

Setting file creation software 2

Owner's Manual

Revision 5.1.2G

2024/01/30

Revision history

Revision (SFC2ver.)	Date	Responsible person	Remark
2.0.1 (1.2.4.0)	2021/10/11	Nakamoto	Ch.13.3 Added the contents of Central control ID. Added the contents of Object. Added the contents of [Control Setting (Indoor unit)] tab.
2.0.2	2021/11/19	Nakamoto	Ch.5.3 Added Copy or Increment from selected header cell. Ch1.10.2 Added a note when editing the Model file. Ch.12 Added about Setting file creation software 2 version upgrade. Ch.13.2 Added about digital input / output
3.0.0		Nakamoto	Ch.2 Added terms to the glossary Ch.3 Addition of BMS-CT2560U-E/-TR/-UL (Ver. 10.3.0.0 or later) models. Ch.0 note Added IP address setting. Ch5.5 Addition of selection method of outdoor unit. Ch5.7 Addition of selection method of indoor unit. Ch.5.11 Added "Mail Setting" Ch.5.12 Save a setting file Contents of Setting File output have been added. Ch.0 Addition of How to Upload Configuration Files for Specific Models

			Ch.7 Added pulse Accumulation Check Tool. Added comments on models. Ch.8 Contents and Notes of Data Conversion of Configuration File. Ch10.0 Added Model File Contents Ch11 Added template contents. Ch. 0 Added New model / old model correspondence table for each setting of BMS-CT2560U-E/-TR/-UL
3.1.0	2023/3/24	Nakamoto	Ch13.3 Added note about Central Control ID
4.0.0	2023/4/28	Tsujimura	Ch. 3 Addition of BMS-IFBN1281U-E/-TR/-U Ch. 3.1 Updated function name of Initialization tool Ch. 5.7 [Indoor] tab •Updated images of "Select indoor unit model" •Added the comment in Notice Ch. 5.12 Save a setting file •Updated the contents of Output setting file •Added the Connected device list in Notice Ch. 6.2 File menu [Tool] •Updated function name of Initialization tool •Updated images of "tool" menu Ch. 6.2 Firmware update •Updated images and wording change Ch. 6.2 BACnet Tool •Change title Backup Tool to BACnet Tool •Added the contents Ch. 8 Data conversion of setting file •Added BMS-IFBN1281U model in BACnet I/F Ch. 10.2 Editing a model file •wording change about upgrade Ch. 11 Template file •Added BMS-IFBN1281U model in Template Ch. 13.3 [System] tab •Updated images and added the contents of Central ·control ID/ BN interface operation settings/ WhohasService/notes. Ch. 13.4 Output of EDE file •Added comment in "About EDE File" •Added images and *Note in "How to set the state-text name" Ch. 13.7 Updated contents about differences corresponding to TU2C-LINK type and TCC-LINK type for each setting. Ch. 15 Added OSS License
5.0.0	2023/08/09	Tsujimura	Ch.3.1 Setting items Added Display of system cooperation defrosting Added Outdoor unit model name(Selection method) Added Indoor unit model name(Selection method)

			Added (How to enter the model name in the template) Ch.5.1 Startup procedure Added about select the destination Ch.5.3 [System] tab Added Display of system cooperation defrosting (layout display) Ch. 5.9 [Demand] tab Change the Demand alarm setting range. Ch. 10.1 Updating a model file updated the contents of description. Ch. 11.1 Entering Configuration Information in Template file Added available Line address for each unit type
5.1.1 (1.8.0.0)	2023/10/31	Tsujimura	Ch.3.1 Added OS update in BACnet interface category Ch.6.2 Added OS update section, Show Software Version section
5.1.2 (1.8.0.0)	2024/01/23	Tsujimura	Ch.13.3 Added note(*3) in [System] tab

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1 Overview

“Setting file creation software 2” is a software to create setting files for use by the Central Control Device

Created data is copied using the upload function of the respective system.

2 Glossary

The table below describes the terms which appear in the owner's manual.

Term	Meaning
SFC2	Abbreviation for “Setting file creation software 2”.
Central Control Device	Controller to monitor and control the indoor unit and outdoor unit
Indoor unit / IDU	Air conditioner and ON/OFF device installed indoor
Outdoor unit / ODU	Outdoor unit connected to indoor unit
Setting file data	Data summarizing the configuration and information of the setting file (.tsc4, .bac etc.)
Setting file	File to upload into the Central Control Device (.def, .xml etc.)
External unit	Device to be connected except the indoor unit and outdoor unit (Lighting, ventilation fan etc.)
Model file	Refers to the file “Model.xml” that registers the models that can use this software.
Controller Alarm	An alarm that indicates an abnormality in the system controller detected by the system controller. Alarms that starting with S except S01.
TU2C-LINK type	TU2C-LINK support / type indoor unit or outdoor unit.
TCC-LINK type	TCC-LINK support / type indoor unit or outdoor unit.
capacity model	IDU or ODU expressed by capacity rank information

3 Intended model and Setting item overview

For Global

Type	Model Name (● : default)		File extension
Touch screen controller		BMS-CT5120E	tsc2
	●	BMS-CT5121E	tsc2
Touch screen controller (CT128/256series)		BMS-CT1280-E/-TR	tsc3
		BMS-CT2560U-E/-TR	tsc4
	●	BMS-CT2560U-E/-TR (Ver.10.3.0.0or later)	tsc5
Smart BMS manager	●	BMS-SM1280HTLE	cm1
Smart BMS manager with data analyzer		BMS-CM1280ETLE	cm2
	●	BMS-CM1281ETLE	cm2
BACnet I/F		BMS-IFBN640TLE	bac
		BMS-IFBN1280U-E/-IN/-TR	bac
	●	BMS-IFBN1281U-E/-TR	bac
Smart device control interface	●	BMS-IWF0320E	wf0

For North America

Type	Model Name (● : default)		File extension
Touch screen controller	●	BMS-CT5120UL	tsc2
Touch screen controller (CT128/256series)		BMS-CT1280-UL	tsc3
	●	BMS-CT2560U-UL(Ver.10.3.0.0 or later)	tsc5
Smart BMS manager		BMS-SM1280HTUL	cm1
	●	BMS-SM1280HTUL(*)	cm1
BACnet I/F		BMS-IFBN640TLUL	bac
	●	BMS-IFBN1281U-UL	bac

3.1 Setting items

This owner's manual for the "Setting file creation software 2" provides instructions on how to create a setting file for the Central Control Device. Mainly, the following check mark items can be set.

		Touch screen controller	Touch screen controller (CT128/256 series) (10.3.0.0 later)	Touch screen controller (CT128/256 series)	Smart BMS manage	BACnet I/F	Smart device control interface
System setting	Building name	✓	✓	✓	✓	✓	✓
	Indoor unit total Q'ty	✓			✓		✓
	Daily report closing time (meter-read time)	✓	✓	✓	✓		
	Monthly report closing date	✓	✓	✓	✓		
	Lock Linkage Mode	✓	✓	✓	✓	✓	
	Date display format	✓	✓	✓			
	Starting day of the week	✓	✓	✓			
	Energy Monitoring	✓	✓	✓	✓		
	Stand-by power counting	✓	✓	✓	✓		
	Filter sign display mode	✓	✓	✓			
	Back light save count (minutes)	✓					
	Select Touch Screen Display Language	✓	✓	✓			
	Words in error code definition file	✓			✓		✓
	Temperature display: Interval	✓	✓	✓	✓	✓	
	Temperature display: C./F.	✓	✓	✓	✓	✓	
	Lower limit Temperature of Indoor unit graph.	✓	✓	✓			
	Upper limit Temperature of Indoor unit graph.	✓	✓	✓			
	Daylight-saving time shift (minutes)	✓	✓	✓			
	Flap Setting (group control)	✓	✓	✓			
	Memory refresh	✓	✓	✓			

		Touch screen controller	Touch screen controller (CT128/256 series) (10.3.0.0 later)	Touch screen controller (CT128/256 series)	Smart BMS manage	BACnet interface	Smart device control interface
System setting	Automatic restart time of Web server	✓					
	CONTACT Info.	✓	✓	✓	✓		
	Simply Setting Monde Valid/Void		✓	✓			
	Touch screen controller (CT128 Series) Group Setting		✓	✓			
	Display Leak Detection Valid/Void		✓	✓			
	For UAE ESMA20C.		✓	✓	✓		
	Power peak cut conditions		✓	✓			
	Power measurement method		✓	✓			
	Display of system cooperation defrosting (layout display)		✓				
	Built-in controller fire alarm channel				✓		
	Dual Set Point Schedule Valid/Void		✓	✓	✓		
	Dual Setpoint setting valid/void					✓*1	
	Event Priority					✓	
	BACnet System with Smart BMS manager Series / Touch screen controller(CT128series)					✓	
	BACnet System with Touch screen controller.					✓	
	Receive UDP Port					✓	
	Transmit UDP Port					✓	
	Device instance Number additional value					✓	
	Instance Number Setting					✓	
	Device object name setting					✓ *1	
	Select Coldstart / Warmstart					✓	

*1 Only BMS-IFBN1281U-

			Touch screen controller	Touch screen controller (CT128/256 series) (10.3.0.0 later)	Touch screen controller (CT128/256 series)	Smart BMS manage	BACnet interface	Smart device control interface
System setting	5 Fan Speed setting Valid/Void						✓	
	Detail Setting mode valid/void						✓	
	Central Controller ID						✓	
	Using Region Server							✓
	Using Cloud Server							✓
Server/ Interface	Server setting	IP address	✓	✓	✓	✓	✓	✓
		Subnet Mask	✓	✓	✓	✓	✓	✓
		Default Gateway	✓	✓	✓	✓	✓	✓
		TCS-net Relay Interface Q'ty	✓					
		Digital I/O Relay Interface Q'ty	✓	✓	✓	✓		
		Energy Monitoring Relay Interface Q'ty	✓	✓	✓	✓		
		DNS Setting						✓
	Interface address setting	Address Data	✓	✓	✓	✓		
	Interface setting	I/O Function	✓	✓	✓	✓		
		Pulse constants	✓	✓	✓	✓		
		Power Meter Display Name	✓	✓	✓	✓		
		Signal logic	✓	✓	✓	✓		
Outdoor	I/F No		✓					
	LINE No			✓	✓	✓		✓
	Line address		✓	✓	✓	✓	✓	✓
	Outdoor unit combination model name		✓	✓	✓	✓	✓	✓
	Outdoor unit model name (Selection method)		Model name	Capacity model	Model name	Model name	Model name	Model name
	Outdoor name		✓	✓	✓	✓	✓	✓
	Outdoor unit address		✓	✓	✓	✓	✓	✓
	Power meter input name		✓	✓	✓	✓		
Zone	Name		✓	✓	✓	✓		✓
	Tally Classifications		✓	✓	✓	✓		
	Monthly report tenant name		✓	✓	✓	✓		

		Smart device control interface	BACnet interface	Smart BMS manage	Touch screen controller (CT128/256 series)	Touch screen controller (CT128/256 series)	Touch screen controller (10.3.0.0 later)	Touch screen controller
Indoor	I/F No	✓						
	LINE No		✓	✓	✓	✓	✓	✓
	Central Address				✓			
	Line Address	✓	✓	✓	✓	✓	✓	✓
	Indoor unit address	✓	✓	✓	✓	✓	✓	✓
	Header Indoor Unit No.	✓	✓	✓	✓	✓	✓	✓
	Indoor unit model name (Selection method)	Model name	Capacity model	Model name	Model name	Model name	Model name	Model name
	R.C.group / indoor name	✓	✓	✓	✓	✓	✓	
	Connected wired remote controller		✓	✓	✓	✓	✓	
	Floor name	✓	✓	✓	✓	✓	✓	✓
	Tenant name	✓	✓	✓	✓	✓	✓	
	Area name	✓	✓	✓	✓	✓	✓	
	Door-lock input name	✓	✓	✓	✓	✓	✓	
	Fire alarm input name	✓	✓	✓	✓	✓	✓	
	Turns OFF Input name		✓	✓	✓	✓	✓	
	Turns ON Input name		✓	✓	✓	✓	✓	
	Alarm Signal Output name		✓	✓	✓	✓	✓	
	Turn ON Status Signal Output name		✓	✓	✓	✓	✓	
	Leak Detection Signal Output name		✓	✓	✓	✓	✓	
	Power meter input name	✓	✓	✓	✓	✓	✓	
	General purpose Interface Power Coefficient (kWh)	✓	✓	✓	✓	✓	✓	
	Air Conditioner No.	✓	✓	✓	✓	✓	✓	✓

			Smart device control interface	BACnet interface	Smart BMS manage	Touch screen controller (CT128/256 series)	Touch screen controller (CT128/256 series)	Touch screen controller (CT128/256 series)(10.3.0.0 later)	Touch screen controller
Control Setting (communication)	Object	Object Type		✓					
		Event Transmit		✓					
		COV ON/OFF		✓					
		Event State		✓					
		Status Flags		✓					
		Limit Enable		✓					
		Event Priority		✓					
	Register Forein Device	IP address		✓					
		Subnet Mask		✓					
		Port Number		✓					
		Transmission interval(seconds)		✓					
Control Setting (Indoor unit)	Control Mode	Refrigerant Address		✓					
		Indoor unit Address		✓					
		Indoor unit Ref. Name		✓					
		[operation Mode control]		✓					
		[Setting Temperature]		✓					
		Louver		✓					
		[Fan Speed]		✓					
		Ventilation		✓					
		[Ventilation Fan Speed]		✓					
		[Ventilation Mode]		✓					

			Smart device control interface	BACnet interface	Smart BMS manage	Touch screen controller (CT128/256 series)	Touch screen controller (CT128/256 series)	Touch screen controller (CT128/256 series)(10.3.0.0 later)	Touch screen controller
Controll Setting (Indoor unit)	ATW Control Mode (*1)	Refrigerant Address		✓					
		Indoor unit Address		✓					
		Indoor unit Ref. Name		✓					
		[Operation Mode Control]		✓					
		Zone1 use		✓					
		Zone2 use		✓					
		Hot Water use		✓					
		[Zone1/2 temp mode]		✓					
		[Zone1 heating temp Setting]		✓					
		[Zone2 heating temp Setting]		✓					
		[Zone1 cooling temp Setting]		✓					
		[Zone2 cooling temp Setting]		✓					
		[Hot Water temp Setting]		✓					
		[Zone1 Control temp]		✓					
		[Zone2 Control temp]		✓					
		[Hot Water Control temp]		✓					
		[Option ON/OFF]		✓					
External unit	ON/OFF Display Input name			✓	✓				
	Alarm Display Input name			✓	✓				
	Turn ON/OFF Signal Output name			✓	✓				
	Interlocking for On/OFF Answerback Signal			✓	✓				
	External Unit name			✓	✓				
	Floor/Tenant/Area name			✓	✓				
	Door-lock input name			✓	✓				
	Fire alarm input name (* 1)			✓	✓				
	Turns OFF Input name			✓	✓				
	Turns ON Input name			✓	✓				
	Alarm Signal Output name			✓	✓				
	Turn ON Status Signal Output name			✓	✓				
	Power meter input name			✓	✓				
	External Unit Power Coefficient (kWh)			✓	✓				
	External Unit No.			✓	✓				
Demand	Indoor		✓	✓	✓	✓			
	Outdoor		✓	✓	✓				

(*1) Only Global

		Smart device control interface	BACnet interface	Smart BMS manage	Touch screen controller (CT128/256 series)	Touch screen controller (CT128/256 series) (10.3.0.0 later)	Touch screen controller
Output Template		✓	✓	✓	✓	✓	✓
(How to enter the model name in the template)		Model name	Model name	Model name	Model name	Model name/ Capacity model	Model name
Import		✓	✓	✓	✓	✓	✓
EDE File Output							
IP Address Search			✓				
Power Meter pulse Check Tool		✓		✓	✓		
Initializati on Tool	Full Backup	✓	✓	✓			✓
	System Initialization	✓	✓	✓	✓	✓	✓
	Restore	✓	✓	✓	✓	✓	✓
	Firmware update	✓	✓	✓	✓	✓	✓
	OS update						✓ *1
	Download						✓
	BACnet tool						✓
Data Convert		✓	✓	✓	✓	✓	

*1 Only BMS-IFBN1281U-

4 Operating environment

The operating environment of this software is as follows.

Item	Required environment
OS	Windows10, Windows11
Office System	Office 2013 or later

The run time library below is installed before installation of the “Setting file creation software 2” starts.

- Microsoft® .NET Framework 4.8
- Windows10, Windows11 is a trademark or registered trademark of Microsoft Corporation in the United States and other countries.
- Adobe, Adobe logo, Reader, Acrobat are trademarks or registered trademarks of Adobe Systems Inc. in the United States and other countries.
- Install Shield is a trademark or registered trademark of Flexera Software Inc. in the United States and other countries.
- All the company names and product names written in this manual are trademarks or registered trademarks of their respective owners. ® and © are trademarks and will not be shown in this manual.

4.1 PC, browser settings

Set your PC as shown below.

IP address/ subnet mask	Set the IP address/subnet mask so that the network is the same as the Central Control Device. (Example: Central Control Device 192.168.2.80/PC 192.168.2.90/subnet mask 255.255.255.0)
C drive	The software should be started with at least 500MB of free space and by a user who has read and write rights.

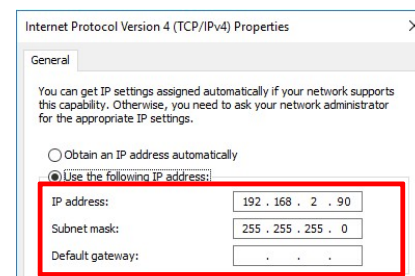
How to set the IP address of the PC

Display the properties of the network to be connected to the Central Control Device.

Tick the checkbox next to “Internet Protocol Version 4(TCP/IPv4)” and click the [Property] button.

Select “Use next IP address”, set the IP address to 192.168.2.*** and the subnet mask to 255.255.255.0, then click the [OK] button. *

* Enter an address different from that of the Central Control Device to be connected in “***”.



●Notice

If your system is configured to use a proxy server, exclude the IP address of the system controller.

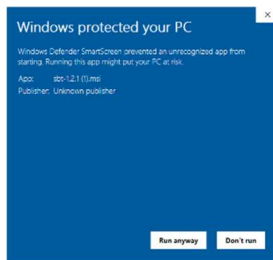
Installation procedure

Run [setup.exe] to set up the software. Setup starts when the file is executed.

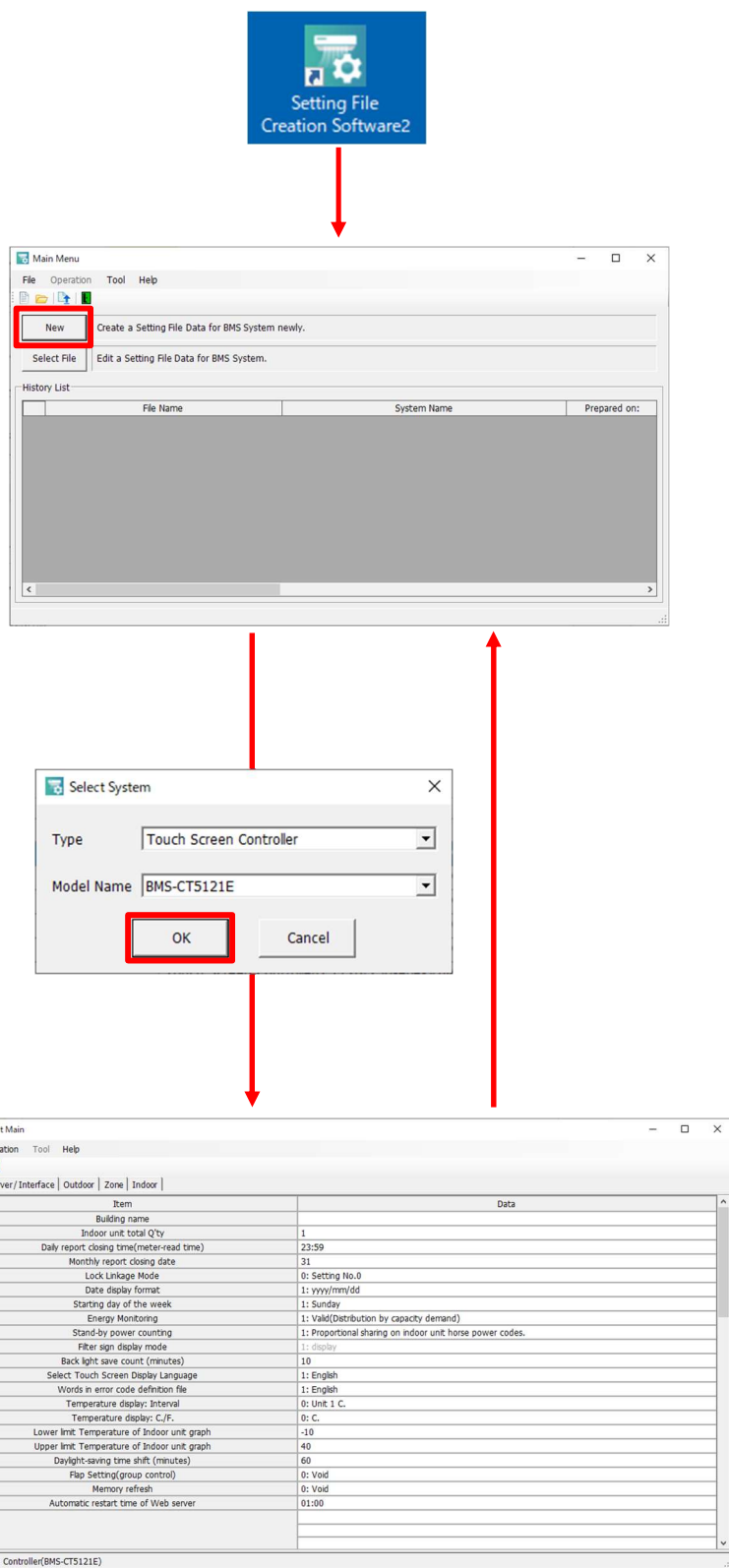


●Notice

If you see a blue screen like the one on the right when you run setup.exe for the first time, please refer to “Troubleshooting” on page 120.



5 Main screen of this software

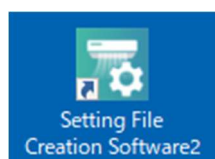


5.1 Startup procedure

There are 2 ways to start the “Setting file creation software 2” - by using the [desktop icon] or the [Windows menu].

(1) Start the “Setting file creation software 2”

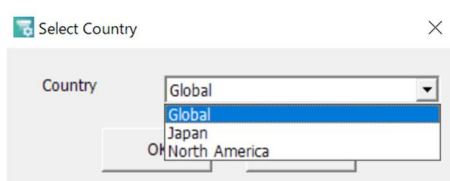
- Double click the desktop icon.



- From Windows menu

Select [AirConditioningSystem] → [Setting file creation software 2] from the [Start] menu.

In case of start for the first time, select the destination.

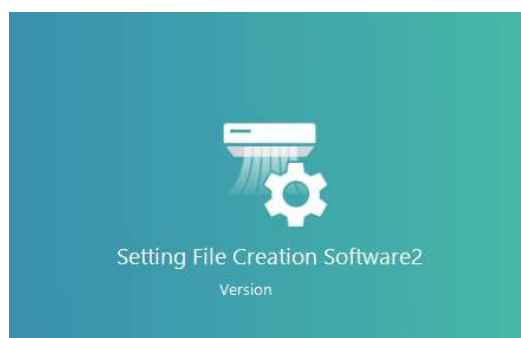


If you make a mistake in selecting the destination, close the app and delete the project.xml file in the following folder. After that restart the app.

C:\Users\<username>\AppData\Local\AirConditioningSystem\Setting File Creation Software2

(2) Startup window appears

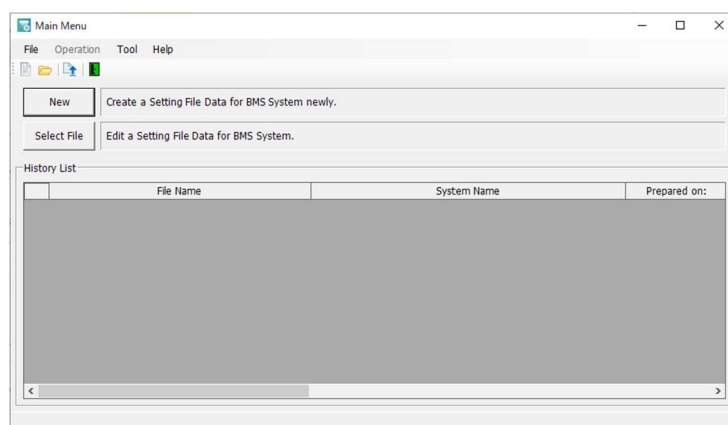
The startup window appears when you click the desktop icon or start the “Setting file creation software 2” from the Windows menu.



(3) “Setting file creation software 2” Main menu

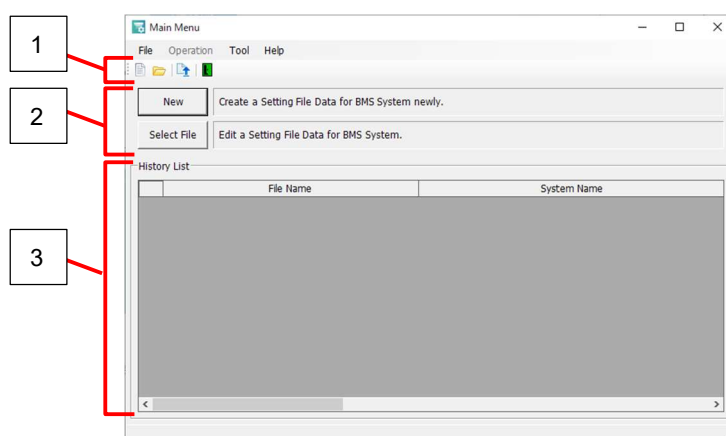
Startup of the “Setting file creation software 2” is completed when the startup window ends and the [Main Menu] screen appears.

Thereafter, the various functions will be enabled.



5.2 How to run the “Setting file creation software 2”

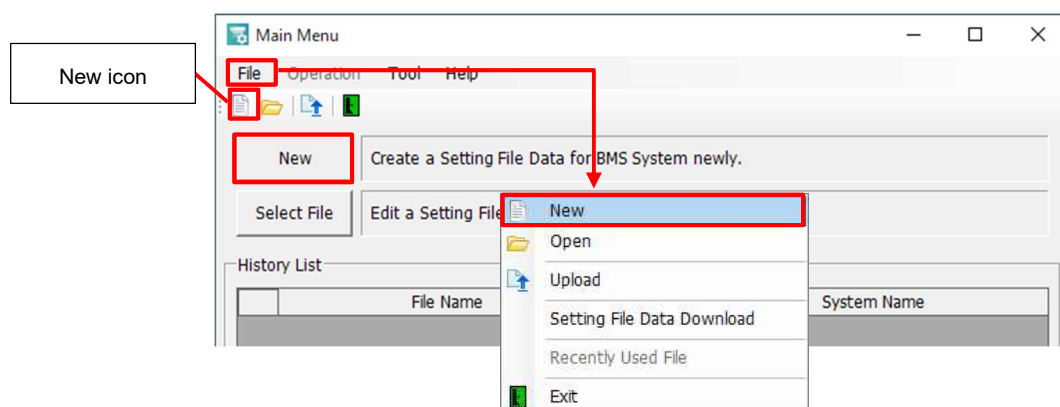
Description of [Main Menu] screen



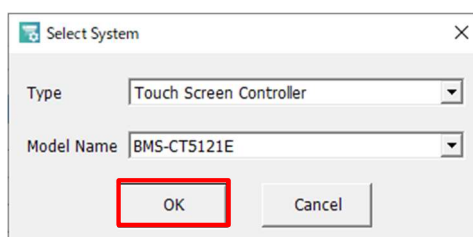
No.	Item	Contents	Remarks
1	Tool icon	Displays the following tool icons. •New •Open •Upload •Exit	
2	Setting file creation button	Displays the following buttons. •New •Select File	
3	History List	Displays a history of the setting file data created and edited in the past.	You can edit setting file data by double clicking it.

Create new data

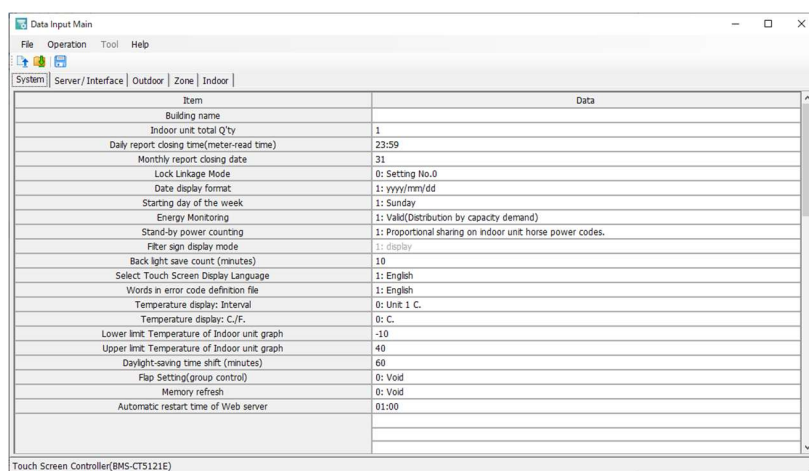
To create new setting file data, either click [File] → [New] under the file menu or click the [New] icon or [New] button.



After clicking [New] icon or button, the [Select System] window appears. Select the Type and Model Name and click the [OK] button.

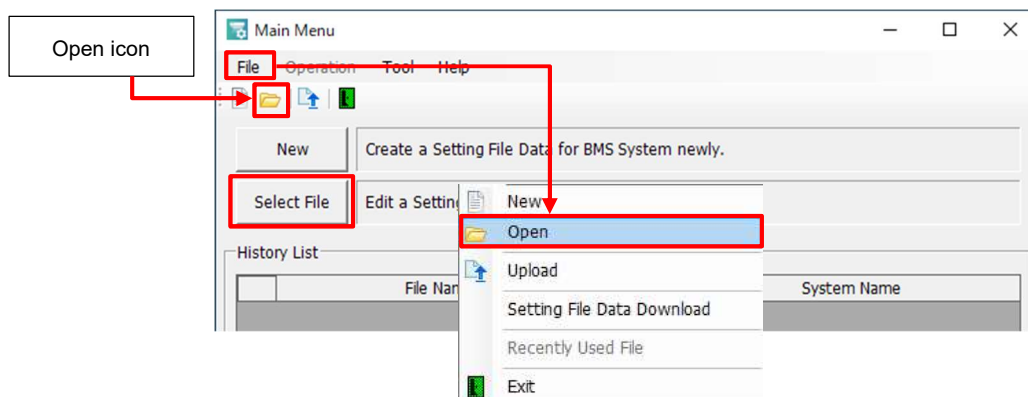


Display the [Data Input Main] screen for the Type and Model Name selected in the [Select System] window.

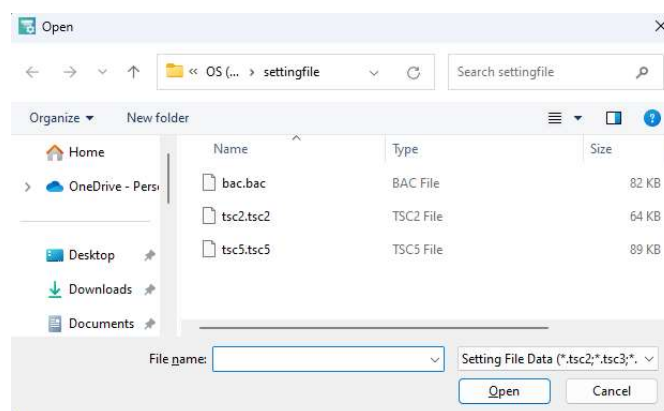


Edit existing data

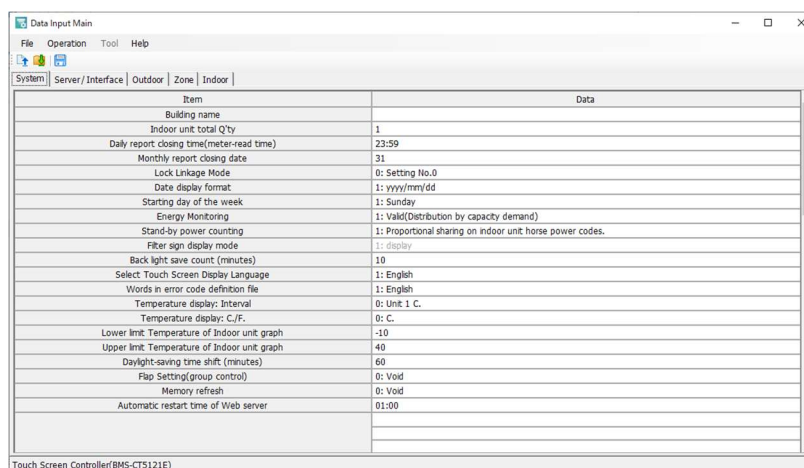
To edit setting file data created previously, either click [File] → [Open] under the file menu or click the [Open] icon or [Select File] button.



After clicking the icon or button, the file selection window appears. Select and open the setting file data you wish to edit.

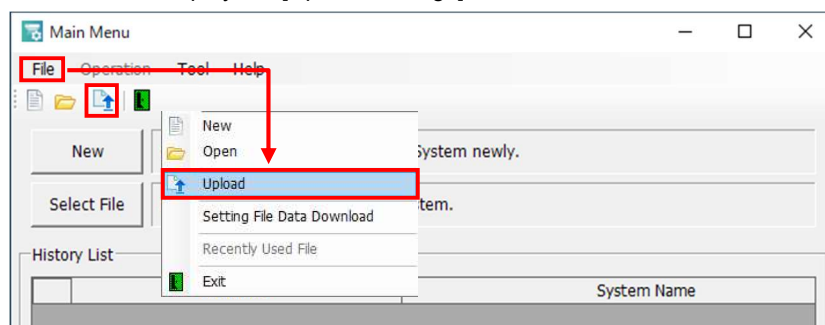


Displays the data input main window of the opened setting file data as it was previously edited.



Display the [Upload Settings] window from the [Main Menu] screen

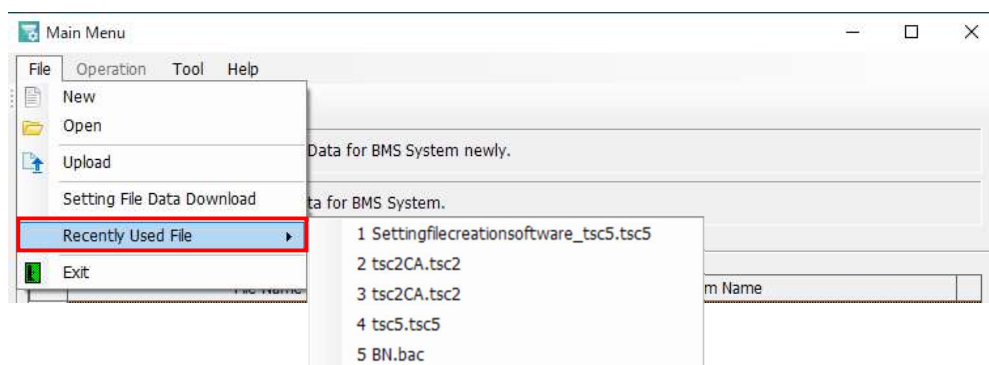
To upload the setting file into the Central Control Device, either click [File] → [Upload] under the file menu or click the [Upload] icon under the tool icon to display the [Upload Settings] window.



