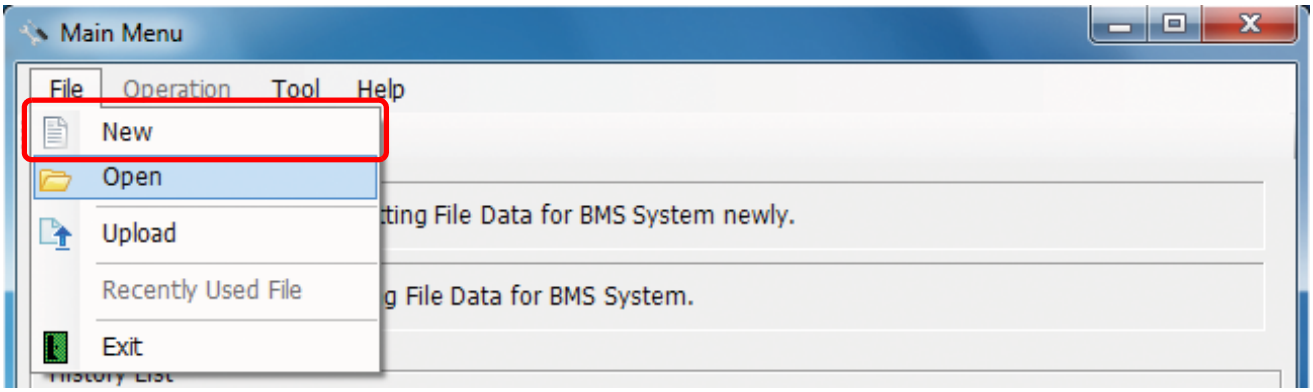


Fig.388 [Main Menu] screen (New menu)

When the Open screen has opened, select a file to edit. The system screen (Fig.4) appears.

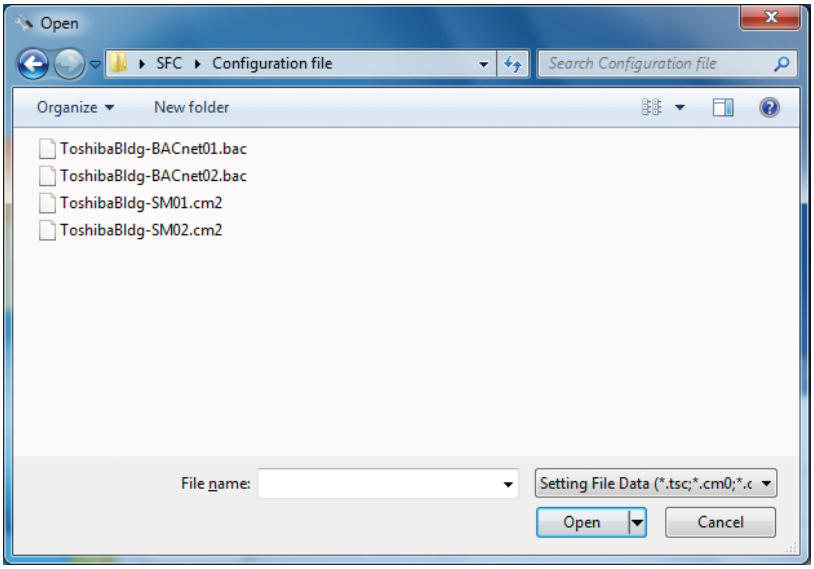


Fig.389 [Open] screen

Using a History File to Edit Data

Double-click a line in the History List, or select a file from Recently Used File. The system screen (Fig.4) appears.

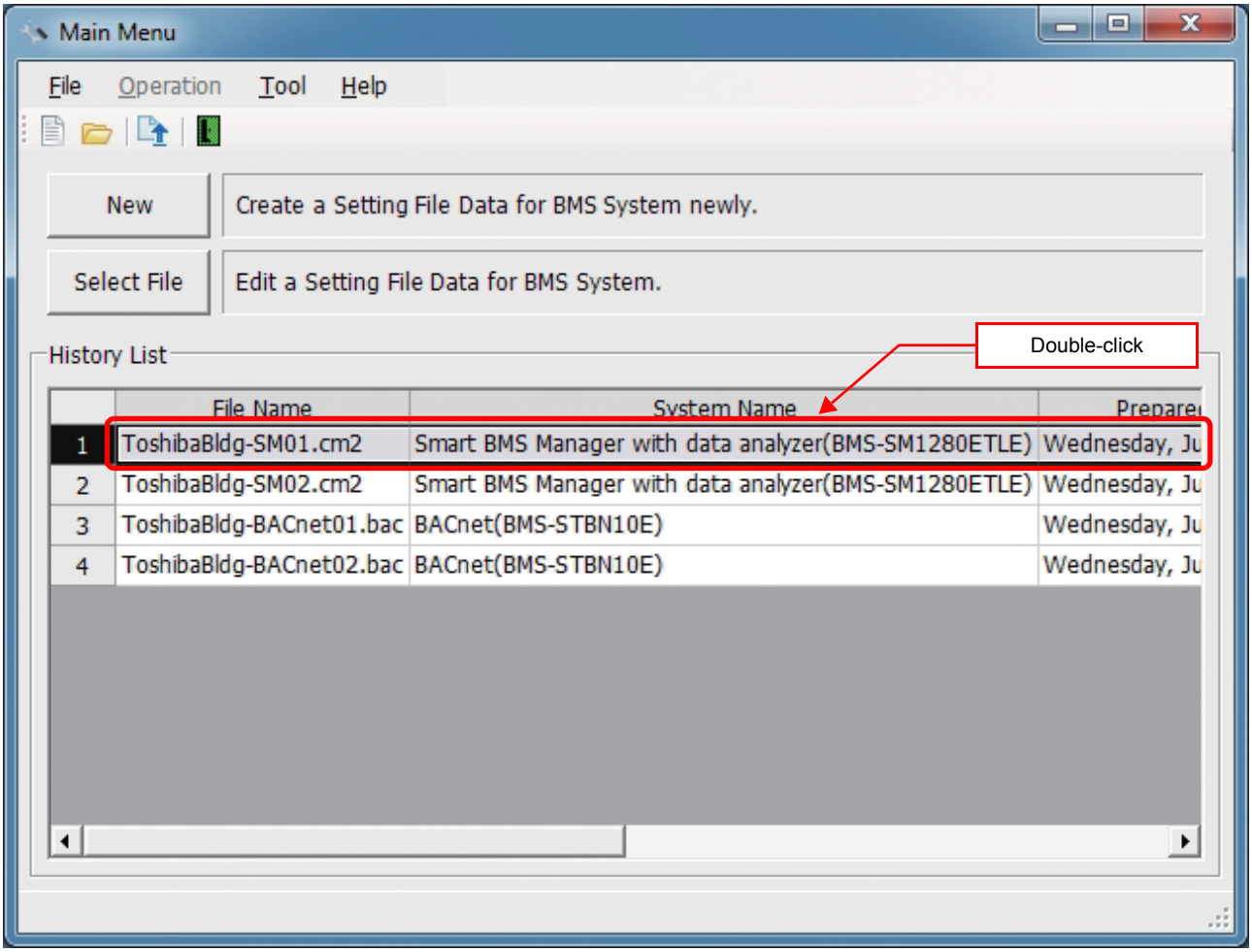


Fig.390 [Main Menu] screen (History List)

Up to 9 files are stored in Recently Used File.

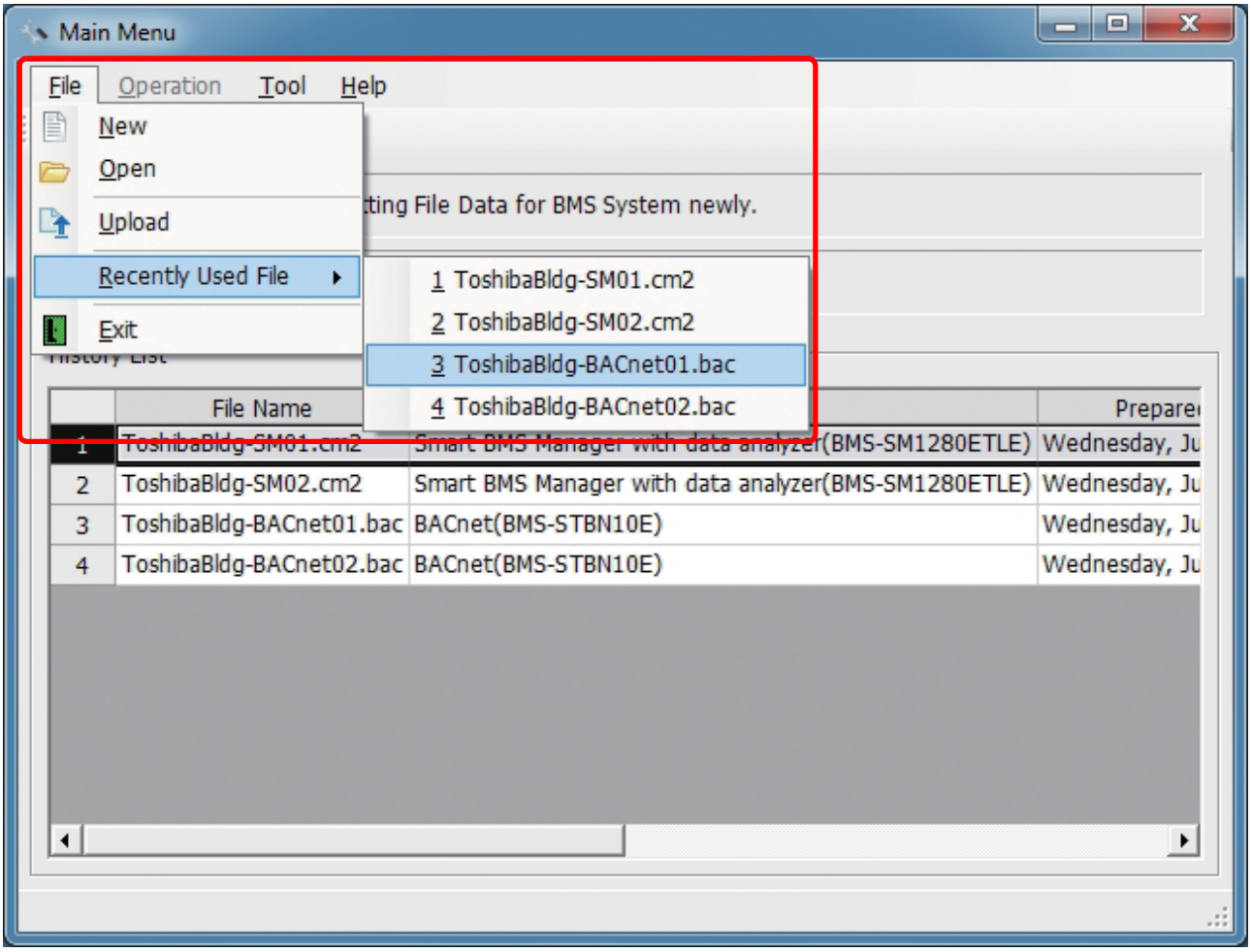


Fig.391 [Main Menu] screen (Recently Used File)

If the selected file does not exist, a warning appears.

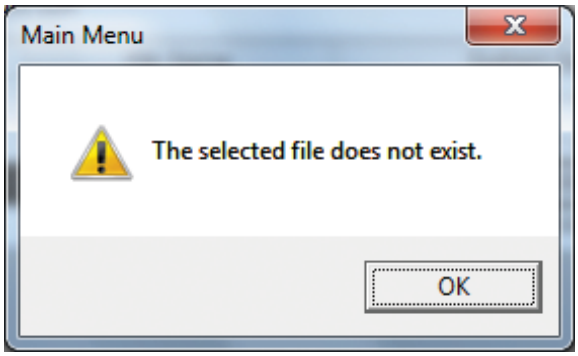


Fig.392 Warning message box

Setting Up the System

Select the [System] tab and configure the settings.

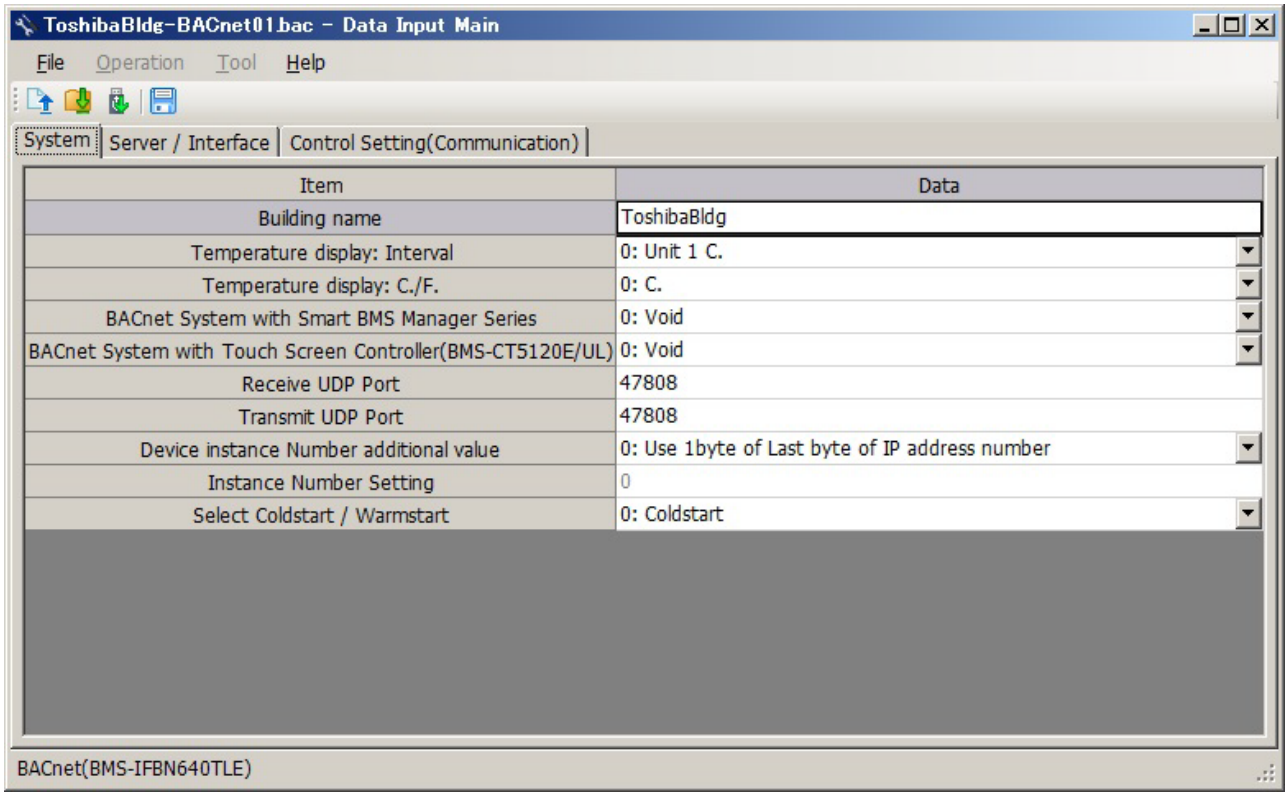


Fig.393 [System] tab

The following table shows how to enter / select data:

Item	Data type	Selection	Note
Building name	Entered by user		
Temperature display: Interval	Selected by user	Select from list	
Temperature display: C./F.	Selected by user	Select from list	
BACnet System with Smart BMS Manager Series	Selected by user	Select from list	
BACnet System with Touch Screen Controller (BMS-CT5120E/UL)	Selected by user	Select from list	
Receive UDP Port	Entered by user	Numeric value only	47808 - 47823 49152 - 65535
Transmit UDP Port	Entered by user	Numeric value only	47808 - 47823 49152 - 65535
Device instance Number additional value	Selected by user	Select from list	
Instance Number Setting	Entered by user	Numeric value only	0 - 4194303
Select Coldstart / Warmstart	Selected by user	Select from list	

Table.20 How to enter / select data

EN

Setting Up the Server

Select "Server Setting" on the "Server / Interface" tab and set the number of interfaces and the IP address of the BN Interface.
On the BACnet, when the server's IP address is uploaded it is automatically edited according to the IP address, subnet mask, and default gateway information set in this tab.

