TOSHIBA
Carrier

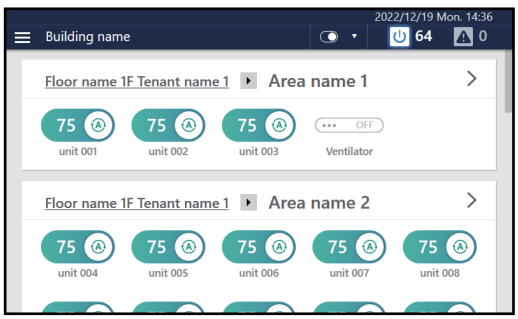
Owner's Manual
Central Control Device

For commercial use

Touch Screen Controller

Model Name

BMS-CT2560U-UL



- Thank you for purchasing this System Controller.
- In order to use this product safely and correctly, please read this owner's manual carefully before use and make sure that you fully understand the contents.
  In particular, please be sure to read the "Safety Precautions".
- After reading this manual, be sure to keep it in a place where the operator of the Unit can always view it.

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1 Quick Start Guide

Basic Usage		
To start/stop the air conditioner(s)		→ "Start/Stop Operation" (P.34)
To change the set temperature		→ "Change the Air Conditioning Settings" (P.38)
To change the Mode (Cool/Heat/Auto/Dry/Fan)		→ "Change the Air Conditioning Settings" (P.38)
To check whether you have forgotten to turn off the air conditioner(s)	**Batch ON/OFF screen**	→ "Monitor the Overall Air Conditioning System" (P.49)
To check for current malfunctions	**Check code screen**	→ "Monitor the Overall Air Conditioning System" (P.49)

Advanced Usage Please use the following functions as necessary.		
To set start/stop timer		→ "Set the Operation Schedule" (P.43)
To configure and confirm the energy saving settings	**Return Back**	→ "Configure and confirm the Return Back settings" (P.57)
	Eco Temperature Shift	→ "Change to energy saving temperature" (P.58)
	Change Temperature Range	→ "Set the temperature change range" (P.59)
	Save Mode	→ "Control air conditioner power" (P.57)
	Schedule settings	→ "Set the Operation Schedule" (P.43)
	Power peak cut schedule	→ "Set demand control schedule of outdoor unit" (P.77)
To operate the Total Heat Exchange Unit		→ "Turn ON/OFF the ventilation function" (P.55)
To cancel the FILTER Sign after filter cleaning		→ "Filter sign Reset" (P.56)
To connect to a PC that has Energy Report Software 2 installed and display the energy usage and power usage report	**Connect to a PC that has Energy Report Software 2 installed and display the energy usage**	→ "Setting when Using Energy Report Software 2" (P.33)
	IP Address Setting	→ "Set the IP address of the Touch Screen Controller" (P.87)
	Output to USB memory	→ "Output data to a USB memory stick" (P.80)
	Connect to a PC that has Energy Report Software 2 installed and display the power usage report	→ "Power Distribution System Using the Energy Report Software 2 (PC Software)" (P.98)
To output the daily and monthly report files, the check code files, and the setup files by USB		→ "Output data to a USB memory stick" (P.80)

2 Safety Precautions

This section explains safety precautions you must follow in order to prevent harm to the user and other persons and damage to property.
"Display Description" explains the classification of the degree of harm or damage that may occur if the unit is handled incorrectly, while "Symbol Description" indicates the meanings of symbols.

Display Description	
⚠ WARNING	Indicates "Content that is expected to result in death or serious injury (*1) to the user in the case of incorrect handling".
⚠ CAUTION	Indicates "Content that is expected to result in minor injury (*2) to the user or damage to property (*3) in the case of incorrect handling".

* 1: Serious injury refers to lasting after effects such as blindness, injury, burns (high temperature / low temperature), electric shock, bone fracture, or poisoning, etc. and injuries that require hospitalization/long-term outpatient treatment.
* 2: Minor injury refers to injuries, burns, or electric shocks, etc. that do not require hospitalization or long-term outpatient treatment.
* 3: Damage to property refers to extended damage related to houses, household goods, livestock, or pets, etc.

Symbol Description	
	⃠ indicates prohibited actions. Specifically prohibited contents are indicated with a picture and/or text in or near the symbol.
	● indicates instructions which must be followed. The actual contents of the instructions are indicated with a picture and/or text in or near the symbol.

⚠ WARNING

Installation Precautions

 Request installation	**Ask the dealer from whom you purchased the unit or a professional for installation work.** Installation requires specialised technical expertise. If you attempt to perform installation work yourself and perform the work incorrectly, it may cause fire, electric shock, or injury.

 Use specified products	**Use a designated TOSHIBA air conditioner.** Please use a designated TOSHIBA air conditioner. Using products other than specified may cause fire, electric shock, or water leakage. Also, please ask a professional for installation work.

Usage Precautions

 Prohibited	**Do not operate the switches with wet hands.** Doing so may cause electric shock or failure.
 Compulsory	**Turn off the power if anything is abnormal (burnt odour etc.).** Continued use may cause fire or electric shock. Please ask the dealer from whom you purchased the product.

 Prohibited	**Do not wet the System Controller.** Please be careful not to get the System Controller wet.
 Compulsory	**Do not use a power source other than the specified model.** Using a power source other than the specified model may cause fire or failure. Please use 120 V AC.

Relocation/Repair Precautions

 Prohibited	**Do not remodel.** Doing so may cause fire or electric shock.
 Request relocation	**Contact a specialist or the dealer from whom you purchased the unit to relocate and re-install the air conditioner.** Faulty installation may cause fire, electric shock or injury.

 Request	**Please ask the dealer from whom you purchased the unit for repair.** Faulty repair may cause fire or electric shock.