For further details of Uploading of setting file, see Page.57.

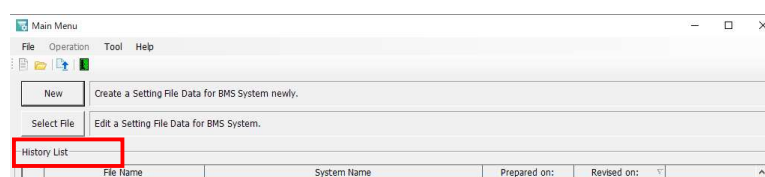
Open existing data from the history

To browse setting file data used recently from setting file data that was created or edited previously, browse the data by selecting [File] → [Recently Used File] under the file menu and click the file.



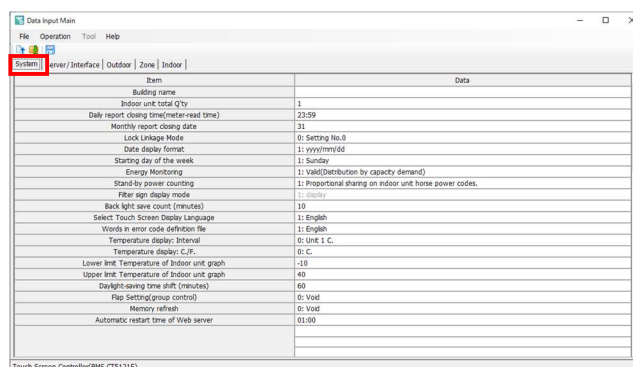
Up to 9 cases of new setting file data from the history are displayed.

Further history lists can be selected from the bottom of the main menu



5.3 [System] tab

The [System] tab makes various settings of the Central Control Device. You may not be able to set all the items depending on the model.



Item name	Contents	Remarks
Building name	Name of building to display in the controller	[Touch screen controller] Character string. Prohibited characters: (;) (.) Maximum 100 bytes. [Smart BMS manage] Character string. Prohibited characters: (<)(>)(")(&) (;) (.) Maximum 20 bytes. [BACnet interface] Character string. Prohibited characters: (<)(>)(")(&) (;) (.) Maximum 100 bytes. [Smart device control interface] Character string. Prohibited characters: (<)(>)(")(&) (;) (.) Maximum 100 bytes.
Indoor unit total Q'ty	Number of indoor units to connect to the controller	Up to the maximum number of units controlled by the controller
Daily report closing time (meter-read time)	Closing time of daily report data	
Monthly report closing date	Closing date of monthly report data	
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	Selecting Energy Monitoring and the distribution method	0: Void 1: Valid (Distribution by capacity demand)
Stand-by power or Basic Electric power counting	Selection of stand-by or Basic Electric power counting	1: Proportional sharing on indoor unit horse(Capacity) power codes. 2: Equal sharing on indoor units Q'ty 3: Distribute power consumption except compressor warmer or Basic Electric power to tenants.
Filter sign display mode	Display of filter sign	1: Display (fixed)
Back light save count (minutes)	Back light OFF time	

Item name	Contents	Remarks
Select Touch Screen Display Language	Selection of screen display language	1: English
Words in error code definition file	Selection of inspection code language	1: English
Temperature display: Interval	Selection of temperature interval	0: Unit 1 C. 1: Unit 0.5 C.
Temperature display: C./F.	Selection of Celsius/Fahrenheit	0: C. 1: F.
Lower limit Temperature of Indoor unit graph	Lower limit of indoor unit graph temperature	

Upper limit Temperature of Indoor unit graph	Upper limit of indoor unit graph temperature	
Dual Set point Schedule Valid/Void (Use only Touch screen controller (CT128/256 Series) Ver 10.1.*.* or later)	Dual Set Point setting	0: Void 1: Valid
Decimal Separator Setting .(Dot)/,(Comma) (Use only Touch screen controller (CT128/256 Series) Ver 10.1.*.* or later)	Decimal point setting of setting temperature	0: .(Dot) 1: ,(Comma)
Daylight-saving time shift (minutes)	Time shift when daylight-saving is set (minutes)	
Flap Setting (group control)	Select whether to synchronize the louver setting of the slave unit when setting the master and slave air conditioner	0: Void 1: Valid
Memory refresh	Select whether perform regular reboot as a countermeasure against memory leak	0: Void 1: Valid
Automatic restart time of Web server	Auto logoff time of Web	
Display Leak Detection Valid/Void	Select whether to show the inspection when coolant leaks from the coolant pipe	0: Void 1: Valid
Power peak cut condition	Select power peak cut condition	0: N/A 1: Energy threshold 2: Demand signal reception
Power measurement method	Select the power measurement method for the power peak cut	1: Measurement method 2: Presumption method
Display of system cooperation defrosting (layout display)	Layout display of system cooperation defrosting	0 : not display 1 : display
CONTACT Info.	Description of support information	[Touch screen controller] Character string. Prohibited characters: (;)(,) Maximum 114 bytes [Smart BMS manage] Character string. Prohibited characters: (<)(>)(")(&)(;)(,) Maximum 38 bytes.

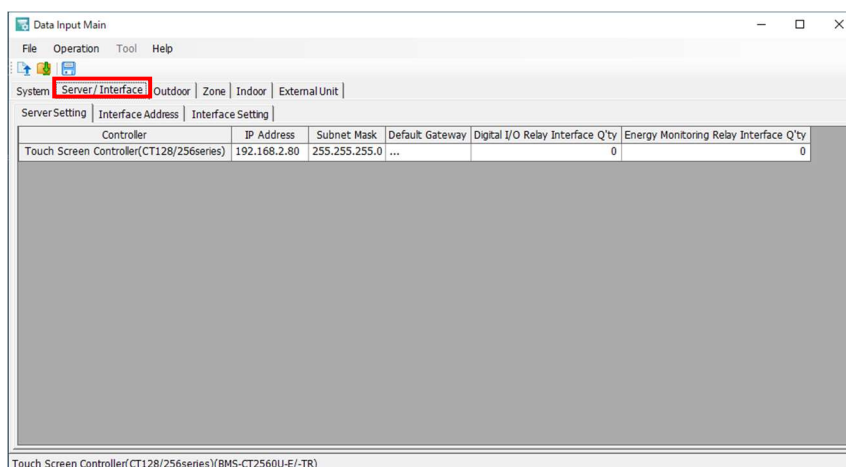
note>You may not be able to configure the setting depending on the model selected.

The operation in the Locking interlocking Mode is shown in the table below.

Setting	Lock (OFF → ON)	Lock (ON → OFF)
0: Setting No.0	Stop	No action
1: Setting No.1	Stop	Enable "ON/OFF" switching
2: Setting No.2	OFF + "ON/OFF" switching prohibited	Enable "ON/OFF" switching
3: Setting No.3	Stop	ON

5.4 [Server/Interface] tab

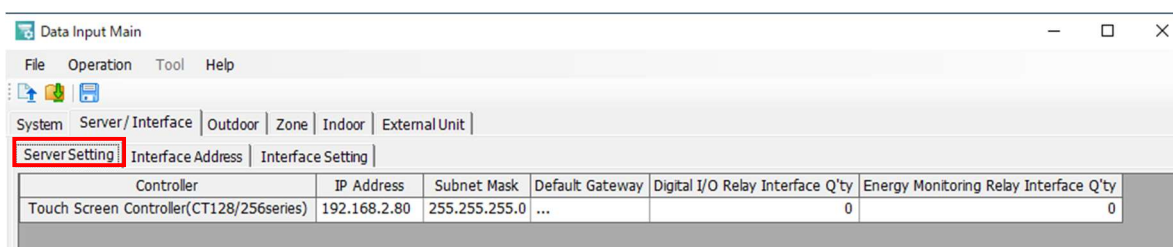
To set the server and interface of the Central Control Device, click the [Server/Interface] tab on the data input main screen.



Tab name	Contents	Remarks
Server Setting	Setting the server IP address Setting the no. of interface units	
Interface Address	Setting the interface address	
Interface Setting	Channel settings of interface	

[Server Setting] tab

The [Server Setting] tab is used to set the number of interface units connected to the Central Control Device.



Item name	Contents	Remarks
IP Address	Enter the IP address of the controller.	See Page.95 for details of the I/F See Page.113 for details of the Smart device control interface.
Subnet Mask	Enter the subnet mask when connecting to the controller.	
Default Gateway	Enter the default gateway when connecting to the controller.	
TCS-net Relay Interface Q'ty	Minimum 1 unit. Up to the maximum number of units controlled by the controller.	You may not be able to configure the setting depending on the model selected.
Digital I/O Relay Interface Q'ty	Up to the maximum number of units controlled by the controller.	You may not be able to configure the setting depending on the model selected.
Energy Monitoring Relay Interface Q'ty	Up to the maximum number of units controlled by the controller.	You may not be able to configure the setting depending on the model selected.

[Interface Address] tab

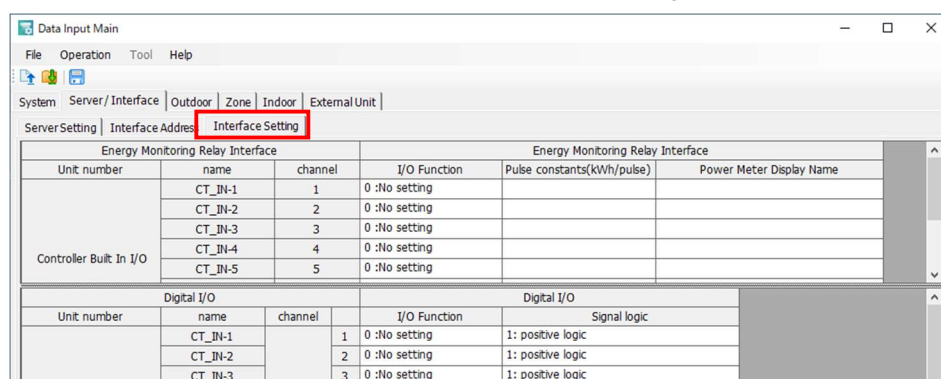
The [Interface Address] tab is used to set the address of the interface to connect to the Central Control Device.



Item	Contents	Remarks
TCS-net Relay Interface Q'ty	Minimum 1 unit. Up to the maximum number of units controlled by the controller Same address value cannot be entered	
Digital I/O Relay Interface Q'ty	Up to the maximum number of units controlled by the controller Same address value cannot be entered	
Energy Monitoring Relay Interface Q'ty	Up to the maximum number of units controlled by the controller Same address value cannot be entered	

[Interface Setting] tab

- Set each channel value of the connected interface in the [Interface Setting] tab.



Item	Contents	Remarks
Energy monitoring relay interface		
I/O Function	Selection of I/O function	0: No setting 4: Power Meter Signal Input
Pulse constants (kWh/pulse)	Setting the pulse constant	【for BMS-CT2560U-E/-TR/-UL】 0.001~100.000 【Other models】 0.1~99.9
Power Meter Display Name	Name to display in the power graph screen.	Character string. Prohibited characters: (;)(,) Maximum 100 bytes.

Item	Contents	Remarks
Digital input/output interface		
I/O Function	Selection of I/O function (input)	0: No setting 1: Turn OFF Input 2: Turn ON Input 3: Door Lock Input 4: Fire Alarm Input (*1) 5: Demand ([Demand] tab appears when 1 or more is set.) 10: ON/OFF Display Input for Digital I/O Unit 11: Alarm Display Input for Digital I/O Unit
	Selection of I/O function (output)	0: No setting 1: Indoor/Outdoor Unit Alarm Signal Output 2: Turn ON Status Signal Output 3: Controller Alarm Signal Output (*2) 5: Leak Detection Signal Output 10: Turn ON/OFF Signal Output for Digital I/O Unit
Signal logic	Selection of signal logic	From ON to OFF (b contact) From OFF to ON (a contact)

(*1) Only Global

(* 2)Controller Alarm is alarm that indicates an abnormality in the system controller detected by the system controller.

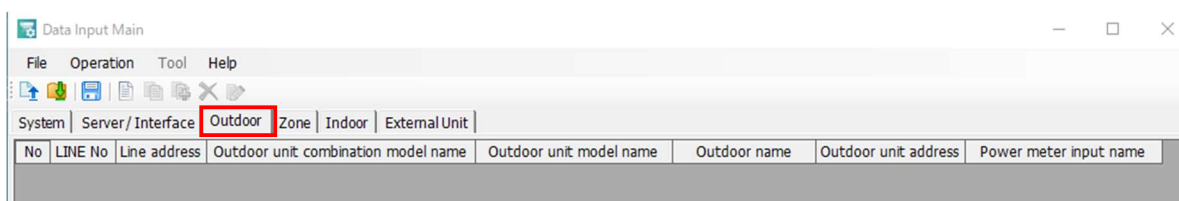
This alarm starts with S except S01.

※You may not be able to configure the setting depending on region or model selected.

※For details on "Energy monitoring relay interface", "Digital input/output interface", please refer to the Installation Manual for each product. (Refer to Page.94 when connecting to "Touch screen controller (CT128/256 series)")

5.5 [Outdoor] tab

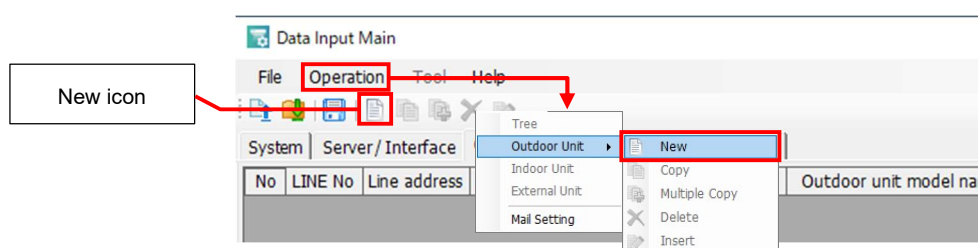
The [Outdoor] tab is used to set the outdoor unit connected to the Central Control Device.



Item	Contents	Remarks
(I/F) No	Select address of (I/F) No	The setting differs depending on the model selected.
Line address	Coolant system no. of outdoor unit	Varies according to the outdoor unit connected.
Outdoor unit combination model name	Select from outdoor unit model	
Outdoor unit model name	Auto input from outdoor unit model	
Outdoor name	System name of outdoor unit	[Touch screen controller] Character string. Prohibited characters: (:)(,) Maximum 100 bytes. [Smart BMS manage] Character string. Prohibited characters: (<)(>)(")(&)(;)(,) Maximum 20 bytes. [BACnet interface] Character string. Prohibited characters: (<)(>)(")(&)") Maximum 100 bytes.
Outdoor unit address	Outdoor unit no.	Fix
Power meter input name	Selection of wattmeter input name	You can select the power meter set in the [Server/Interface] tab.

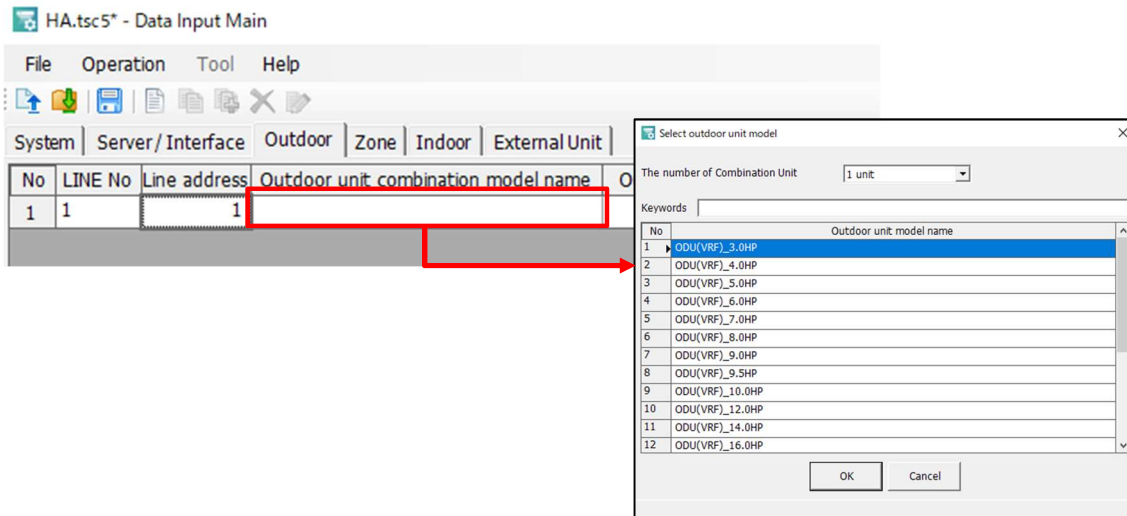
Add an outdoor unit

To add an outdoor unit, either click [Operation] → [Outdoor Unit] → [New] under the file menu or click the [New] icon under the tool icon.



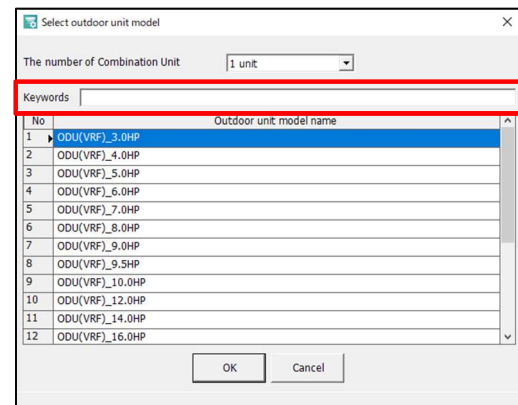
Select an outdoor unit

Click the [Outdoor unit combination model name] cell, [Outdoor unit model selection] window is displayed.



For BMS-CT2560U-E/-TR/-UL (Ver.10.3.0.0 or later)

Select [The number of Combination Unit] and [Outdoor unit model name] from [Select outdoor unit model] window. If there is no corresponding (HP or ton) model, select closest value model in the list.

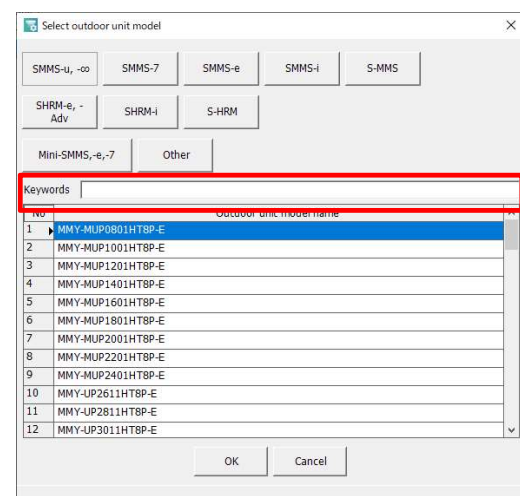


For models other than BMS-CT2560U-E/-TR/-UL(Ver10.3.0.0 or later)

Select [Outdoor unit model name] from [Select outdoor unit model] window.

If the model of the outdoor unit you want to select does not exist, you can add it.

For details, refer to "Editing a model file" on page 79.

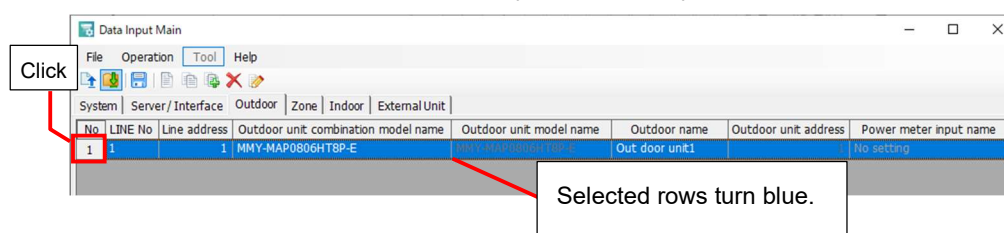


●Notice

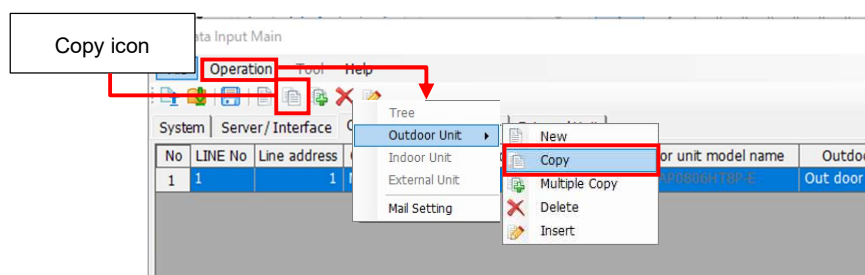
[Select outdoor unit model] window has a keyword field. You can search for partial matches by entering the any keyword of the Outdoor unit to be connected.

Copy outdoor unit

To copy an outdoor unit, click the [No.] of the outdoor unit you wish to copy to select the row.

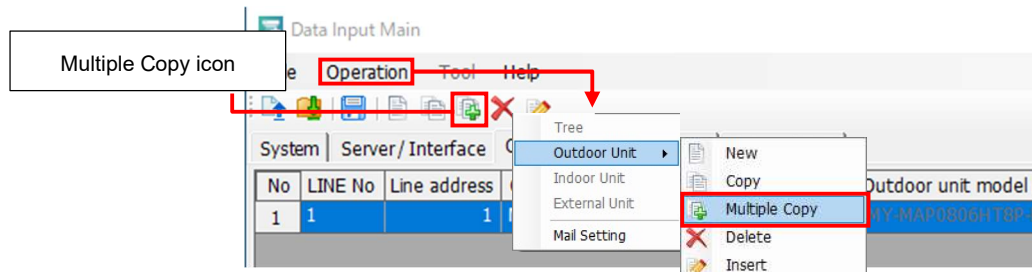


After that, click [Operation] → [Outdoor Unit] → [Copy] under the file menu, or click the [Copy] icon under the tool icon. The system address of the copied outdoor unit will automatically change by “+1”.

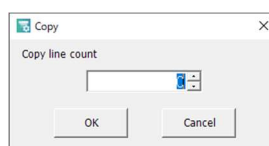


Copy multiple outdoor units

To copy multiple outdoor units, click the [No.] of all the outdoor units you wish to copy to select all the rows. After that, click [Operation] → [Outdoor Unit] → [Multiple Copy] under the file menu, or click the [Multiple Copy] icon under the tool icon to display the “Copy” window.

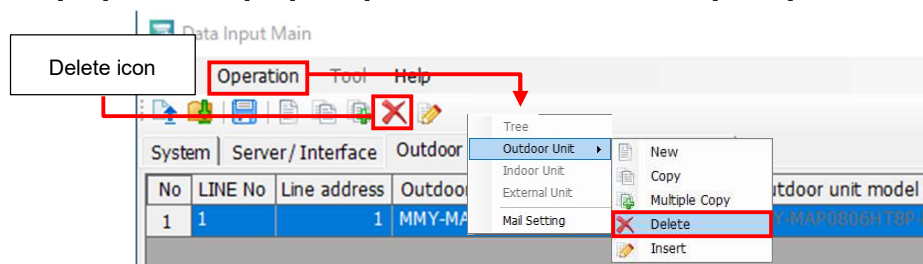


Input the number of copies in the [Copy] window and click the [OK] button.

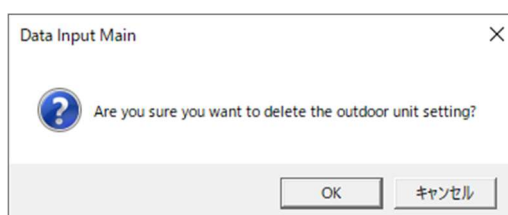


Deletion of outdoor unit

To delete an outdoor unit, click the [No.] of the outdoor unit you wish to delete to select the row. After selecting, either click [Operation] → [Outdoor Unit] → [Delete] under the file menu or click the [Delete] icon under the tool icon.

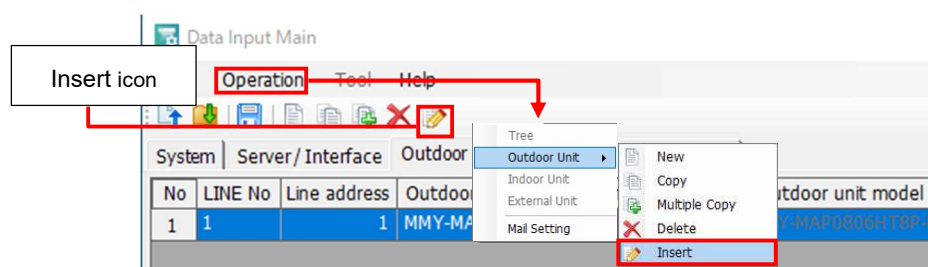


After clicking, a popup window to confirm the deletion appears. After clicking the [OK] button, delete the selected outdoor unit.



Insert an outdoor unit

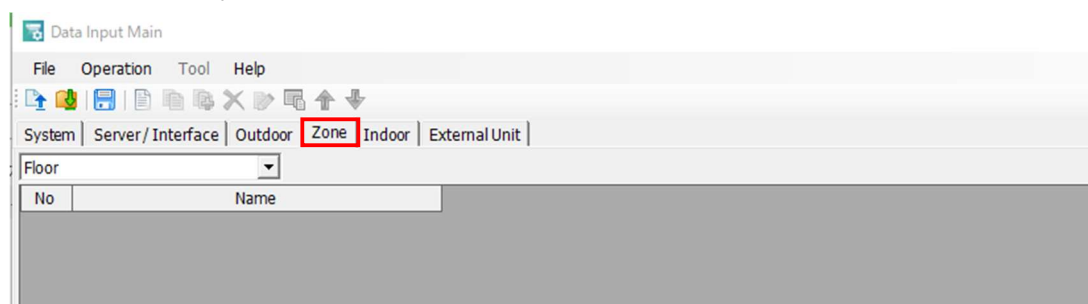
To insert an outdoor unit, select an outdoor unit. After selecting, either click [Operation] → [Outdoor Unit] → [Insert] or click the [Insert] icon under the tool icon.



After clicking, insert the unit on top of the row of the selected outdoor unit.

5.6 [Zone] tab

Set the Floor, Tenant, Monthly report tenant, and name of each Area where the indoor unit is installed.



Screen item	Contents	Remarks
No.	Zone number	Zone number influences the display order on the controller side. A number used in a number in the past will not be issued even if a new zone is added.
Name	Zone name	[Touch screen controller] Character string. Prohibited characters: (;)(,) Maximum 100 bytes. [Smart BMS manage] Character string. Prohibited characters: (<)(>)(")(&)(;)(,) Maximum 20 bytes (tenant name: maximum 40 bytes, Monthly report tenant: maximum 100 bytes) [BACnet interface] Character string. Prohibited characters: (<)(>)(")(&)(') Maximum 100 bytes.
Tally Classifications	Selection of tally classification	0 : Out of target 1: Common use area 2: Tenant
Monthly report tenant name	Selection of monthly report tenant name	Only tenant can be set. Tenant and name setting displayed in the energy report software.

About Tally classification

The tally classification is related to the tally target and display order of the Monthly report, Daily report and Duration report shown in the ENR and ENR2. The items that can be set are as shown below.

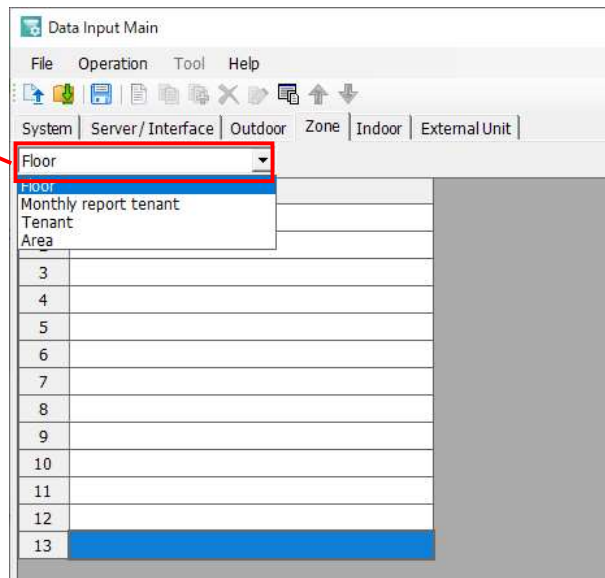
Item	Description
Out of target	Out of the tally target of each report.
Common use area	Displays the property set for the tenant first in sequence by name. After that, the property set for the shared range is shown in sequence by name.
Tenant	

Refer to the energy report software owner's manual or report creation software owner's manual for the details of the report displayed.

Select zone

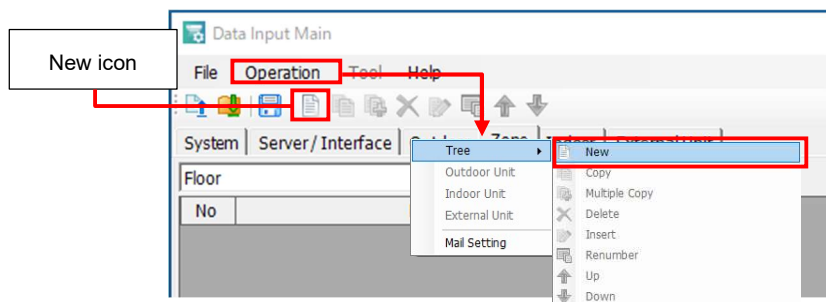
After moving to the [Zone] tab, the display changes to the floor setting window. To set the Tenant, Monthly report tenant and Area, select the zone you wish to set from the zone menu of the screen.

The zone displayed in the individual boxes can be set.



Add zone

To add zone, either click [Operation] → [Tree] → [New] under the file menu or click the [New] icon under the tool icon.

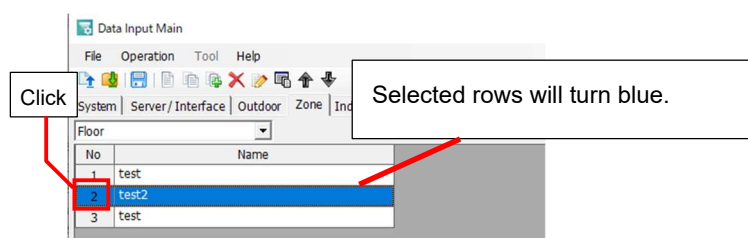


If a number has been used once and deleted, the number will not be used again. To use the number, renumber it again.

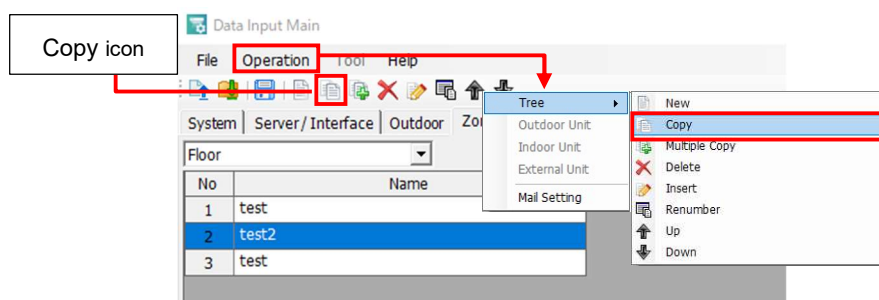
For further details, see Page.37.

Copy a Zone

To copy a Zone, click the [No.] of the Zone you wish to copy to select the row.

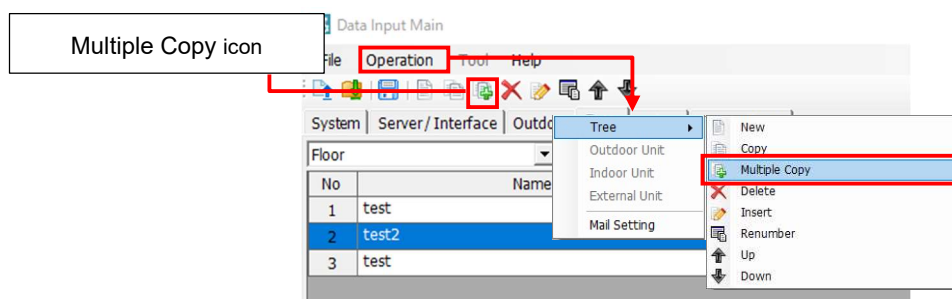


After that, click [Operation] → [Tree] → [Copy] under the file menu, or click the [Copy] icon under the tool icon. The name of the copied Zone will automatically change by “+1”.

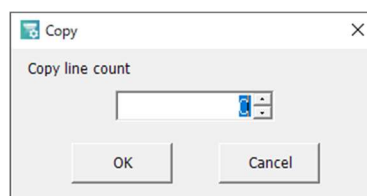


Copy multiple Zones

To copy multiple Zones, click the [No.] of the Zones you wish to copy to select all the rows. After that, click [Operation] → [Tree] → [Multiple Copy] under the file menu, or click the [Multiple Copy] under the tool icon to display the “Copy” window.

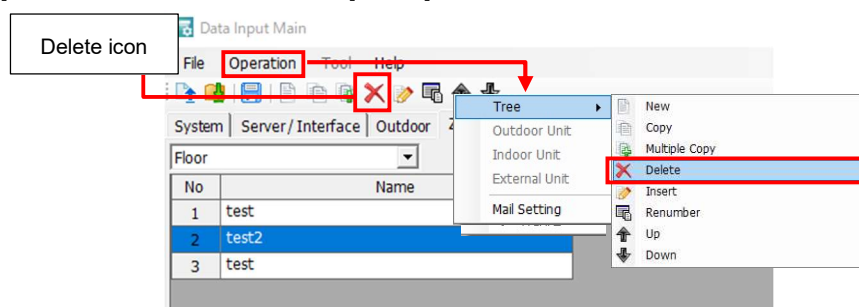


Input the number of copies in the [Copy] window and click the [OK] button.

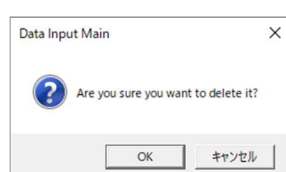


Deletion of Zone

To delete Zone, click the [No.] of the Zone you wish to delete to select the row. After selecting, either click [Operation] → [Tree] → [Delete] under the file menu or click the [Delete] icon under the tool icon.

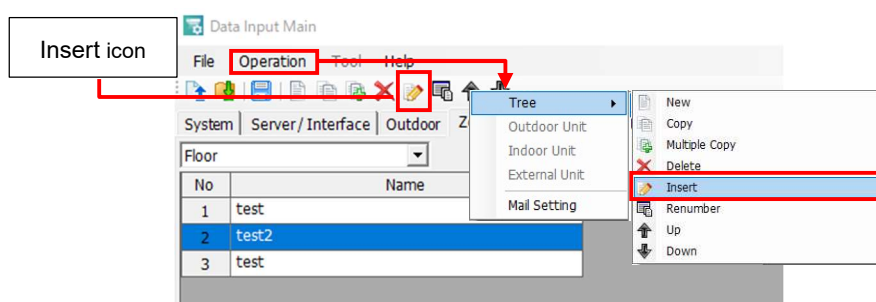


After clicking, a popup window to confirm the deletion appears. After clicking the [OK] button, the selected Zone will be deleted.