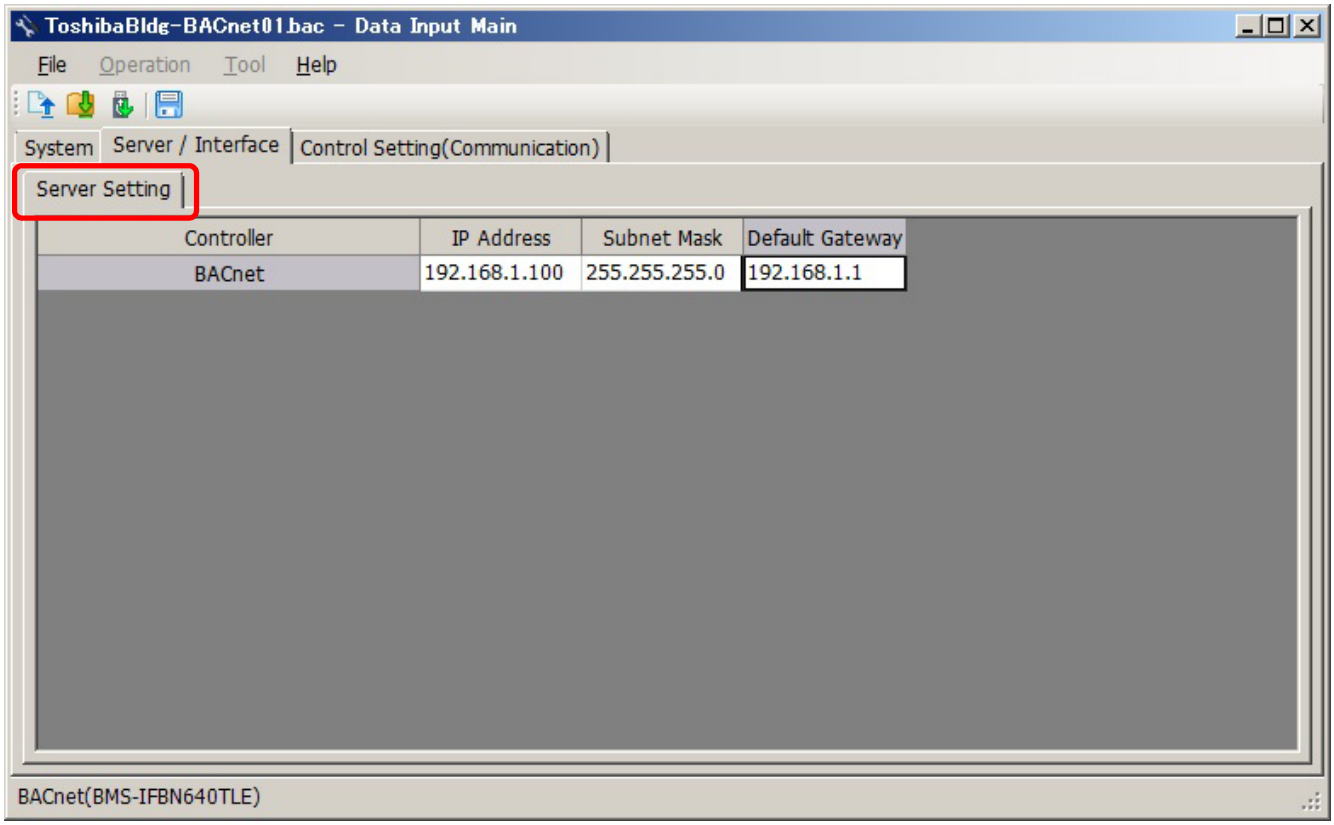


Fig.394 [Server Setting] tab

The following table shows how to enter / select data:

Item	Data type	Selection	Note
IP Address	Entered by user	Numeric value only	
Subnet Mask	Entered by user	Numeric value only	
Default Gateway	Entered by user	Numeric value only	

Table.21 How to enter / select data

Adding an RegisterForeignDevice

Select the in [RegisterForeignDevice] tab in [Control Setting (Communication)] tab, and click [Add] button. After a click, a line is added to the list. Configure the settings for BBMD (BACnet/IP Broadcast Management Device). A maximum of 10 lines can be registered.

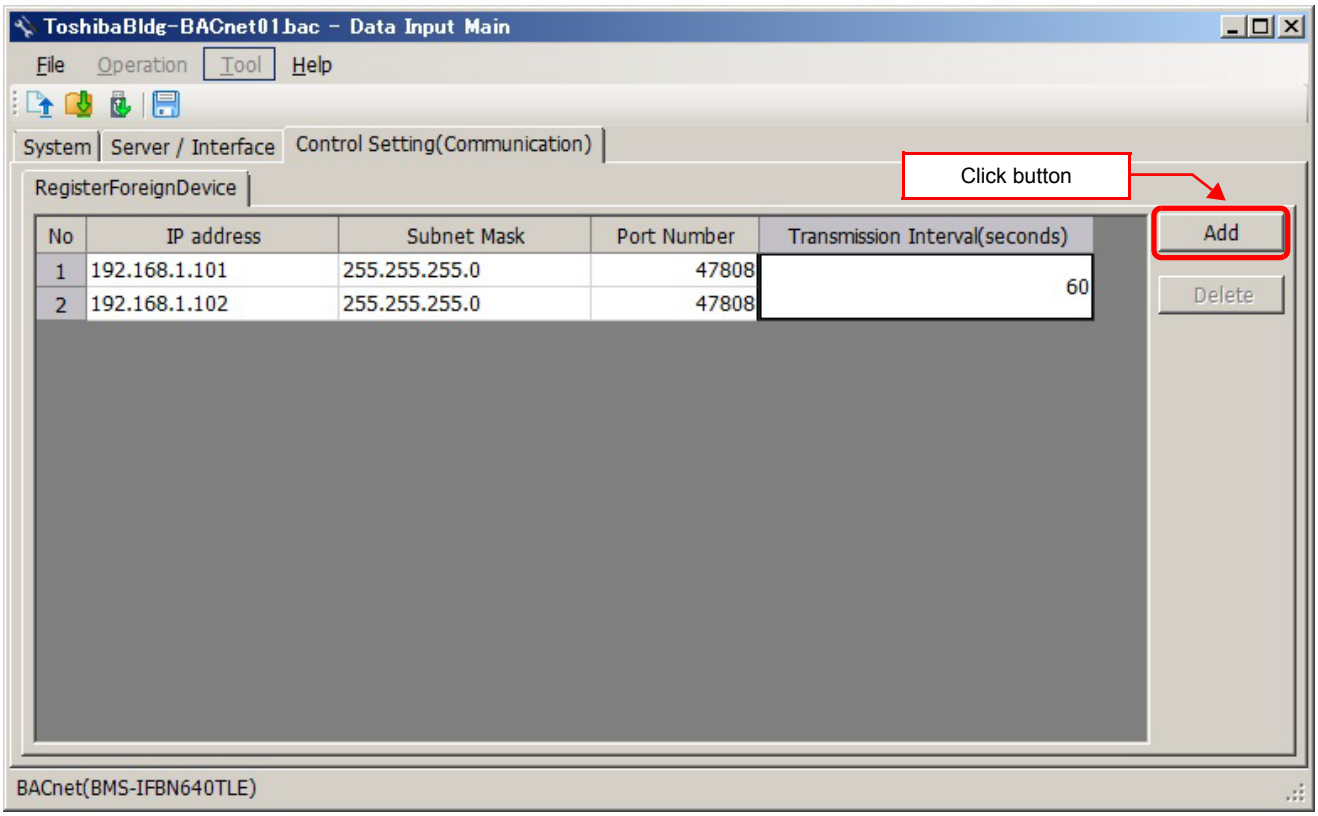


Fig.395 [RegisterForeignDevice] tab

The following table shows how to enter / select data:

Item	Data type	Selection	Note
IP address	Entered by user	Numeric value only	
Subnet Mask	Entered by user	Numeric value only	
Port Number	Entered by user	Numeric value only	
Transmission Interval (second)	Entered by user	Numeric value only	60~65535

EN

Deleting the Data of RegisterForeignDevice

Select one or more lines of Foreign BACnet Device, click the [Delete] button.

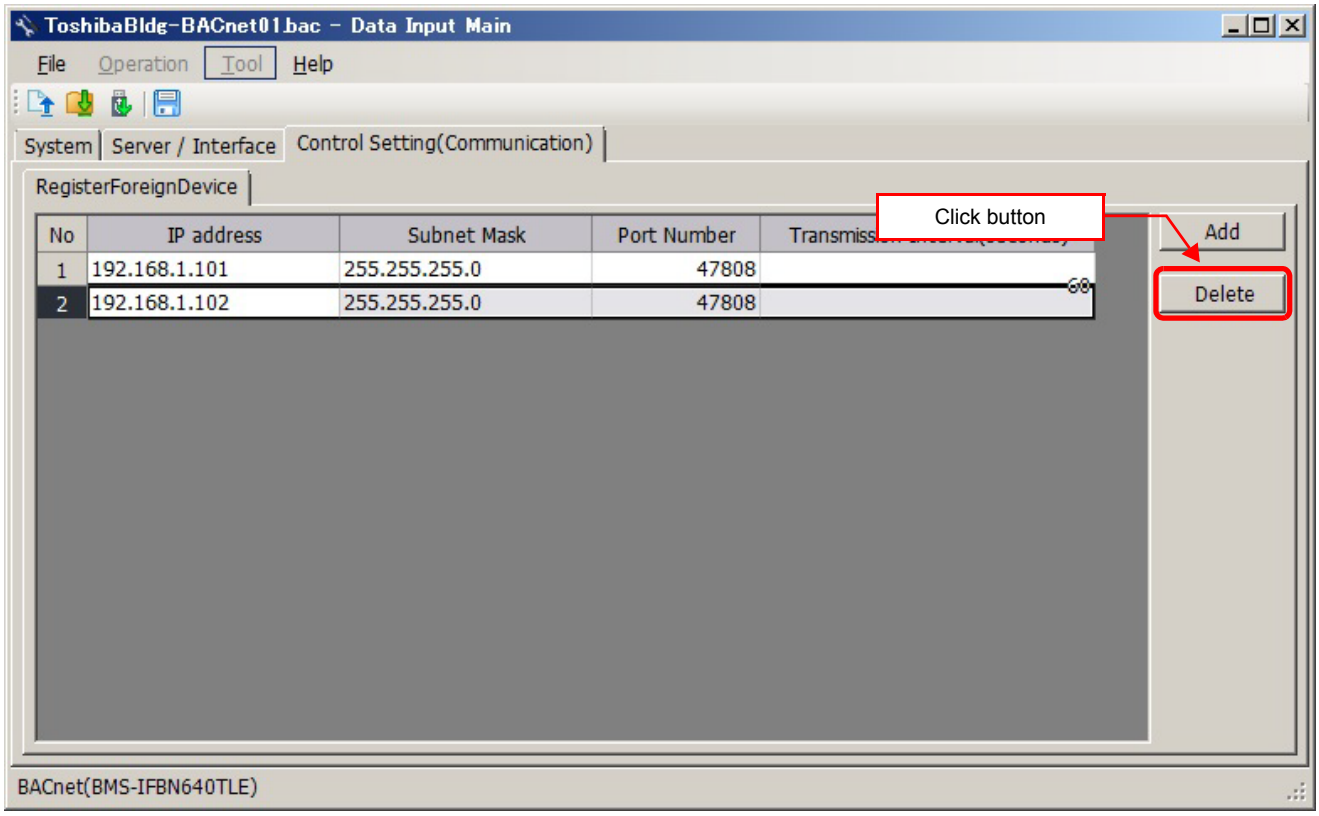


Fig.395-1 [RegisterForeignDevice] tab ([Delete] button)

The deletion confirmation dialog box appears.
Click the OK button to delete. The line will be deleted from the list. To cancel deletion, click the Cancel button.

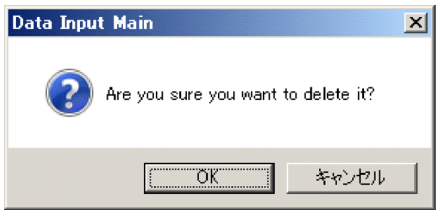


Fig.395-2 Deletion confirmation dialog box

Saving Created Data to a File

Click the [Save] button, or select the [File] menu then [Save Setting File] or [Save Setting File As].

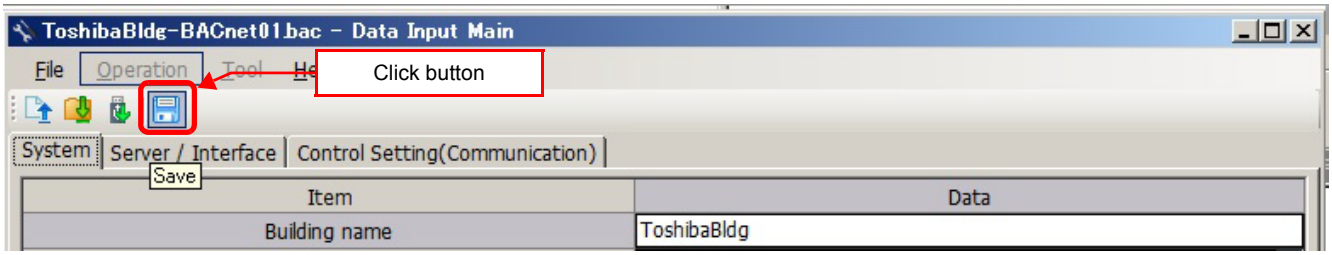


Fig.396 [Save] button

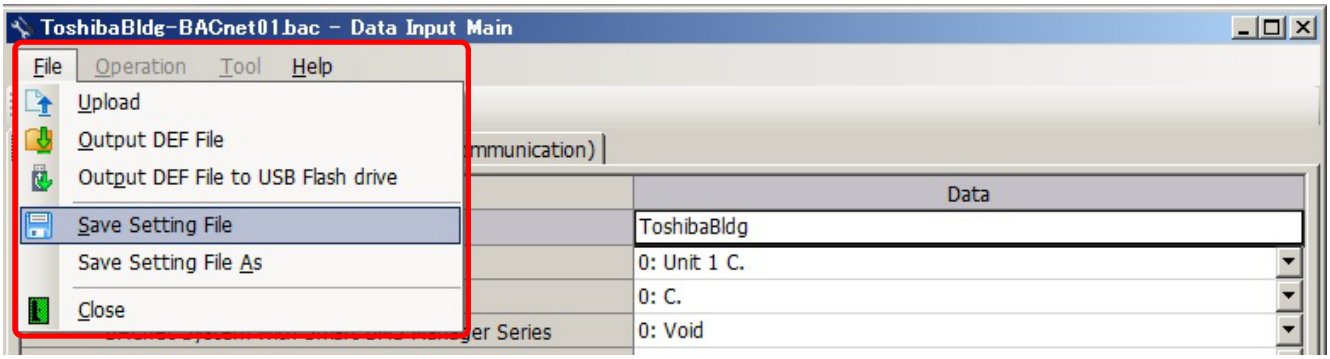


Fig.396-1 [Save Setting File] menu

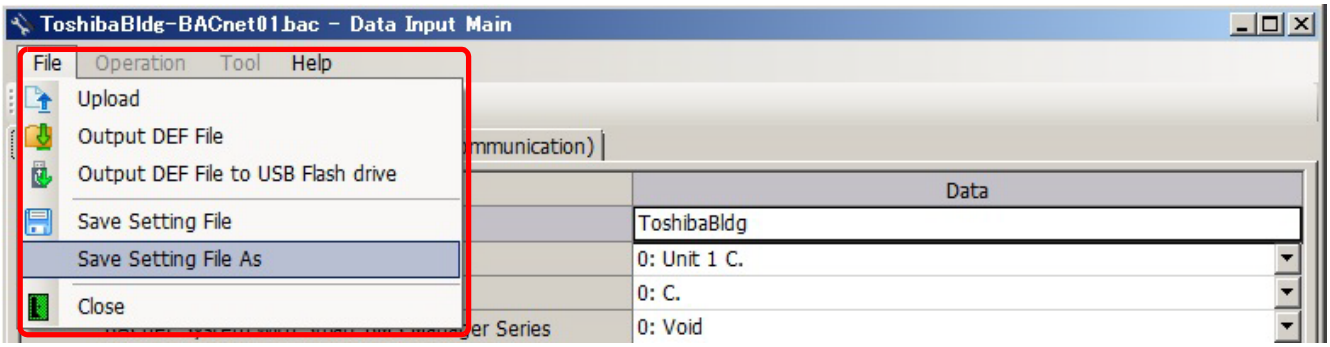


Fig.396-2 [Save Setting File As] menu

When a new file is created or the menu [Save Setting File As] is selected, the [Save As] screen appears. Select a destination folder and enter a file name.

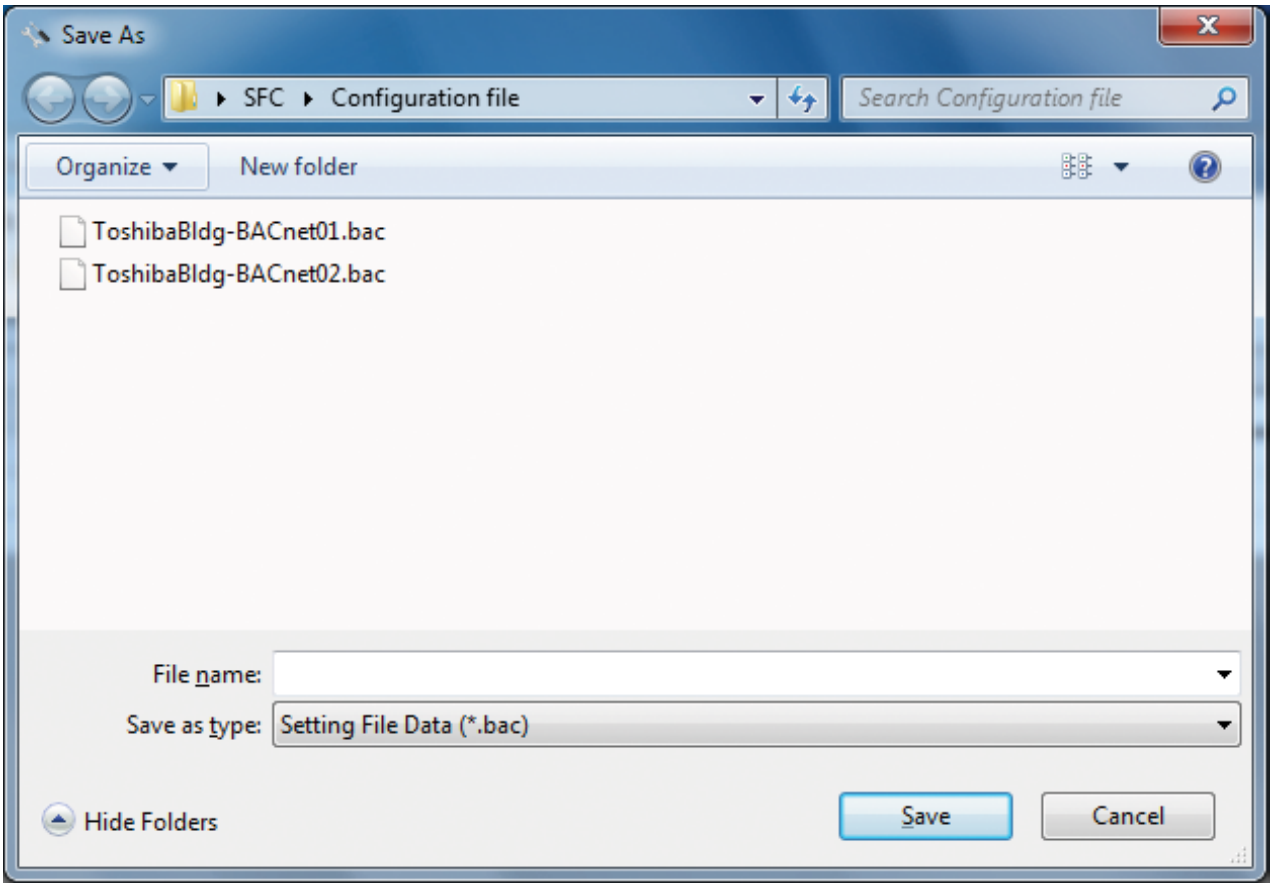


Fig.397 [Save As] screen

When the data is to be saved to an existing file, the overwrite confirmation dialog box appears. Click the OK button to overwrite the file. To cancel saving and return to the data input screen, click the Cancel button.

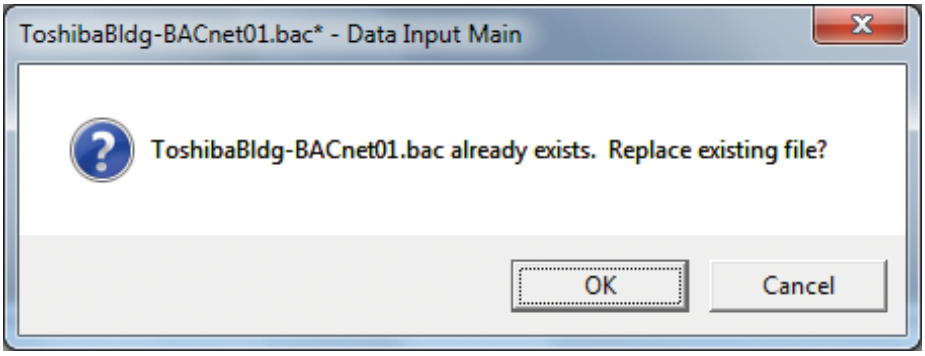


Fig.398 Overwrite confirmation dialog box

Outputting Files

Click the [Output File] button, or select the [File] menu then [Output DEF File].

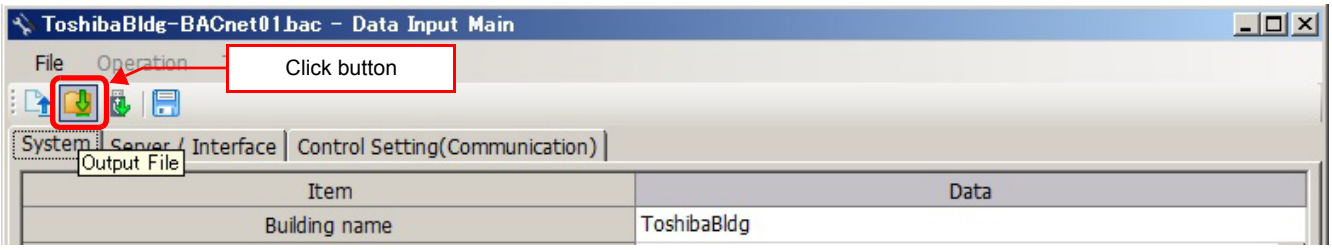


Fig.399 [Output File] button

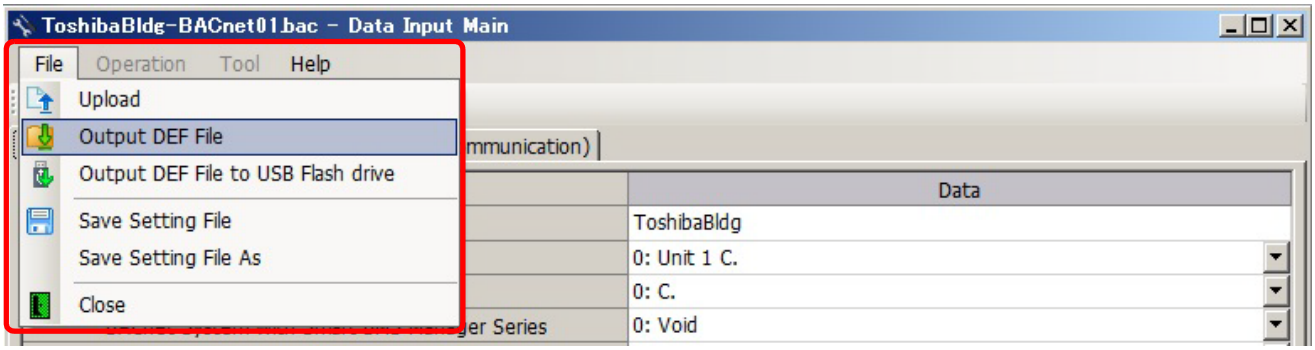


Fig.400 [Output DEF File] menu

The overwrite confirmation dialog box appears. Click the OK button to Overwrite the file. To cancel saving and return to the data input screen, click the cancel button.

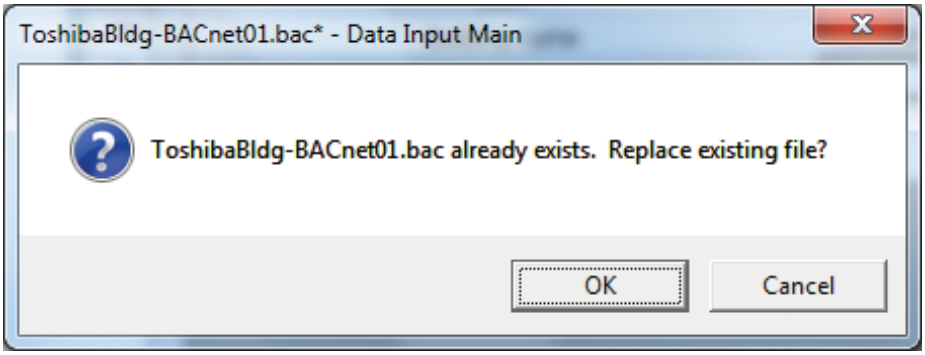


Fig.401 Overwrite confirmation dialog box

EN

The Browse For Folder screen appears. Select a destination folder to save the DEF file to.

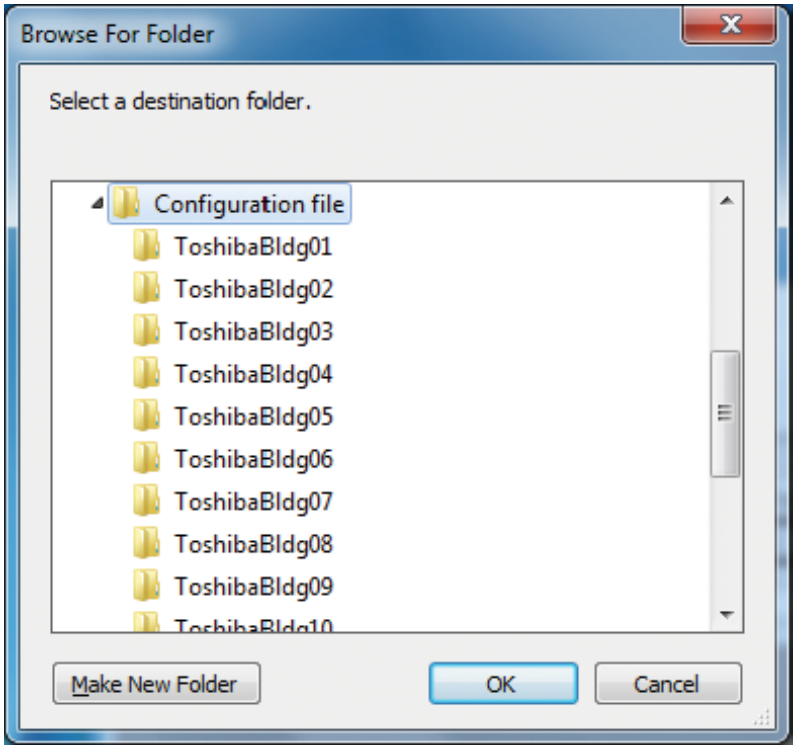


Fig.402 [Browse For Folder] screen

The entered data will be checked. If the data contains an error, the item and error message box appear. Modify the section containing the error.

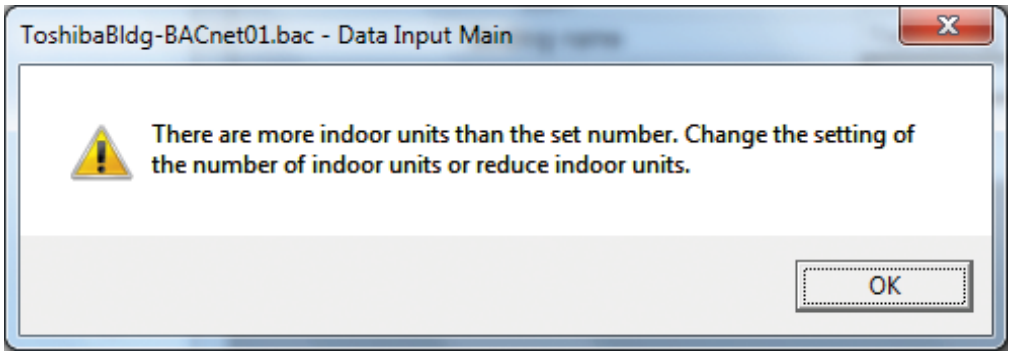


Fig.403 Example of error message box

When the DEF file output is complete, a message appears. Select the “Start up the upload screen.” checkbox and click the OK button. The upload screen appears.

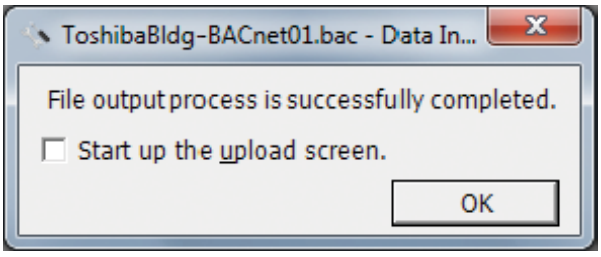


Fig.404 DEF file output complete dialog box

Deleting a File History

You can delete a selected history item or all the history items.

- Delete Selected History
- Delete All

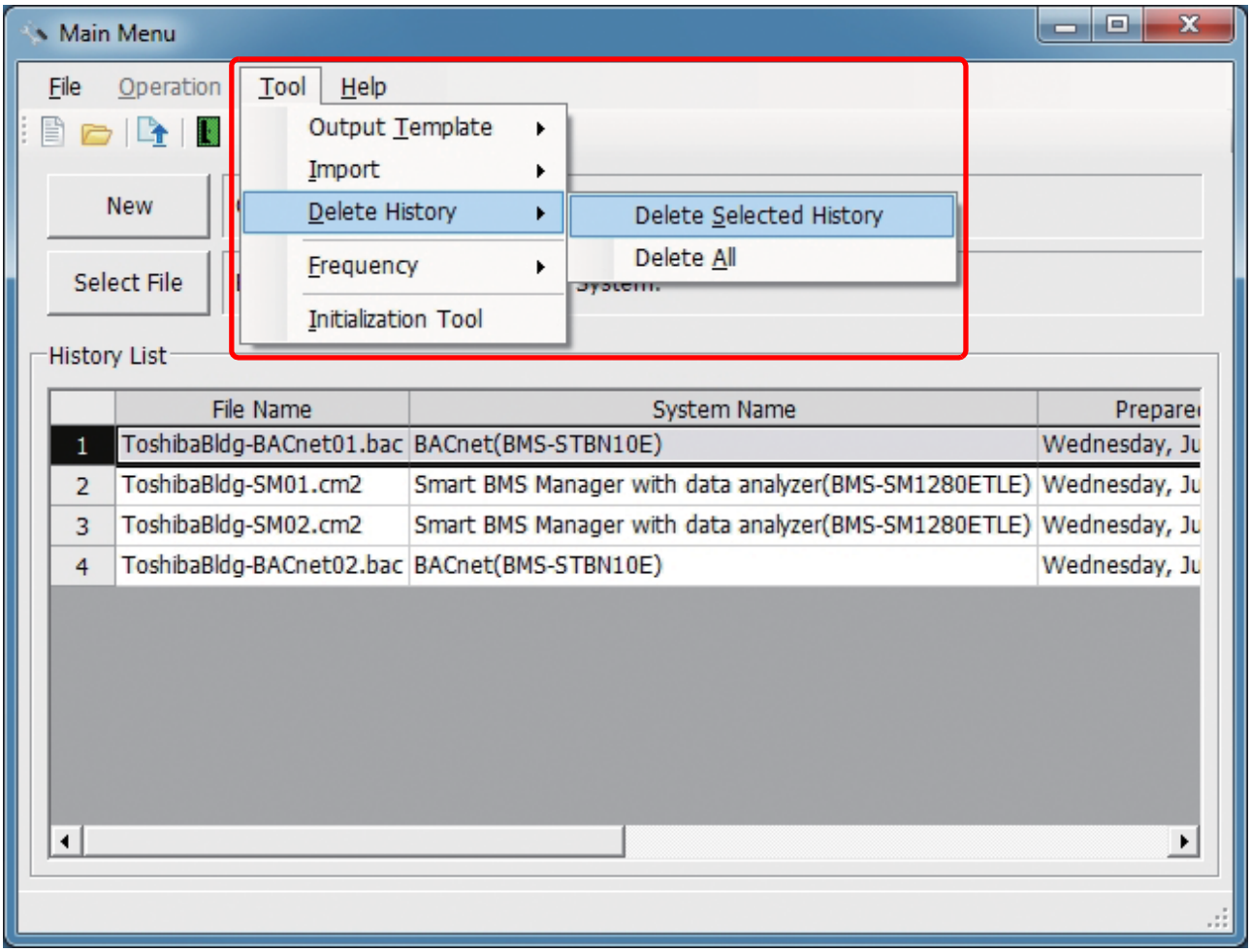


Fig.405 [Main Menu] screen (Delete History)

The deletion confirmation dialog box appears.
Click the OK button to delete. The history item will be deleted from the History List. To cancel deletion, click the Cancel button.

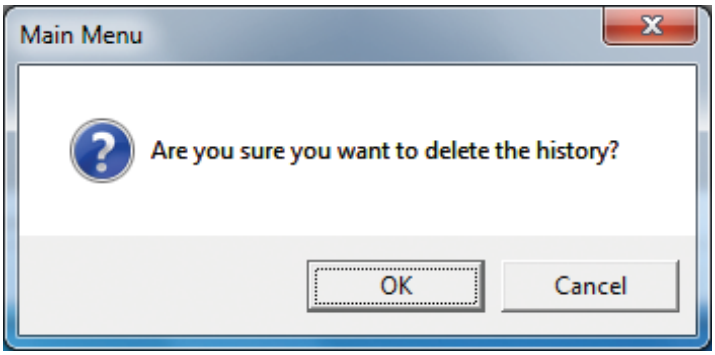


Fig.406 Deletion confirmation dialog box

EN

■ Search for the BN Interface on the network

If you do not know the IP address of the BN Interface on the network, click the [Tool]>[IP Address Search]>[BACnet]>[BMS-IFBN640TLUL].