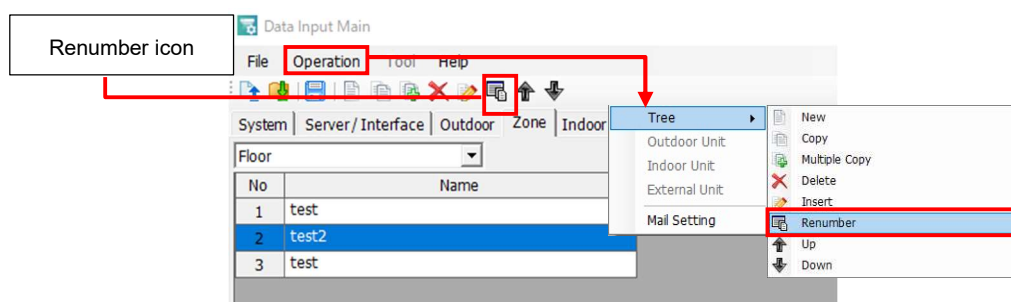
Insert a Zone

To insert a Zone, select a Zone. After selecting, either click [Operation] → [Tree] → [Insert] under the file menu or click the [Insert] button under the tool icon. After clicking, insert a Zone on top of the row of the selected a Zone.

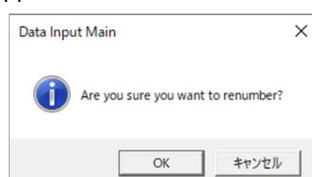


Issue a Zone number

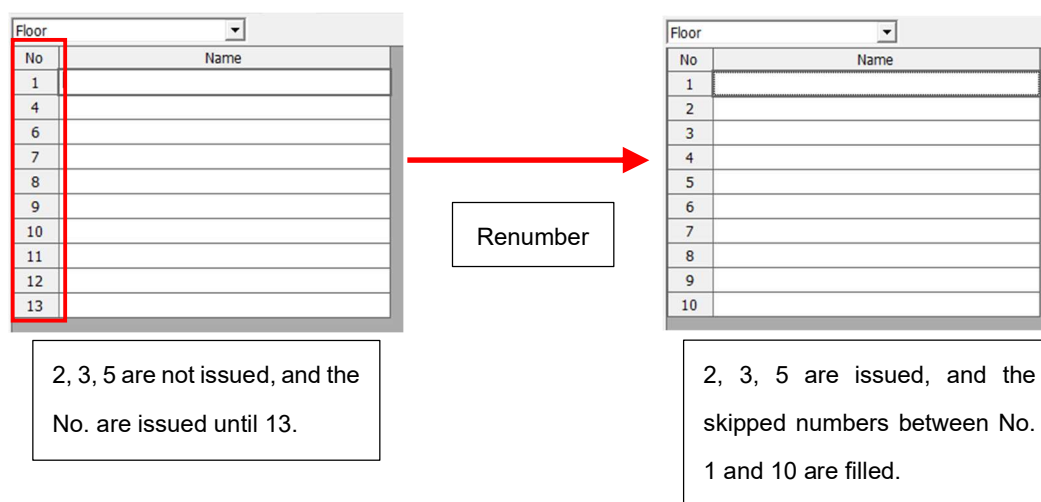
To issue a number used in the past, either click [Operation] → [Tree] → [Renumber] under the file menu or click the [Renumber] icon under the tool icon.



After clicking, a confirmation popup window appears.

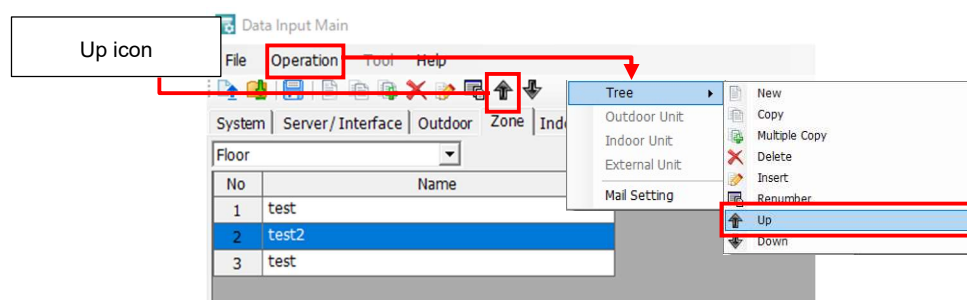


(Example) When No. 2, 3, 5 have been used in the past and the Zone number after [Renumber]



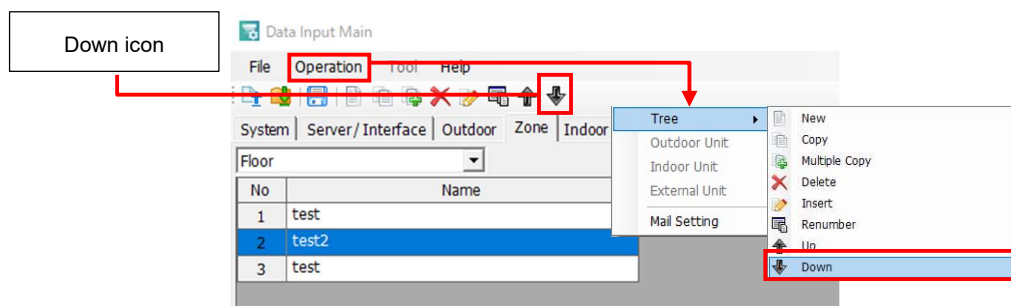
Move a Zone one line up

To move a Zone one line up, after selecting the row, either click [Operation] → [Tree] → [Up] under the file menu or click the [Up] icon under the tool icon.



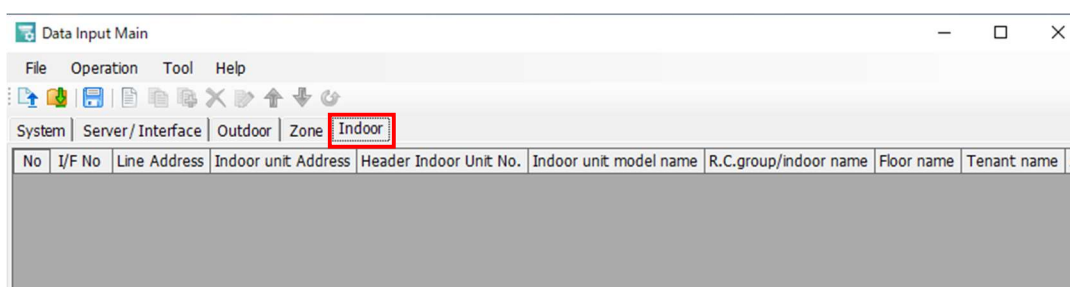
Move a Zone one line down

To move a Zone one line down, after selecting the row, either click [Operation] → [Tree] → [Down] under the file menu or click the [Down] icon under the tool icon.



5.7 [Indoor] tab

The [Indoor] tab is used to set the indoor unit connected to the Central Control Device.



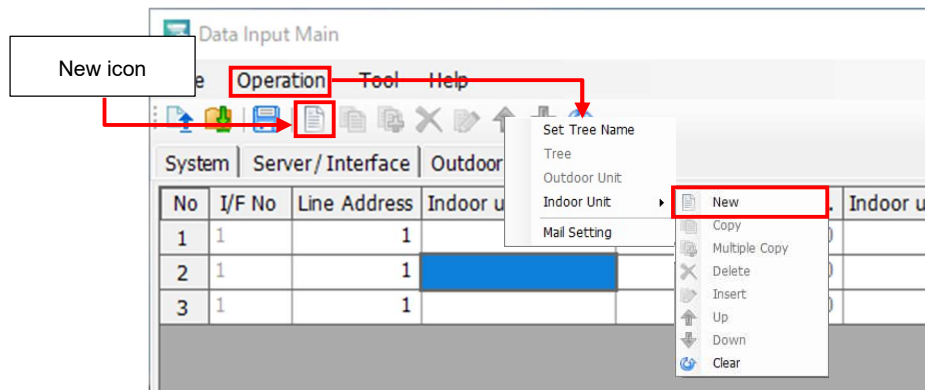
Screen item	Contents	Remarks
No	Indoor unit number	
I/F No	Select address of I/F	
Central Address	Central Address of Indoor unit.	
Line Address	Coolant system no. of indoor unit	
Indoor unit Address	Indoor unit no.	
Header Indoor Unit No.	Identification no. of master unit, slave unit	To set the indoor unit as the slave unit, input the [No(Indoor unit number)] of the Header Indoor Unit.
Indoor unit model name	Select from indoor unit model	Click a cell to display the [Select indoor unit model] window.
R.C. group/indoor name	System name of indoor unit	[Touch screen controller] Character string (prohibited characters: (;)(,) maximum 100 bytes) [Smart BMS manage] Character string (prohibited characters: (<)(>)(")(&)(:)(.) maximum 20 bytes) [BACnet interface] Character string (prohibited characters: (<)(>)(")(&)(') maximum 100 bytes)
Connected wired remote controller	Selection of wired remote controller to connect to the indoor unit	No wired remote controller Not compatible with the new TU2C-Link Compatible with the new TU2C-Link
Floor name	Selection of floor	No setting List of floor names
Tenant name	Selection of tenant	No setting List of tenant names
Area name	Selection of area	No setting List of area names

Screen item	Contents	Remarks
Door-lock input name	When the set digital input channel is turned ON or OFF, the applicable indoor unit is interlocked.	Only channels set to [3: Door Lock Input] can be selected as an input channel. The interlock operation set in the [Door-lock input name] item under the [System] tab is performed.
Fire alarm input name (*1)	When the set digital input channel is turned ON or OFF, the applicable indoor unit is stopped or restored when there is a disaster.	Only channels set to [4: Fire Alarm Input] can be selected as an input channel.
Turns OFF Input name	When the set digital input channel is turned ON, the applicable indoor unit stops.	Only channels set to [1: Turn OFF Input] can be selected as an input channel.
Turns ON Input name	When the set digital input channel is turned ON or OFF, the applicable indoor unit is turned ON.	Only channels set to [2: Turn ON Input] can be selected as an input channel.
Alarm Signal Output name	When an inspection code is activated in the applicable indoor unit set, the set digital output channel turns ON.	Only channels set to [1: Indoor/Outdoor Unit Alarm Signal Output] can be selected as an output channel.
Turn ON Status Signal Output name	When the applicable indoor unit set is turned ON, the set digital output channel turns ON.	Only channels set to [2: Turn ON Status Signal Output] can be selected as an output channel.
Leak Detection Signal Output name	When the coolant leaks in the applicable indoor unit set, the set digital output channel turns ON.	Only channels set to [5: Leak Detection Signal Output] can be selected as an output channel. *Coolant leaks may not be detected by the indoor unit.
Power meter input name	Selection of wattmeter input name.	You can select the power meter set in the [Server/Interface] tab.
General purpose Interface Power Coefficient (kWh)	General purpose device IF power coefficient.	If a general purpose device IF is selected in the "Select indoor unit model" window, input the power consumption of the general purpose device IF.
Air Conditioner Number	Air Conditioner Number.	

(*1) Only Global

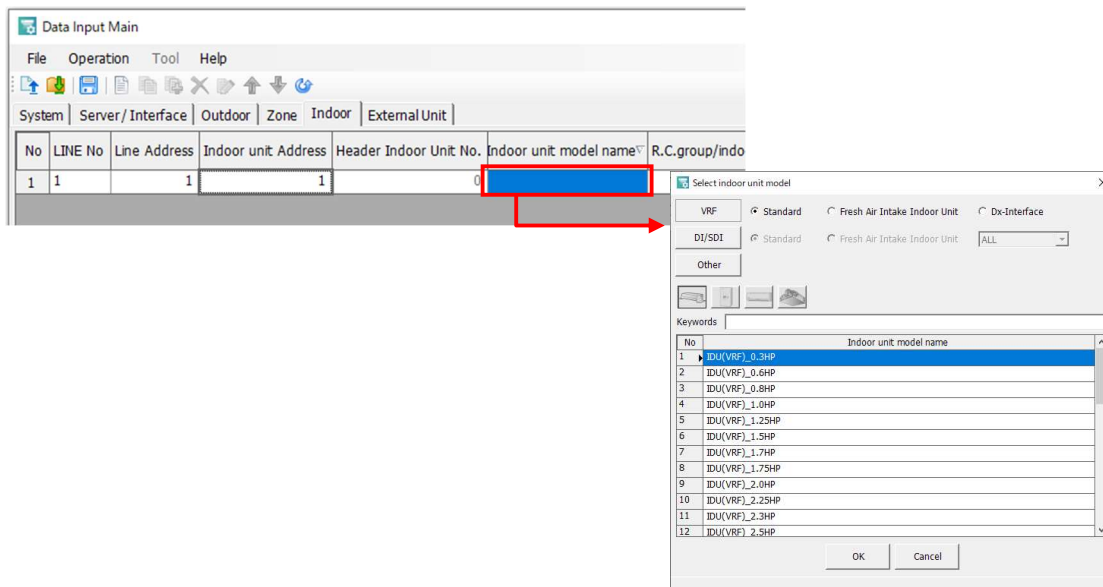
Add an indoor unit

To add an indoor unit, either click [Operation] → [Indoor Unit] → [New] under the file menu or click the [New] icon under the tool icon.



Indoor unit selection method

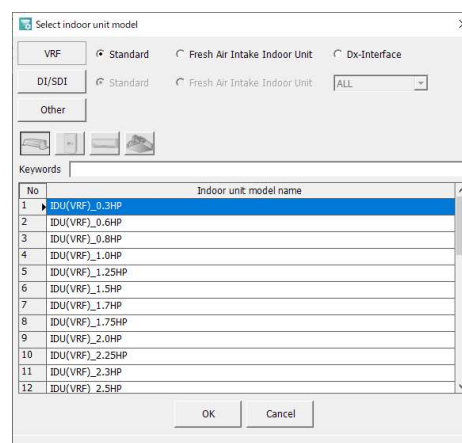
Click the "indoor unit model name" cell of the added indoor unit to display the window.



For BMS-CT2560U-E/-TR/-UL (Ver.10.3.0.0 or later)

Add Indoor unit type and Indoor unit capacity model to be registered from the [Select indoor unit model] window.

If there is no applicable Indoor unit capacity model, please select the Indoor unit capacity model with a similar value.

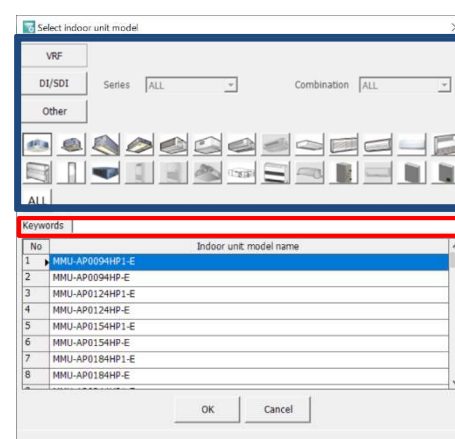


For models other than BMS-CT2560U-E/-TR/-UL (Ver.10.3.0.0 or later)

Select the Indoor unit to connect. If you want to change the type or series, please select each from the blue frame.

If the model of the indoor unit you want to select does not exist, you can add it.

For details, refer to "Editing a model file" on page 79.



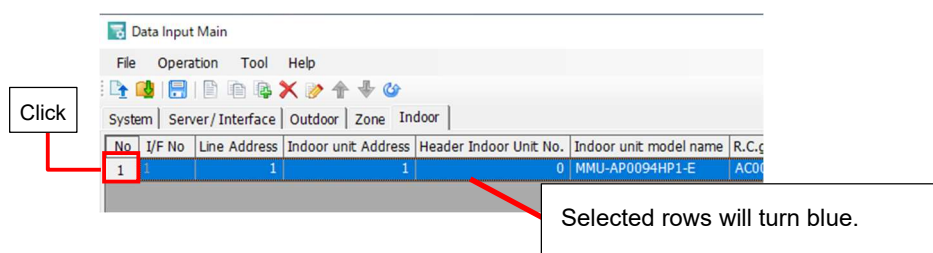
●Notice

[Select indoor unit model] window has a keyword field. You can search for partial matches by entering the any number or model name of the Outdoor unit to be connected.

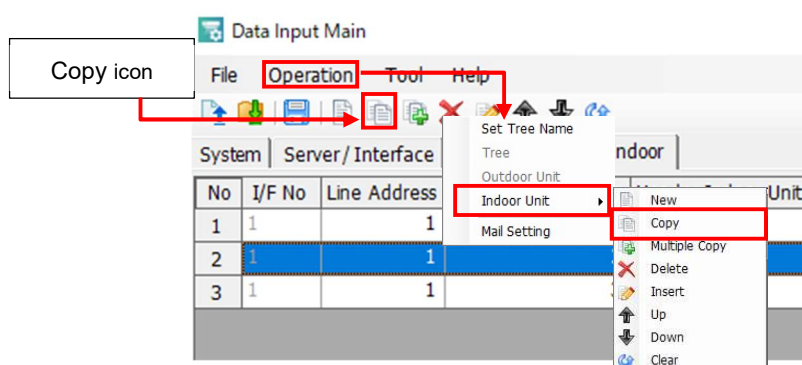
You can also search for models in the same type (VRF, DI/SDI ,Other) by selecting the ALL icon.

Copy indoor unit

To copy an indoor unit, click the [No.] of the indoor unit you wish to copy to select the row.

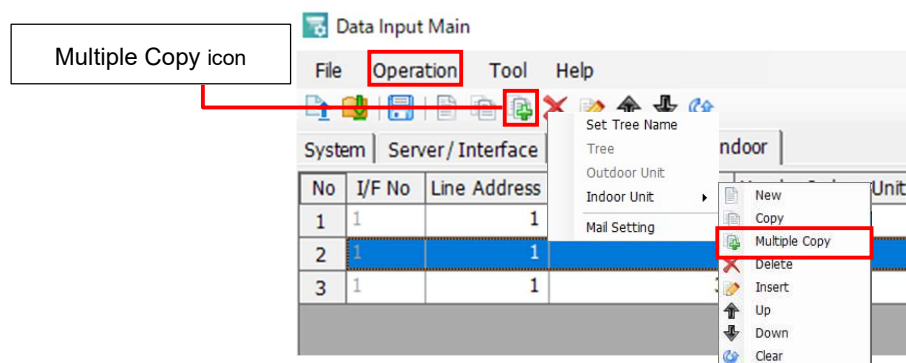


After that, click [Operation] → [Indoor Unit] → [Copy] under the file menu, or click the [Copy] icon under the tool icon. The indoor unit address of the copied indoor unit will automatically change by "+1".

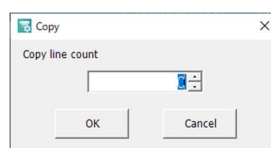


Copy multiple indoor units

To copy multiple indoor units, click the [No.] of all the indoor units you wish to copy to select the rows. After that, click [Operation] → [Indoor Unit] → [Multiple Copy] under the file menu, or click the [Multiple Copy] icon under the tool icon to display the [Copy] window.

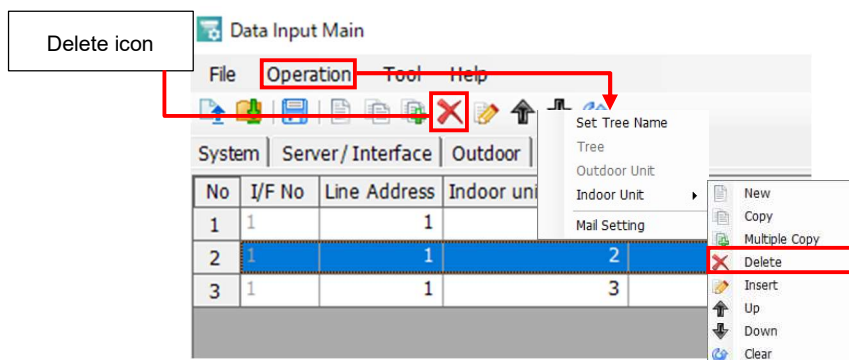


Input the number of copies in the [Copy] window and click the [OK] button.

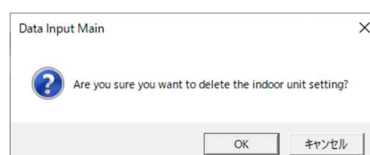


Delete an indoor unit

To delete an indoor unit, click the [No.] of the indoor unit you wish to delete to select the row. After selecting, either click [Operation] → [Indoor Unit] → [Delete] under the file menu or click the [Delete] icon under the tool icon.

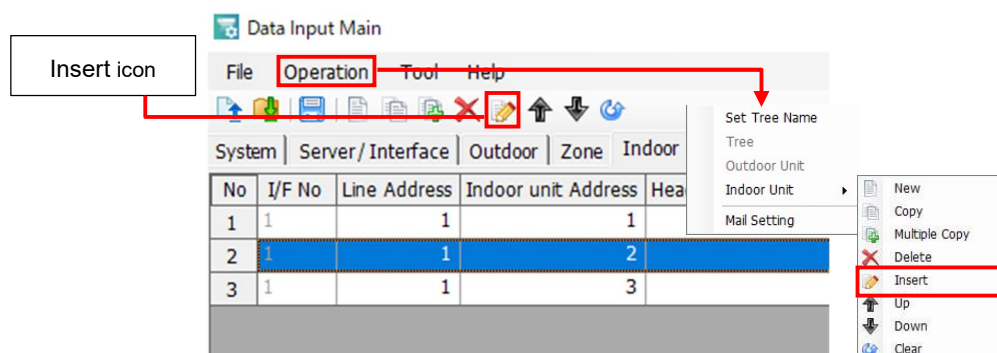


After clicking, a popup window to confirm the deletion appears. After clicking the [OK] button, the selected indoor unit is deleted.



Insert an indoor unit

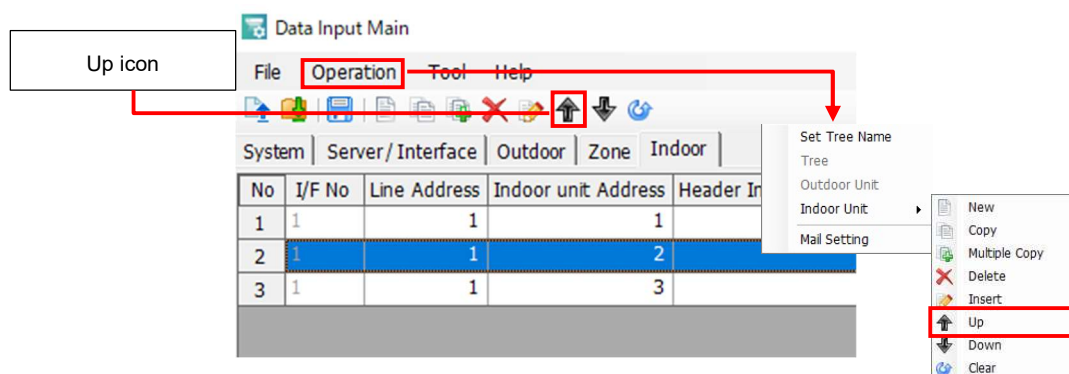
To insert an indoor unit, select an indoor unit. After selecting, either click [Operation] → [Indoor Unit] → [Insert] or click the [Insert] icon under the tool icon.



After clicking, insert the unit on top of the row of the selected indoor unit.

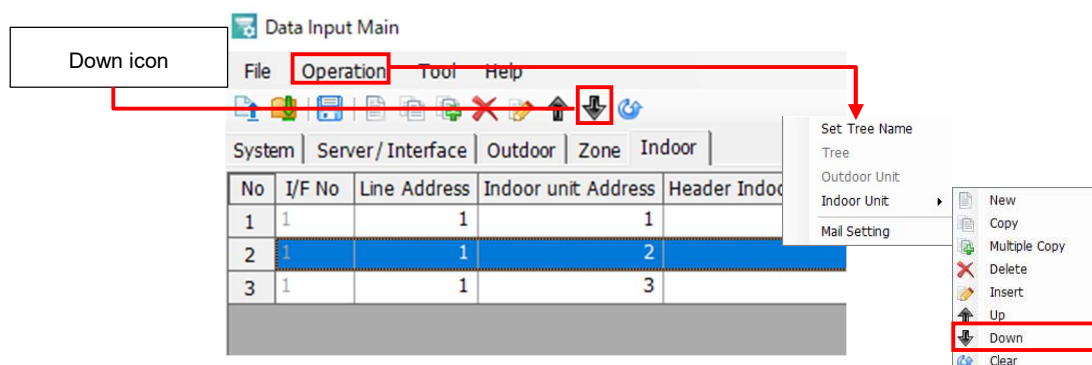
Move an indoor unit one line up

To move an indoor unit one line up, select an indoor unit and either click [Operation] → [Indoor Unit] → [Up] under the file menu, or click the [Up] icon under the tool icon.



Move an indoor unit one line down

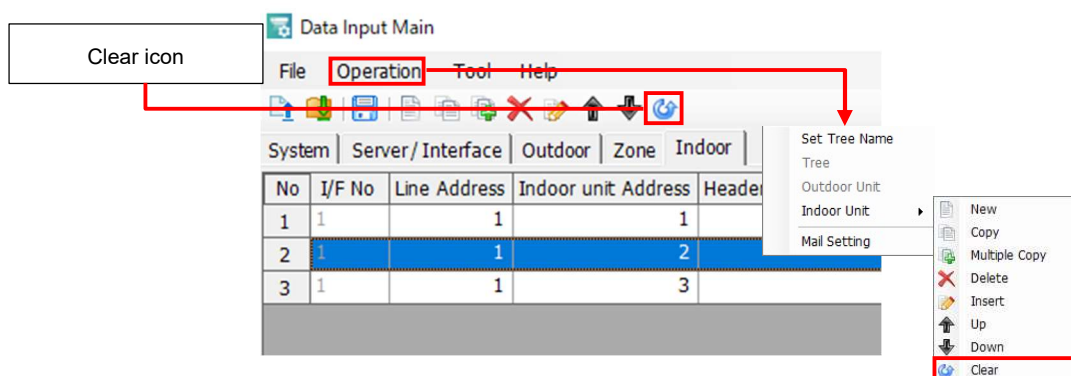
To move an indoor unit one line down, select an indoor unit and either click [Operation] → [Indoor Unit] → [Down] under the file menu, or click the [Down] icon under the tool icon.



Clear all Air Conditioner numbers

To set all the air conditioner numbers to 0, either click [Operation] → [Indoor Unit] → [Clear] under the file menu or click the [Clear] icon under the tool icon. After clicking, all the air conditioner numbers set in each indoor unit will become 0. ※

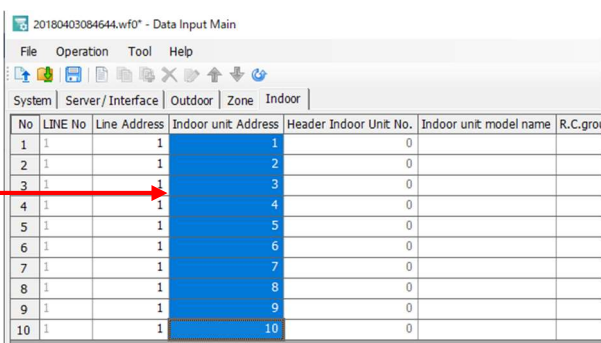
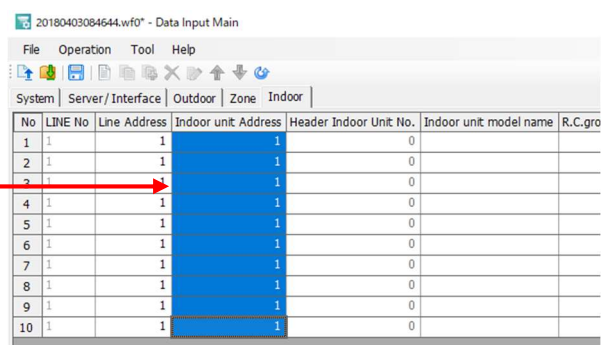
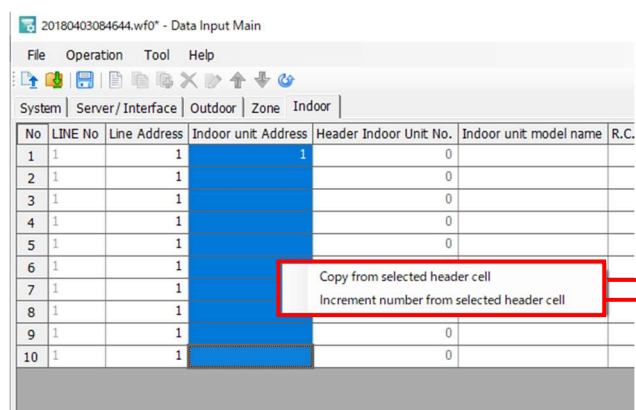
※When the air conditioner number is cleared in the setting file data of a property where power apportionment is implemented, the calculation of the power apportionment may not be carried out correctly.



Copy or Increment from selected header cell

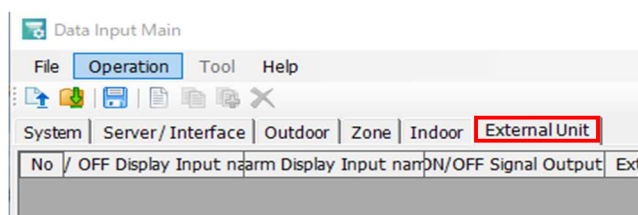
On the [Indoor Unit] tab, you can copy or increment* from the selected header cell by selecting a range of each item and right clicking.

* Value increases by +1 from the selected header cell.



5.8 [External Unit] tab

Lighting and other external units can also be operated by setting the digital input/output. To set an external unit, configure the setting with the [External Unit] tab. You may not be able to configure the setting depending on the model selected.



Item	Contents	Remarks
No		
ON/OFF Display Input name (*1)	Channel whose input is set to monitor the operation of an external unit	External unit operation is ON when channel is ON External unit operation is OFF when channel is OFF
Alarm Display Input name (*1)	Channel whose input is set to monitor the alarm of an external unit	Alarm of external unit is ON when channel is ON Alarm of external unit is OFF when channel is OFF
Turn ON/OFF Signal Output name (*1)	Channel whose output is set to the operating output of an external unit	Send ON command to external unit when channel is ON (*2) Send OFF command to external unit when channel is OFF (*2)
Interlocking for ON/OFF Answerback Signal	Interlocking for ON/OFF Answerback signal of the connected external unit	For details, refer to Page.92 Interlocking for ON/OFF Answerback Signal of External Unit.
External Unit name	Name of external unit	
Floor name	Selection of floor	
Tenant name	Selection of tenant	
Area name	Selection of area	
Door-lock input name	Channel whose input is set to lock	Lock is ON when channel is ON Lock is OFF when channel is OFF
Fire alarm input name (*3)	Channel whose input is set to fire alarm	Fire alarm is ON when channel is ON Fire alarm is OFF when channel is OFF
Turns OFF Input name	Channel whose input is set to OFF	OFF command sent when channel is ON
Turns ON Input name	Channel whose input is set to ON	ON command sent when channel is ON
Alarm Signal Output name	Channel whose output is set to air conditioner alarm output	Channel is ON when alarm is ON Channel is OFF when alarm is OFF
Turn ON Status Signal Output name	Channel whose output is set to ON output	Channel is ON when operation is ON Channel is OFF when operation is OFF
Power meter input name	Name of power meter	You can select the power meter set in the [Server/Interface] tab.
External Unit Power Coefficient (kWh)	0~99999.99	
External Unit No.		

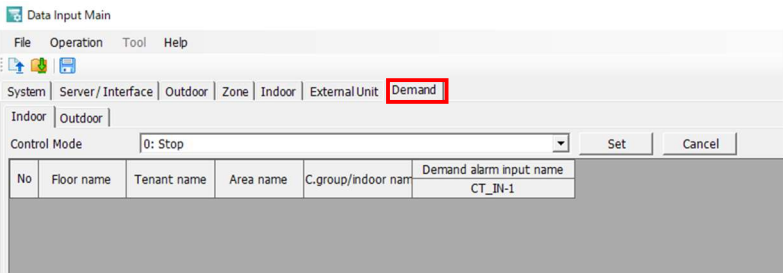
(*1): Only 1 external unit can be set for each channel – [ON / OFF Display Input name], [Alarm Display Input name] and [Turn ON/OFF Signal Output name] - of the external unit.

(*2): The static command H (High) is sent to turn on the external unit. The static command L (Low) is sent to turn off the external unit.

(*3) Only Global

5.9 [Demand] tab

Set the demand setting for each air conditioner set in the [Outdoor] tab and [Indoor] tab in the [Demand] tab.



Screen item	Contents	Remarks
Demand device selection/Indoor	Demand alarm setting of indoor unit	[Items that can be set] 0: Stop 1: Maximum Save 2: 50% Save 3: 0% 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 21: Stop + prohibit ON/OFF by Wired Remote Control 22: FAN + prohibit changing the operation mode by Wired Remote Control
Demand device selection/Outdoor	Demand alarm setting of outdoor unit	[range that can be set] Touch screen controller(CT128/256series) 0/50/55/60/65/70/75/80/85/90/95 Controllers other than above 0/60/70/80/90

* It may not be possible to set or reflect the settings depending on the selected model and the combination of outdoor and indoor units to be registered.

Display the [Demand] tab

The [Demand] tab appears only when either one of the input channels is set to [5: Demand] in the Digital I/O setting of the [Server/Interface] tab → [Interface Setting] tab.

System Server/Interface Outdoor Zone Indoor

Server Setting Interface Address Interface Setting

Unit number	name	channel	I/O Function
No.1	DIO-1-1_IN-1	1	0 :No setting
	DIO-1-1_IN-2	2	0 :No setting
	DIO-1-1_IN-3	3	0 :No setting
	DIO-1-1_IN-4	4	0 :No setting
	DIO-1-1_IN-5	5	0 :No setting
	DIO-1-1_IN-6	6	0 :No setting
	DIO-1-1_IN-7	7	0 :No setting
	DIO-1-1_IN-8	8	0 :No setting

Set at least one of the points enclosed in the red box to [5: Demand] setting

→

System Server/Interface Outdoor Zone Indoor Demand

Server Setting Interface Address Interface Setting

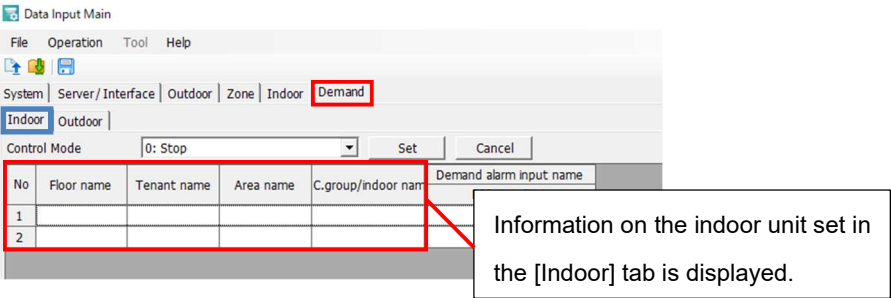
Unit number	name	channel	I/O Function
No.1	DIO-1-1_IN-1	1	5 :Demand
	DIO-1-1_IN-2	2	0 :No setting
	DIO-1-1_IN-3	3	0 :No setting
	DIO-1-1_IN-4	4	0 :No setting
	DIO-1-1_IN-5	5	0 :No setting
	DIO-1-1_IN-6	6	0 :No setting
	DIO-1-1_IN-7	7	0 :No setting
	DIO-1-1_IN-8	8	0 :No setting

After setting the demand (red box), the [Demand] tab (blue box) appears

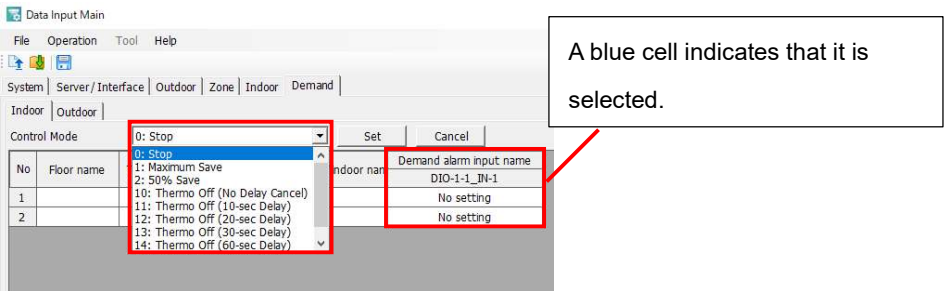
Set the demand control in an indoor unit

To set the demand control in an indoor unit, select the [Indoor] tab inside the [Demand] tab after the [Demand] tab appears.※

※[Indoor] tab when the [Demand] tab is displayed. (Appears in the blue box.)

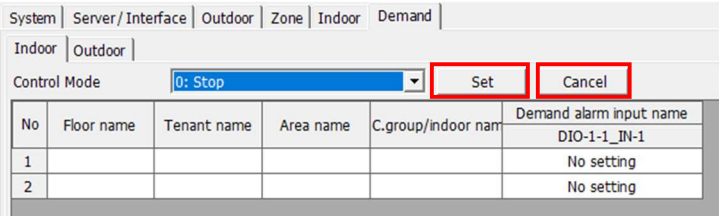


Click the cell displaying the [No setting] of the “Demand alarm input name” series of the indoor unit for which you wish to set demand control and select the item you wish to set from the [Control Mode] menu.



After selecting, click the [Setting] button.

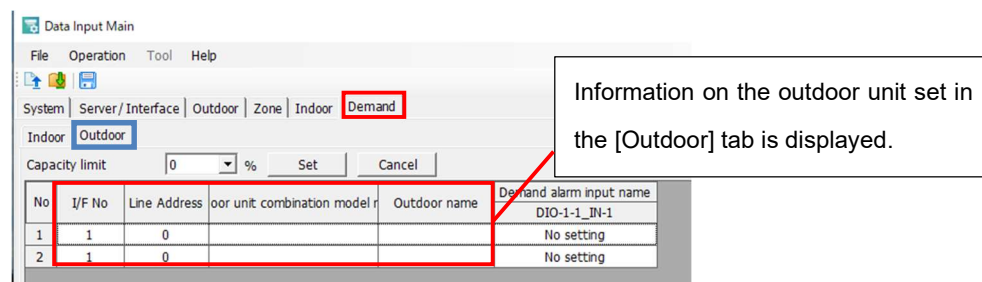
To cancel the setting, click the [Cancel] button.



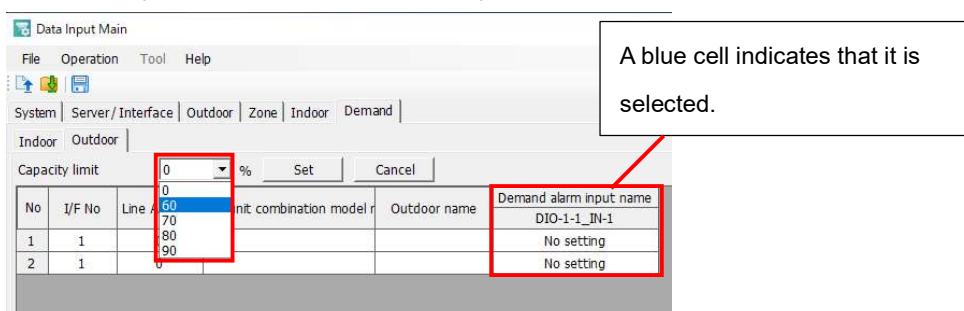
Set the demand control in an outdoor unit

To set the demand control in an outdoor unit, select the [Outdoor] tab inside the [Demand] tab after the Demand tab appears. ※

※[Outdoor] tab when the [Demand] tab is displayed. (Appears in the blue box.)

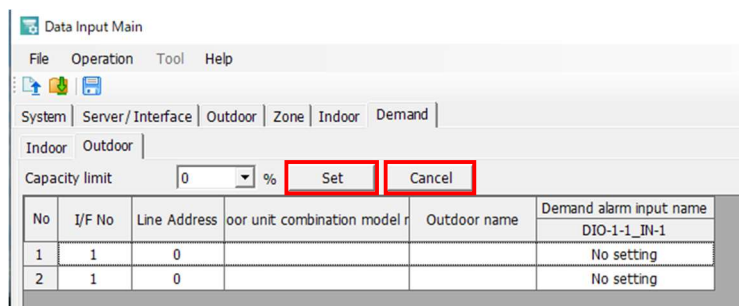


Click the cell displaying the [No setting] of the “Demand alarm input name” series of the outdoor unit for which you wish to set demand control and select the item you wish to set from the capacity limit menu.



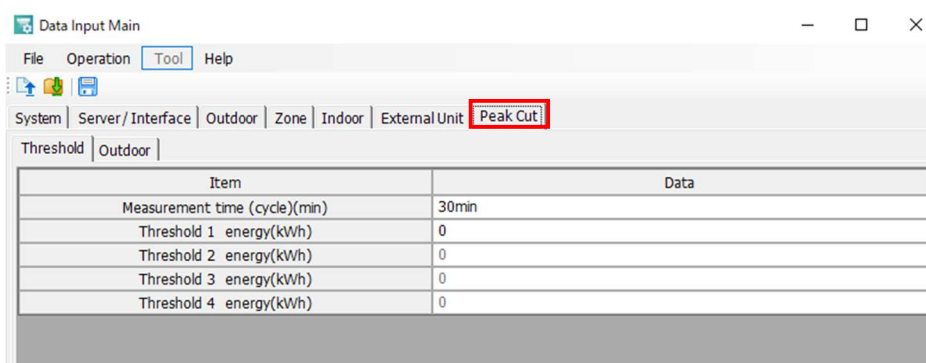
After selecting, click the [Set] button.

To cancel the setting, click the [Cancel] button.



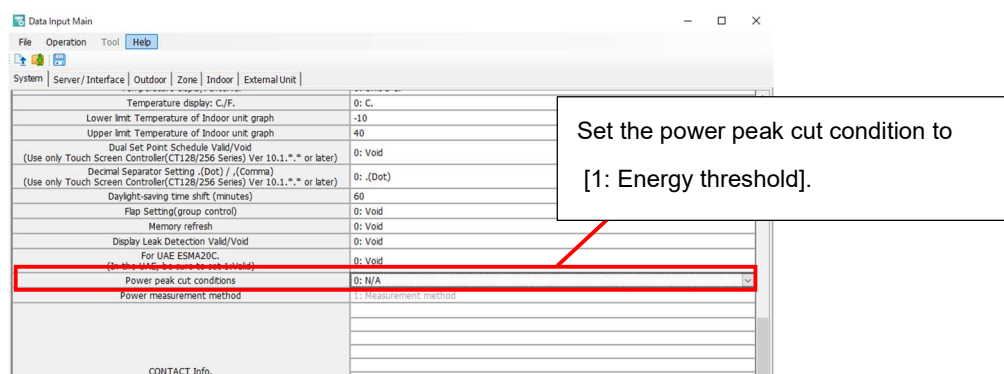
5.10 [Peak Cut] tab

Set the power peak cut control controlled by the Central Control Device in the [Peak Cut] tab.



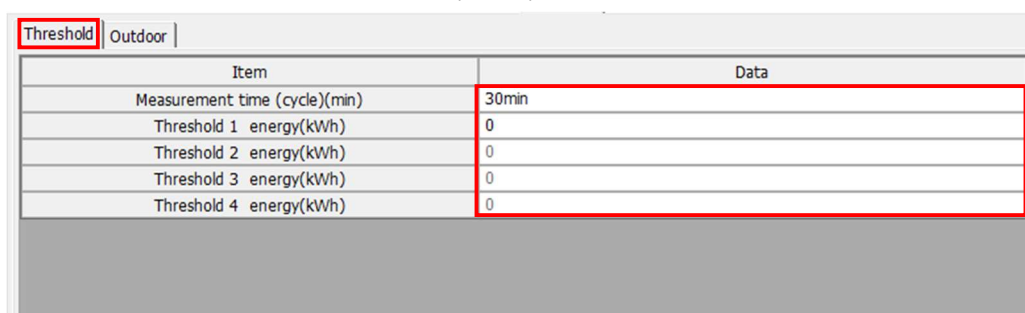
Display the [Peak Cut] tab

The [Peak Cut] tab appears only when the [1: Energy threshold] setting is set in the [Power peak cut conditions] item of the [System] tab.



Set the power peak cut

To set the power peak cut, set the measurement time (period) and threshold in the [Threshold] tab after the tab appears.



Set the threshold power so that the value increases in sequence starting from 1.

In addition, a threshold of 0 means that the threshold has not been set.

Set the power peak cut in the outdoor unit

After setting the measurement time (period) and threshold, set the capacity limit for the outdoor unit in the [Outdoor] tab.

No	LINE No	Line Address	Outdoor unit combination model name	Outdoor name	Threshold1	Threshold2	Threshold3	Threshold4
1	1	1	MMY-MAP0806HT8P-E	OUT001	10 (No power peak cut)	10 (No power peak cut)	10 (No power peak cut)	10 (No power peak cut)

Select the capacity limit (blue box).

After selecting the capacity limit, select each threshold and click the [Set] button.

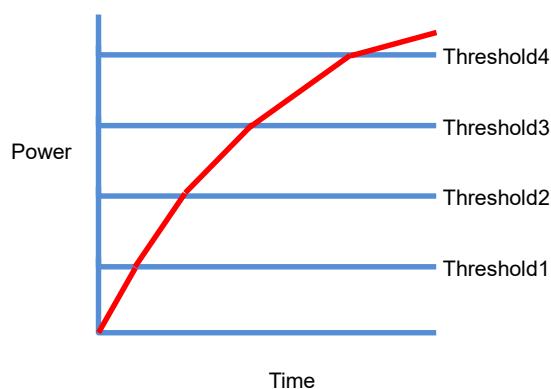
The selected location

Under power peak cut, the power consumption is calculated based on the pulse signal from the pulse oscillation-type power meter, and if the power used within the set measurement time exceeds the threshold, the demand control signal set in the [Outdoor] tab is sent to the outdoor unit.

Example:

Measurement time 30 min Threshold 1: 110 Threshold 2: 210 Threshold 3: 340 Threshold 4: 400

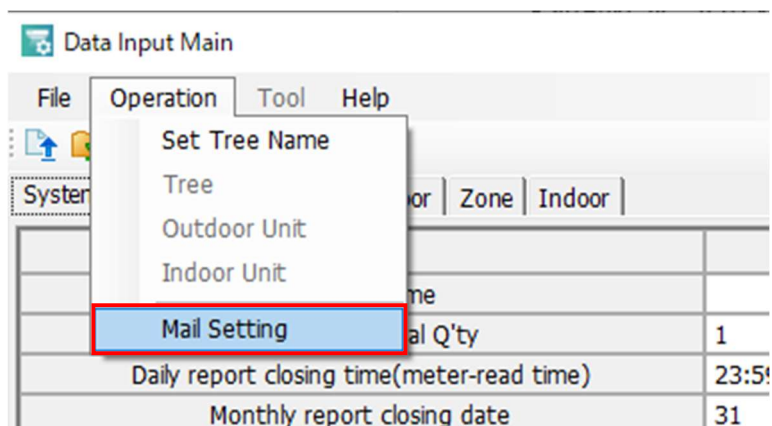
Capacity limit: 90 Capacity limit: 80 Capacity limit: 70 Capacity limit: 0



When the actual power consumption is 250 (kWh), Threshold 1 and Threshold 2 are exceeded, so perform the demand control set in Threshold 1 and Threshold 2.

5.11 Mail Setting

To display the [Mail Setting] screen, click [Operation] → [Mail Setting] in the file menu.



This setting screen can be set for e-mails that can be sent when a centralized management device reports an alarm.

The 'E-Mail Setting' dialog box is shown. It contains several sections, each highlighted with a red box:

- E-Mail Display Setting:** Includes fields for E-mail Address, Subject, and Contents.
- SMTP Server:** Includes fields for IP Address, PortNumber (set to 25), and Connection security (set to 0:None). There is an 'Edit Port Number' checkbox.
- Authentication method:** Includes a dropdown menu set to 0:None.
- User authentication:** Includes fields for User ID and Password.
- POP Server | SMTP Authentication:** Includes fields for IP Address, PortNumber (set to 110), and Connection security (set to 0:None). There is an 'Edit Port Number' checkbox and a 'POP-AUTH' checkbox set to APOP.

At the bottom of the dialog box are buttons for OK, Cancel, and Clear.

E-Mail Display Setting

Item	Contents
E-Mail Address	You can set the sender's email address. (Up to 64 Byte)
Subject	You can set the subject of the email you send. (Up to 64 Byte)
Contents	You can set the content of the email to be sent. (Up to 64 Byte)

SMTP Server

Item	Contents
IP address	You can set the IP address of the SMTP server to be used when sending mail.
Port Number	You can change the port number
Edit Port Number	If checked, you can change the port number.
Connection security	You can set from the following 3 items. • 0 : None • 1 : SSL / TLS • 2 : STARTTLS

Authentication method

Item	Contents
0 : None	Send an email without authentication.
1 : pop before SMTP	Go through the authentication you set up and send an email. If you set it, please set the ID and password in "User authentication" below.
2 : SMTP Authentication	

User authentication

Item	Contents
User ID	You can set the user ID to be used during authentication.
Password	You can set a password to use when authenticating.

POP Server

Item	Contents
IP address	You can set the IP address of the POP server.
Port Number	You can set the port number of the POP server.
Edit Port Number	If checked, you can change the port number.
POP – AUTH	If you are using POP – Auth, please check it.
Connection security	You can set from the following 3 items. • 0 : None • 1 : SSL / TLS • 2 : STARTTLS

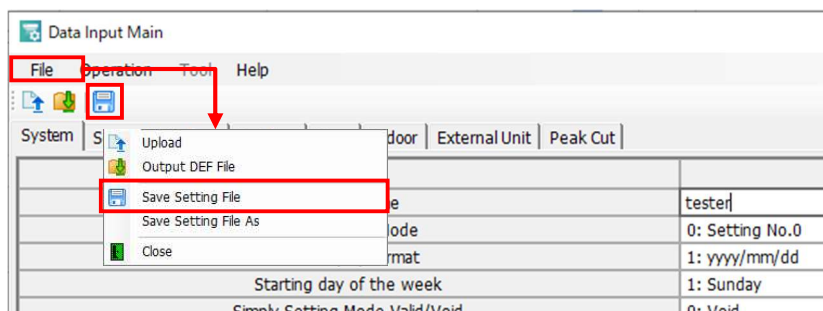
SMTP Authentication

Item	Contents
Auto	When sending an email, the set authentication will be performed.
CramMD5	
GssApi	
Login	
Ntlm	
Plain	

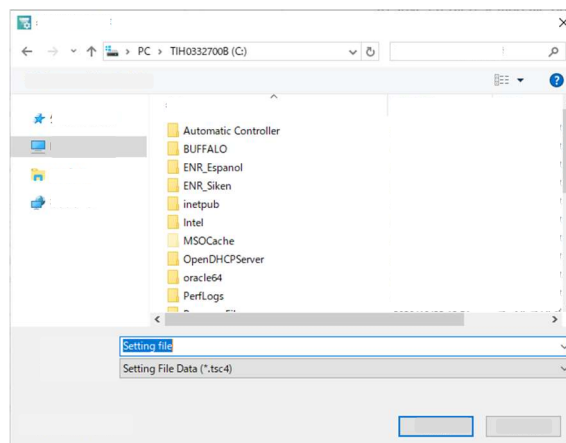
5.12 Save a setting file

Saving created setting file data in a file

To save created setting file data, either click [File] → [Save Setting File] under the file menu, or click the [Save] button under the tool icon.



When saving the file for the first time, a window to select the save location appears.

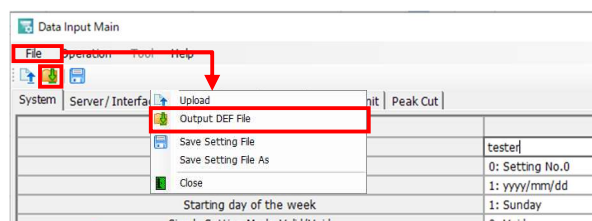


In addition, if you select [File] → [Save Project File As] under the file menu, you can save the file under a different name.

Output setting file

Output the created information as a setting file of each Central Control Device. If there is no error in the setting information, you can proceed to the upload screen from this menu. The setting file output flow is as follows.

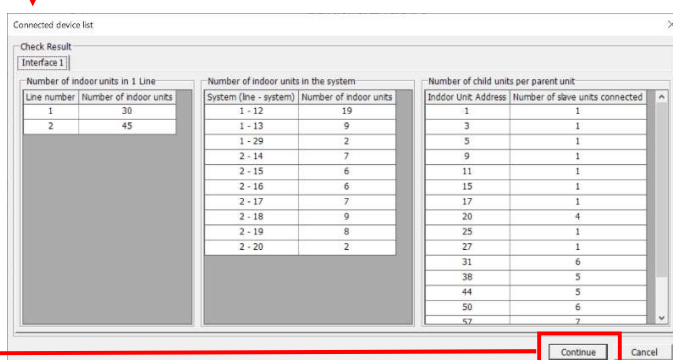
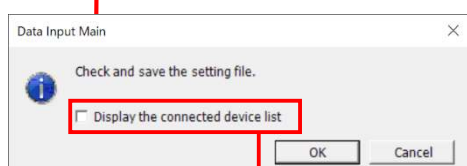
(The displayed screens and messages will differ depending on the selected Central Control Device and data save conditions such as new or overwrite.)



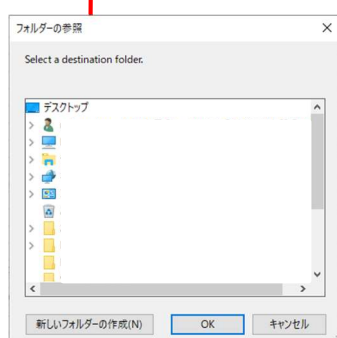
To output setting file data contents as a setting file, either click the [File] → [Output DEF File] under the file menu, or click the [Output DEF File] button under the tool icon.

<Data Input Main >

Displayed only when outputting setting file for Touch screen controller CT128/256 series. (tsc4,tsc5). If you check "Display the connected devices list" and press OK, display the list of connected devices. If canceled, the file output will be topped.



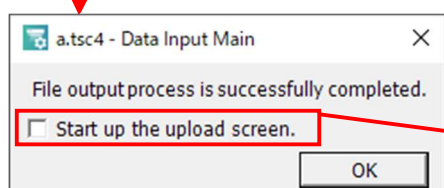
After confirming the number of units, press the Continue button.
If canceled, the file output will be stopped.



Select the output destination and click the [OK] button.

※In case of output DEF files, be sure to specify the folder for the setting file as a large volume of setting file data will be output.

If canceled, the file output will be stopped.

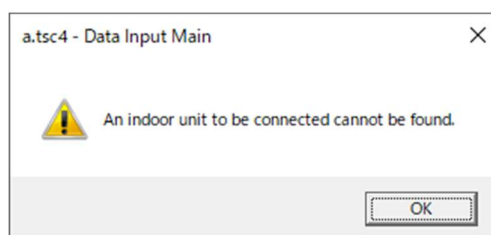


A popup window appears when the setting file is output.

Click the [OK] button with the checkbox ticked to display the upload window.

When there is a problem with the data input

When outputting a setting file, check the input details in the Data Input Main screen. If there is a problem with the input data, an error popup window appears at the error location.



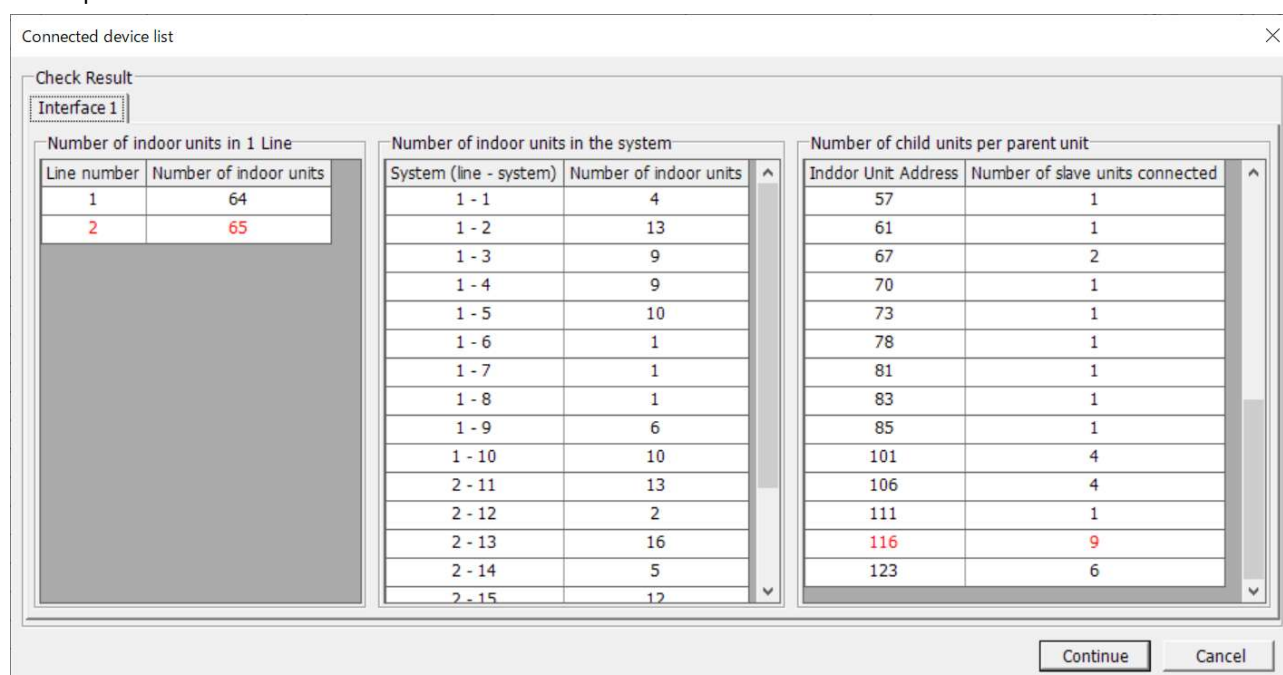
●Notice

About Connected device list

If you check "Display the connected devices list" and press OK, the list of connected devices will be displayed. Here you can check the following information:

- Number of indoor units in 1 Line: Total number of indoor units connected to one line. If there are 65 or more indoor units, they will be displayed in red character.
- Number of indoor units in the system: Number of indoor units for each line address. If there are 65 or more indoor units, they will be displayed in red character.
- Number of child units per parent unit: The number of indoor unit numbers and child units that are set as parent and child setting. If there are 9 or more child units, they will be displayed in red character.

<Sample>

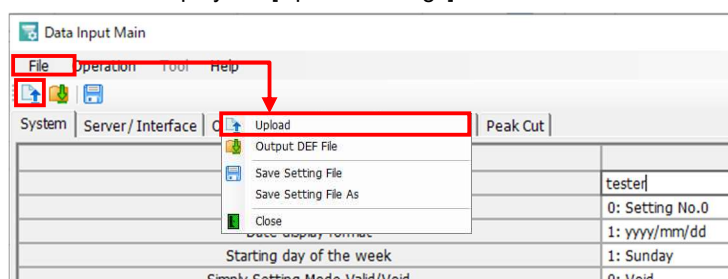


Check the number of connected devices, and if resetting is required, press the Cancel button, and set again.

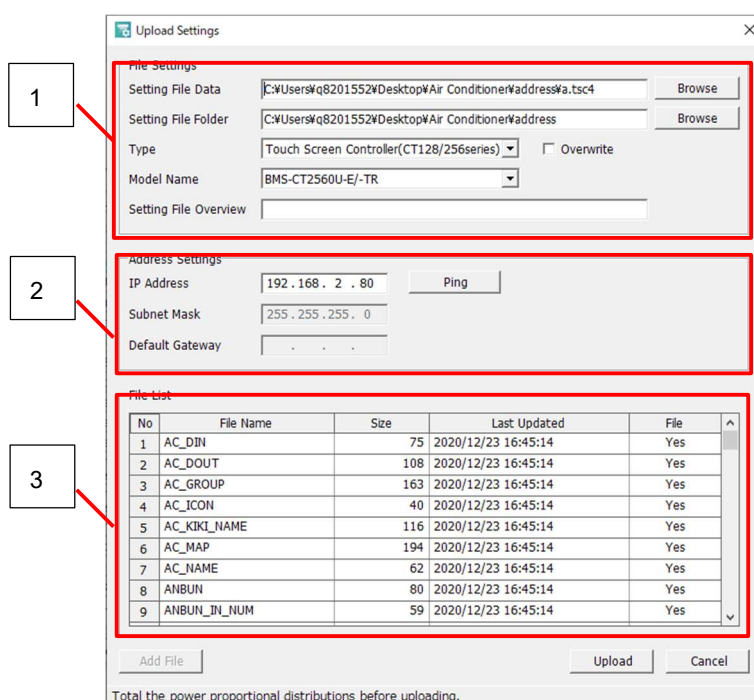
Uploading of setting file

Before uploading, it is necessary to do the Check Setting File, and remove the setting file error.

To upload the output setting file into the Central Control Device, either click [File] → [Upload] under the file menu or click the [Upload] icon under the tool icon to display the [Upload Settings] window.



The [Upload Settings] window can also be displayed from the [Main Menu] screen. However, when displaying the [Upload Settings] window from the [Main Menu] screen, all the items will appear blank, so you need to select them starting from 1.



No.	Item	Contents	Remarks
1	File Settings	Location to set the file to upload etc.	
2	Address Settings	Location to set the address of the upload destination.	
3	File List	You can check the details of the setting file to upload.	

File Settings

Select the file to upload and set the type etc. of the Central Control Device in the “File Settings”. See the table below for the setting items.

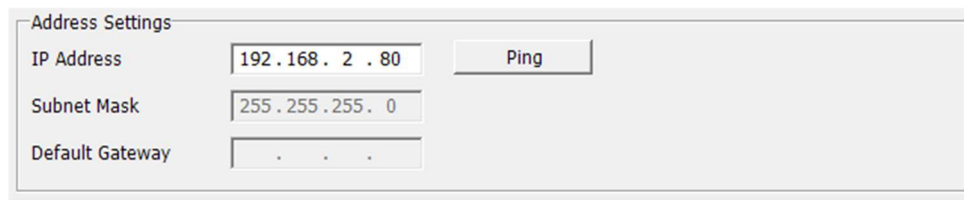
The screenshot shows a 'File Settings' dialog box with the following fields and controls:

- Setting File Data:** A text box containing 'C:\Users*q8201552\Desktop*Air Conditioner*address#a.tsc4' and a 'Browse' button.
- Setting File Folder:** A text box containing 'C:\Users*q8201552\Desktop*Air Conditioner*address' and a 'Browse' button.
- Type:** A dropdown menu showing 'Touch Screen Controller(CT128/256series)' and an 'Overwrite' checkbox.
- Model Name:** A dropdown menu showing 'BMS-CT2560U-E/-TR'.
- Setting File Overview:** A text box.

Item	Contents	Remarks
Setting File Data	Select the folder where the Setting file data is stored. To browse the folder of the Setting file data, click the [Browse] button and select the Setting file data.	
Setting File Folder	Select the folder where the setting file to upload is located. To browse the setting file to upload, click the [Browse] button and select the folder where the setting file you wish to upload is located.	Uploading cannot be performed unless the selected folder contains all the "Setting files".
Type	Select the type of the controller.	If the type of the selected controller differs from the upload destination, uploading may fail.
Model Name	Select the model name of the controller.	If the model name of the selected controller differs from the upload destination, uploading may fail.
Setting File Overview	A summary of the setting file can be written in the file.	
Overwrite	If the setting file is uploaded with the checkbox ticked, data before the upload will be overwritten.	When the system configuration of the air conditioner changes, upload the setting file without ticking the overwrite checkbox.

Address Settings

Location to input the IP address etc. of the Central Control Device at the upload destination in the "Address Settings".

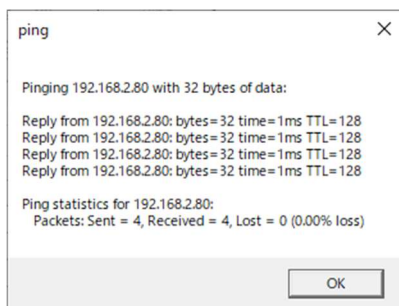


The "Address Settings" dialog box contains three input fields and a "Ping" button. The "IP Address" field is set to "192.168.2.80", the "Subnet Mask" field is set to "255.255.255.0", and the "Default Gateway" field is empty with three dots as placeholders. The "Ping" button is located to the right of the IP Address field.

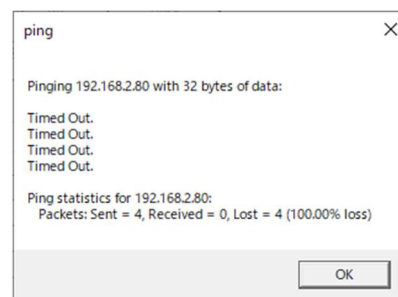
Item	Contents	Remarks
IP Address	Set the IP address of the controller to connect.	
Subnet Mask	Set the subnet mask of the controller to connect.	
Default Gateway	Set the default gateway of the controller to connect.	

Connection confirmation of system registration window

You can check the connection with the Central Control Device by clicking the [Ping] button in the [Upload Settings] window. The image below appears when connection is confirmed to be normal, or when connection is failed.



(Example) When connection succeeds



(Example) When connection fails

File List

A list of the “Setting files” etc. required for the upload appears in the “File List”. You can also check if there are any files required for uploading that are saved in the setting file folder that you browsed in the “File Settings”.

BMS-CT2560U-E/-TR/-UL (Ver.10.3.0.0 or later)

File List				
No	Building Name	Size	Last Updated	File Check
1	Toshiba	258934	2022/08/18 18:18:58	Yes

Models other than BMS-CT2560U-E/-TR/-UL (Ver.10.3.0.0 or later)

File List				
No	File Name	Size	Last Updated	File
1	AC_DIN	75	2020/12/23 16:45:14	Yes
2	AC_DOUT	108	2020/12/23 16:45:14	Yes
3	AC_GROUP	163	2020/12/23 16:45:14	Yes
4	AC_ICON	40	2020/12/23 16:45:14	Yes
5	AC_KIKI_NAME	116	2020/12/23 16:45:14	Yes
6	AC_MAP	194	2020/12/23 16:45:14	Yes
7	AC_NAME	62	2020/12/23 16:45:14	Yes
8	ANBUN	80	2020/12/23 16:45:14	Yes
9	ANBUN_IN_NUM	59	2020/12/23 16:45:14	Yes

Item	Contents	Remarks
File Name	Name of the upload file.	
Size	Size of the upload file.	Unit of size is “byte”.
Last Updated	Latest date and time that the upload file was updated.	
File	File inside the folder selected in the setting file folder item. Files that are not inside the folder are indicated with a “No”, while those inside the folder are indicated with a “Yes”.	If there is 1 or more “No”, the file cannot be uploaded.

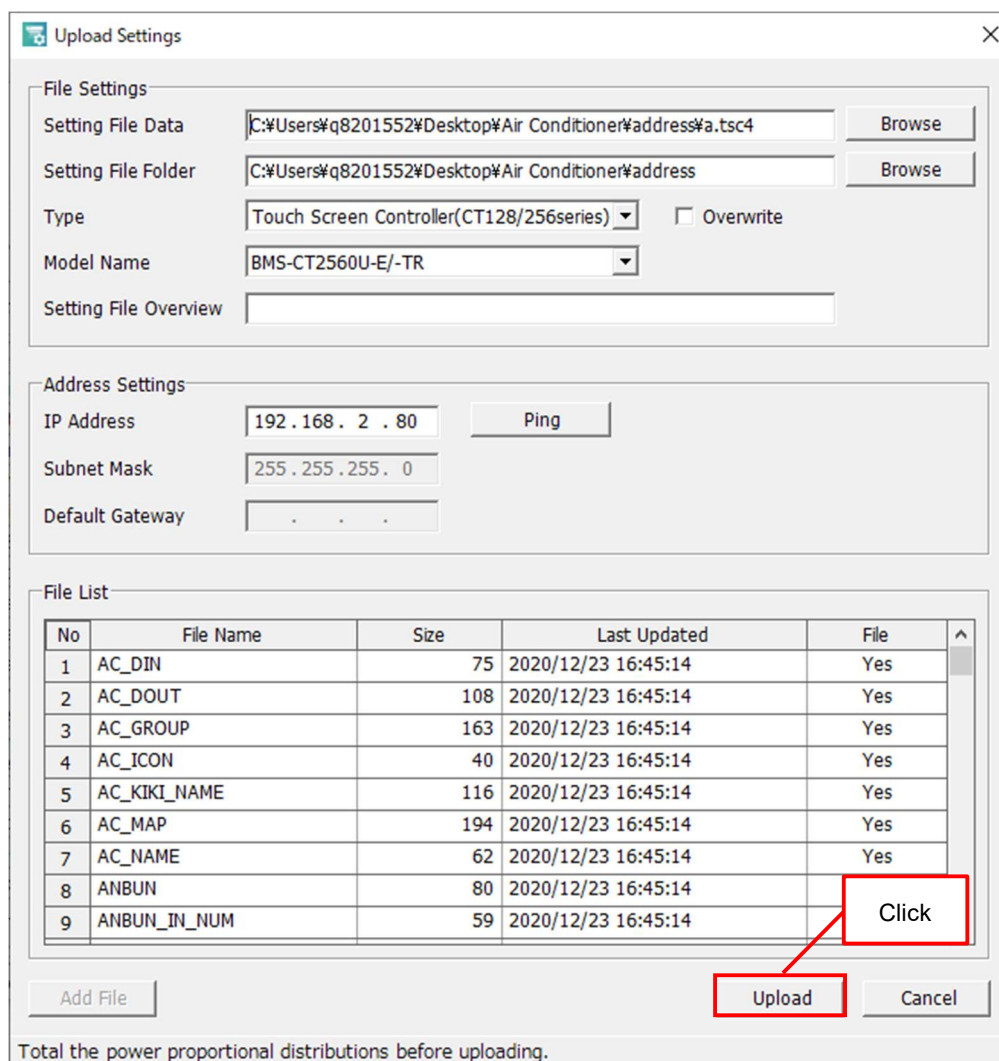
- Addition of file

If you want to upload a file that is listed, click the [Add File] button and select the file you wish to add. File addition may not be possible depending on the model.

Setting File upload method

If there are no problems in Settings files, you can upload files to the connected Central Control Device.

To upload, click the "Upload" button at the bottom right of the window.



File Settings

Setting File Data: C:\Users\q8201552\Desktop\Air Conditioner\address#a.tsc4 Browse

Setting File Folder: C:\Users\q8201552\Desktop\Air Conditioner\address Browse

Type: Touch Screen Controller(CT128/256series) ☐ Overwrite

Model Name: BMS-CT2560U-E/-TR

Setting File Overview:

Address Settings

IP Address: 192 . 168 . 2 . 80 Ping

Subnet Mask: 255 . 255 . 255 . 0

Default Gateway: . . .