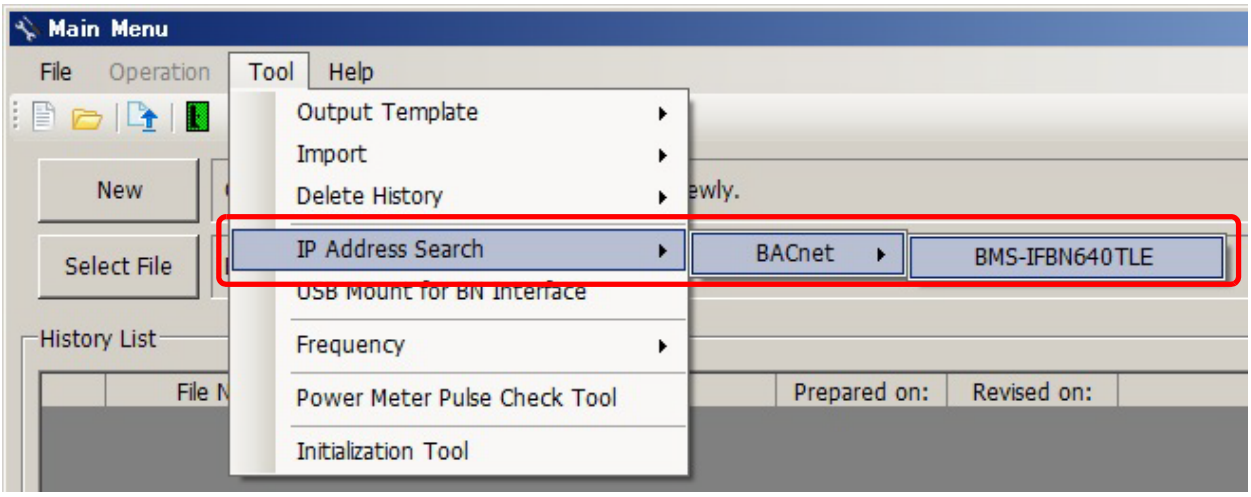


Fig.407 [IP Address Search for the BN Interface]

A dialog box appears before the search starts to confirm you want to execute the search. To execute the search, click the [Device Search] button.

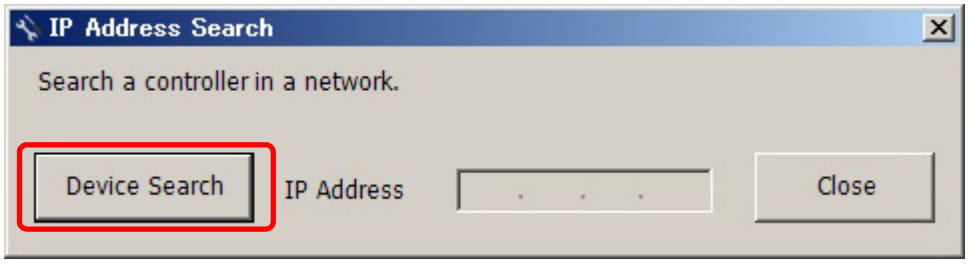


Fig.408 [IP Address Search]

When the search is complete, appears IP address. To exit this dialog box, click the [Close] button.

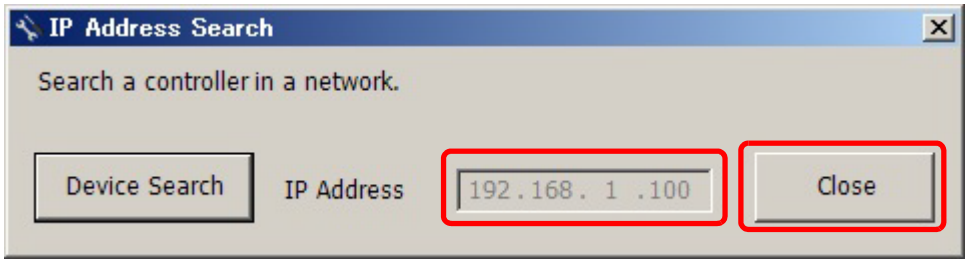


Fig.409 [IP Address Search]

■ Uploading a setting file (DEF File)

Uploading a Setting File (DEF File)

Click the [Upload] button or select the [File] menu then [Upload] on the [Main Menu] screen (Fig.2) or [Data Input Main] screen (Fig.4). The Upload Settings screen (Fig.14) appears.

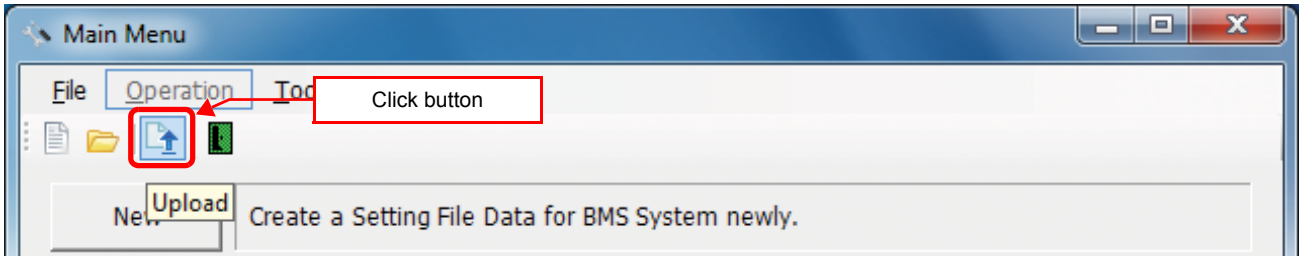


Fig.410 [Main Menu] screen (Upload button)

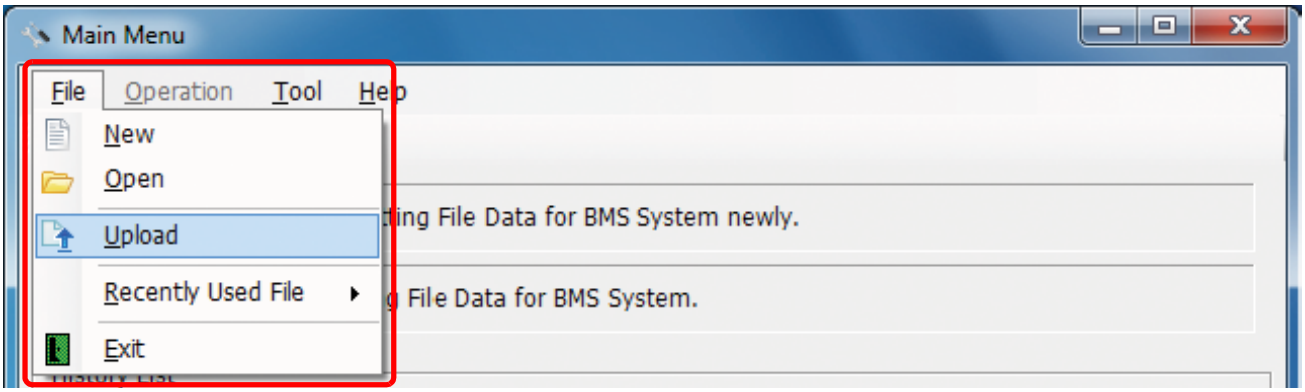


Fig.411 [Main Menu] screen (Upload menu)

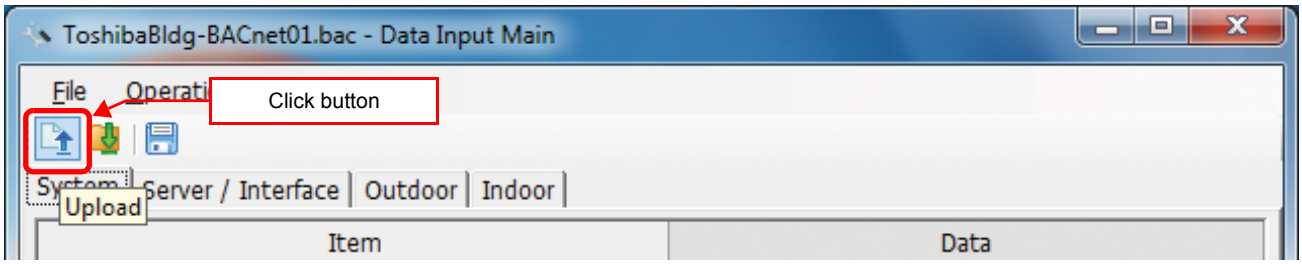


Fig.412 [Data Input Main] screen (Upload button)

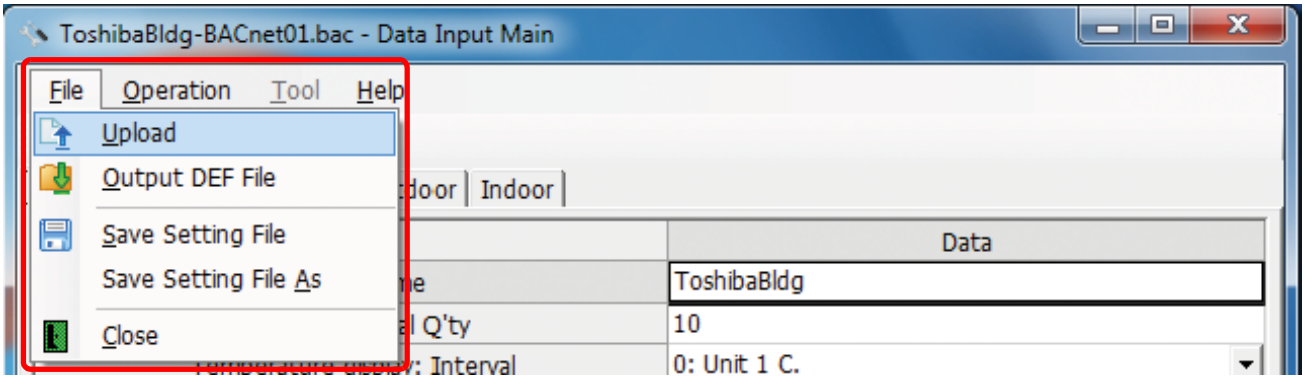


Fig.413 [Data Input Main] screen (Upload menu)

EN

Specifying Setting File Data

Specify the setting file data to upload.

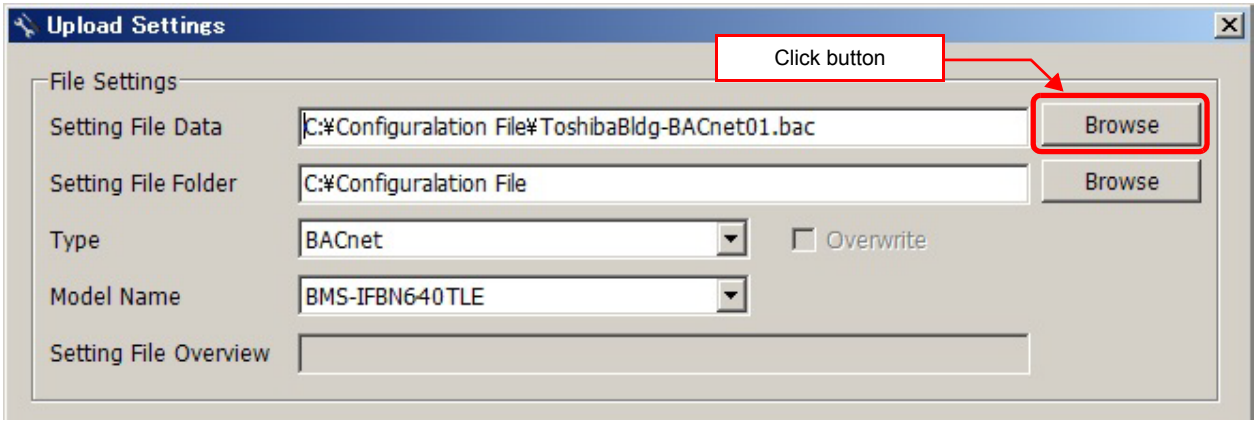


Fig.414 [Upload Settings] screen (Specify file directly)

Select a file on the Open screen.

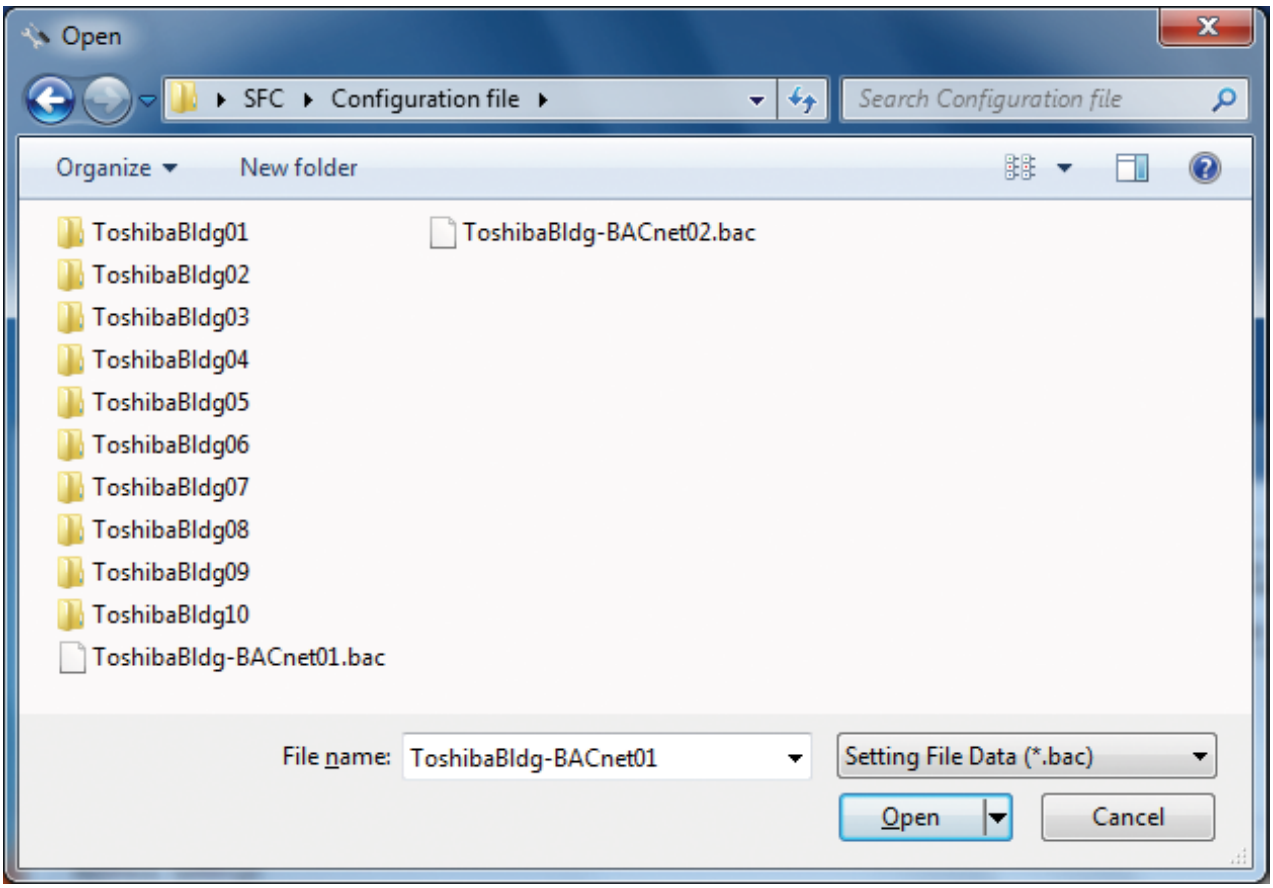


Fig.415 [Open] screen

Specifying a Setting File Folder

Select a folder.
When setting file data is specified, the folder is automatically selected depending on the setting.

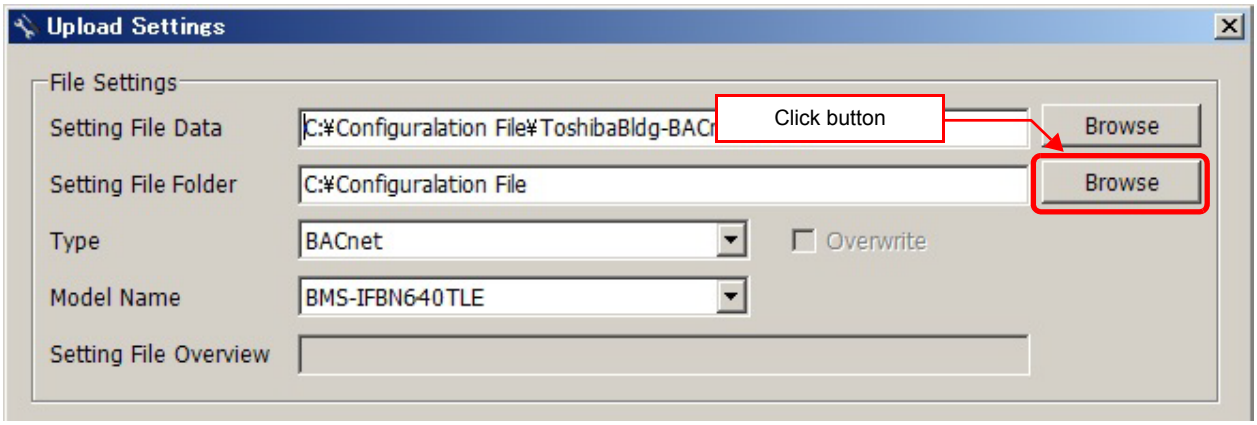


Fig.416 [Upload Settings] screen (Specify folder directly)

Select a folder containing the setting file on the Browse For Folder screen.