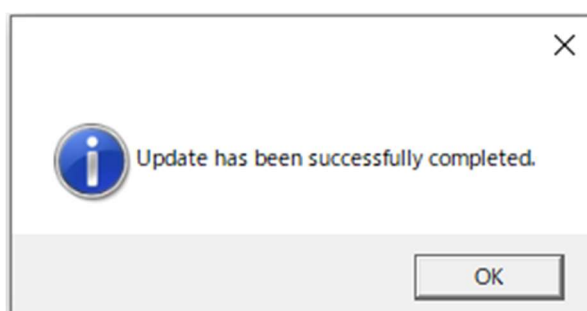
File List

No	File Name	Size	Last Updated	File
1	AC_DIN	75	2020/12/23 16:45:14	Yes
2	AC_DOUT	108	2020/12/23 16:45:14	Yes
3	AC_GROUP	163	2020/12/23 16:45:14	Yes
4	AC_ICON	40	2020/12/23 16:45:14	Yes
5	AC_KIKI_NAME	116	2020/12/23 16:45:14	Yes
6	AC_MAP	194	2020/12/23 16:45:14	Yes
7	AC_NAME	62	2020/12/23 16:45:14	Yes
8	ANBUN	80	2020/12/23 16:45:14	
9	ANBUN_IN_NUM	59	2020/12/23 16:45:14	

Add File Upload Cancel

Total the power proportional distributions before uploading.

A pop-up screen will appear when the upload is complete.

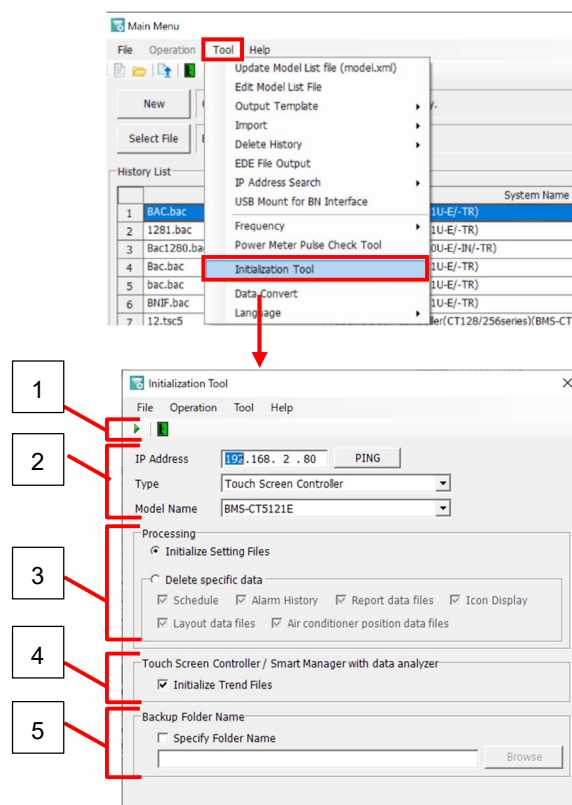


6 [Initialization Tool]

The [Initialization Tool] performs initialization or allows specific files to be deleted with respect to the settings of each Central Control Device.

6.1 Display the Initialization Tool

The [Initialization Tool] appears when you click [Tool] → [Initialization Tool] under the file menu of the [Main Menu] screen of the “Setting file creation software2”.



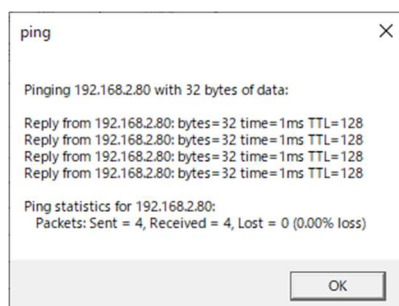
No.	Item	Contents	Remarks
1	Execute icon/Close icon	The Execute icon and Close icon appear.	
2	Connection point setting	Set the address etc. of the controller at the connection point to be initialized.	
3	Processing	Select the contents to initialize.	
4	Touch screen controller/Smart BMS manage	Select initialization of Trend File.	
5	Backup Folder Name	When performing initialization, set up a folder to save a backup of the contents to be initialized. To specify a folder, you need to tick the checkbox.	If no backup folder is created, the backup is saved in the default folder. The default folder is "C:\ProgramDataAirConditioningSystem\Setting File Creation Software2\backup".

Connection point setting

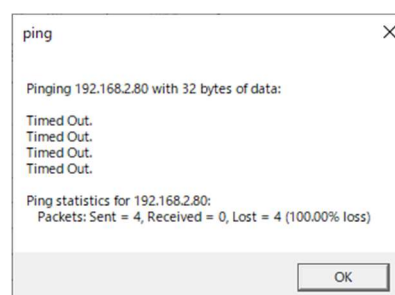
Before running the system with the [Initialization Tool], set the address etc. of the Central Control Device to be connected.

Connection confirmation

You can check the connection with the Central Control Device by clicking the [Ping] button. The image below appears when connection is confirmed to be normal, or when connection is failed.



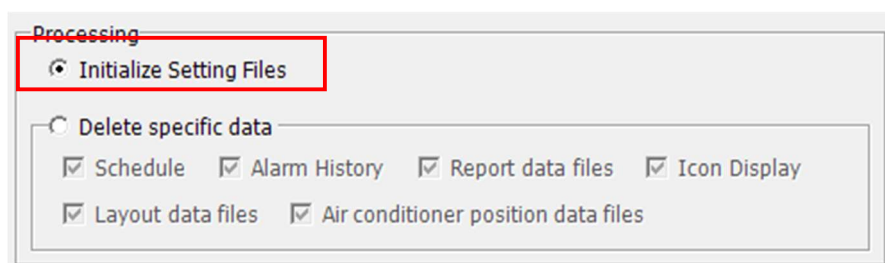
(Example) When connection succeeds



(Example) When connection fails

Initialization of setting file

You can restore the setting file to the factory default. Set the red box section of the [Initialization Tool] window.



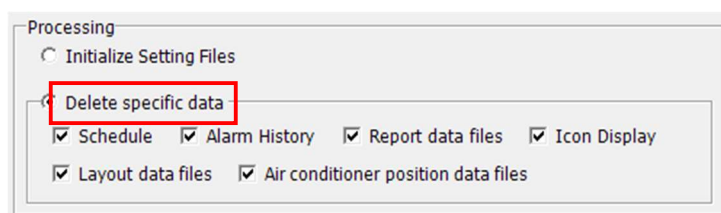
After that, either click [Operation] → [Execute] under the file menu, or click the [Execute] icon under the tool icon to execute the initialization.



Initialization of designated data

Data except setting files such as the schedule, alarm history etc. can be deleted.

Tick Delete specific data in the Processing box.



After ticking the checkbox, retain the ticks for data you wish to delete and remove the ticks for data you do not want to delete. ※

(Example: To delete the Schedule, Icon Display, and retain the rest)



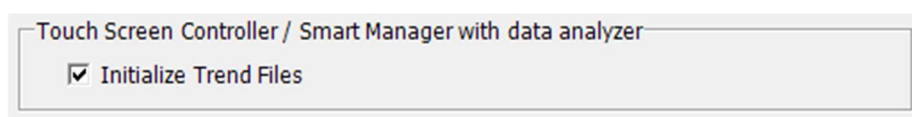
※You may not be able to select the item depending on the model selected.

After that, either click [Operation] → [Execute] under the file menu, or click the [Execute] icon under the tool icon to execute the initialization.



Initialization of Trend File

To initialize Trend File, tick "Initialize Trend Files" in the [Touch screen controller/Smart BMS manage].



After that, either click [Operation] → [Execute] under the file menu, or click the [Execute] icon under the tool icon to execute the initialization.



"Initialize Trend Files" can be carried out at the same time as initialization of the setting file, or initialization of specific data.

In addition, to perform "Initialize Trend Files" only, select Delete specific data and untick all the checkboxes first before doing so.

6.2 File menu [Tool]

The [Initialization Tool] lets you perform operations other than initialization from [Tool] under the file menu.

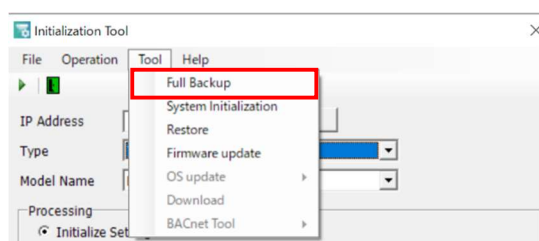
	Touch screen controller	Touch screen controller (CT128/256 series)	Smart BMS manage	Smart BMS manage with data analyzer	BACnet interface	Smart device control interface
Full Backup	✓	✓				✓
System Initialization	✓	✓	✓	✓	✓	✓
Restore	✓	✓	✓	✓		✓
Firmware update	✓	✓	✓	✓	✓	✓
OS update					✓	
Download					✓	
BACnet Tool					✓	

Full Backup

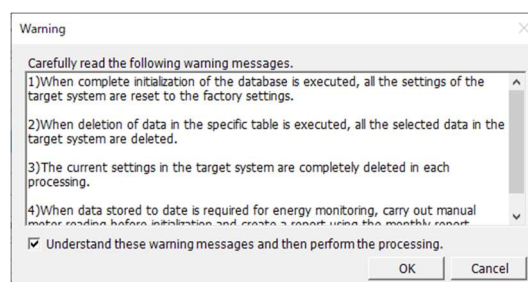
A [Full Backup] is used to back up data of the Central Control Device. The backup file is downloaded into the folder specified by the backup folder name. If the file has not been set, download it into

“C:\ProgramData\AirConditioningSystem\Setting File Creation Software2\backup”.

Click [Tool] → [Full Backup] under the file menu of the [Initialization Tool].

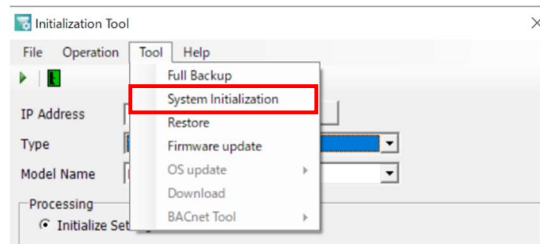


Click [Full Backup] to display the Warning window. Read the text carefully, and if there is no problem, tick the checkbox and click the [OK] button.

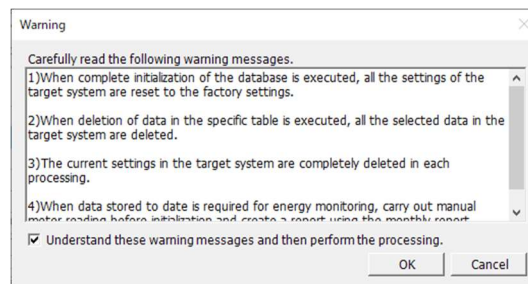


System Initialization

To initialize the Central Control Device at the connection point, click [Tool] → [System Initialization] under the file menu of the [Initialization Tool].



Click [System Initialization] to display the Warning window. Read the text carefully, and if there is no problem, tick the checkbox and click the [OK] button.



Initialized to factory settings

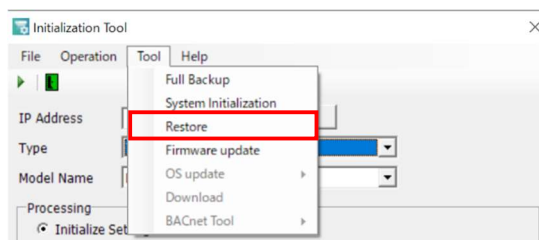
Restore

[Restore] returns the setting file to its initial state using the [Initialization Tool], or the backup data when uploading the normal setting file.

When performing [Restore], be careful as the data in the applicable Central Control Device will be deleted and restored to the backup data.

To perform [Restore], perform [System Initialization] first. When a [Restore] performed without performing [System Initialization], the “Energy report software” and “Energy monitor” may not run normally.

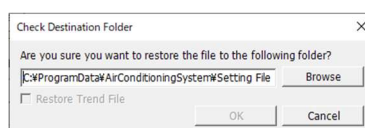
To perform [Restore], click [Tool] → [Restore] under the file menu.



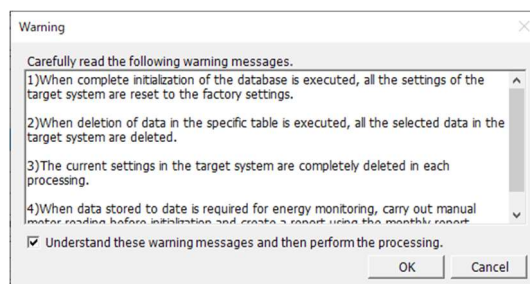
After clicking, a window to select the files to restore appears. Click the [Browse] button, select a folder, and click the [OK] button.

The initial value is “C:\ProgramData\AirConditioningSystem\Setting File Creation Software2\backup”.

In addition, only folders containing backup files can be selected.



Click the [OK] button to display the Warning window. Read the text carefully, and if there is no problem, tick the checkbox and click the [OK] button.



Firmware update

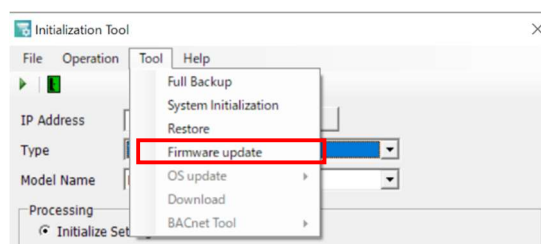
Used to update the firmware of the Central Control Device.



Caution

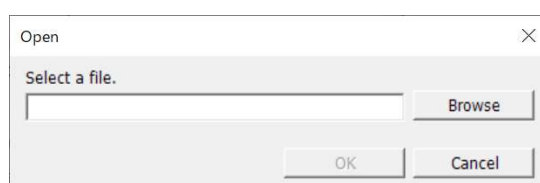
After performing firmware update the software cannot be restored to the previous version. Firmware update is performed by connecting the PC installed with the software and the applicable Central Control Device with a network. Be careful when updating the version as the system may stop running if the network or power supply is cut off.

To perform firmware update, click [Tool] → [Firmware update].

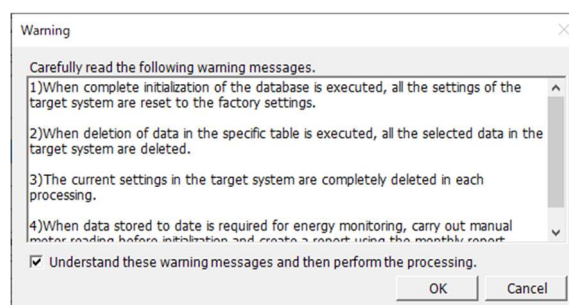


After clicking, a window to select a file appears.

Select the file from the folder where the target data is stored, click the [OK] button.



Click the [OK] button to display the Warning window. Read the text carefully, and if there is no problem, tick the checkbox and click the [OK] button.



OS update

Used to update the OS data for the BACnet interface.

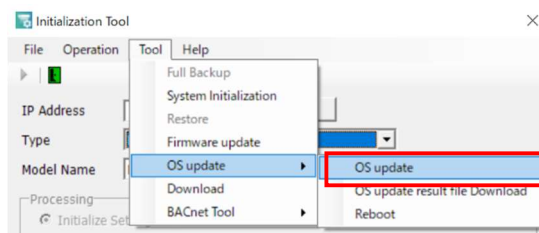
As for detail, refer to the product manual.



Caution

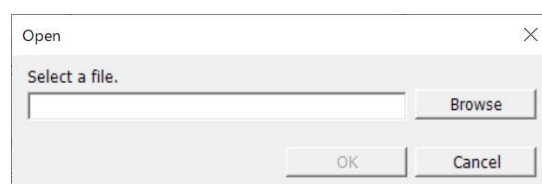
After performing OS update the software cannot be restored to the previous version. And OS update is performed by connecting the PC and the applicable BACnet interface with a network. Be careful when updating the version as the system may stop running if the network or power supply is cut off. Also, When the update is completed successfully, the L1-LED of the BACnet interface starts blinking as green. If the L1-LED does not blink 15 minutes over after the update, download the OS update result file from the [OS Update] menu and check the contents of the file.

To perform OS update, click [Tool] → [OS update] → [OS update].

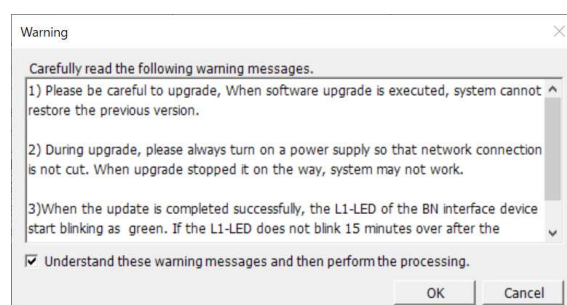


After clicking, a window to select a file appears.

Select the file from the folder where the target data is stored, click the [OK] button.



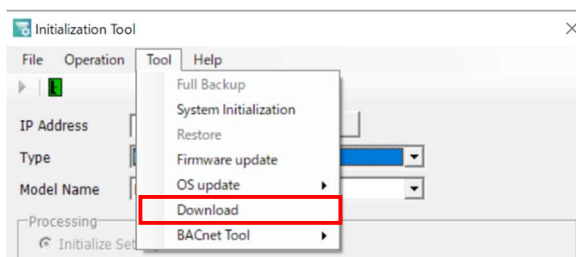
Click the [OK] button to display the Warning window. Read the text carefully, and if there is no problem, tick the checkbox and click the [OK] button.



OS update is started, and data upload progress bar is shown. After data upload completion, BACnet interface will reboot automatically.

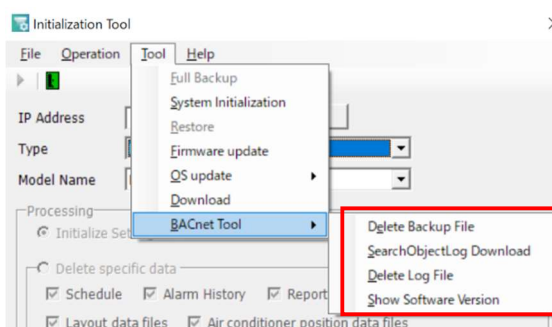
Download

Setting file data can be downloaded from the server. Click [Tool] → [Download] under the file menu of the [Initialization Tool].



After clicking, download starts. If a file is downloaded without specifying the folder name, the file will be downloaded to "C:\ProgramData\AirConditioningSystem\Setting File Creation Software2\backup".

BACnet Tool



- Delete Backup File

Delete the backup file in the applicable BACnet interface.

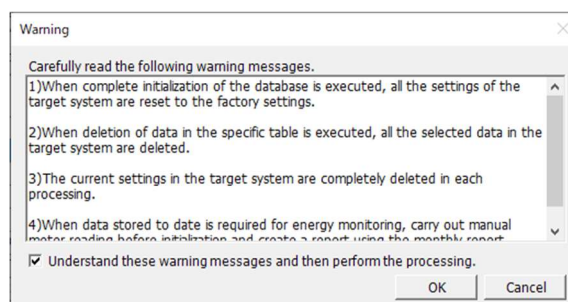
- SearchObjectLog Download

Download the SearchObjectLog from BACnet interface.

- Delete Log File

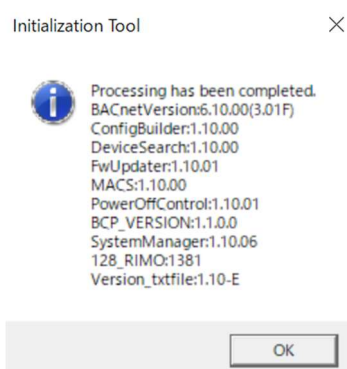
Delete the log files on the target BACnet interface.

After selecting, the Warning window appears. Read the text carefully, and if there is no problem, tick the checkbox and click the [OK] button.



- Show Software Version

Get the version number of each software for the BACnet interface and display on monitor.



7 [Power Meter Pulse Check Tool]

What is the [Power Meter Pulse Check Tool]?

The [Power Meter Pulse Check Tool] is a tool to check whether the power meter is integrating the pulses normally. It is used for checking purposes during the trial run of the Central Control Device to display the number of pulses and power of each power meter.

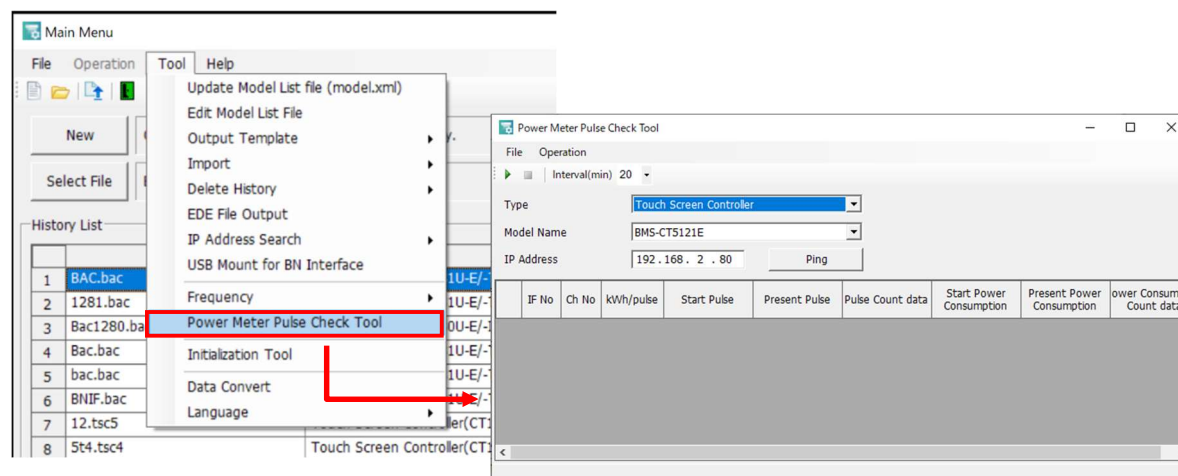
*For BMS-CT2560U-E/-TR/-UL (Ver.10.3.0.0 or later)

Check the pulse operation of the power meter directly on the main unit.

* If the date changes during pulse accumulation check with this tool, the [Pulse count data] may become negative.

Start the [Power Meter Pulse Check Tool]

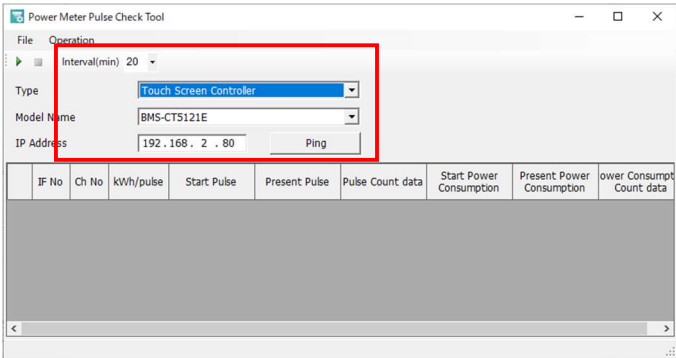
To use the [Power Meter Pulse Check Tool], click [Tool] → [Power Meter Pulse Check Tool] under the file menu of the [Main Menu] screen.



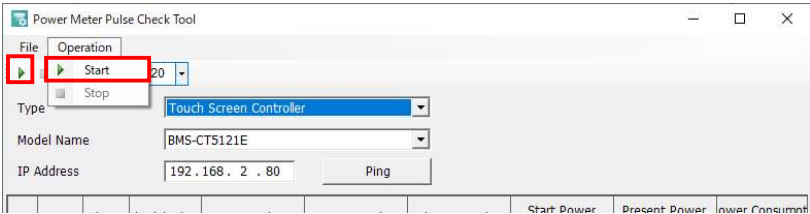
Item	Contents	Remarks
IF No	Address of power meter connected to Central Control Device	
Ch No	Channel of the power meter connected to the Controller Built in I/O of the Central Control Device	
kWh/pulse	Pulse constant set in the "Setting file creation software 2"	
Start Pulse	Pulse value at the start point	
Present Pulse	Current pulse value	
Pulse Count data	Value minus the difference in pulse value at the start from the current pulse value	
Start Power Consumption	$[\text{Start Pulse}] \times [\text{kWh/pulse}]$	
Present Power Consumption	$[\text{Present Pulse}] \times [\text{kWh/pulse}]$	
Power Consumption Count data	$[\text{Pulse Count data}] \times [\text{kWh/pulse}]$	

Start pulse integration verification

After the [Power Meter Pulse Check Tool] is started, set the “Type”, “Model Name”, “IP Address”, and integration verification time of the Central Control Device to be connected.



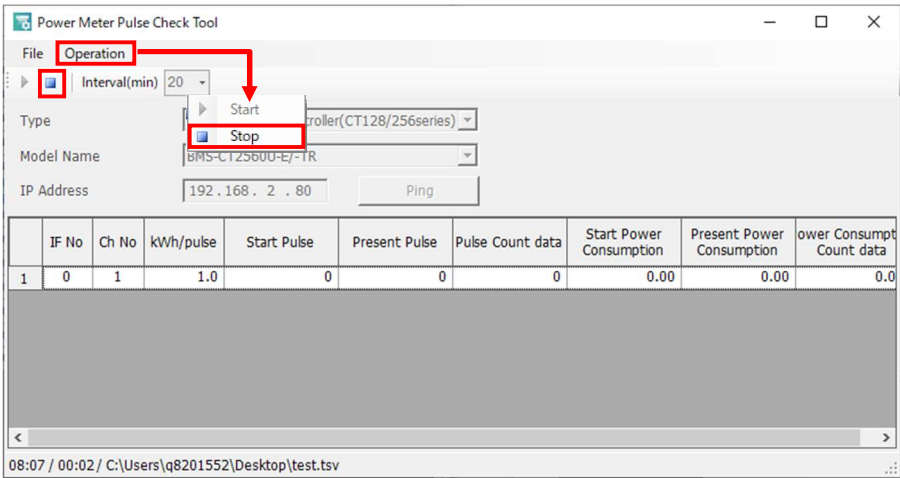
After setting, either click [Operation] → [Start] under the file menu, or click the [Start] icon under the tool icon. When clicked, a window to select a folder to store the integration data appears.



After selecting the folder, data is downloaded from the set Central Control Device and the pulse integration value is displayed.

End pulse integration verification

During the pulse integration verification, either click [Operation] → [Stop] under the file menu or click the [Stop] icon under the tool icon.



The configuration of the output file is as follows.

File name	Arbitrary		
File format	csv format		

Recode no.	Column no.	Value	Remarks
1	1	"IF No"	Character string
	2	"Ch No"	Character string
	3	"kWh/pulse"	Character string
	4	"Start Pulse"	Character string
	5	"Present Pulse"	Character string
	6	"Pulse Count data"	Character string
	7	"Start Power Consumption"	Character string
	8	"Present Power Consumption"	Character string
	9	"Power Consumption Count data"	Character string
2 and thereafter	1	IF No	Address of power meter IF acquired from the target system
	2	Ch No	Power channel of power meter IF acquired from the target system
	3	kWh/pulse	Pulse constant acquired from the target system
	4	Start Pulse	Pulse value acquired from the target system at the start
	5	Present Pulse	Current pulse constant acquired from the target system
	6	Pulse Count data	Difference in pulse value at the start from the current pulse value
	7	Start Power Consumption	Start Pulse×kWh/pulse
	8	Present Power Consumption	Present Pulse×kWh/pulse
	9	Power Consumption Count data	Pulse Count data×kWh/pulse

The image of the output file is as shown below.

```

IF No,Ch No,kWh/pulse, Start Pulse, Present Pulse, Pulse Count data, Start Power Consumption, Present
Power Consumption, Power Consumption Count data
1,1,10.0,100,200,100,1000.00,2000.00,1000.00
1,2,10.0,150,230,80,1500.00,2300.00,800.00
2,1,5.0,120,170,50,1200.00,1700.00,250.00
2,2,5.0,140,240,100,1400.00,2400.00,500.00

```

8 Data conversion of setting file

Setting file can be converted into same series Central Control Device as follows.

*Before converting, the current config file must pass the setting file check

<List of compatible Central Control Device>

✓ : Support - : No support

Touch screen controller (Only Global model)			New system file	
			BMS-CT5120E	BMS-CT5121E
			tsc2	tsc2
Current System file	BMS-CT5120E	tsc2		✓
	BMS-CT5121E	tsc2	-	

Touch screen controller (CT128/256series)			New system file		
			BMS-CT1280	BMS-CT2560U	BMS-CT2560U (Ver.10.3.0.0 or later)
			tsc3	tsc4	tsc5
Current System file	BMS-CT1280	tsc3		✓	✓ (*3)
	BMS-CT2560U	tsc4	-		✓ (*1)
	BMS-CT2560U (Ver.10.3.0.0 or later)	tsc5	-	✓ (*1,2)	

(*3) Only North America

BACnet interface			New system file		
			IFBN640TLE	BMS-IFBN1280U	BMS-IFBN1281U
			bac	bac	bac
Current System file	IFBN640TLE	bac		✓	✓ (*3)(*4)
	BMS-IFBN1280U	bac	-		✓ (*4)
	BMS-IFBN1281U	bac	-	-	

(*3) Only North America

(*4) If not using another Central Control Device (e.g., Touch screen controller), change the "Central Controller ID" from ID20 to ID1.

Smart BMS manager (Only Global)			New system file	
			BMS-SM1280ETLE	BMS-SM1281ETLE
			cm2	cm2
Current system file	BMS-SM1280ETLE	cm2	-	✓
	BMS-SM1281ETLE	cm2		

Smart BMS manager (Only North America)			New system file	
			BMS-SM1280ETLE	BMS-SM1281ETLE
			cm1	cm1
Current system file	BMS-SM1280HTLUL	cm1	-	✓
	BMS-SM1280HTLUL(*)	cm1		

*1 After conversion, date display format changes to default. If you change the date display format, please set the date display again.

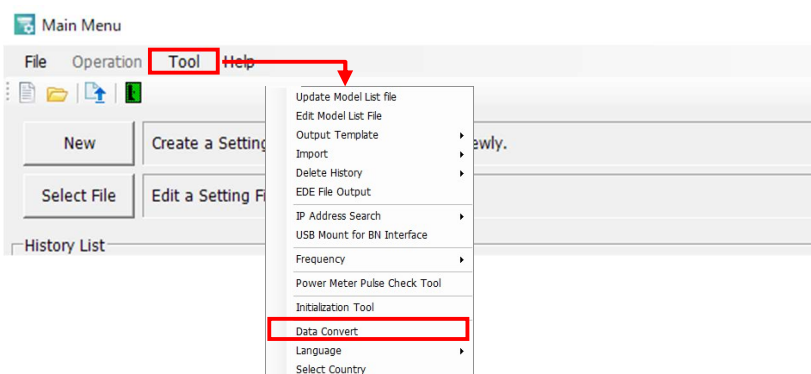
*2 Note: After [Data Convert], please check if the settings of the following items are not set to unintended values.

Confirmation point	How to respond
Are the TU2C-LINK type and TCC-LINK type settings for all Indoor unit and outdoor unit unintended?	All Indoor unit and Outdoor unit in the converted Setting File are converted as TCC-LINK type. If you want to set it to TU2C-LINK type, set indoor unit model name to TU2C-LINK type setting.
Do Light Commercial and Air to Air Heat Exchanger addresses match as on-site settings?	For BMS-CT2560U-E/-TR/-UL, Indoor unit address 33 or higher one is not supported. Change the address of the corresponding model connected from Wired remote controller and change the Setting File in the same way.
Is the Indoor unit address setting value unintended?	If the indoor unit address set value is 65 or more, it will be converted to 64. Change the Line address of the corresponding model connected from the Wired remote controller and change the setting file in the same way.
Are there duplicate Indoor unit address?	
Is the Header Indoor unit No. setting value unintended?	All indoor units and outdoor units will be converted to the TCC-LINK type. If you want to connect more than 9 slave Indoor units, set the Indoor unit model name to the TU2C-LINK type and the Wired remote controller to "communicable to TU2C-Link"
Are the TU2C-LINK type and TCC-LINK type settings of the Indoor unit model correct?	All set capability models will be corrected as TCC-LINK type. If you want to change to a TU2C-LINK type, reset the Indoor unit model name to the TU2C-LINK type.
Is model capacity information added in [Edit Model List File] correct?	tsc5 refers to capacity rank information and converts the data. Outdoor unit: Reset the capability model Indoor unit: Reset the capability model information if it is not intended

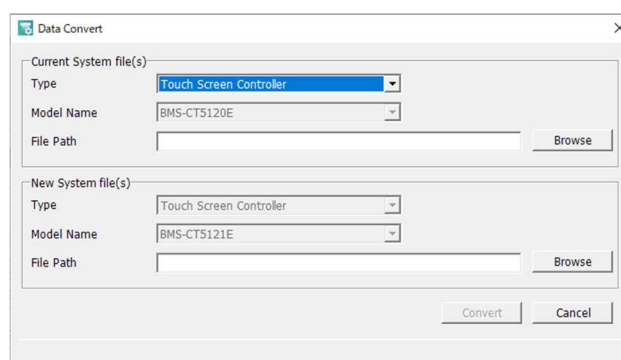
Display the [Data Convert] window

The [Data Convert] window is used to convert setting file data to the setting file data of another Central Control Device.

To convert the data, click [Tool] → [Data Convert] under the file menu of the [Main Menu] screen.



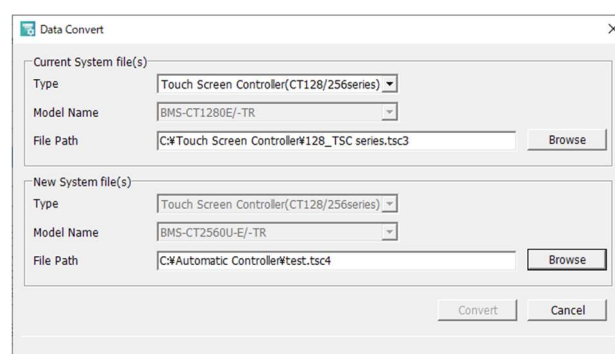
Click to display the [Data Convert] window.



Operate the [Data Convert] window

Data conversion procedure

Select source data for conversion in the Current System file(s) and set the file name to save the converted data in the New System file(s).

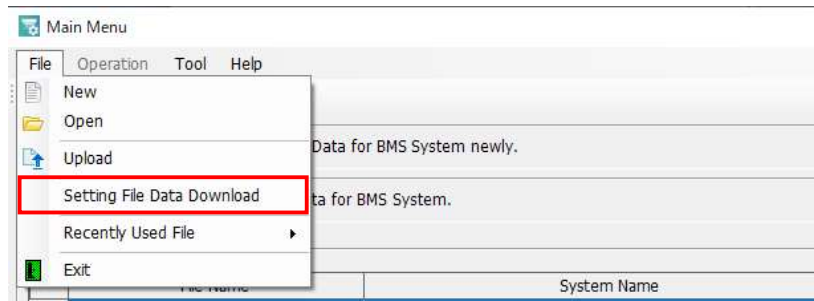


Click the Convert button to save the setting file data in the folder set in the New System file(s).

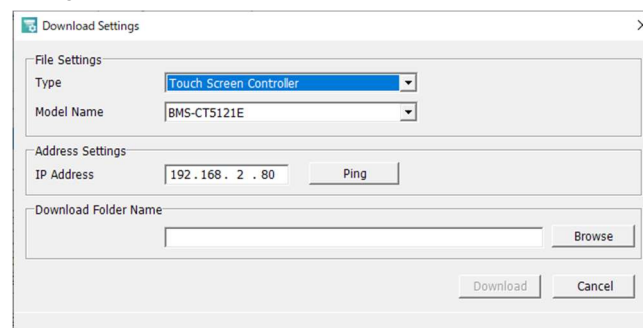
9 Downloading of setting file

Display the [Download Settings] window

Setting file data can be downloaded from the connected Central Control Device. To download Setting file data, click [File] → [Setting File Data Download] under the file menu.

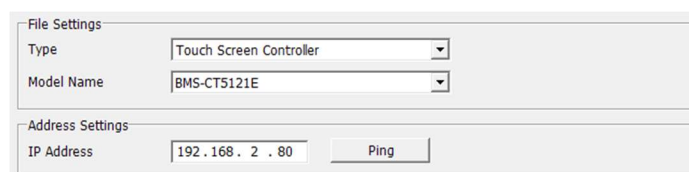


After clicking, the [Download Settings] window appears.



Download procedure

Set the Type, "Model Name" and IP Address of the Central Control Device connected to your PC.



Click the [Browse] button to set the "Download Folder Name".



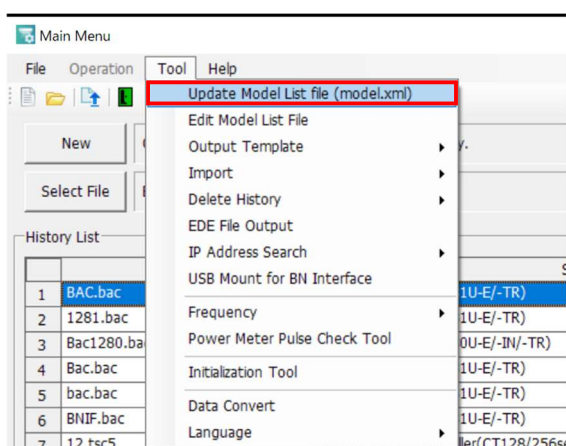
After setting, click the [Download] button

10 Model file

A model file contains model data that can be registered in the “Select indoor unit model window” and “Select outdoor unit model window” of this software. To create a setting file, the selected model must be registered in this file. Also, this data can be updated by replacing or editing this model file.

10.1 Updating a model file

Click [Tool] → [Update Model List File] from [Main Menu] screen and select the model file to update.



After selecting the model file, restart this software.

10.2 Editing a model file

Model files can be edited using “Model List File Editor”. The model information added individually is saved in the database file of only own PC on which this function was executed. Furthermore.

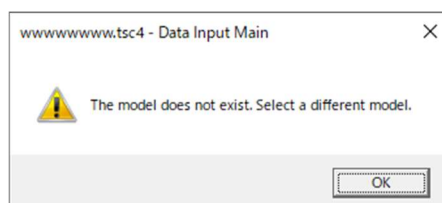
* For BMS-CT2560U-E/-TR/-UL (Ver.10.3.0.0 or later), model edit is not supported due to using capacity model.



Caution

By upgrade the SFC2, the model information in the model file is overwritten and updated to the latest version. Please refer to Page.85 for details.

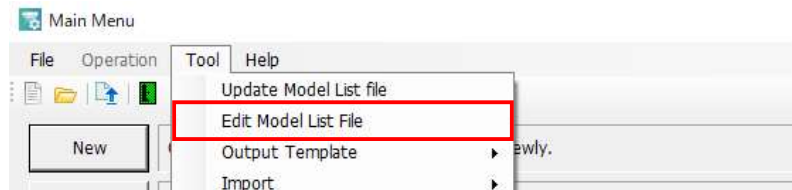
If following pop-up screen is displayed after upgrade, please added the model again.



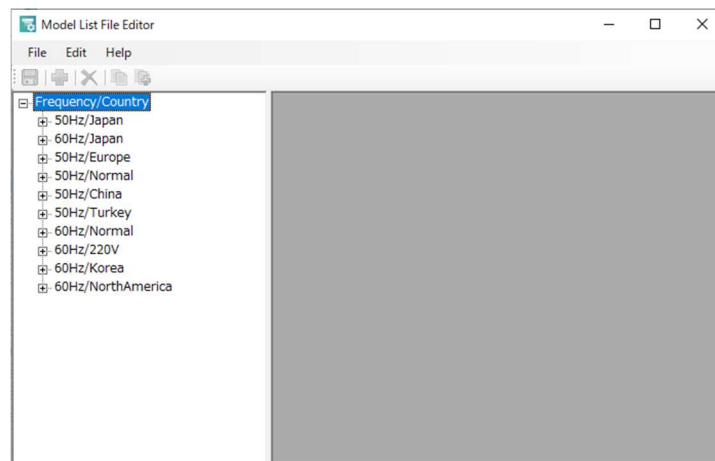
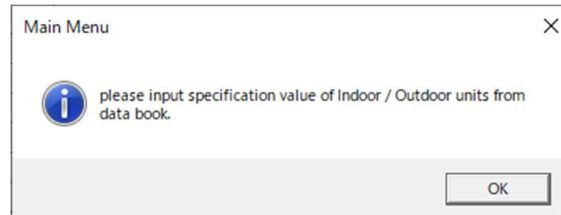
When converting the data of the added model from tsc4 to tsc5, please confirm that the capacity rank information of the converted model is correct.

Start the Model List File Editor

To start the Model List File Editor, click [Tool] → [Edit Model List File] under the file menu of the [Main Menu] screen.

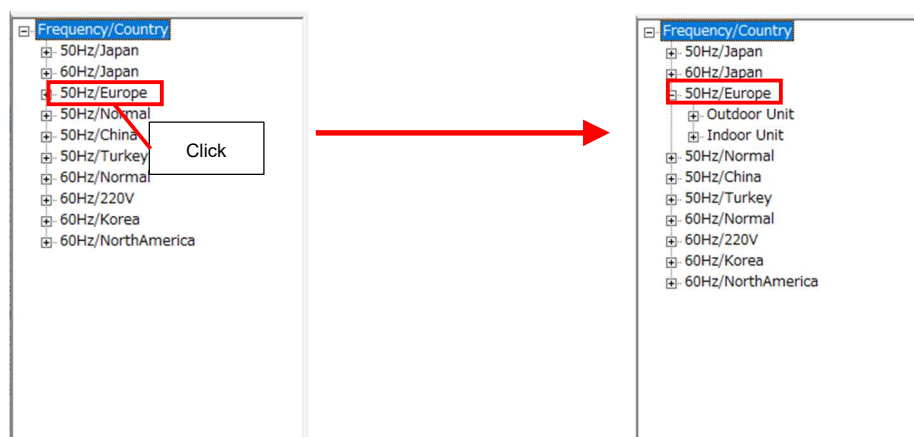


After clicking, a pop-up window appears. Click the [OK] button.



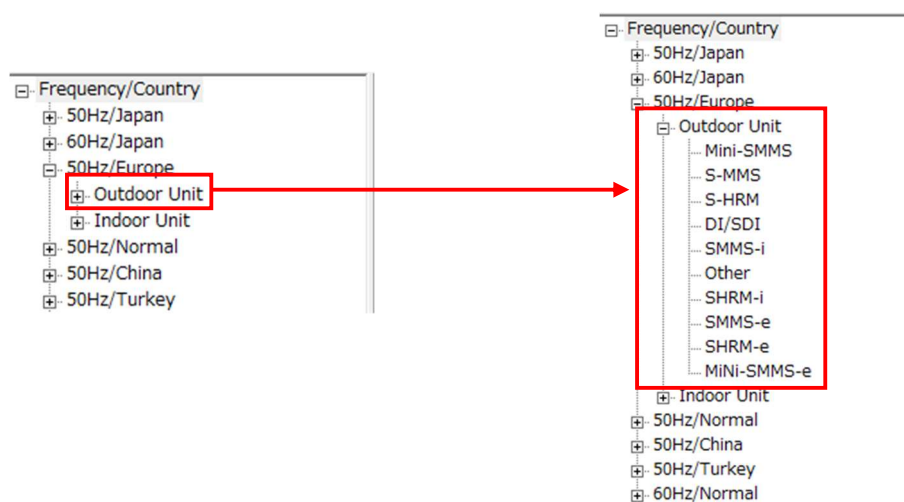
Operate the Model List File Editor

In the [Model List File Editor], the air conditioners are displayed separately for each country. When you expand the tree of the country you wish to edit, a tree of the [indoor units] and [outdoor units] appears.

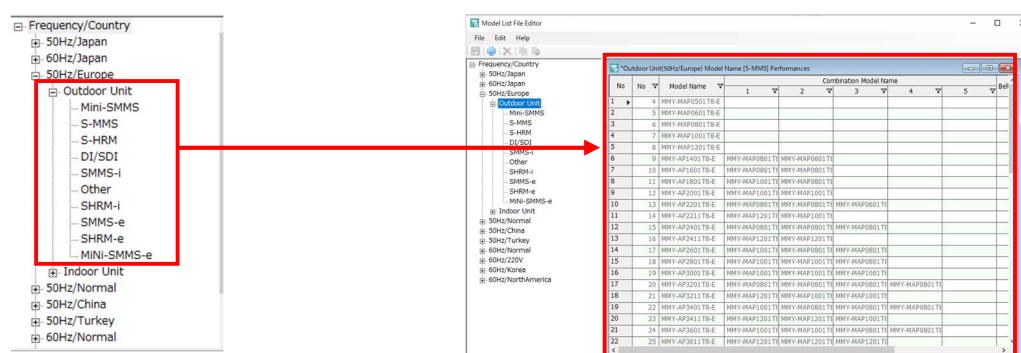


How to edit an outdoor unit

Click the [outdoor unit] to display the series name of the outdoor unit.



Double click the series name to display a list of the models under the series clicked in the right window.

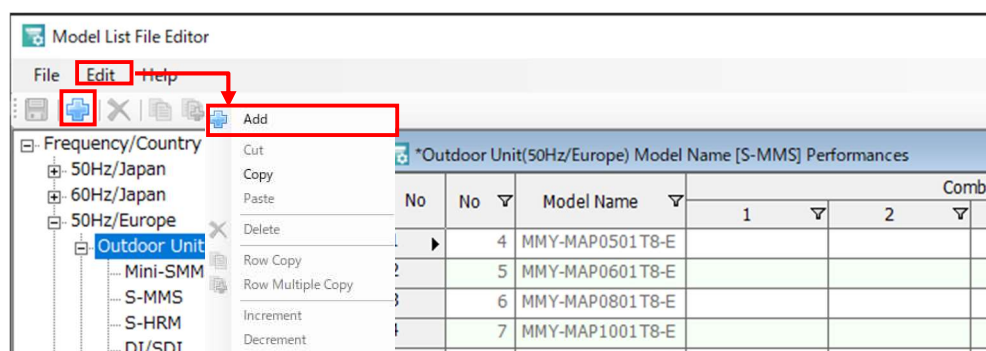


You can edit, add, and perform other operations on the model in the model list window.

*Outdoor Unit(50Hz/Europe) Model Name [S-MMS] Performances						
No	No	Model Name	1	2	3	4
1	4	MMY-MAP0501T8-E				
2	5	MMY-MAP0601T8-E				
3	6	MMY-MAP0801T8-E				
4	7	MMY-MAP1001T8-E				
5	8	MMY-MAP1201T8-E				
6	9	MMY-AP1401T8-E	MMY-MAP0801T8	MMY-MAP0601T8		
7	10	MMY-AP1601T8-E	MMY-MAP0801T8	MMY-MAP0801T8		
8	11	MMY-AP1801T8-E	MMY-MAP1001T8	MMY-MAP0801T8		
9	12	MMY-AP2001T8-E	MMY-MAP1001T8	MMY-MAP1001T8		
10	13	MMY-AP2201T8-E	MMY-MAP0801T8	MMY-MAP0801T8	MMY-MAP0601T8	
11	14	MMY-AP2211T8-E	MMY-MAP1201T8	MMY-MAP1001T8		
12	15	MMY-AP2401T8-E	MMY-MAP0801T8	MMY-MAP0801T8	MMY-MAP0801T8	
13	16	MMY-AP2411T8-E	MMY-MAP1201T8	MMY-MAP1201T8		
14	17	MMY-AP2601T8-E	MMY-MAP1001T8	MMY-MAP0801T8	MMY-MAP0801T8	
15	18	MMY-AP2801T8-E	MMY-MAP1001T8	MMY-MAP1001T8	MMY-MAP0801T8	
16	19	MMY-AP3001T8-E	MMY-MAP1001T8	MMY-MAP1001T8	MMY-MAP1001T8	
17	20	MMY-AP3201T8-E	MMY-MAP0801T8	MMY-MAP0801T8	MMY-MAP0801T8	MMY-MAP0801T8
18	21	MMY-AP3211T8-E	MMY-MAP1201T8	MMY-MAP1001T8	MMY-MAP1001T8	
19	22	MMY-AP3401T8-E	MMY-MAP1001T8	MMY-MAP0801T8	MMY-MAP0801T8	MMY-MAP0801T8
20	23	MMY-AP3411T8-E	MMY-MAP1201T8	MMY-MAP1201T8	MMY-MAP1001T8	
21	24	MMY-AP3601T8-E	MMY-MAP1001T8	MMY-MAP1001T8	MMY-MAP0801T8	MMY-MAP0801T8
22	25	MMY-AP3611T8-E	MMY-MAP1201T8	MMY-MAP1201T8	MMY-MAP1201T8	

Item	Contents	Remarks
No.	Auto no. issuance	
Model Name	Name of outdoor unit	
Combination Model Name	Name of outdoor unit linked	
Belt Heater1	Multi-model: Power of belt heater installed in compressor 1 (kW) DI/SDI model: Enter as shown below according to the capacity. P40~P80...0.02kW P112~P160...0.04kW P224 and above...0.052kW In case Heater is not exist, enter the data as 0.001	0.029
Belt Heater2	Multi-model: Enter the power consumption for two heaters (=heater 1 x 2) Register values even if there is only one heater. DI/SDI model: 0 kW	0.058
Heater for Accumulator	Multi-model: Heater power of the accumulator DI/SDI model: 0 kW	
Communication setting	no use	

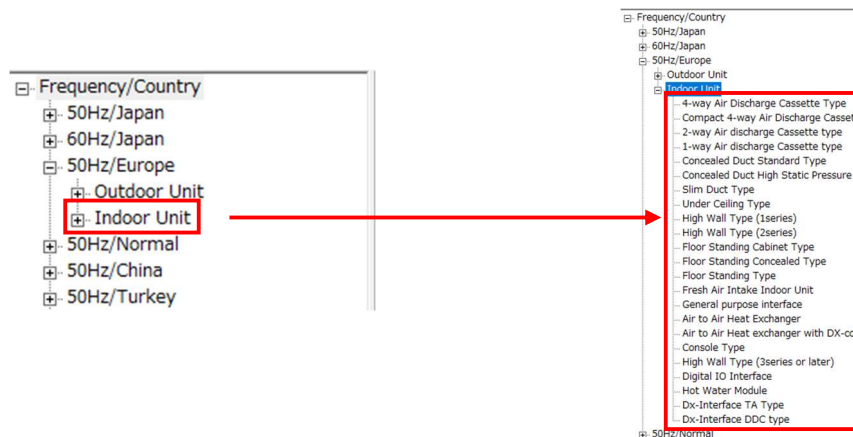
To add or edit, click [Edit] → [Add] under the file menu, or click the [Add] icon under the tool icon.



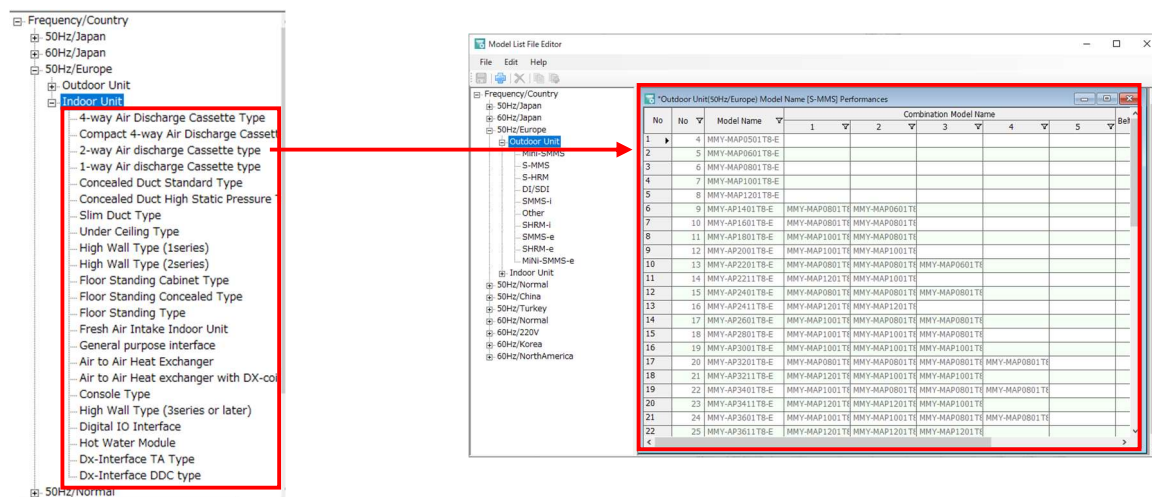
Added items are displayed at the bottom of the table. Describe the details you wish to add according to the table.

How to edit an indoor unit

Click the indoor unit to display the series name of the indoor unit.



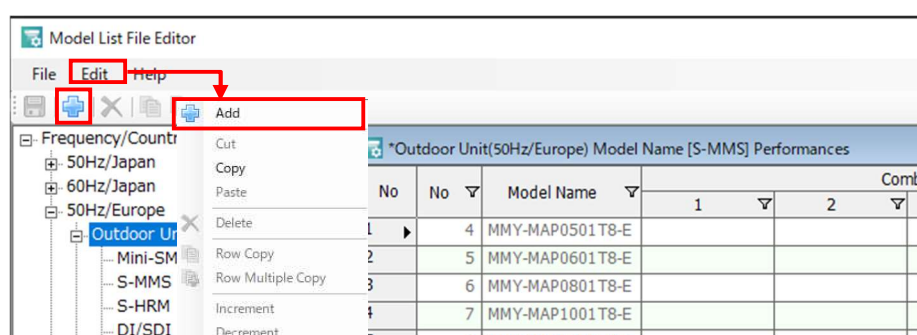
Double click the series name to display a list of the models under the series clicked in the right window.



No	Image	Model Name	Connectable Outdoor Units														Indoor Unit Type For Light Commercial	Combination Model Name					Capacity (Horse Power)	Power Consumption
			Mini	SMHS	SHRM	DI_SD1	SMHS	Other	SHRS	SHMS2	SHRM4	SHRM6	SHMS7	SHMS8	1	2		3	4					
1		MNU-AP0071MH															0						0.80	0.034
2		MNU-AP0091MH															0						1.00	0.036
3		MNU-AP0121MH															0						1.25	0.038
4		MNU-AP0151MH															0						1.70	0.041
5		MNU-AP0181MH															0						2.00	0.052
6		DI2_RAV-SM562MU															75	DI2_RAV-S					2.00	0.052
7		DI3_RAV-SM562MU															77	DI3_RAV-S					2.00	0.052
8		DI2_RAV-SM562MU															85	DI2_RAV-S					2.00	0.104
9		DI3_RAV-SM562MU															87	DI3_RAV-S					4.00	0.104
10		DI3_RAV-SM562MU															94	DI3_RAV-S					6.00	0.156
11		SDI2_RAV-SM562MU															96	SDI2_RAV-					2.00	0.052
12		SDI2_RAV-SM562MU															100	SDI2_RAV-					2.00	0.104
13		SDH_RAV-SM402MU															8	SDH_RAV-					1.50	0.039
14		SDH_RAV-SM452MU															9	SDH_RAV-					1.70	0.041
15		SDH_RAV-SM562MU															1	SDH_RAV-					2.00	0.052
16		SDH_RAV-SM402MU															2	SDH_RAV-					3.00	0.078
17		SDH_RAV-SM562MU															3	SDH_RAV-					4.00	0.104
18		SDH_RAV-SM562MU															5	SDH_RAV-					6.00	0.156
19		DIH_RAV-SM562MU															6	DIH_RAV-S					8.00	0.208
20		MNU-AP0054MH-E															0						0.60	0.034
21		MNU-AP0074MH-E															0						0.80	0.034
22		MNU-AP0094MH-E															0						1.00	0.036
23		MNU-AP0124MH-E															0						1.25	0.038
24		MNU-AP0154MH-E															0						1.70	0.041
25		MNU-AP0184MH-E															0						2.00	0.052

Item name	Contents	Remarks
No.	Auto no. issuance	
Model Name	Name of indoor unit	
Connectable Outdoor Units	Series name of indoor unit to display	
Connect Outdoor Unit No for Light Commercial	Set the No. of the corresponding outdoor unit for DI/SDI model only from outdoor unit > DI/SDI unit	
Combination Model Name	Combination model of indoor unit	
Capacity (Horsepower)	Horsepower of indoor unit	
Power Consumption	Multi: Power consumption of indoor unit DI/SDI: Fan output of the indoor unit	
Communication setting	no use	

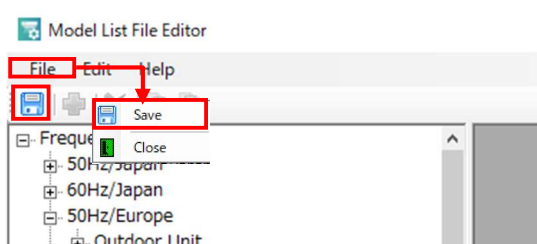
To add or edit, either click [Edit] → [Add] under the file menu, or click the [Add] icon under the tool icon.



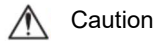
Added items are displayed at the bottom of the table. Describe the details you wish to add according to the table.

How to save edited contents

To save edited contents, click [File] → [Save] under the file menu, or click [Save] icon under the tool icon.



11 How to set up using Template file



Caution

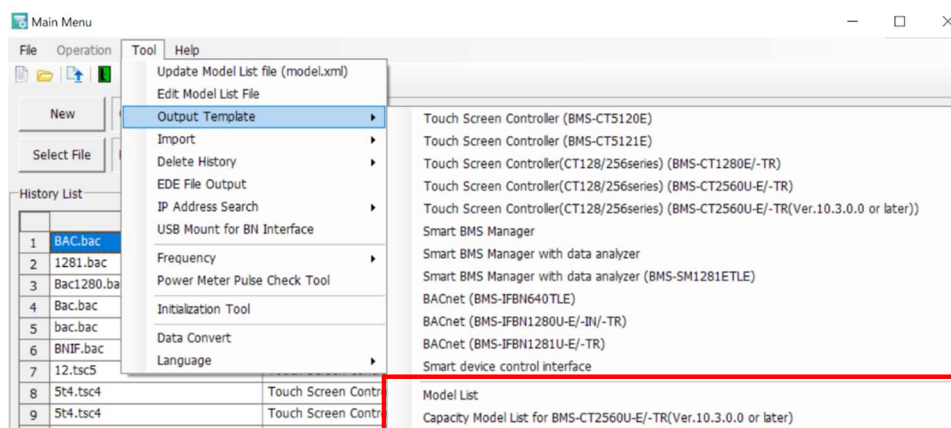
- In this template, Indoor unit, Outdoor Unit, Zone setting, Digital I/O Relay Interface, Energy Monitoring Relay Interface can be set, but system setting, and network cannot be set.
- In this template, it is not possible to set the control using "Peak cut" in BMS-CT1280TU".
If you want to set the control using "Peak cut", set it manually by the using Setting file creation software2 after import.

If you use a template, you can create a Setting file without using "Setting file creation software2" by entering the necessary information in the template file using Excel provided Microsoft and reading it. In this setting, it is necessary to directly enter the model name of the Indoor Unit and Outdoor Unit, also the model name to be entered can only be registered with the model name registered in Setting file creation software2. If you want to check the model name registered in Setting File creation software2, you can output and refer to the model list by following the procedure below. If there is no model name you want to enter in the model list, you can register it in the template file by Editing the model file of Setting File creation software2 and registering the model. Please refer to Editing a model file on Page.79 for details.

11.1 Output Model List

Model names that can be registered in the template can be checked from the model list or capability model list.

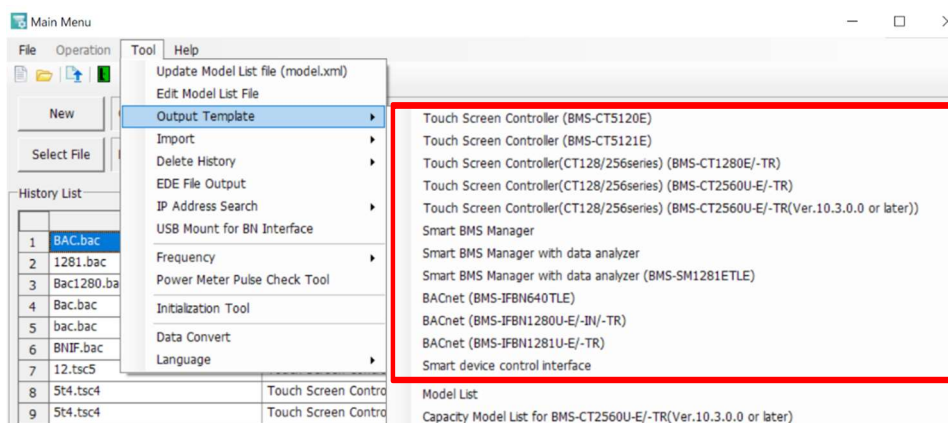
If you want to output the list, click the file menu [Tool] → [Output Template] → [Model list] on the main screen. * In case of BMS-CT2560U-E/-TR/-UL(Ver.10.3.0.0 or later), the indoor unit can be set by entering the capability value from the capability model list of BMS-CT2560U-E/-TR/-UL(Ver.10.3.0.0 or later).



After entering the appropriate file name, click the Save button.

11.2 Download Template file

If you want to get the template file, click the file menu [Tool] → [Output Template], and select the Central Control Device name.



11.3 Entering Configuration Information in Template file

Open the downloaded template file, enter the following information, and save it.

Models other than BMS-CT2560U-E/-TR/-UL(Ver.10.3.0.0 or later)

(1) Building Name		IP Address		192.168.2.80	
-------------------	--	------------	--	--------------	--

No	Air Conditioner Information										Digital I/O Relay Interface		Energy Monitoring			
	Outdoor Name	Outdoor Unit Combination Model Name	Indoor Unit Model Name	LINE No	Line Address	Indoor Unit Address	Group Address	Parent Indoor Unit No.	R.C.group / Indoor Name	Floor Name	Tenant Name	Area Name	Key Input Address - Channel	Fire Alarm Address - Channel	Power Meter (Indoor) Address - Channel	Power Meter (Outdoor) Address - Channel
1																
2																
3																
4	(2)		(3)										(4)			
5																
6																
7																
8																
9																
10																
11																
12																
13																

For BMS-CT2560U-E/-TR/-UL (Ver.10.3.0.0 or later)

Building Name		IP Address		192.168.2.80	
---------------	--	------------	--	--------------	--

(*) Enter one of the following "Capacity type" or "Model type"

No	Outdoor Name	Capacity type: Select the Capacity rank name from pull-down list (*)			Model type: Enter the model name directly (*)		LINE No	Line Address	Indoor Unit Address	Group Address	Parent Indoor Unit No.	R.C.group / Indoor Name	Floor Name	Tenant Name	Area Name	Digital I/O Relay Interface		Energy Monitoring	
		The number of indoor units (1 to 16)	Capacity Rank (kW, 0.5 to 10.0)	Indoor Unit Type	Capacity rank name (HP)	Outdoor Unit Combination Model Name										Indoor Unit Model Name	Key Input Address - Channel	Fire Alarm Address - Channel	Power Meter (Indoor) Address - Channel
1																			
2																			
3																			
4																			
5	(5)																		

No.	Item		Input
(1)	Building name		The building name can be set.
(2)	Outdoor Name		Enter the name to be set for the outdoor unit.
	Outdoor Unit Combination Model name		Enter the model name of the outdoor unit.
(3)	Indoor unit Model name		Enter the model name for the Indoor unit.
	LINE No		Enter the LINE to connect to the centralized management equipment to be imported.
	Line Address		Enter the Line address.
	Indoor unit Address		Enter the Indoor unit Address.
	Group address		Cannot be entered.
	Parent Indoor unit No.		Enter the Parent Indoor unit No.
	R. C. group / Indoor name		Enter a R. C. group / Indoor name.
	Floor Name		Please enter the name of the floor where the indoor unit will be installed.
	Tenant Name		Enter the name of the tenant where the indoor unit will be installed.
	Area Name		Please enter the name of the area where the indoor unit will be installed.
(4)	Digital I/O Relay Interface	Key Input	Enter [Address] - [Channel] for which lock input is set. *
		Fire Alarm (*1)	Enter [Address] - [Channel] to set the fire alarm input. *
	Energy Monitoring Relay Interface	Power Meter (Indoor)	Enter [Address] - [Channel] of the power meter to be connected to the Indoor unit. *
		Power Meter (Outdoor)	Enter [Address] - [Channel] of the power meter to be connected to the Outdoor unit. *

Example : Set [2-1] for lock input. Set lock input to channel 1 of address 2.

(*1) Only Global

No.	Item		Input
(5)	Capacity Type	The number of Combination Unit	Select the number of coupled outdoor units. (Multi only)
		Capacity rank	Select the capacity model information for the Outdoor Unit. (Multi only)
		Indoor Unit Type	Select the type of indoor unit.
		Capacity rank name(HP/Ton)	Select the capacity model information for the Indoor Unit.
	Model Type	Outdoor unit combination type name	Enter the model name of the Outdoor Unit.
		Indoor unit type name	Enter the model name for the Indoor Unit. Convert the entered model information into capability types.

<Note :Only Global>

* Please register "Air To Water series" with the following series name (same as SFC2 model selection screen).

Indoor Unit : HWT-60*Series / HWT-110*Series / HWT-140*Series

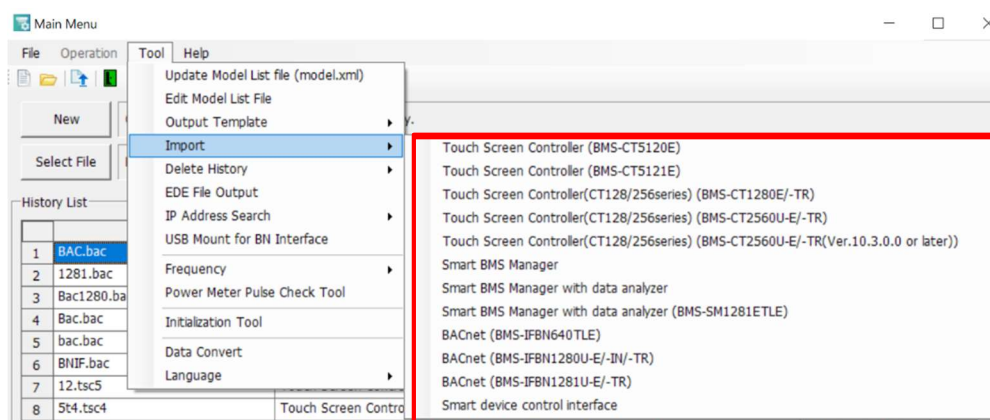
Outdoor Unit : HWT-*(outdoor unit)

:Available Line address for each unit type

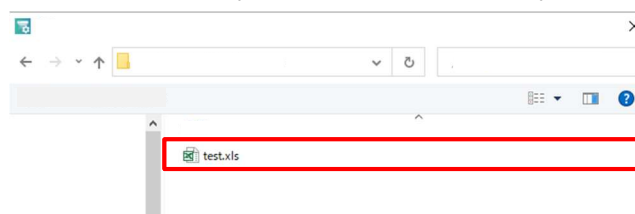
		Line address					Indoor unit address
		1-28	29-30	31	32	33-128	
Multi	TU2C-LINK type	X					1-128
	TCC-LINK type	X					1-64
DI/SDI	TU2C-LINK type	X	X			X	1-128
	TCC-LINK type	X	X				1-64
Heat Recovery Ventilation Unit General purpose Interface	TU2C-LINK type			X		X	1-128
	TCC-LINK type			X			1-64
RAC I/F	LC AC type		29				1-128
	R AC type		29				
ATW	TU2C-LINK type	X	X			X	

Import Template file

After entering the necessary information for the template, it must be loaded into Setting file creation software2 (hereinafter referred to as "import"). Hover over the [Tools] → [Import] (red frame) in the menu, and select the template of the model you want to import.



After selecting a template, the open screen is displayed. Select the template file you want to import.



* If there are any blanks in the air conditioner information in the import file, or if it is created with an unregistered model name or incorrect configuration information, it cannot be imported. Please add or correct according to the displayed error content.

When the import is complete, the editing screen of the settings file creation software 2 will be displayed. On the settings file creation software 2 screen, check the settings such as the imported content and system settings, and if there are no problems, save the settings file, output the def file, and upload it. If you need to make changes, please edit them directly from the editing screen.

12 About Setting file creation software2 upgrade

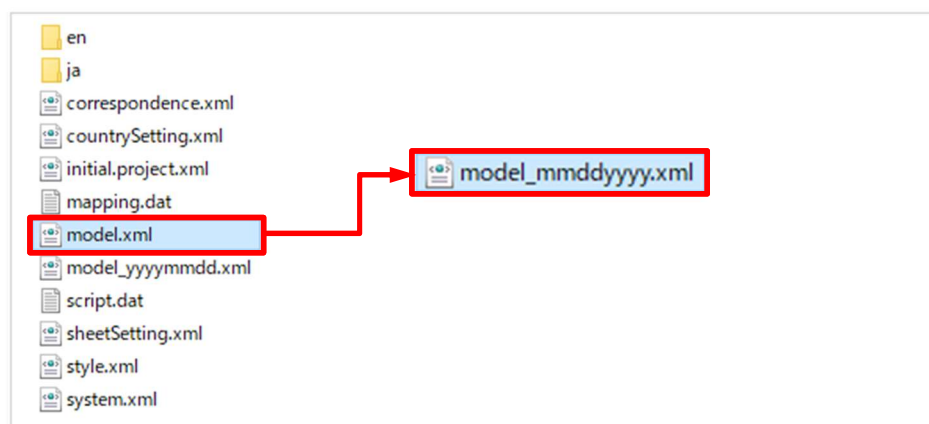
When you upgrade the version of "Setting file creation software 2", the Model file with the latest data will overwrite. If you have edited the Model file, please refer to Page.79 and upgrade the version.

If you have upgraded the version of "Setting file creation software 2" and the model information in the Model file has not been updated to the latest version, follow the procedure below.