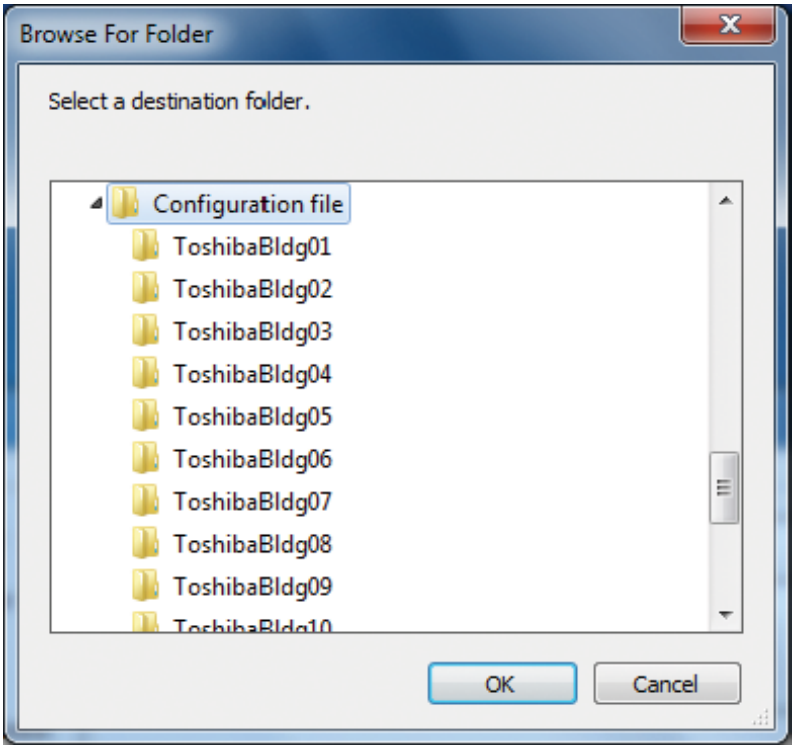


Fig.417 [Browse For Folder] screen

Specifying a Target System (type and model name)

Select a destination system to upload the file to.
When Setting File Data is specified, the target system is automatically set to “BACnet” & “BMS-IFBN640TLUL”.

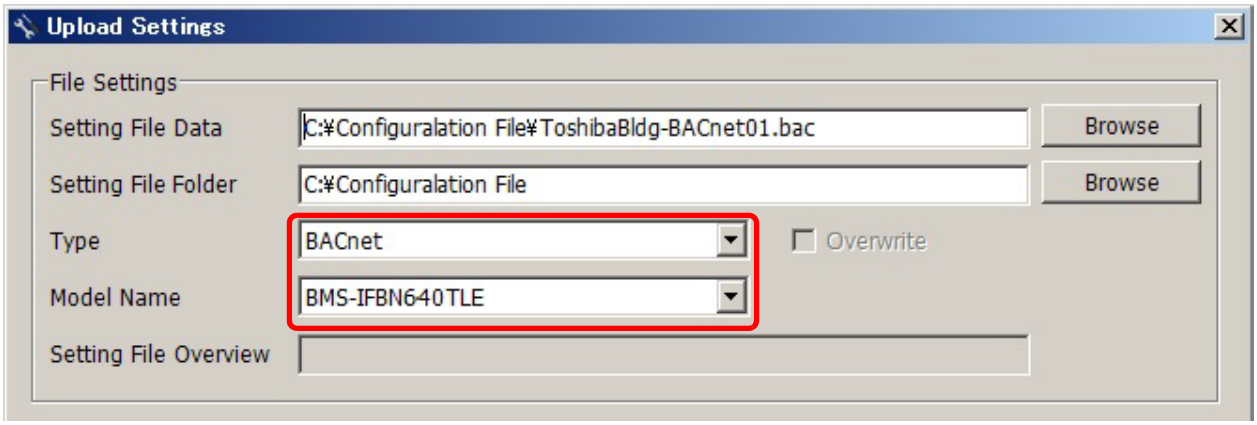


Fig.418 [Upload Settings] screen (Type, Model Name)

Specifying an IP Address

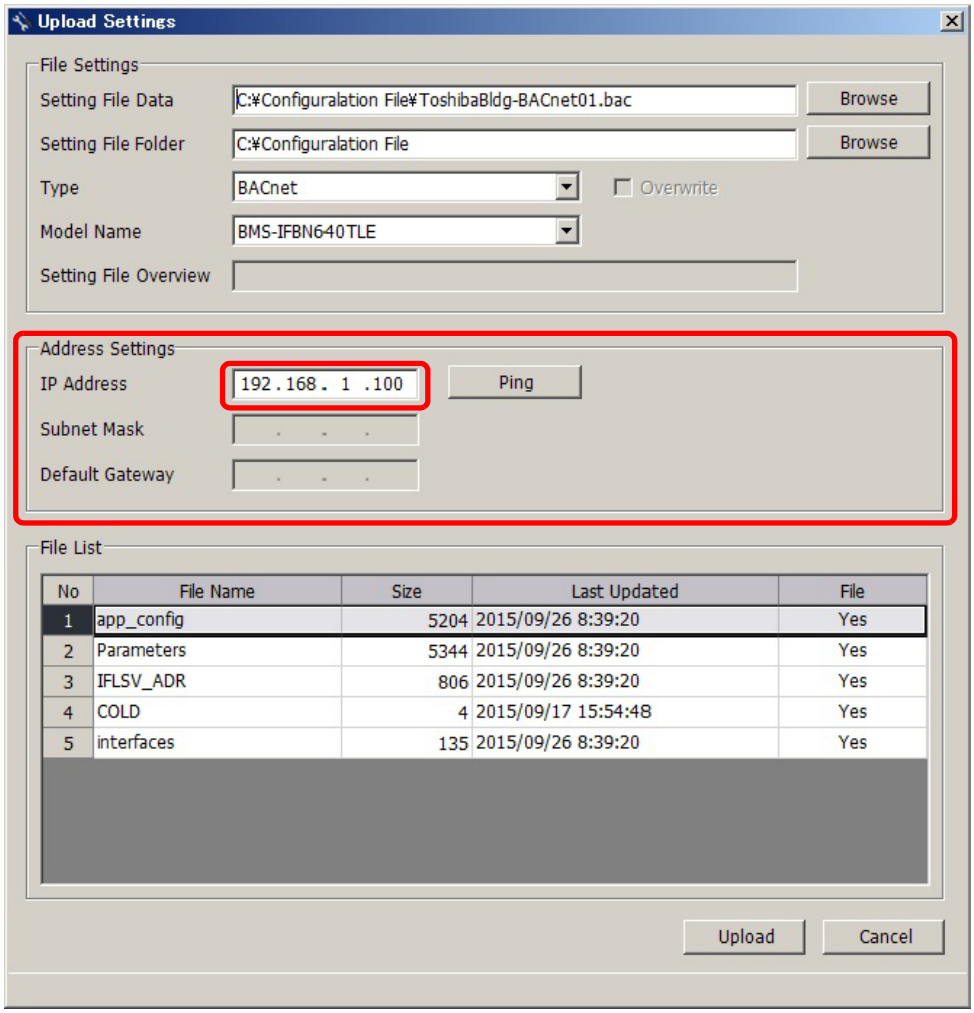


Fig.419 [Upload Settings] screen (IP Address)

The following table shows the items in the File List:

Item	Content
File Name	Name of the file to upload
Size	Size of the file to upload
Last Updated	Last updated time of a file to upload
File	Shows whether a setting file exists in the specified folder Yes: Exists No: Does not exist

Starting the Upload

After the preparation (Specifying Setting File Data) has been completed, click the Upload button. The upload starts.

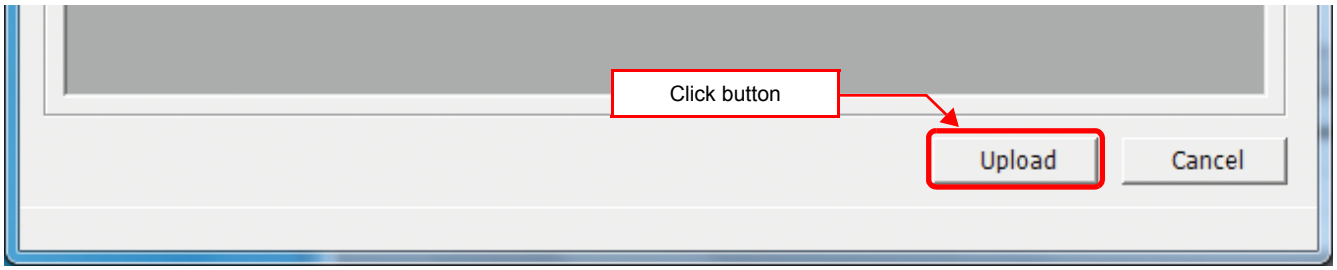


Fig.420 [Upload Settings] screen (Upload button)

The progress bar is displayed during the upload.

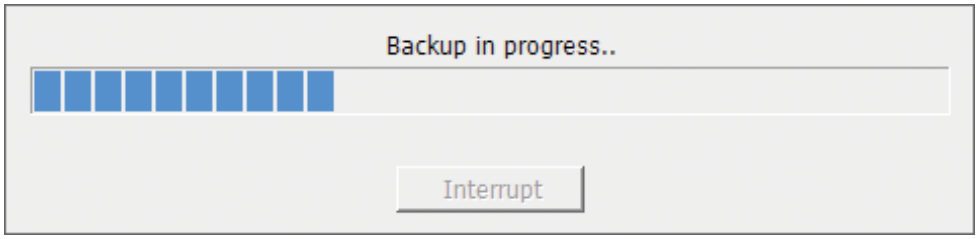


Fig.421 Progress bar

⚠CAUTION

If BACnet server is shut down during upload, stored data may be damaged and the server may not operate.
Do not shut down the server during upload.

EN

■ Uploading a setting file(DEF File) by the USB Flash Drive

Click the [Output DEF File to USB Flash drive] button or select the [File]>[Output DEF File to USB Flash drive] on the [Data Input Main] screen.

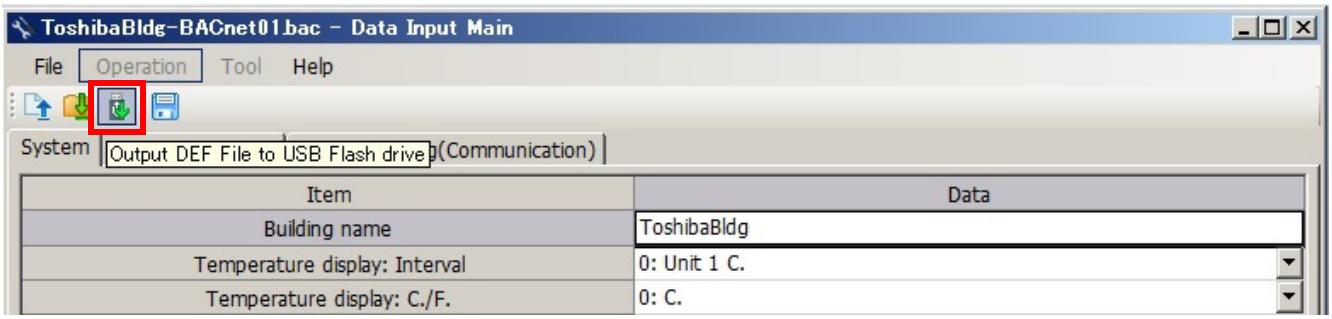


Fig.422 [Data Input Main] screen (button)

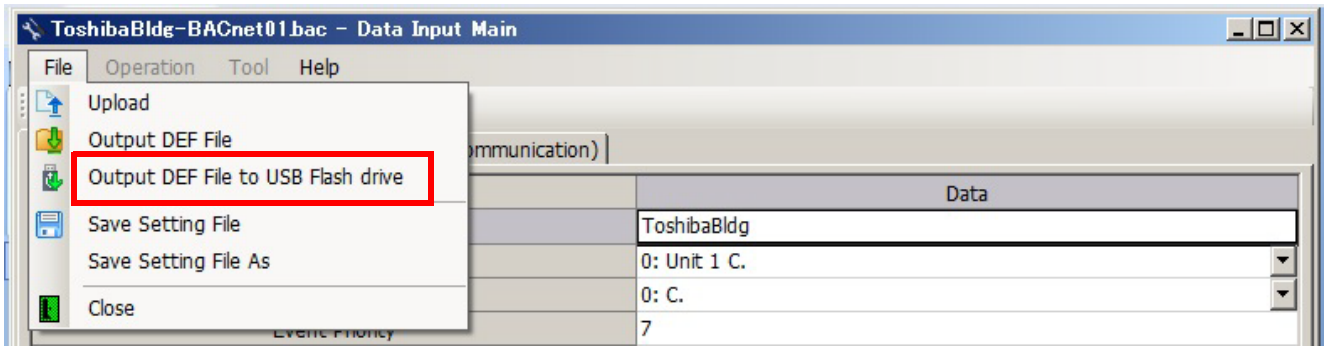


Fig.423 [Data Input Main] screen (menu)

The overwrite confirmation dialog box appears. Click the OK button to overwrite the file. To cancel saving and return to the data input screen, click the cancel button.

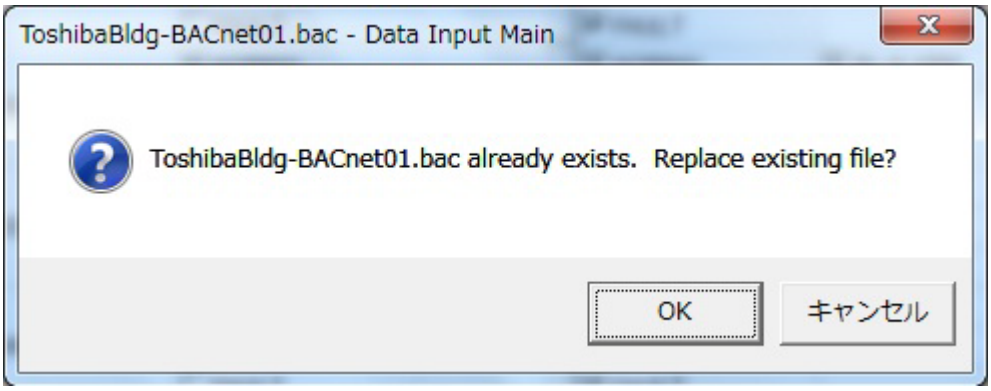


Fig.424 Overwrite confirmation dialog box

Select a USB Flash Drive to save the DEF file to.

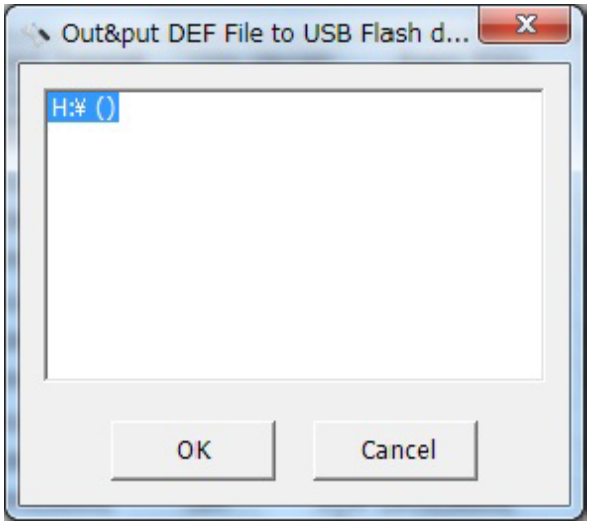


Fig.425 [Select USB Flash drive] screen

The entered data will be checked. If the data contains an error, the item and error message box appear. Modify the section containing the error.

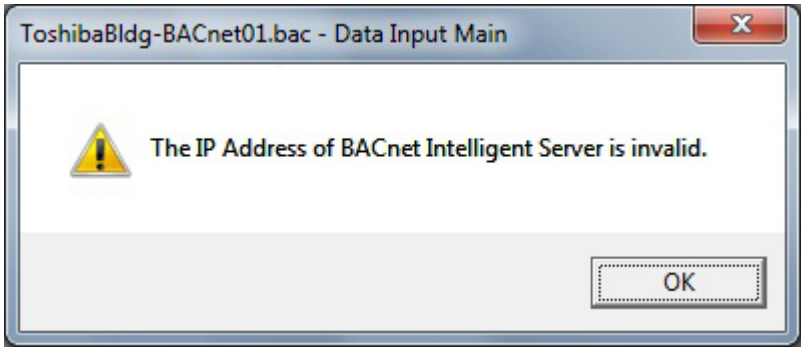


Fig.426 Example of error message box

When the DEF file output is complete, a message appears. Click OK button.