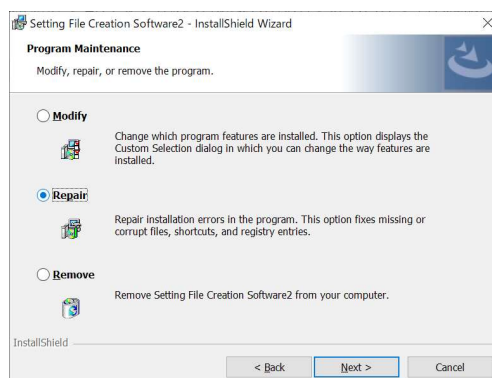
【Procedure】

1. Rename model.xml in the following folder.

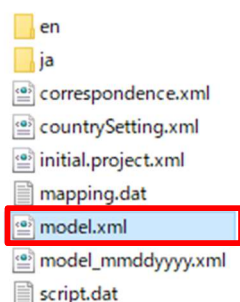
【Example】



2. Launch Setup.exe
3. Click "Next" and select "Repair" from the screen below.



4. Click "Next" to install.
5. After the repair is complete, make sure that "model.xml" is added.



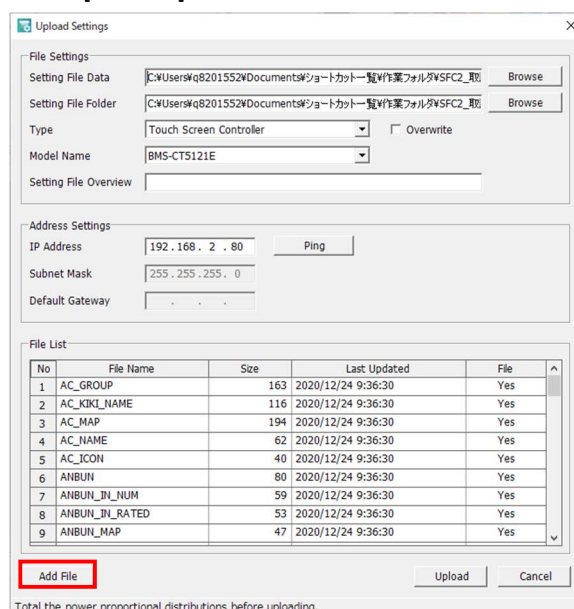
13 Appendix

The owner's manual provides information on the functions specific to each Central Control Device.

13.1 Touch screen controller

Uploading of layout data files

Upload layout data of the layout window to be displayed in the Central Control Device. To upload layout data, display the [Upload Settings] window, then click the [Add File] button at the bottom left of the window.

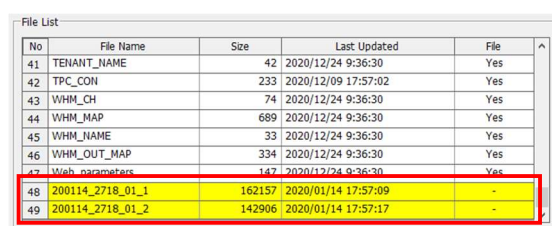


No	File Name	Size	Last Updated	File
1	AC_GROUP	163	2020/12/24 9:36:30	Yes
2	AC_KIKI_NAME	116	2020/12/24 9:36:30	Yes
3	AC_MAP	194	2020/12/24 9:36:30	Yes
4	AC_NAME	62	2020/12/24 9:36:30	Yes
5	AC_ICON	40	2020/12/24 9:36:30	Yes
6	ANBUN	80	2020/12/24 9:36:30	Yes
7	ANBUN_IN_NUM	59	2020/12/24 9:36:30	Yes
8	ANBUN_IN_RATED	53	2020/12/24 9:36:30	Yes
9	ANBUN_MAP	47	2020/12/24 9:36:30	Yes

After clicking, the file selection window appears.

Select layout data (.PNG), or air conditioner position data file (LayoutInformation.xml) to display in the layout window and add them to the upload targets.

Added files are highlighted in yellow.

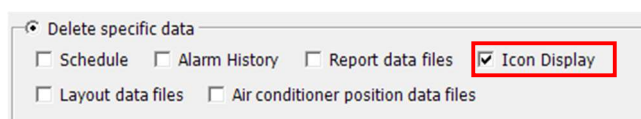


No	File Name	Size	Last Updated	File
41	TENANT_NAME	42	2020/12/24 9:36:30	Yes
42	TPC_CON	233	2020/12/09 17:57:02	Yes
43	WHM_CH	74	2020/12/24 9:36:30	Yes
44	WHM_MAP	689	2020/12/24 9:36:30	Yes
45	WHM_NAME	33	2020/12/24 9:36:30	Yes
46	WHM_OUT_MAP	334	2020/12/24 9:36:30	Yes
47	Web_parameters	147	2020/12/24 9:36:30	Yes
48	200114_2718_01_1	162157	2020/01/14 17:57:09	-
49	200114_2718_01_2	142906	2020/01/14 17:57:17	-

Click the [Upload] button to upload the files added in addition to the normal upload.

To delete icon data

Icon data of each &Tree (floor, tenant, area) and each indoor unit is available in "BMS-CT5120" and "BMS-CT5121". To delete icon data, tick the Icon Display and follow the initialization procedure for specific data on Page.65.



13.2 Touch screen controller (CT128/256 series)

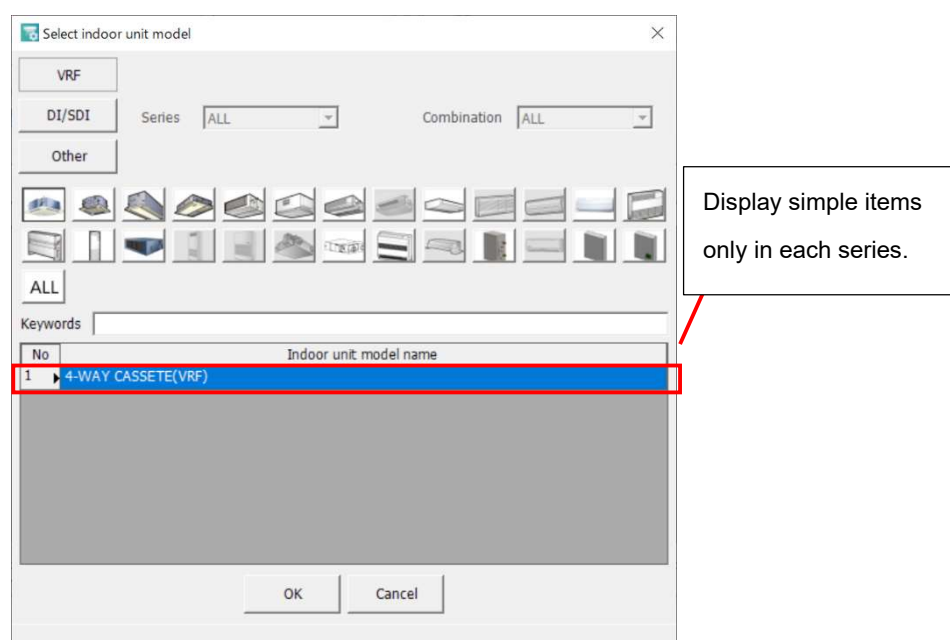
Simplified mode

In this mode, setting can be carried out by the type only without having to select the model name of the air conditioner and set the “Simply Setting Mode Valid/Void” item to [1: Valid] in the [System] tab. In addition, there is no longer any need to set the [outdoor] tab.

To set the system to the simplified mode, change the setting in the “Simply Setting Mode Valid/Void” item under the [System] tab to [1: Valid].



When “Simply Setting Mode Valid/Void” is enabled, a window to “Select indoor unit model” appears as shown in the image. You will be able to set the indoor unit regardless of the model name.



Interlocking for ON/OFF Answerback Signal of External Unit

With the Touch screen controller (CT128/256 series), devices such as RAC can be connected by digital input / output and Interlocking for ON/OFF Answerback Signal can be performed.

What is Interlocking for ON/OFF Answerback Signal of External Unit...This control uses the digital input / digital output (DigitalInput=DI/DigitalOutput=DO) of the Touch Screen Controller(CT128/256 series) to match the control signal status with the monitoring signal status in the settings for start / stop control(DO) and monitoring(DI) for External Units.

If you want to reflect the result of the operation in Wired remote controller on the screen of Touch Screen Controller (CT128/256 series) and the result of the operation in Touch Screen Controller (CT128/256 series) on the screen of Wired remote controller, please set Interlocking for ON/OFF Answerback Signal to "Yes".



Caution

- This setting can be set from the GUI version of the Touch screen controller (CT128/256 series)"10.2.21.0" or later.
- When controlling and monitoring the Interlocking for ON/OFF Answerback Signal of External Units by connecting a digital input / output interface to control the operation and stop with an External Unit, wait at least 15 seconds for the next operation after one operation.

Set each channel of Digital I / O interface or Controller Built In I / O to connect to External Unit.

For details, refer to Page.28 [Interface Setting] tab.

Digital I/O			Digital I/O	
Unit number	name	channel	I/O Function	Signal logic
Controller Built In I/O	CT_IN-1	IN	1 10 :ON / OFF Display Input	1: positive logic
	CT_IN-2		2 11 :Alarm Display Input for	1: positive logic
	CT_IN-3		3 0 :No setting	1: positive logic
	CT_IN-4		4 0 :No setting	1: positive logic
	CT_IN-5		5 0 :No setting	1: positive logic
	CT_IN-6		6 0 :No setting	1: positive logic
	CT_IN-7		7 0 :No setting	1: positive logic
	CT_IN-8		8 0 :No setting	1: positive logic
	CT_OUT-1	OUT	1 10 :Turn ON/OFF Signal O	-
	CT_OUT-2		2 0 :No setting	-
	CT_OUT-3		3 0 :No setting	-
	CT_OUT-4		4 0 :No setting	-
No.1	DIO-1-1_IN-1	IN	1 10 :ON / OFF Display Input	1: positive logic
	DIO-1-1_IN-2		2 11 :Alarm Display Input for	1: positive logic
	DIO-1-1_IN-3		3 0 :No setting	1: positive logic
	DIO-1-1_IN-4		4 0 :No setting	1: positive logic
	DIO-1-1_IN-5		5 0 :No setting	1: positive logic
	DIO-1-1_IN-6		6 0 :No setting	1: positive logic
	DIO-1-1_IN-7		7 0 :No setting	1: positive logic
	DIO-1-1_IN-8		8 0 :No setting	1: positive logic
	DIO-1-1_OUT-1	OUT	1 10 :Turn ON/OFF Signal O	-
	DIO-1-1_OUT-2		2 0 :No setting	-

Go to the [External Unit] tab and set the control contents set in the [Interface Settings] tab to the External Unit connected to the Controller Built In I/O or Digital I/O Interface of the Touch screen controller (CT128/256 series).

For details, refer to the [External Unit] tab on page 47.

SFC2_Interlocking for ONOFF Answerback signal.tsc4* - Data Input Main

No	ON / OFF Display Input name	Alarm Display Input name	Turn ON/OFF Signal Output name	Interlocking for ON/OFF Answerback Signal
1	CT_IN-1	CT_IN-2	CT_OUT-1	No
2	DIO-1-1_IN-1	DIO-1-1_IN-2	DIO-1-1_OUT-1	No
3	DIO-1-2_IN-1	DIO-1-2_IN-2	DIO-1-2_OUT-1	No

If you want to set Interlocking for ON/OFF Answerback Signal in the set External Unit, set the Interlocking for ON/OFF Answerback Signal item to Yes.

SFC2_Interlocking for ONOFF Answerback signal.tsc4* - Data Input Main

No	ON / OFF Display Input name	Alarm Display Input name	Turn ON/OFF Signal Output name	Interlocking for ON/OFF Answerback Signal
1	CT_IN-1	CT_IN-2	CT_OUT-1	Yes
2	DIO-1-1_IN-1	DIO-1-1_IN-2	DIO-1-1_OUT-1	No
3	DIO-1-2_IN-1	DIO-1-2_IN-2	DIO-1-2_OUT-1	No

If you select "Yes", the following pop-up screen will be displayed. Please check the contents and click the [OK] button.



Click the [OK] button to set Interlocking for ON/OFF Answerback Signal.

About digital input / output

With the Touch screen controller (128/256 series), you can directly connect a power meter or external unit to the product.

When connecting, follow the input conditions below. (GUI version : 10.2.22.0 previous product)

【When connecting a watt-hour meter to the Controller Built in I/O】

- Input with a pulse width of 50 msec or more.

【When connecting an External unit to the Controller Built in I/O】

- Input by static signal.

【When connecting to an Energy monitoring relay interface】*

- Input with a pulse width of 50 msec or more.

【When connecting to a Digital input/output interface】*

- Input by static signal.

* Please refer to each installation manual for the detailed contents of "Energy monitoring relay interface" and "Digital input/output interface".

13.3 BACnet interface

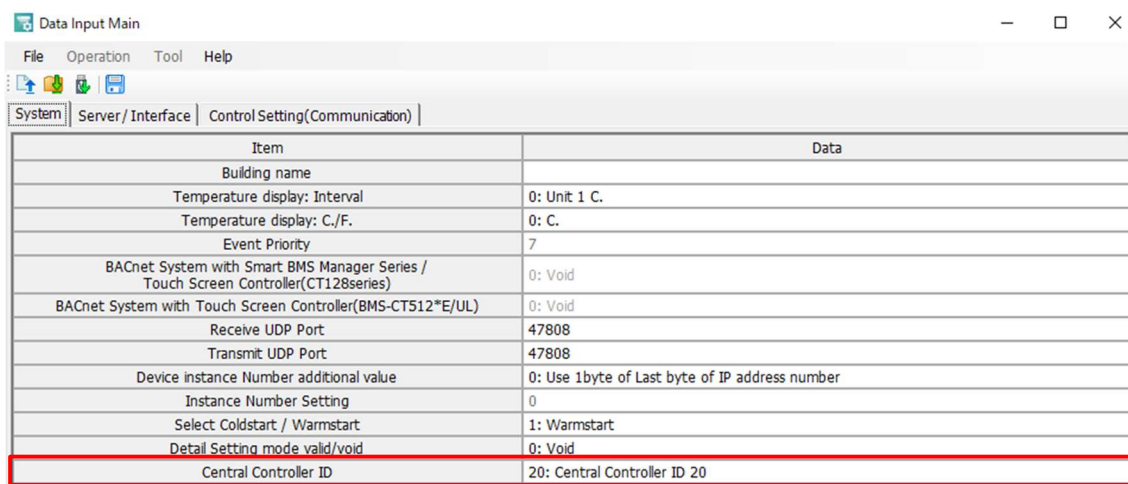


Caution

About connection of "Air To Water series"

When connecting the "Air To Water series", be sure to set the "Central Controller ID" setting of "System Tab" to "Central Controller ID 1 to 20".

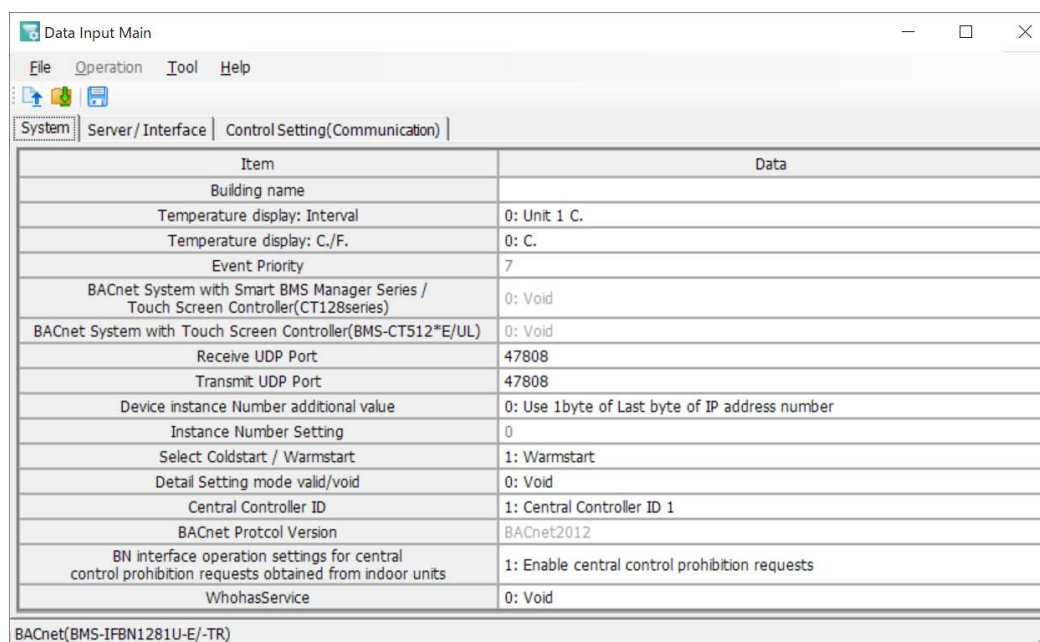
If you set the "old controller settings", you will not be able to connect to "Air To Water series".



Depending on the selected BACnet interface, the displayed screens, messages, and initial value settings will differ.

[System] tab

The [system] tab is used to configure the various settings of the BACnet interface.



Item	Contents	Remarks
Event Priority	The priority of the event sent by BACnet interface	0~255
BACnet System with Smart BMS manager Series/Touch screen controller (CT128series)	Combined use with "Smart BMS manage", "Touch screen controller (CT128/256series)"	0: Void 1: Valid (*1)
BACnet System with Touch screen controller (BMS-CT512*E/UL)	Combined use with Touch screen controller	0: Void 1: Valid (*1)
Receive UDP Port	Port no. of the BACnet communication port used for reception	47808~47823 (0xBAC0~0xBACF)
Transmit UDP Port	Port no. of the BACnet communication port used for transmission	47808~47823 (0xBAC0~0xBACF)
Device instance Number additional value		0: Insert the 4th byte of the IP address in the lower 1 byte 1: Insert the 3rd and 4th bytes of the IP address in the lower 2 bytes 2: Instance no. of arbitrary setting
Instance Number Setting	Instance no.	0~4194303 (Input allowed when device instance no. = 2)
Select Coldstart/Warmstart	Coldstart: Start after conducting an indoor unit search Warmstart: Start without conducting an indoor unit search	0: Coldstart 1: Warmstart
5 Fan Speed setting valid/void		0: void 1: valid
Detail Setting mode valid/void	Sets the air conditioner without searching for the indoor unit and allows each object to be set	0: void 1: valid (*2)
Central Control ID (*1)	The central controller ID number indicates the Uh Line address and communication priority for the Uh Line compatible Central Control Device. *Note: Central ID initial value and range are different for selected BACnet interface. BMS-IFBN1280: 20: Central controller ID 20 (default) BMS-IFBN1281: 1: Central controller ID 1 (default)	1: Central controller ID 1 2: Central controller ID 2 3: Central controller ID 3 4: Central controller ID 4 5: Central controller ID 5 6: Central controller ID 6 7: Central controller ID 7 8: Central controller ID 8 9: Central controller ID 9 10: Central controller ID 10 11: Central controller ID 11 12: Central controller ID 12 13: Central controller ID 13 14: Central controller ID 14 15: Central controller ID 15 16: Central controller ID 16 17: Central controller ID 17 18: Central controller ID 18 19: Central controller ID 19 20: Central controller ID 20 21: Old controller Setting
BN interface operation settings for central control prohibition requests obtained from indoor units (*3)	BN interface operation settings for central control prohibition requests obtained from indoor units	1: Enable central control prohibition requests. (default) 2: Disable central control prohibition requests. 3: Partially disable central control prohibition requests. (operation ON/OFF).
WhohasService	Set to enable Who-has settings	0: Void 1: Valid

(*1) Settings are required for the following models, when "21: Old controller Setting" is selected in Central Control ID

- Smart BMS manager(BMS-SM128*)
- Touch screen controller(BMS-CT512*)
- Touch screen controller(128/256series) (BMS-CT128*,BMS-CT256*)

(*2) Connected model information must be entered in the Indoor and Outdoor tabs.

(*3) Only BMS-IFBN1281

[Control Setting (communication)] tab

You can set [RegisterForeignDevice] on the Control Setting (Communication) tab.

No	IP address	Subnet Mask	Port Number	smission Interval(seco

If detail setting mode is valid on [System tab], [Object] tab and [RegisterForeignDevice] tab is displayed.

No	IP address	Subnet Mask	Port Number	smission Interval(seco

RegisterForeignDevice

You can set the external device to connect

Add an external device

You want to add an external device, click the [Add] button and enter the "IP address" and "Subnet Mask" of the external device to be added.

No	IP address	Subnet Mask	Port Number	smission Interval(seco

Delete the external device

You want to delete the registered external device, click the [No.] of the external device, you want to delete to select it, and then click the [Delete] button.

No	IP address	Subnet Mask	Port Number	smission Interval(seco
1	192.168.2.45	255.255.255.0	47808	60
2	192.168.2.50	255.255.255.0	47808	
3	192.168.2.100	255.255.255.0	47808	

Object

You can set the property value of the BACnet interface object.

No	Object	Object Type	Event Transmit	Event judgment time[s]	COV ON/OFF	Event State	Status Flags	Limit Enable
1	ON/OFF	BO	☒ NORMAL ☒ OFFNORMAL ☐ FAULT	120	OFF	☒ NORMAL ☒ OFFNORMAL ☒ FAULT	☒ IN ALARM ☒ FAULT	
2	ON/OFF Status	BI	☒ NORMAL ☒ OFFNORMAL ☒ FAULT	0	OFF	☒ NORMAL ☒ OFFNORMAL ☒ FAULT	☒ IN ALARM ☒ FAULT	
3	Alarm	BI	☒ NORMAL ☒ OFFNORMAL ☒ FAULT	0	OFF	☒ NORMAL ☒ OFFNORMAL ☒ FAULT	☒ IN ALARM ☒ FAULT	
4	Operation Mode Control	MO	☒ NORMAL ☒ OFFNORMAL ☐ FAULT	120	OFF	☒ NORMAL ☒ OFFNORMAL ☒ FAULT	☒ IN ALARM ☒ FAULT	
5	Operation Mode Monitor	MI	☒ NORMAL ☒ OFFNORMAL ☒ FAULT	0	OFF	☒ NORMAL ☒ OFFNORMAL ☒ FAULT	☒ IN ALARM ☒ FAULT	
6	Fan Speed Control	MO	☒ NORMAL ☒ OFFNORMAL ☐ FAULT	120	OFF	☒ NORMAL ☒ OFFNORMAL ☒ FAULT	☒ IN ALARM ☒ FAULT	

BACnet(BMS-IFBN1280U-E/-IN/-TR)

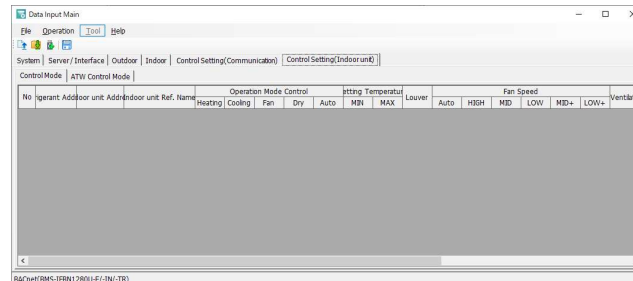
Item	Contents	Remarks
Event Transmit	Setting Event Enable property	Normal OFFNORMAL FAULT
COV ON/OFF	COV transmission settings	OFF ON
Event State	Setting Event State property	Normal OFFNORMAL FAULT
Status Flags	Setting Status Flags property	IN_ALARM FAULT
Limit Enable	Setting Limit Enable property	lowLimitEnable highLimitEnable
Event Priority	Event Priority	0~255 The initial value is the Event Priority value of the [System] tab.

[Control Setting (Indoor unit)] tab

You can set the setting range such as Operation Mode and Setting Temperature in Control Mode.

In addition, if you add the ATW as indoor unit, ATW control can be set in [ATW Control Mode] tab.(*1)

(*1) Only Global



Control Mode tab

Item	Contents	Remarks
Operation Mode Control	Operation Mode Control setting range	Heating Cooling Fan Dry Auto
Setting Temperature	Setting temperature setting range	MIN MAX
Louver	Louver settings	no use use
Fan Speed	Fan Speed setting range	Auto HIGH MID LOW MID+ LOW+
Ventilation	Ventilation ON / OFF setting	no use use
Ventilation Fan Speed	Ventilation Fan Speed setting range	High Middle Imbalanced Fan
Ventilation Mode	Ventilation Mode setting range	Bypass Heat exchange Auto 24H Night

ATW Control Mode tab

You can set the initial setting for Zone1 and Zone2 in ATW Control Mode.

Item	Contents	Remarks
Operation Mode Control	Operation Mode Control setting range	Heating Cooling
Zone1 use	Zone1 settings	no use use
Zone2 use	Zone2 settings	no use use
Hot Water use	Hot water settings	no use use
Zon1/2 temp mode	Zon1/2 temp control setting	Water temp control Room temp control
Zone1 heating temp setting	Setting temperature setting range	MIN MAX
Zone2 heating temp Setting	Setting temperature setting range	MIN MAX
Zone1 cooling temp Setting	Setting temperature setting range	MIN MAX
Zone2 cooling temp Setting	Setting temperature setting range	MIN MAX
Hot Water temp Setting	Setting temperature setting range	MIN MAX
Zone1 Control temp	Control temperature setting range	MIN MAX
Zone2 Control temp	Control temperature setting range	MIN MAX
Hot Water Control temp	Control temperature setting range	MIN MAX
Option ON/OFF	Function setting	Auto Temp Night setback Frost protection Anti Bacteria

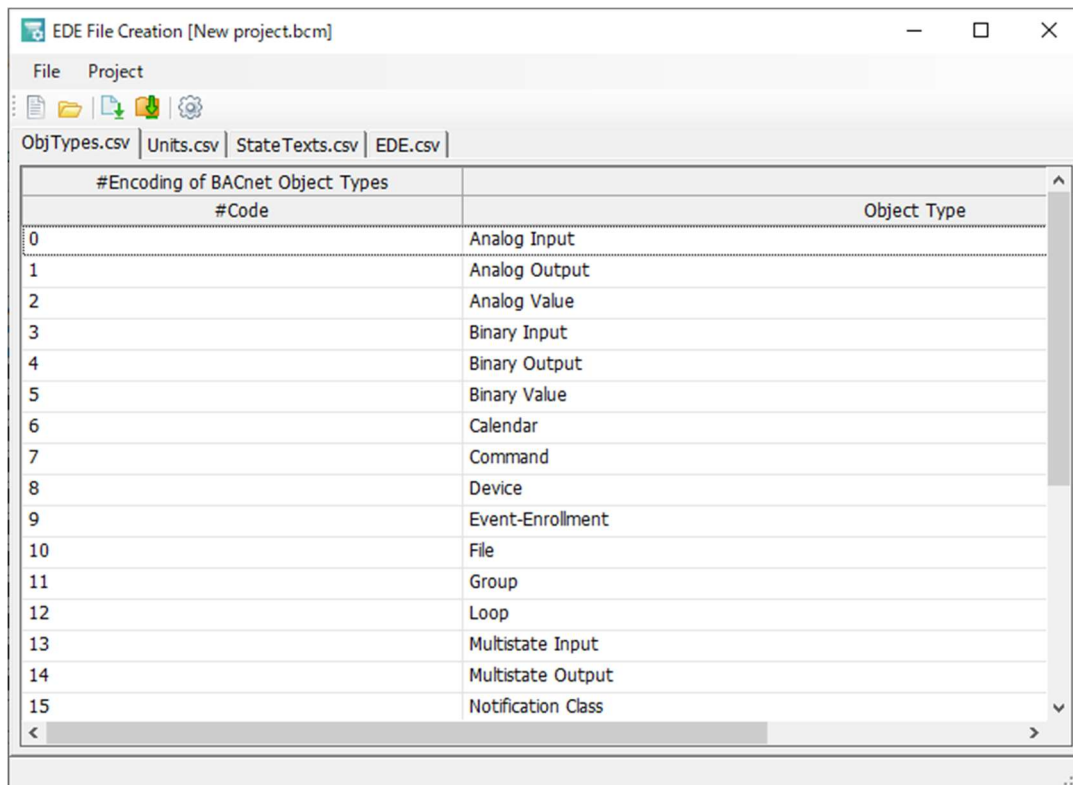
13.4 Output of EDE file

About EDE File

The Engineering Data Exchange (EDE) file shall help to exchange engineering data, such as data point types, data point addresses and special data point presentation information in a standardized form.

Output EDE file (.csv) by importing the setting file data (.bac) from the "EDE file creation screen".

This EDE file is used by the host system, but not the ability to upload the file to the host system.

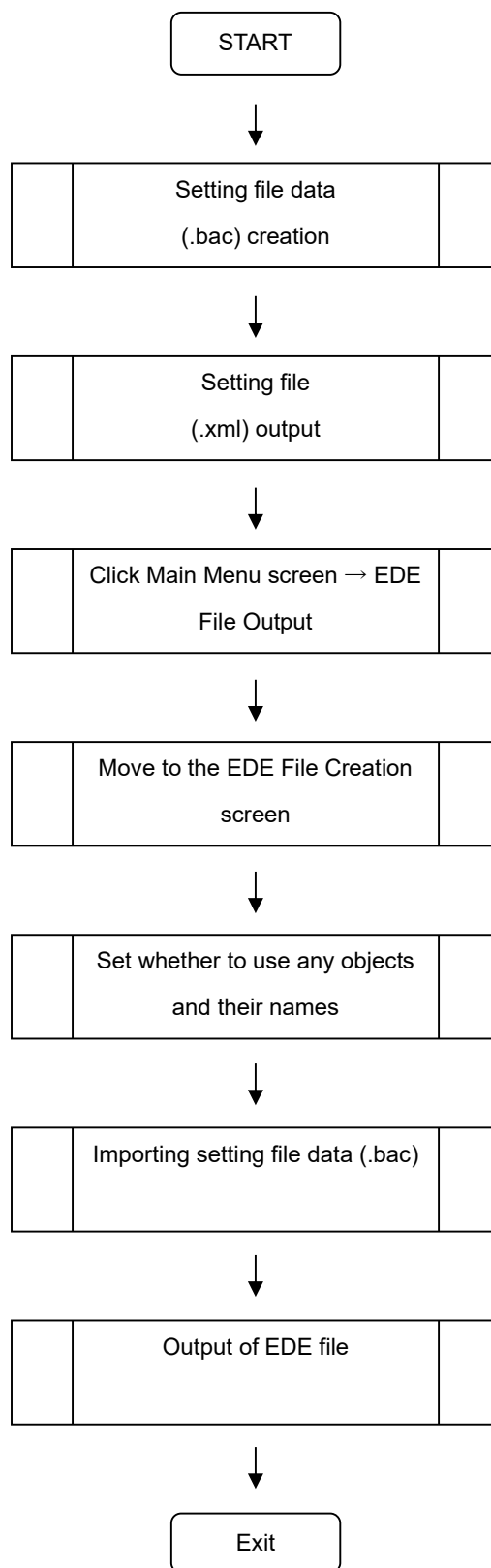


The screenshot shows a software window titled "EDE File Creation [New project.bcm]". It has a menu bar with "File" and "Project", and a toolbar with icons for file operations. Below the toolbar is a tabbed interface with four tabs: "ObjTypes.csv", "Units.csv", "StateTexts.csv", and "EDE.csv". The "ObjTypes.csv" tab is active, displaying a table with the following data:

#Encoding of BACnet Object Types	
#Code	Object Type
0	Analog Input
1	Analog Output
2	Analog Value
3	Binary Input
4	Binary Output
5	Binary Value
6	Calendar
7	Command
8	Device
9	Event-Enrollment
10	File
11	Group
12	Loop
13	Multistate Input
14	Multistate Output
15	Notification Class

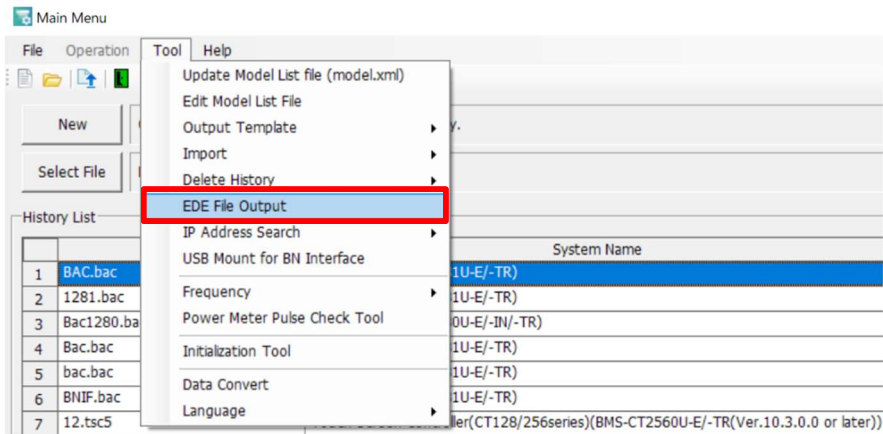
Flow chart until the EDE file output

Follow the flow chart below to output CSV files.

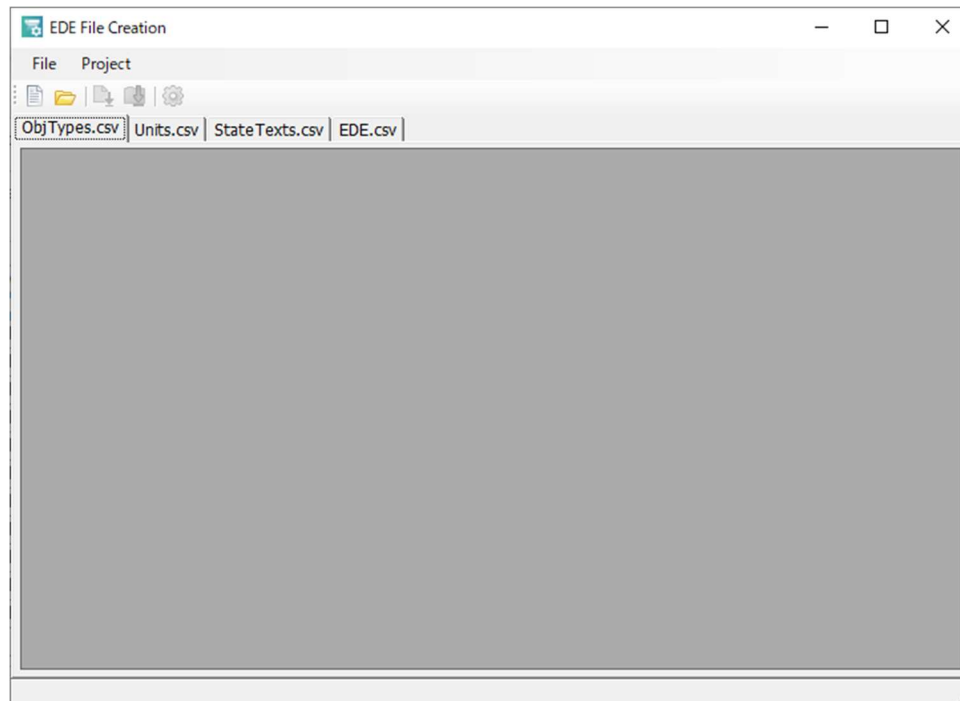


To move to the EDE file output window

Click the file menu [Tool] → [EDE File Output] in the [Main Menu] screen.



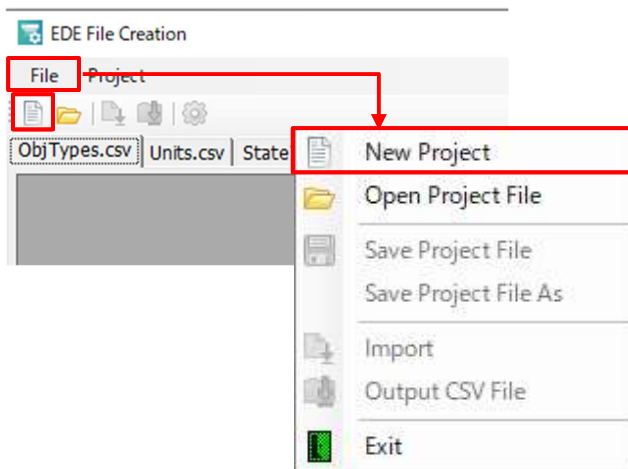
After clicking, the “EDE File Creation” window appears.