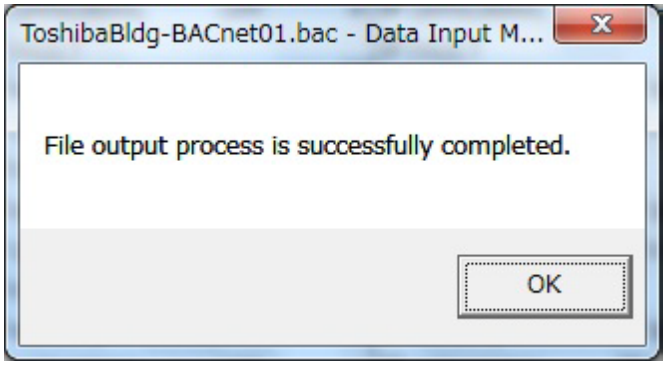


Fig.427 DEF file output complete dialog box

Check "BNIF_Upload" folder in USB Flash drive.

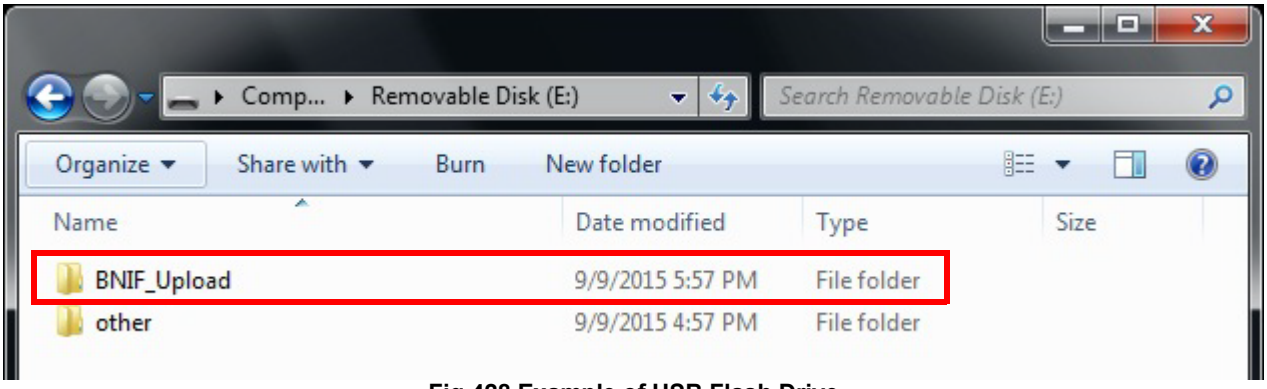


Fig.428 Example of USB Flash Drive

Insert the USB Flash Drive to BMS-IFBN640TLUL's USB Port.
Wait about 2 minutes, Setting files update to BMS-IFBN640TLUL and reboot.

■ Checking Setting File

Select the [Tool]>[USB Mount for BN Interface] on the [Main Menu] screen.

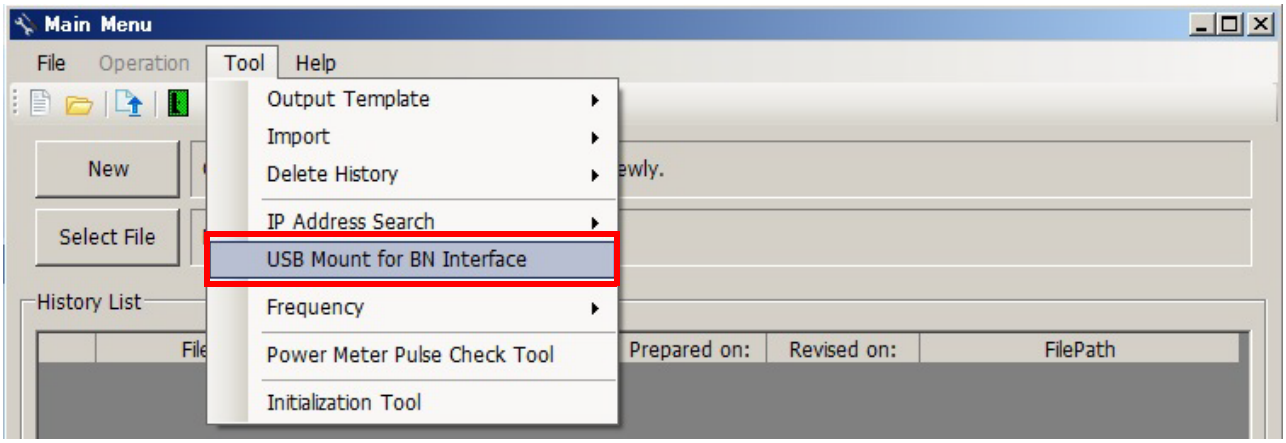


Fig.429 [Data Input Main] screen (button)

Select a USB Flash Drive to download the Setting File of BMS-IFBN640TLUL.

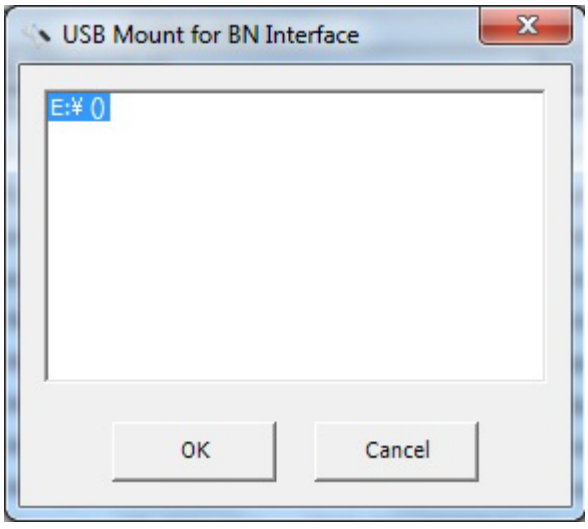


Fig.430 [Select USB Flash drive] screen

When the USB Flash Drive Mount is complete, a message appears. Click OK button.

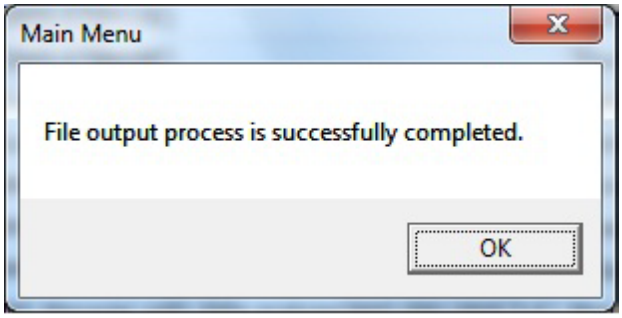


Fig.431 USB Flash Drive Mount complete dialog box

Check "BNIF_Download" folder in USB Flash drive.

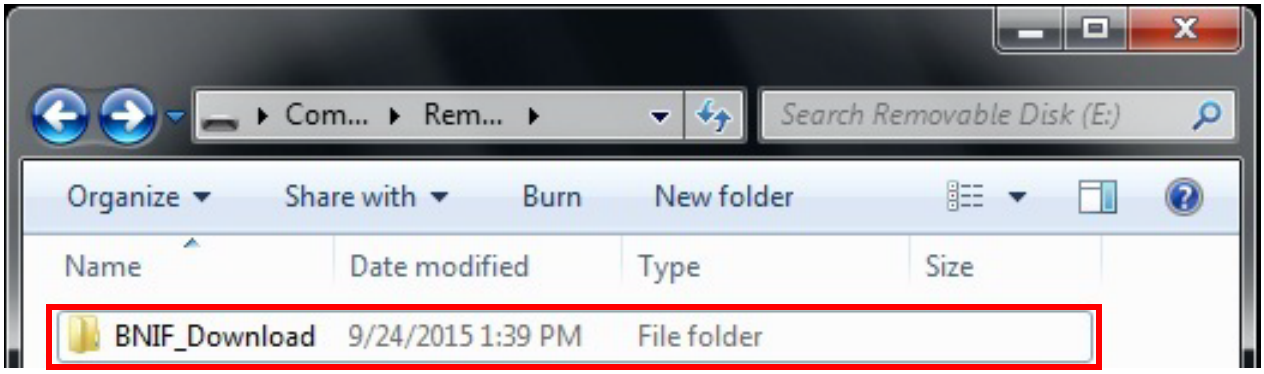


Fig.432 Example of USB Flash Drive

Insert the USB Flash Drive to BMS-IFBN640TLUL's USB Port.
Wait about 1 minute, BMS-IFBN640TLUL's Setting files download to USB Flash Drive.
Insert the USB Flash Drive to PC and check "BNIF_Download" folder. There are "SearchObjectLog.tsv", "Interfaces", "*****.bac" files.

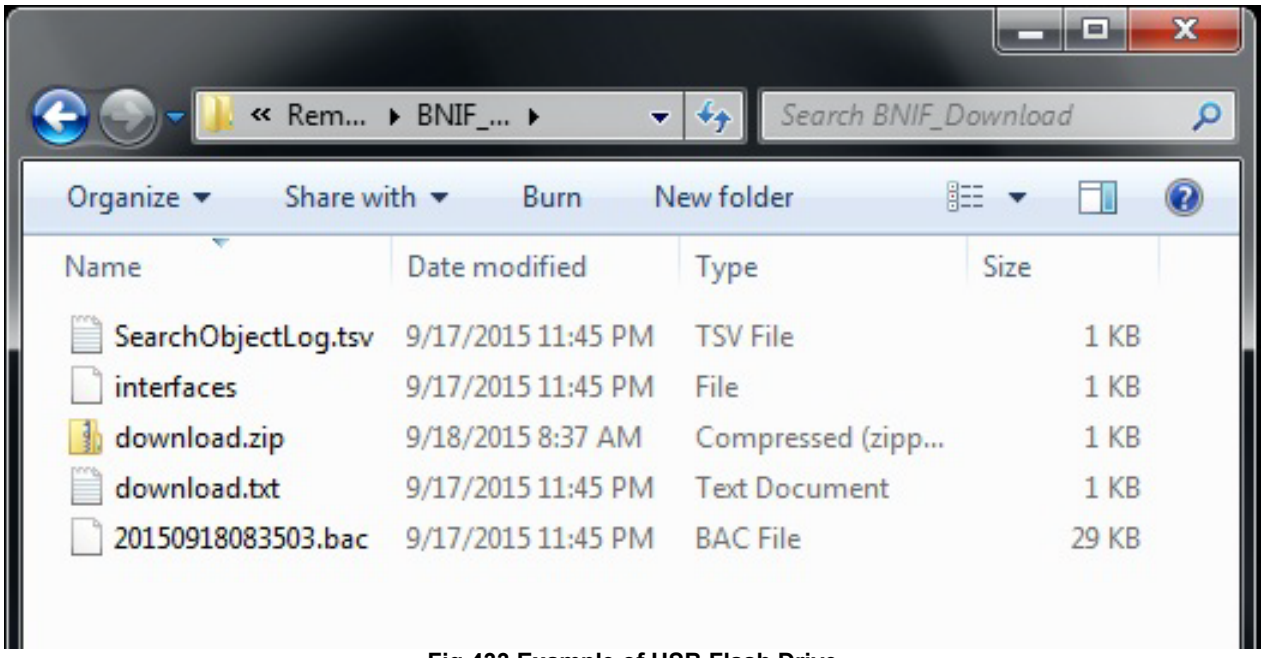


Fig.433 Example of USB Flash Drive

EN

Check the Indoor Unit total Q'ty by the "SearchObjectLog.tsv".

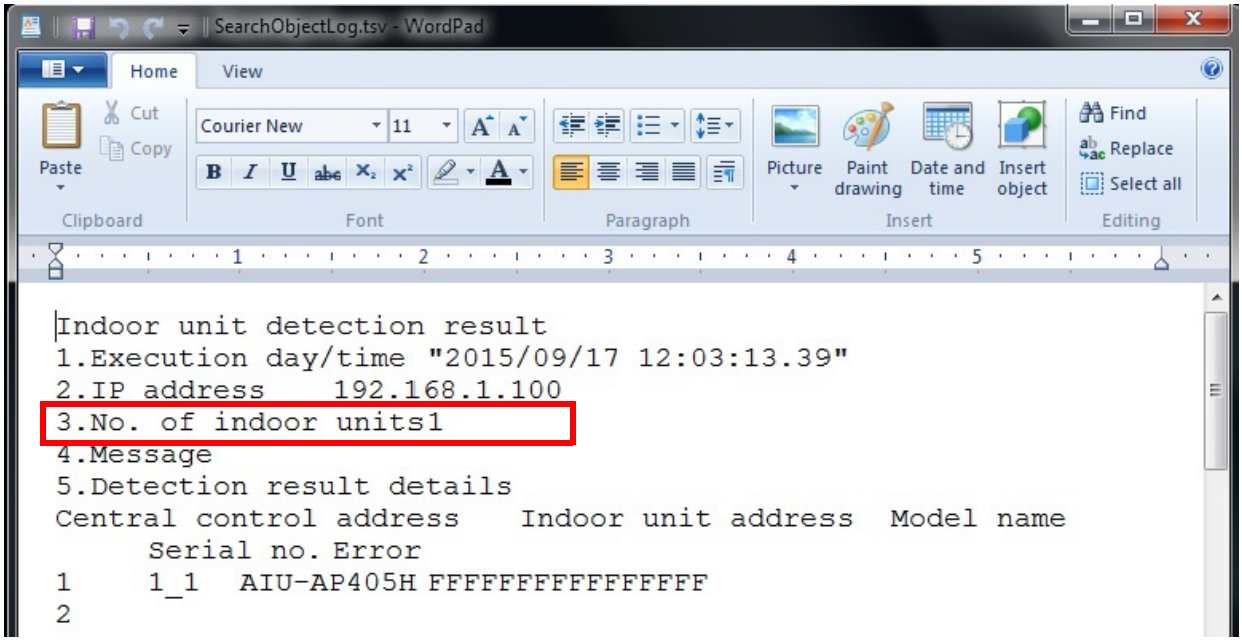


Fig.434 Example of "SearchObjectLog.tsv"

Check the IP Address, Subnet Mask, Default Gateway by the "Interfaces".

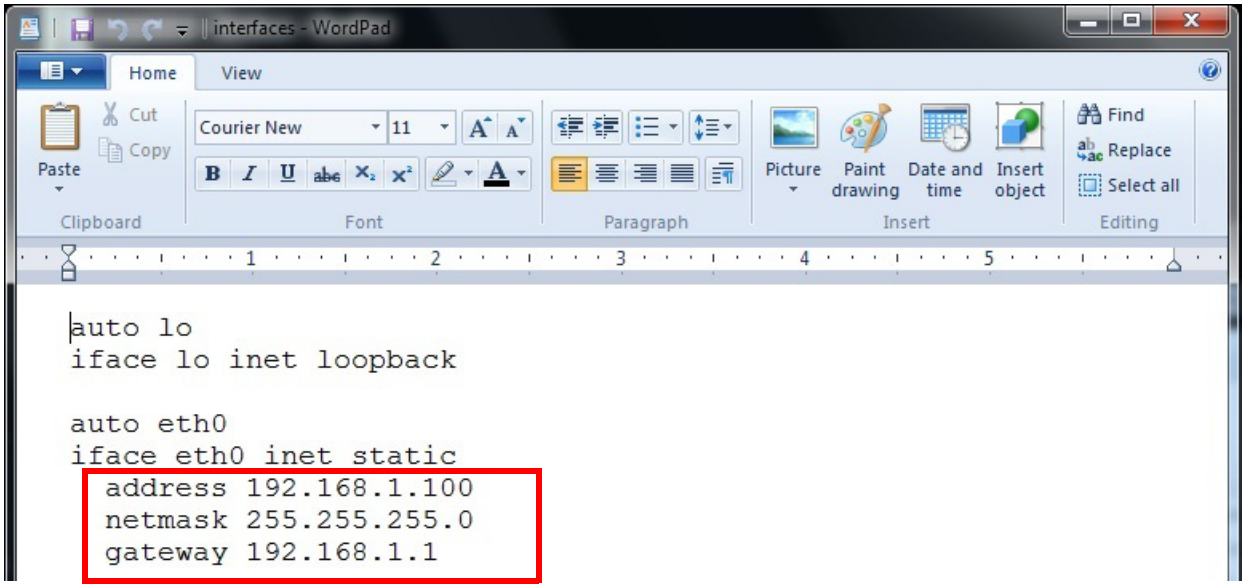


Fig.435 Example of "Interfaces"

Check the BACnet Setting by the "*****.bac".

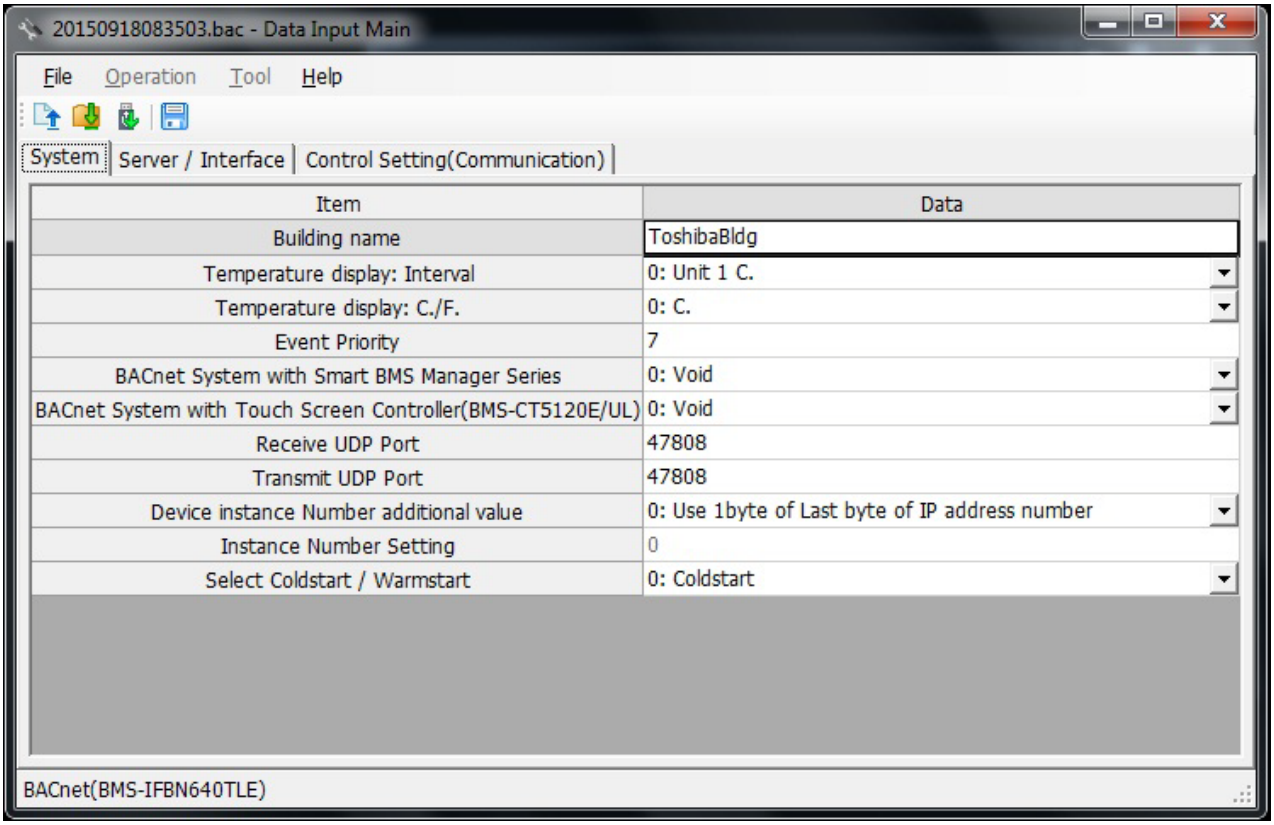


Fig.436 Example of "***.bac"**

■ System settings

System Tab

The following table shows the settings configured on the System tab:

Item	Content	Data type / range
Building name	Building name	Characters (Up to 100 bytes, Forbidden: " ' > < : ; , # &)
Temperature display: Interval	Unit of temperature interval	0: Unit 1 °C. 1: Unit 0.5 °C.
Temperature display: C./F.	Celsius	0: °C. 1: °F.
BACnet System with Smart BMS Manager Series	Concomitant use Smart BMS Manager void/valid	0: Void 1: Valid
BACnet System with Touch Screen Controller (BMS-CT5120E/UL)	Concomitant use Touch Screen Controller void/ valid	0: Void 1: Valid
Receive UDP Port	Receive UDP Port number	47808 - 47823, 49152 - 65535
Transmit UDP Port	Transmit UDP Port number	47808 - 47823, 49152 - 65535
Device instance Number additional value		0: Use 1 byte of Last byte of IP address number 1: Use 2 byte of 3 and 4 byte of IP address number 2: User setting
Instance Number Setting	Instance number	0 - 4194303
Select Coldstart / Warmstart	Selection of the Coldstart or Warmstart after uploading	0: Coldstart 1: Warmstart

Server Setting Tab

The following table shows the settings configured on the Server Setting tab:

Item	Content	Data type / range
IP Address	IP address of the server	Numeric value
Subnet Mask	Subnet mask of the server	Numeric value
Default Gateway	Gateway of the server	Numeric value

Control Setting(Communication)

RegisterForeignDevice

The following table shows the settings configured on the RegisterForeignDevice tab:

Item	Content	Data type / range
IP address	IP address of the Foreign Device(BBMD)	Numeric value
Subnet Mask	SubnetMask of the Foreign Device(BBMD)	Numeric value
Port Number	Port Number of the Foreign Device(BBMD)	Numeric value
Transmission Interval (second)	Transmission Interval time for the Foreign Device(BBMD)	60 - 65535

■ Initialization tool

There is an initialization function to return the system to the factory settings, a function to download setting information from the BACnet local server, and a function to update versions of the BACnet local server software.

Starting the Initialization Tool

Use the menu of the Setting File Creation Software for North America or Windows menu to start the Initialization Tool.

Menu of the Setting File Creation Software for North America

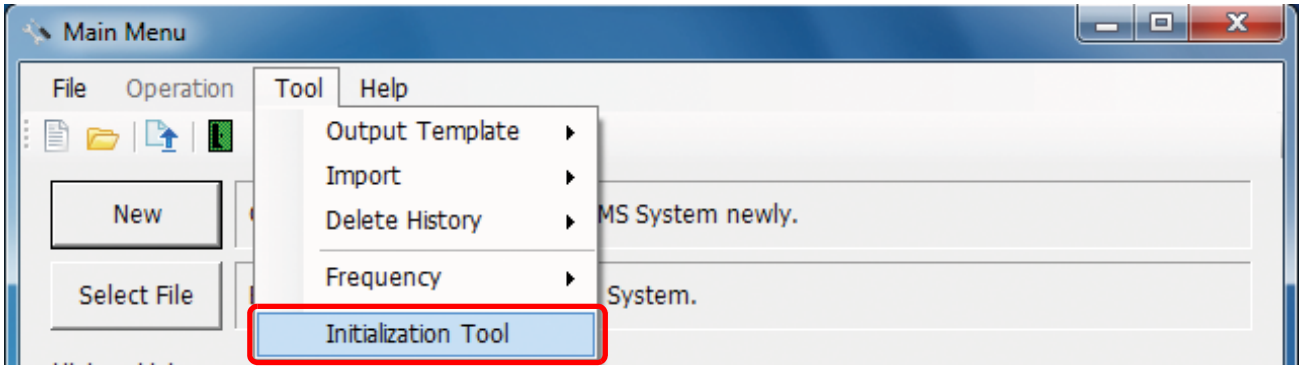


Fig.437 [Main Menu] screen (Initialization Tool)

Windows menu

Select [Start] > [All Programs] > [Toshiba] > [Setting File Creation Software for North America] > [Initialization Tool].

Exiting the Initialization Tool

Click the [Close] button, the Exit button, or select the [File] menu then [Exit].

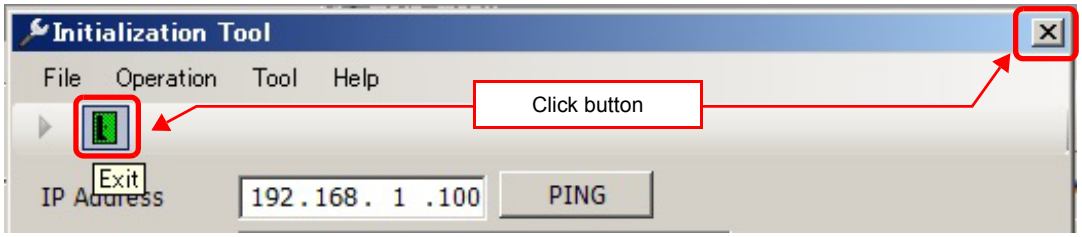


Fig.438 [Main Menu] screen (Close button / Exit button)

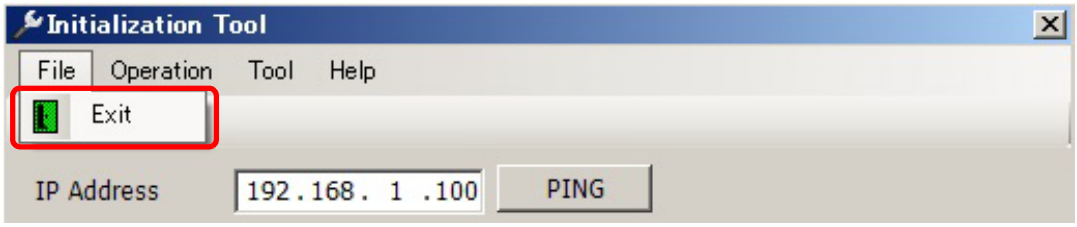


Fig.439 [Main Menu] screen (Exit menu)

The exit confirmation dialog box appears.
Click [Yes] to exit, or [No] to cancel exiting.

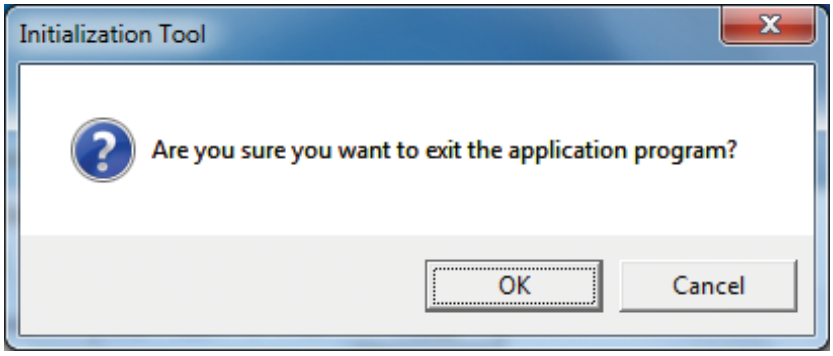


Fig.440 Exit confirmation dialog box

Initializing a system

You can reset a target system to its default settings. All data in the system will be deleted.
Follow the procedure below:

1 **Specify an IP address.**

2 **Select the target system (type and model name).**

3 **Specify a backup folder. (Fig.441)**
A backup folder can be specified before initializing a setting file. If you do not specify a backup folder, the data will be backed up to “C:\Documents and Settings\All Users\Application Data\Toshiba Carrier Corporation\Initialization Tool\backup” in Windows XP, or “C:\Program Data\Toshiba CarrierCorporation\Initialization Tool\backup” in Windows Vista/7. This folder is a hidden folder. To show the folder, you need to change the “Folder Options” settings.

4 **Use the PING command to check the connection to the target system.**

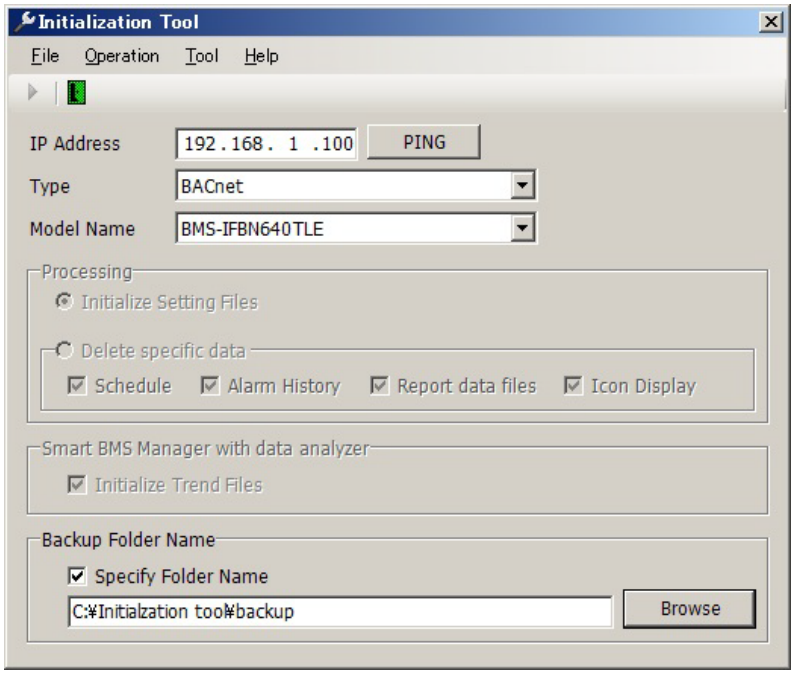


Fig.441 [Initialization Tool] screen

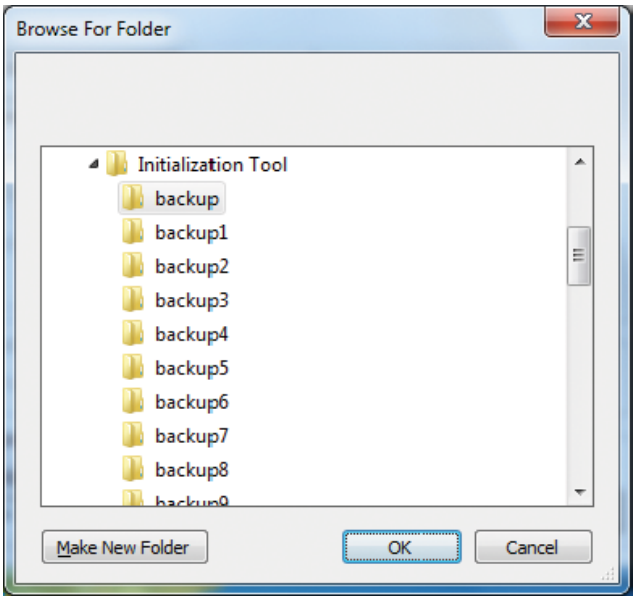


Fig.442 [Browse For Folder] screen

EN

5 **Select the [Tool] menu then [System Initialization].**

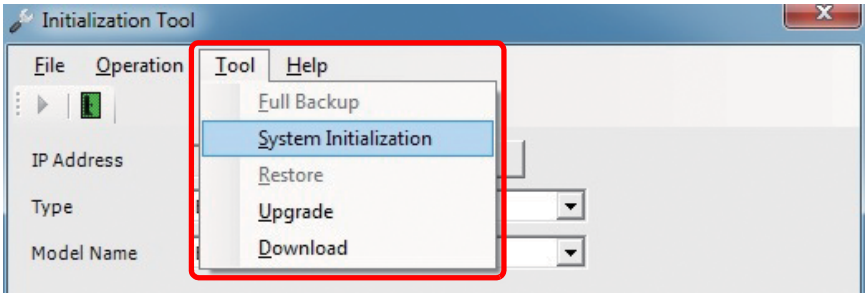


Fig.443 [Initialization Tool] screen (System Initialization menu)

6 **Read the displayed warning message, and select the [Understand these warning messages and then perform the processing] checkbox.**

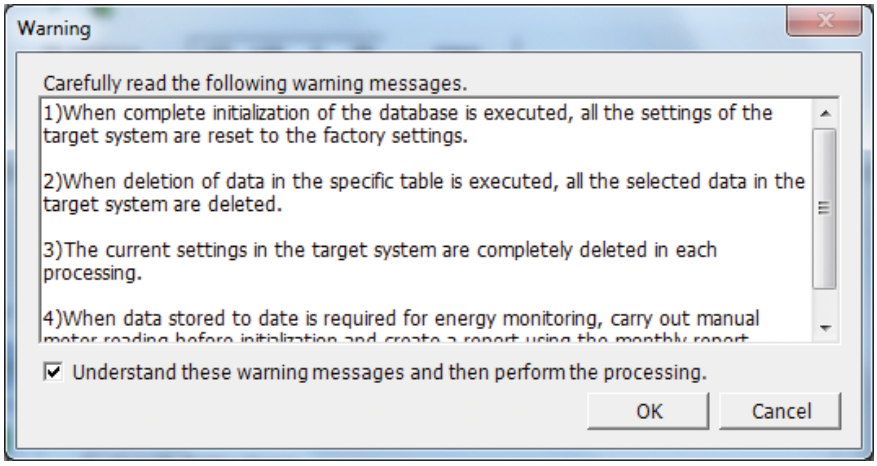


Fig.444 [Warning] screen

7 **Click the [OK] button.**
The initialization starts, and the progress bar appears.