To create and open an EDE file

Create a new EDE file

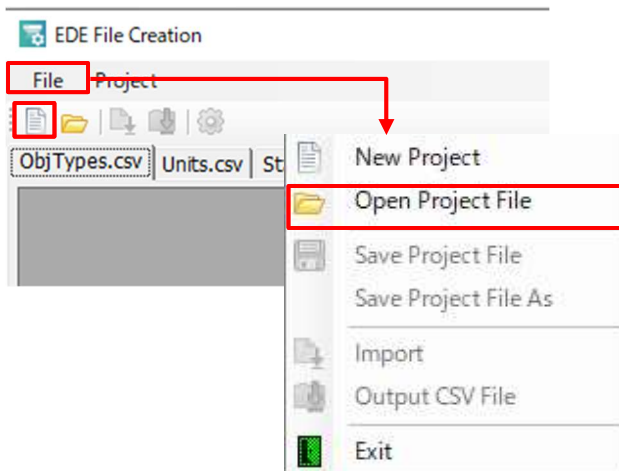
To create a new EDE file, click [File] → [New Project] under the file menu, or click [New Project] under the tool icon.



Displays the file save window. Save the newly created EDE file.

Open existing EDE file

To open an existing EDE file, click [File] → [Open Project File] under the file menu, or click [Open Project File] under the tool icon.

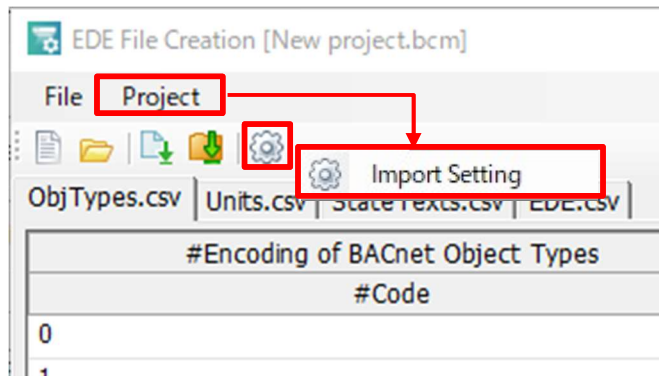


A window to select the EDE file to open will appear. Select a file to open.

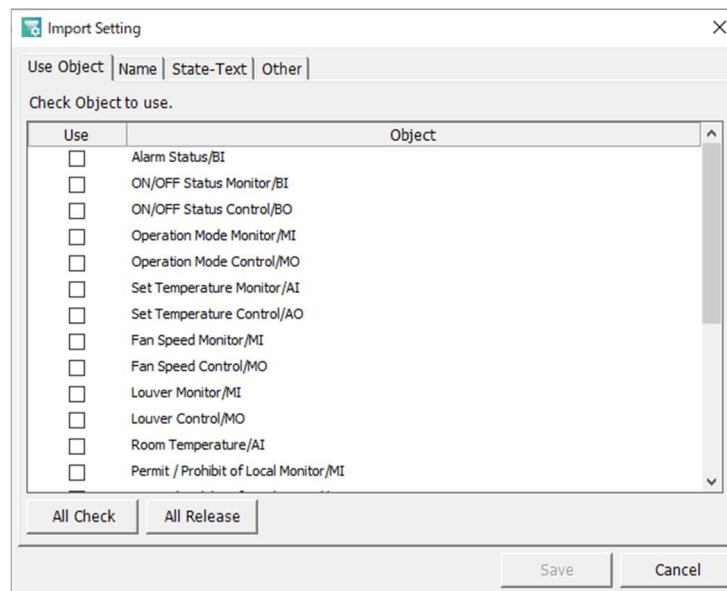
Import setting procedure

In the Import Setting window, you can set the object to use in detail.

With the EDE file opened, click [Project] → [Import Setting] under the file menu, or click [Import Setting] under the tool icon.



When [Import Setting] is clicked, the Import Setting window appears in a separate window.

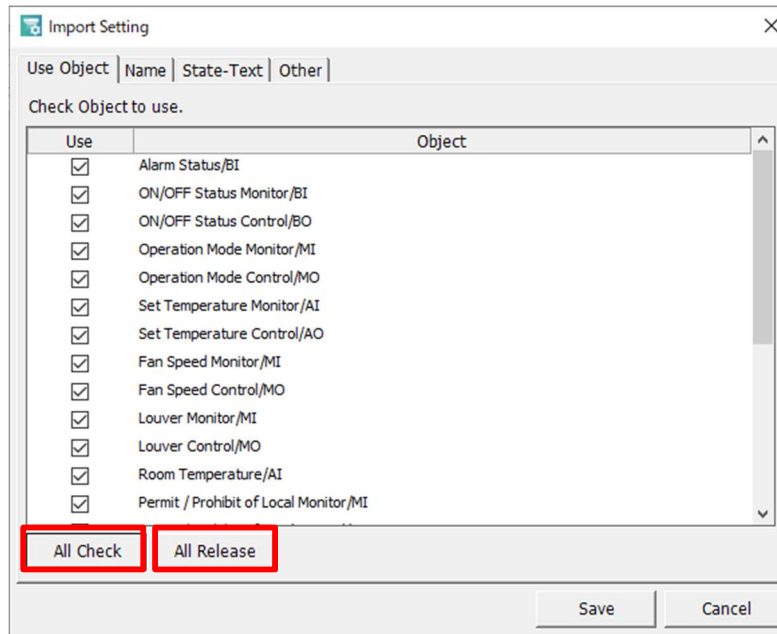


How to set the object to use

If there is an object you wish to use in the Import Setting window [Use Object] tab, tick the checkbox in the item used.

All the checkboxes are ticked initially.

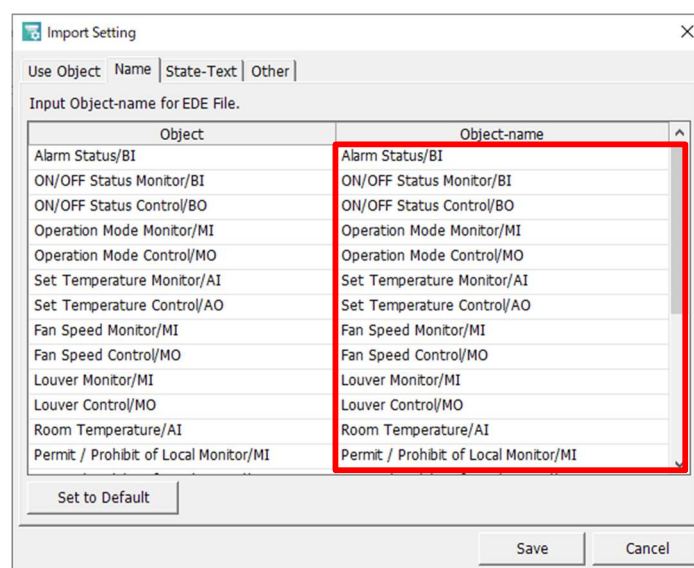
- Ticked = Use object
- No tick = Do not use object



- Click the [All Check] button to tick all the checkboxes used for all the objects.
- Click the [All Release] button to untick all the checkboxes used for all the objects.

How to set the object name

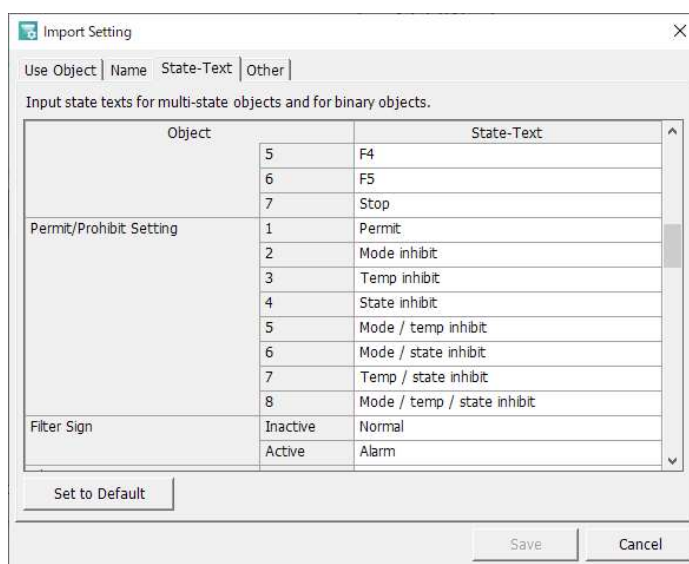
The name of an object can be changed in the [Name] tab on the Import Setting window. To change the name, write the name directly in Object-name.



- Click the [Set to Default] button to change all Object-names to their initial settings.

How to set the state-text name

You can set the wording to express the active and inactive state of the object in the Import Setting window [State-Text] tab. To change the text, input the text directly in the text field of the object you wish to change.



*Note

StateText(No.6)"Permit/prohibition Setting" supports text 1 to 8, so text prohibiting ventilation operation is not included in CSV output.

Reference Number	Object	State-Text	Text 1	Text 2	Text 3	Text 4	Text 5	Text 6	Text 7	Text 8	Text 9	Text 10
1	Normal	Alarm										
2	OFF	ON										
3	Heat	Cool	Fan	Dry	Auto							
4	Not Support	Auto	High	Mid	Low	Not Support	Mid+	Low+				
5	Swing	F1	F2	F3	F4	F5	Stop					
6	Permit	Mode inhibit	Temp inhibit	State inhibit	Mode / temp	Mode / state	Temp / state	Mode / temp				
7	Normal	Alarm										
8	Not Support	Reset										
9	OFF	ON										
10	Bypass	Heat exchng Automatic	24-hours	Nighttime has								

How to set the header format and other advanced settings

To set the header format and other advanced settings, open the [Other] tab.

Property	Value
Not Support Status Text	Not Support
High limit / Low limit for AI/AO Object Valid/Void	Void
Decimal Point for Set Temp Valid/Void	Valid only AI object
CSV Separator	,(Comma)
Date	
Author	

When the indoor unit has no function (ex. heat, cool), state text is entered by this text.

Set to Default

Save Cancel

See the following for details on how to change each property.

Change the “Not Support Status Text”

To change the value of “Not Support Status Text”, input the value directly in the red box of the diagram below.

Property	Value
Not Support Status Text	Not Support
High limit / Low limit for AI/AO Object Valid/Void	Void
Decimal Point for Set Temp Valid/Void	Valid only AI object

Value	Data	Description
(Not Support)	Input	Among the state-text (heating/cooling etc.), modes that are not supported by the air conditioner are indicated by replacing the text with this character string.

Change the “High limit/Low limit for AI/AO Object Valid/Void”

To change the “High limit/Low limit for AI/AO Object Valid/Void” click the arrow of the pull down menu in the diagram below.

Property	Value
Not Support Status Text	Not Support
High limit / Low limit for AI/AO Object Valid/Void	Void 
Decimal Point for Set Temp Valid/Void	Valid only AI object
CSV Separator	,(Comma)

Value	Data	Description
Void	Select	Set whether to output the High limit/Low limit property for AI/AO Object to CSV.
Valid		

Change the “Decimal Point for Set Temp Valid/Void”

To change the “Decimal Point for Set Temp Valid/Void” click the arrow of the pull down menu in the diagram below.

Property	Value
Not Support Status Text	Not Support
High limit / Low limit for AI/AO Object Valid/Void	Void
Decimal Point for Set Temp Valid/Void	Valid only AI object 
CSV Separator	Valid only AI object
Date	All object Valid
Author	Void

Value	Data	Description
Valid only AI object	Select	Set the presence of decimal point of setting temperature.
All object Valid		
Void		

Change the “CSV Separator”

To change the “CSV Separator”, click the arrow of the pull down menu in the diagram below.

High limit / Low limit for AI/AO Object Valid/Void	Void
Decimal Point for Set Temp Valid/Void	Valid only AI object
CSV Separator	,(Comma) 
Date	,(Comma)
Author	;(Semi-colon)
	Tab

Value	Data	Description
,(Comma)	Select	Select the delimiter of the CSV file.
;(Semi-colon)		
Tab		

Change the “Date”

To change the “Date”, enter the date directly into the red box in the diagram below.

A screenshot of a settings dialog box. It has a title bar at the top. Below the title bar, there are three rows of settings. The first row is 'CSV Separator' with a value of ', (Comma)'. The second row is 'Date' with a red rectangular box around the input field. The third row is 'Author' with an empty input field.

Value	Data	Description
Date (blank)	Input	Input the date created.

Change the “Author”

To change the “Author”, enter the author directly into the red box in the diagram below.

A screenshot of a settings dialog box. It has a title bar at the top. Below the title bar, there are two rows of settings. The first row is 'Date' with an empty input field. The second row is 'Author' with a red rectangular box around the input field.

Value	Data	Description
Author (blank)	Input	Enter the name of the editor created.

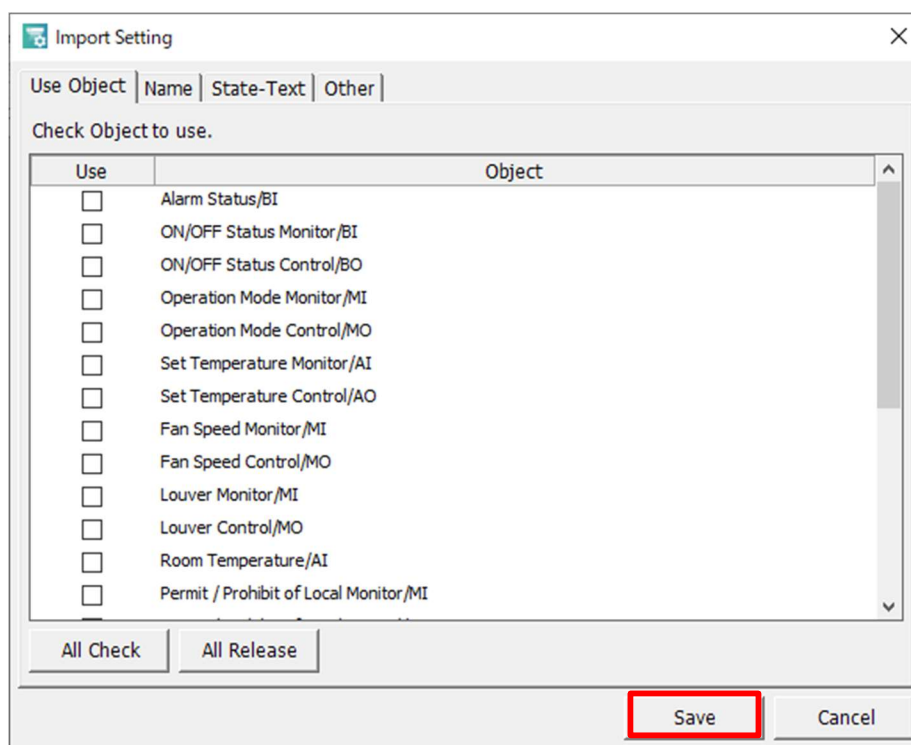
Return to the default value

Click the [Set to Default] button to restore the values of all the changed properties to their original values.

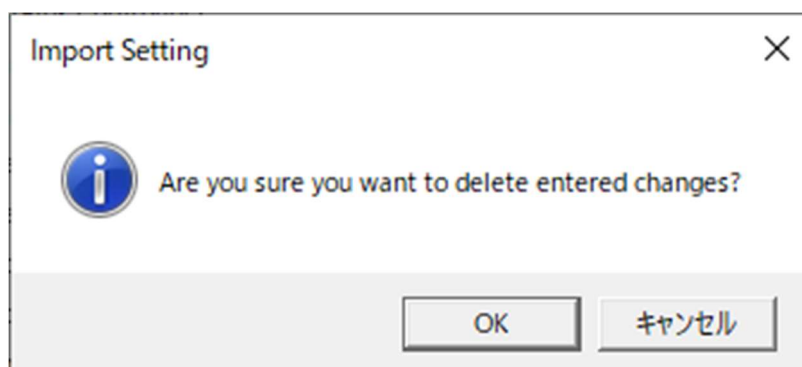
A screenshot of a settings dialog box. It has a title bar at the top. Below the title bar, there is a large button labeled 'Set to Default' which is highlighted with a red rectangular box. At the bottom right of the dialog box, there are two buttons: 'Save' and 'Cancel'.

Saving the Import Setting window

To save the [Use Object], [Name], [State-Text] and [Other] settings, click the [Save] button in the red box of the diagram below.



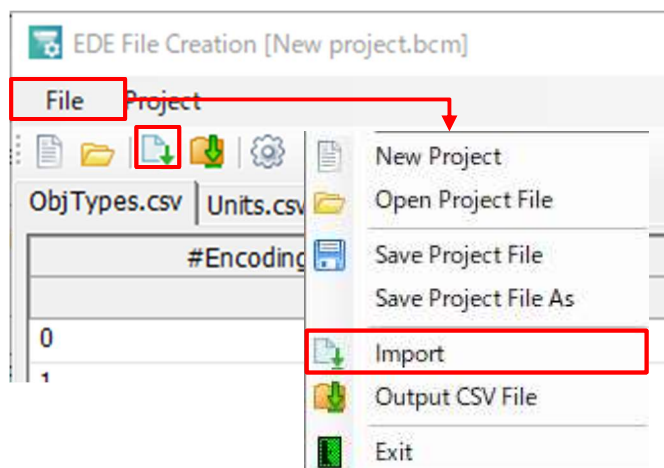
Click the [Cancel] button to display the confirmation popup window.



Click the [OK] button to discard the changes and close the Import Setting window. Click the [Cancel] button to close only the popup window and transit to the Import Setting window.

How to import Setting file data (.bac)

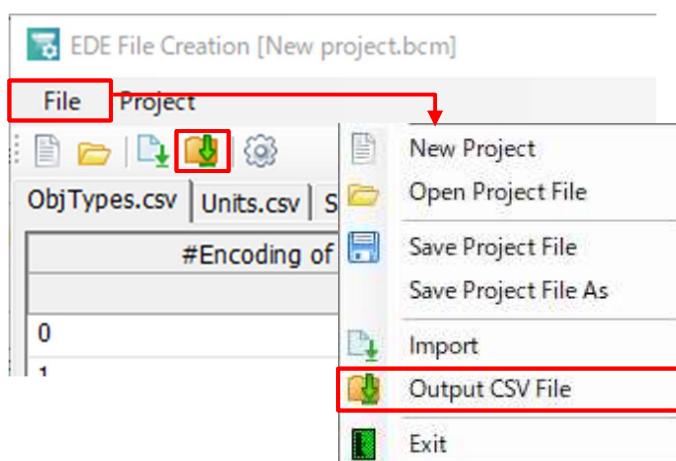
Click [File] → [Import] under the file menu, or click the [Import] icon.



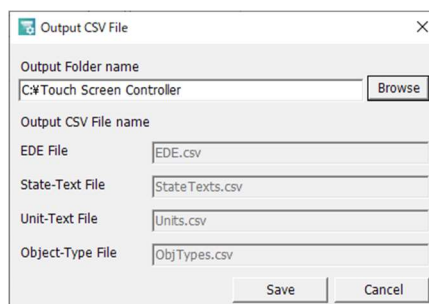
Click to display the Select File window and select the “xxxxxx.bac” (BACnet interface setting file data) created in the “Setting file creation software 2”.

How to output CSV file

Click [File] → [Output CSV File] under the file menu, or click the [Output CSV File] icon.



Upon clicking, the Output CSV File window appears.

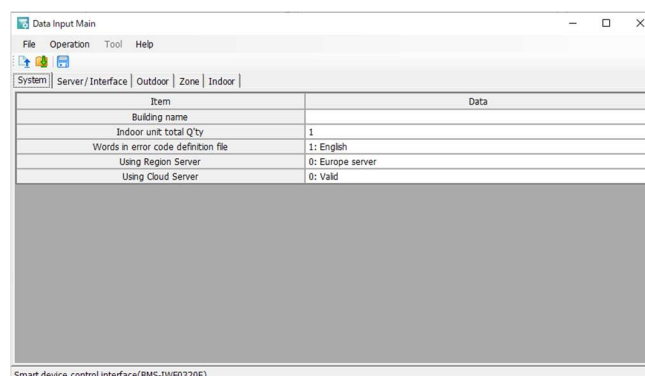


You can specify the location to save the output CSV file with the [Browse] button.

Click the [Save] button to output the CSV file in the browsed folder.

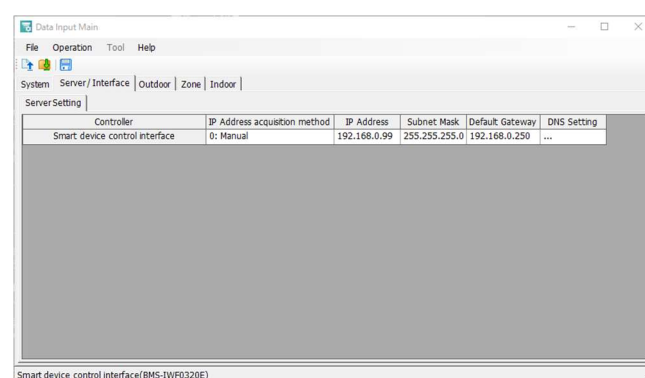
13.5 Smart device control interface (Only Global)

[System] tab



Item	Contents	Remarks
Using Region Server	Select the region of the site where the interface of the smart device control interface is connected.	
Using Cloud Server	Select whether to use a cloud server or local network only	

[Server/Interface] tab

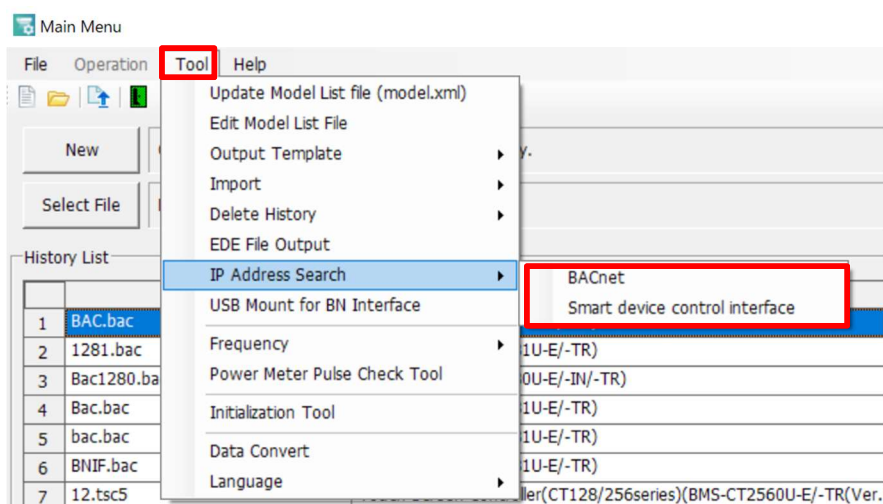


Item	Contents	Remarks
IP Address acquisition method	Select Manual or Auto.	If you had set it to Auto to upload the data, conduct an "IP Address Search" to connect again. For further details, see Page.113.
IP Address	Set the IP address of the smart device control interface.	You can configure the setting only if the IP Address acquisition method is manual.
Subnet Mask	Set the subnet mask of the smart device control interface.	You can configure the setting only if the IP Address acquisition method is manual.
Default Gateway	Set the default gateway of the smart device control interface.	You can configure the setting only if the IP Address acquisition method is manual.
DNS Setting	Set the DNS of the smart device control interface.	You can configure the setting only if the IP Address acquisition method is manual.

13.6 IP Address Search

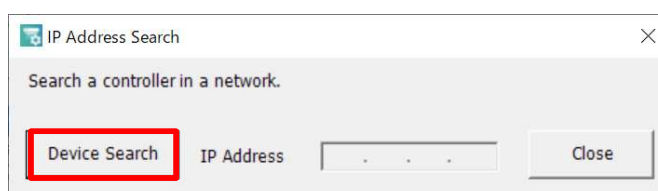
"IP Address Search" lets you get the IP address of the Central Control Device connected to your PC. Select the target model from [Tool] → [IP Address Search] under the file menu on the [Main Menu] screen and conduct the search.

Searches also cannot be carried out for non-compatible models.

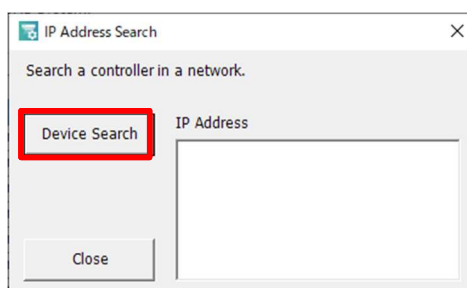


After selecting the model, the following window appears. Check that the Central Control Device is connected to your PC and click the [Device Search] button.

BACnet



Smart device control interface



After clicking, the IP address of the connected Central Control Device appears.

14 Procedure in case of expanding or removing air conditioners, and tenant changing

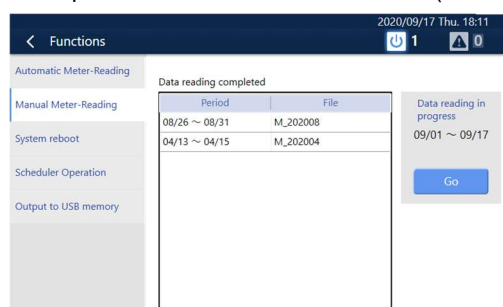
Regarding properties that use the “Report creation software” (hereinafter, RCS), be sure to run the following procedure when increasing or removing air conditioners, or when there is a change of tenant.

See the following page for properties that use the “Energy monitor” (hereinafter, EM) and “Energy report software” (ENR) only.

Manual meter reading

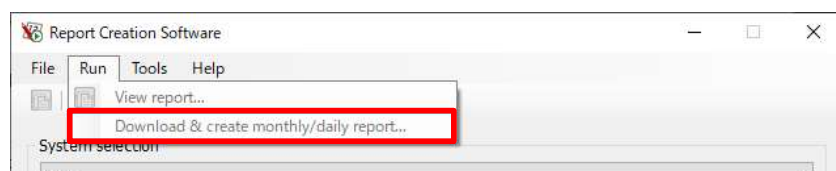
Perform manual meter reading on the Central Control Device side.

Example: For a Touch screen controller (CT128 series)



Implementation of period tally in RCS

After performing manual meter reading, select [Execute] > [Download & create monthly/daily report...] in the RCS.



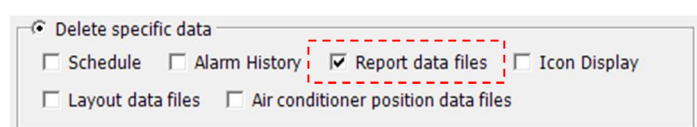
Uploading of revised setting file

Upload the revised setting file when increasing or removing air conditioners, or when there is change of tenant and so on.

Deletion of report data files

After uploading the setting file, select [Report data files] only in the [Initialization Tool] > [Delete specific data] to delete the data.

See “[Initialization of Specific Data](#)” for details on how to delete data files.



Execute the procedure below for properties that use the “Energy Monitor” and “Energy report software” only.

Uploading of revised setting file

When uploading the revised setting file to increase or remove air conditioners, or when there is change of tenant etc., be sure to untick [Overwrite].

Upload Settings

File Settings

Setting File Data: C:\Touch Screen Controller\test.tsc2 Browse

Setting File Folder: C:\Touch Screen Controller Browse

Type: Touch Screen Controller ☐ Overwrite

Model Name: BMS-CT5121E

Setting File Overview:

Address Settings

IP Address: 192.168.2.80 Ping

Subnet Mask: 255.255.255.0

Default Gateway: . . .

File List

No	File Name	Size	Last Updated	File
1	AC_GROUP	163	2020/12/24 14:01:05	Yes
2	AC_KIKI_NAME	116	2020/12/24 14:01:05	Yes
3	AC_MAP	194	2020/12/24 14:01:05	Yes
4	AC_NAME	62	2020/12/24 14:01:05	Yes
5	AC_ICON	40	2020/12/24 14:01:05	Yes
6	ANBUN	80	2020/12/24 14:01:05	Yes
7	ANBUN_IN_NUM	59	2020/12/24 14:01:05	Yes
8	ANBUN_IN_RATED	53	2020/12/24 14:01:05	Yes
9	ANBUN_MAP	47	2020/12/24 14:01:05	Yes

Add File Upload Cancel

Total the power proportional distributions before uploading.

Differences corresponding to TU2C-LINK type and TCC-LINK type at each setting of Touch screen controller (CT128/256 series)

This section describes the models supported by the Central Control Device.

<Create the Setting File with this software>

•BMS-CT1280 / BMS-CT2560U(Only Global)

Depending on the combination of the selected model ("Outdoor unit combination model name" or "indoor unit model name") and the "remote controller at hand", the TU2C-LINK or TCC-LINK model can be set.

model		Connected Wired remote controller			OutdoorUnit	
		Communicable to TU2C-LINK	Not communicable to TU2C-LINK	Not use		—
VRF		TU2C-LINK type	TCC-LINK type	TU2C-LINK type	TU2C-LINK type	TU2C-LINK type
		TCC-LINK type		TCC-LINK type	TCC-LINK type	TCC-LINK type
DI/SDI		TU2C-LINK type	TCC-LINK type	TU2C-LINK type	TU2C-LINK type	
		TCC-LINK type		TCC-LINK type	TCC-LINK type	
Other		TU2C-LINK type	TCC-LINK type	TU2C-LINK type	TU2C-LINK type	
		TCC-LINK type		TCC-LINK type	TCC-LINK type	
RAC	LC AC type				TCC-LINK type	
	R AC type					
ATW	TU2C-LINK type	tsc4 is not compatible with ATW and cannot be converted.				

•BMS-CT2560U (Ver.10.3.0.0 or later)

Selectable models are displayed by capacity model (e.g., IDU(VRF)_6.0HP), and all models are set to TU2C-LINK type.

If you select "Not communicate to TU2C-LINK" in "Connected Wired remote controller", it will be treated as "TCC-LINK type".

model		Connected Wired remote controller			OutdoorUnit
		Communicable to TU2C-LINK	Not communicable to TU2C-LINK	Not use	
VRF		TU2C-LINK type	TCC-LINK type	TU2C-LINK type	TU2C-LINK type
DI/SDI		TU2C-LINK type	TCC-LINK type	TU2C-LINK type	
Other		TU2C-LINK type	TCC-LINK type	TU2C-LINK type	
RAC	LC AC type				
	R AC type				
ATW	TU2C-LINK type	TU2C-LINK type			

<Import template file to create the Setting File>

•BMS-CT1280 / BMS-CT2560U (* Only Global)

When the model name of the Outdoor unit and Indoor unit is set and imported, the TU2C-LINK or TCC-LINK model will be set with the set model name. In addition, it is automatically set to "TU2C-LINK type" or "TCC-LINK type" from the set Connected wired remote controller information.

model		Connected Wired remote controller			OutdoorUnit
		Communicable to TU2C-LINK	Not communicable to TU2C-LINK	Not use	
VRF		TU2C-LINK type			TU2C-LINK type
			TCC-LINK type		TCC-LINK type
DI/SDI		TU2C-LINK type			
			TCC-LINK type		
Other		TU2C-LINK type			
			TCC-LINK type		
RAC	LC AC type				TCC-LINK type
	R AC type				
ATW	TU2C-LINK type	tsc4 is not compatible with ATW and cannot be converted.			

•BMS-CT2560U (Ver.10.3.0.0 or later)

Model registration can be done in two ways (registration by product name and registration of capacity rank information).

Since import data is not registered with the unique model name, the model is not judged as TU2C-LINK type or TCC-LINK type, and all are set as TU2C-LINK type. In editing, when units set the connected wired remote controller to "Not communicated to TU2C-LINK", they are treated as TCC-LINK type.

model		Connected Wired remote controller			OutdoorUnit
		Communicable to TU2C-LINK	Not communicable to TU2C-LINK	Not use	
VRF		TU2C-LINK type			TU2C-LINK type
DI/SDI		TU2C-LINK type			
Other		TU2C-LINK type			
RAC	LC AC type				
	R AC type				TU2C-LINK type
ATW	TU2C-LINK type			TU2C-LINK type	

<Convert data to create the Setting File>

•BMS-CT2560U-E/-TR (Ver.10.3.0.0 or later) converted to BMS-CT2560U-E/-TR (*Only Global)

The capacity model name and Wired remote controller settings set for BMS-CT2560U-E/-TR (Ver. 10.3.0.0 or later) will be inherited, but all settings will be set as the TCC-LINK type.

model		Connected Wired remote controller				OutdoorUnit
		Communicable to TU2C-LINK	Not communicable to TU2C-LINK	Not use	—	
VRF		TCC-LINK type	TCC-LINK type	TCC-LINK type	TCC-LINK type	TCC-LINK type
DI/SDI		TCC-LINK type	TCC-LINK type	TCC-LINK type	TCC-LINK type	
Other		TCC-LINK type	TCC-LINK type	TCC-LINK type	TCC-LINK type	
RAC	LC AC type				TCC-LINK type	
	R AC type					
ATW	TU2C-LINK type	tsc4 is not compatible with ATW and cannot be converted.				

•BMS-CT2560U-E/-TR converted to BMS-CT2560U-E/-TR (Ver.10.3.0.0 or later) (*Only Global)

•BMS-CT1280 UL converted to BMS-CT2560U-UL (Ver.10.3.0.0 or later) (*Only North America)

The combination of model name of Outdoor unit and Indoor unit set by "Current System file(s)" is converted into the combination of model code and capacity rank information, and all are set as TU2C-LINK. If the Wired remote controller is set to "not communicable to TU2C-LINK", treat as an TCC-LINK type in combination with that Wired remote controller

model		Connected Wired remote controller				OutdoorUnit
		Communicable to TU2C-LINK	Not communicable to TU2C-LINK	Not use	—	
VRF		TU2C-LINK type	TCC-LINK type	TU2C-LINK type	TU2C-LINK type	TU2C-LINK type
DI/SDI		TU2C-LINK type	TCC-LINK type	TU2C-LINK type	TU2C-LINK type	
Other		TU2C-LINK type	TCC-LINK type	TU2C-LINK type	TU2C-LINK type	
RAC	LC AC type					
	R AC type				TU2C-LINK type	
ATW	TU2C-LINK type	tsc4 is not compatible with ATW and cannot be converted.				

15 Troubleshooting

No.	Scenario	Contents	Confirmation contents
1	During installation	Are you using the specified OS for the OS of your PC?	The compatible OS is Windows 10 and Windows 11
2		Does the account of the Windows login user have any administrator rights?	Accounts which do not have any administrator rights cannot install this software. Install the software with an account that has administrator rights.
3		Is there sufficient free memory space in your PC?	If the memory space is insufficient, this software cannot be installed.
4	When I run Setup.exe, my PC is protected and cannot be installed.	Was it protected by Windows?	If you see a blue screen like the one on the right and the installation does not start, click "More Info" on the blue screen, and then click "Run". 
5	When downloading or uploading, the target controller cannot be connected. Or during uploading, there is no response for a while.	Is your network connected?	Check with the [ping] button on the screen to see if the target controller is connected to the network.
6		Is the LAN cable connected?	Is the LAN cable connected to the Central Control Device?
7		Change IP address?	If the IP address of the controller is changed, change the IP address to specify similarly too.
8		Is the model connected the correct one?	Do the model and model name specified in the download screen match the controller connected?
9		Does the forwarding address of this software match that of the controller?	Have you connected the overseas version of the controller with the Japanese domestic version of the software? The Japanese version of this software can be connected to the Japanese-compatible controller only.
10		Have you set the IP address of your PC?	Check the network setting of your PC.
11	When setting, changing	The connected indoor unit or outdoor unit does not exist in the selection screen.	Update the model file or add by editing.

16 OSS

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AutoMapper/**AutoMapper**

10.1.1

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