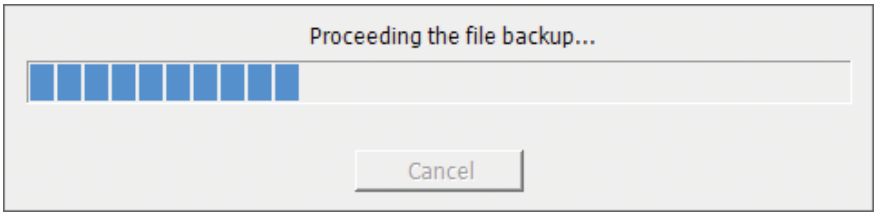


Fig.445 Progress bar

8 **If the initialization is completed successfully, the completion dialog box appears.**

9 **Restart the target system.**
Press the reset button, or turn off the power and turn it back on again. When the power is turned off, wait until over a minute passes before turning it back on.

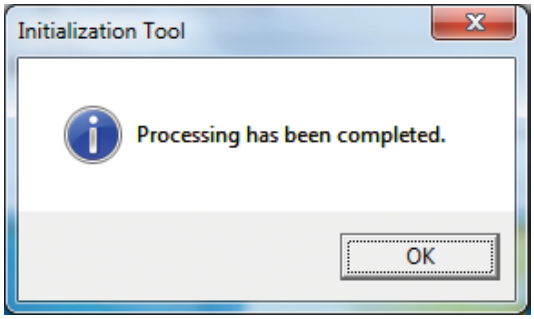


Fig.446 Completion dialog box

Downloading data

You can download setting data from the BACnet local server.
Follow the procedure below:

1 **Specify an IP address.**

2 **Select the target system (type and model name).**

3 **Specify a folder in which to download. (Fig.448)**
Specify a folder in which to save the files downloaded from the BACnet local server. If you do not specify a folder, files are saved to "C:\Documents and Settings\All Users\Application Data\Toshiba Carrier Corporation\Initialization Tool\backup", in Windows XP or to "C:\Program Data\Toshiba CarrierCorporation\Initialization Tool\backup", in Windows Vista/7. This folder is a hidden folder. To show the folder, you need to change the "Folder Options" settings.

4 **Use the PING command to check the connection to the target system.**

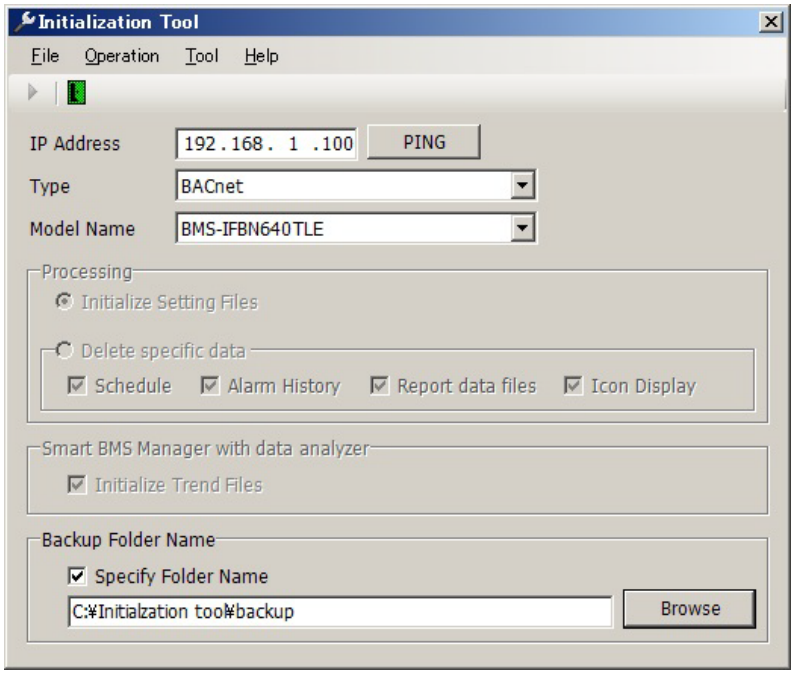


Fig.447 [Initialization Tool] screen

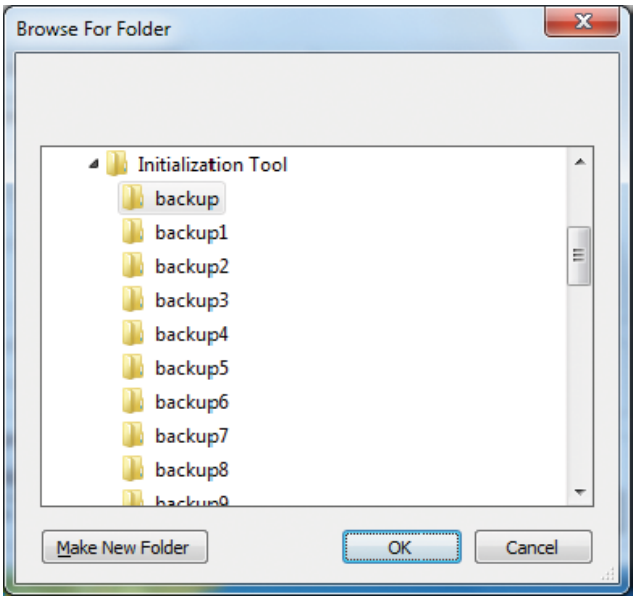


Fig.448 [Browse For Folder] screen

EN

5 **Select the [Tool] menu then [Download].**

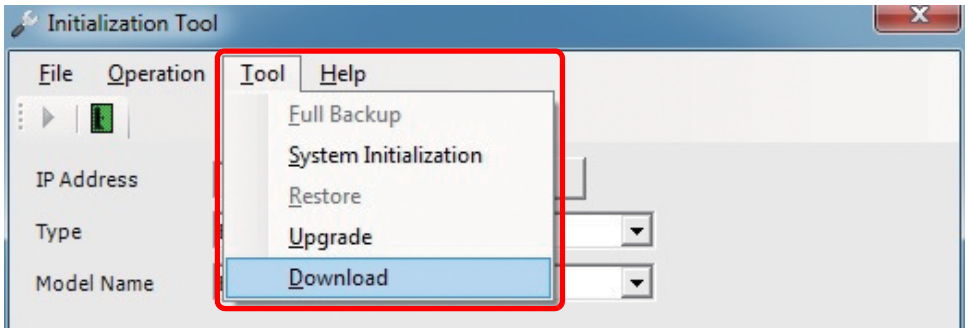


Fig.449 [Initialization Tool] screen (Download menu)

6 **The download starts and the progress bar appears.**

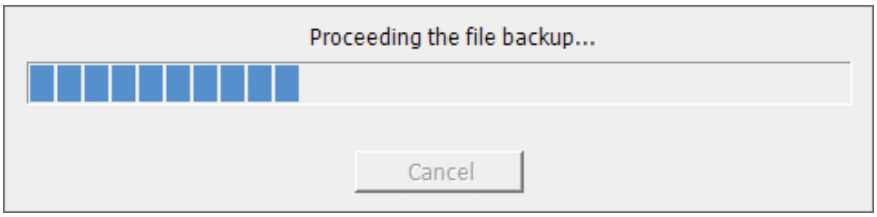


Fig.450 Progress bar

7 **If the download is completed successfully, the completion dialog box appears.**

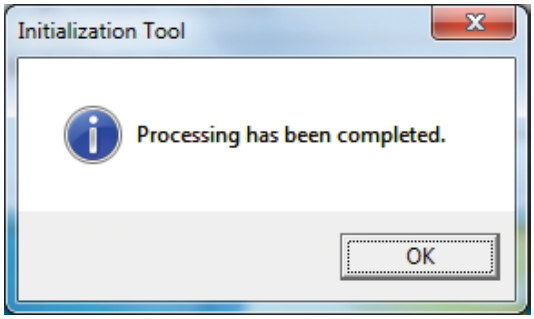


Fig.451 Completion dialog box

Upgrading

This function upgrades the software of the BN Interface.

■ Upgrade data

Upgrade data's file name is fixed "**versionup.zip**". Don't change upgrade data's file name.

NOTE

An upgraded function cannot be downgraded. The upgrade is performed by connecting the target device to a computer containing this software via a network. If the network is disconnected or the power is turned off during the upgrade, the system may malfunction.

Perform the following procedure to upgrade:

1 **Specify an IP address.**

2 **Select the target system (type and model name).**

3 **Specify a backup folder. (Fig.452)**
A backup folder can be specified before initializing a setting file. If you do not specify a backup folder, the data will be backed up to "C:\Documents and Settings\All Users\Application Data\Toshiba Carrier Corporation\Initialization Tool\backup" in Windows XP, or "C:\Program Data\Toshiba Carrier Corporation\Initialization Tool\backup" in Windows Vista/7. This folder is a hidden folder. To show the folder, you need to change the "Folder Options" settings.

4 **Use the PING command to check the connection to the target system.**

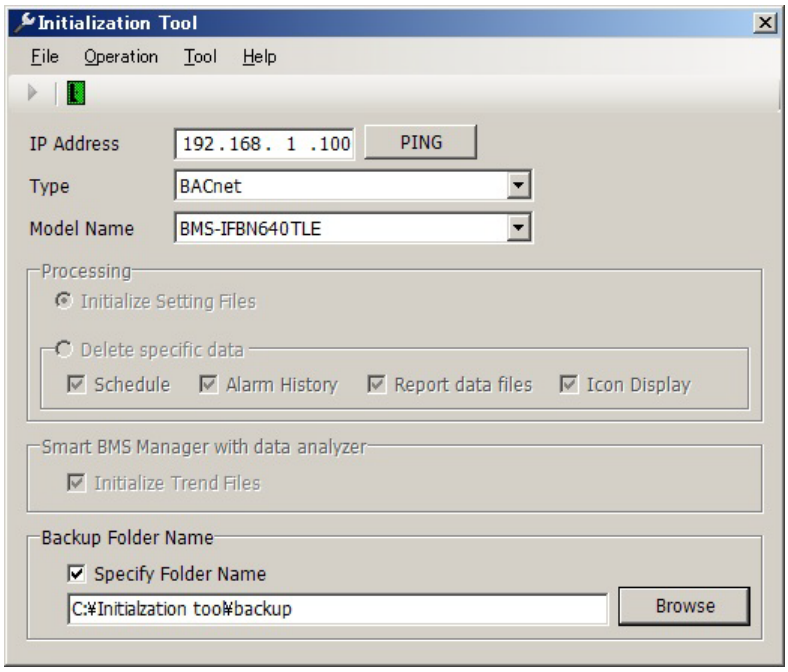


Fig.452 [Initialization Tool] screen

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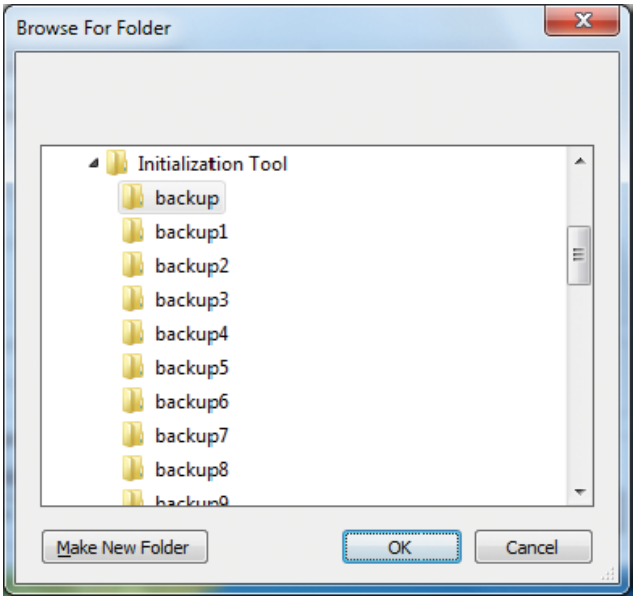

Fig.453 [Browse For Folder] screen

5 **Select the [Tool] menu then [Upgrade].**

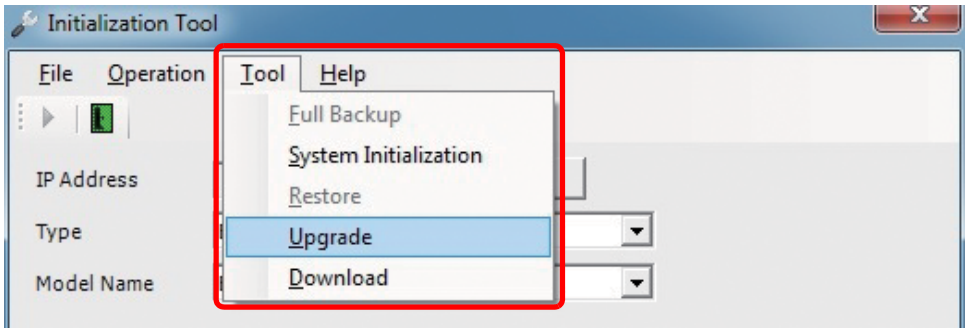

Fig.454 [Initialization Tool] screen (Upgrade menu)

6 **The Check Upgrade folder screen appears.**

7 **Click the [Browse] button, and select the folder containing the Upgrade data on the displayed Browse For Folder screen (Fig.453).**

8 **Click the [OK] button.**

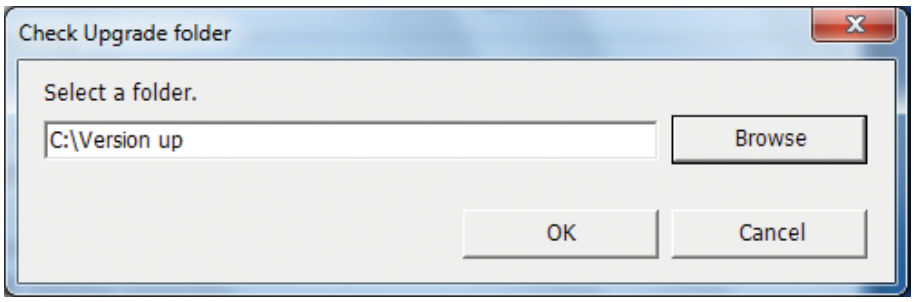

Fig.455 [Check Upgrade folder] screen

9 **Read the displayed warning message, and select the [Understand these warning messages and then perform the processing] checkbox.**

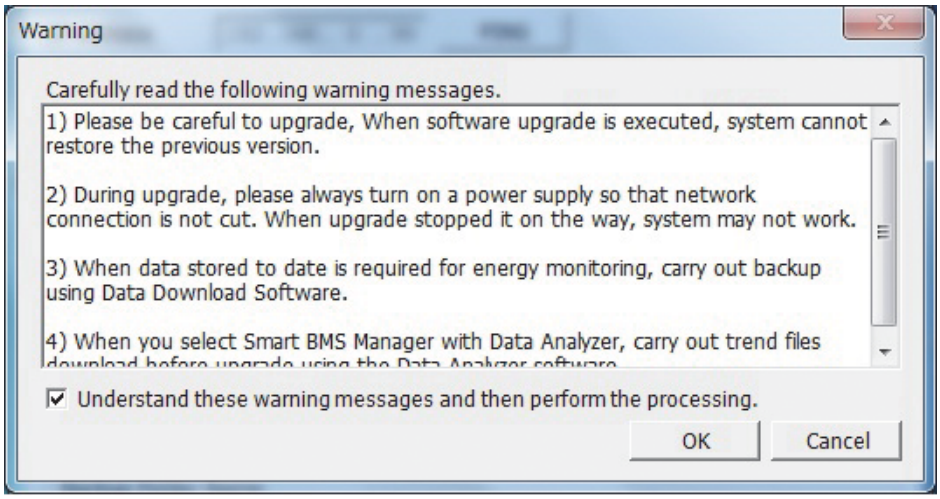

Fig.456 [Warning] screen

10 **Click the [OK] button.**
The Upgrade starts, and the progress bar appears.

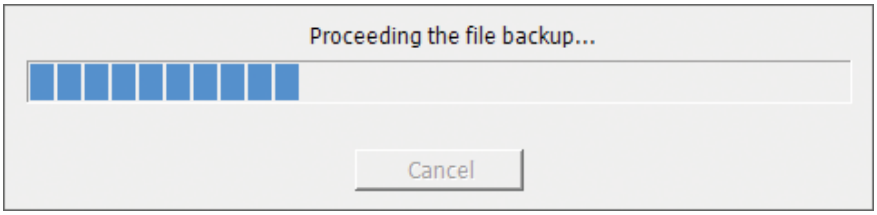

Fig.457 Progress bar

11 **If the upgrade is completed successfully, the completion dialog box appears.**
The version of the upgraded software appears.

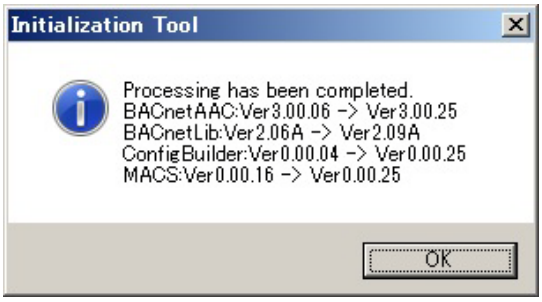

Fig.458 Completion dialog box

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