⚠ CAUTION

Installation Precautions

 Check the installation location	**Do not install in areas with high humidity or vibration.** Doing so may cause a failure.
 Check the installation location	**Do not install in areas where noise is generated.** Doing so may cause malfunction.
 Check the installation location	**Do not use this device in locations where children may be present.**

 Check the installation location	**Do not install in direct sunlight or near heat sources.** Doing so may cause a failure.
 Check the installation location	**Do not install this product in a place where combustible gas may leak.** Gas leaking and accumulating around the product may cause a fire.

Usage Precautions

 Prohibited	**Do not drop the product or apply strong shock.** Doing so may cause a failure.
 Instructions	**When cleaning and checking, turn off the earth leakage breaker.** Failing to do so may cause injury.

 If anything is abnormal turn off the power	**If this product malfunctions, turn off the original power supply, and then contact the dealer from whom you purchased the product to ask for repair.** Continued operation with an abnormality may cause fire or electric shock.

Precautions on Connection to External Devices

 Prohibited	**Do not connect the System Controller to the Internet.** Never connect it. We shall assume no responsibility for any problems arising from the connection. Only a connection to the local area is possible.

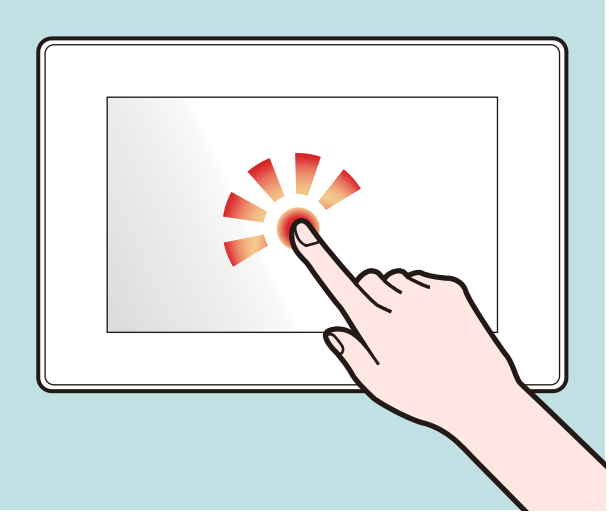
3 Operating Method and Screen Structure

Touch Panel Operation Method

Explains the basic touch panel operation method.

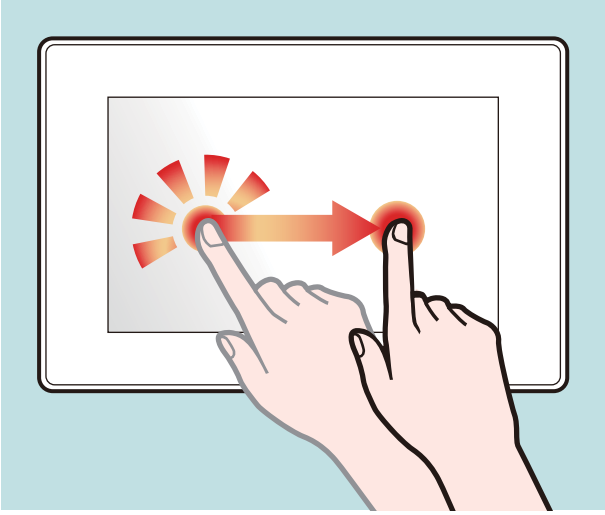
Tap

Touch your finger lightly on the screen and release it immediately.



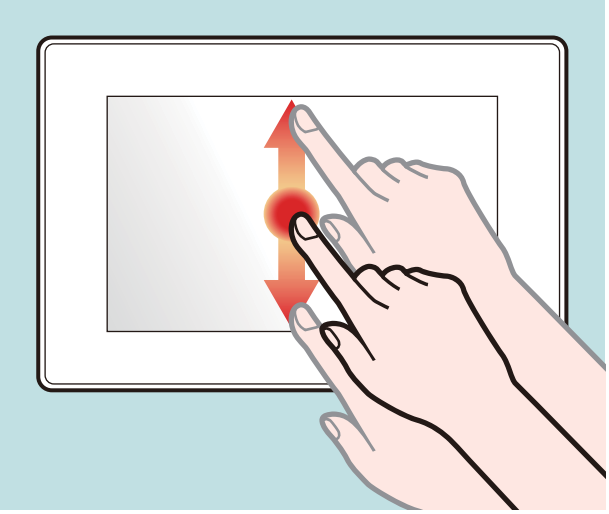
Drag

Tap an object on the screen, hold your finger down, and move.



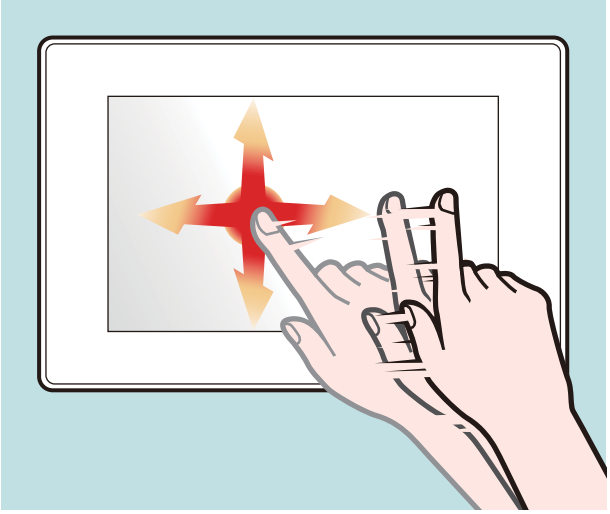
Swipe

Touch your finger lightly on the screen and move it in the desired direction.



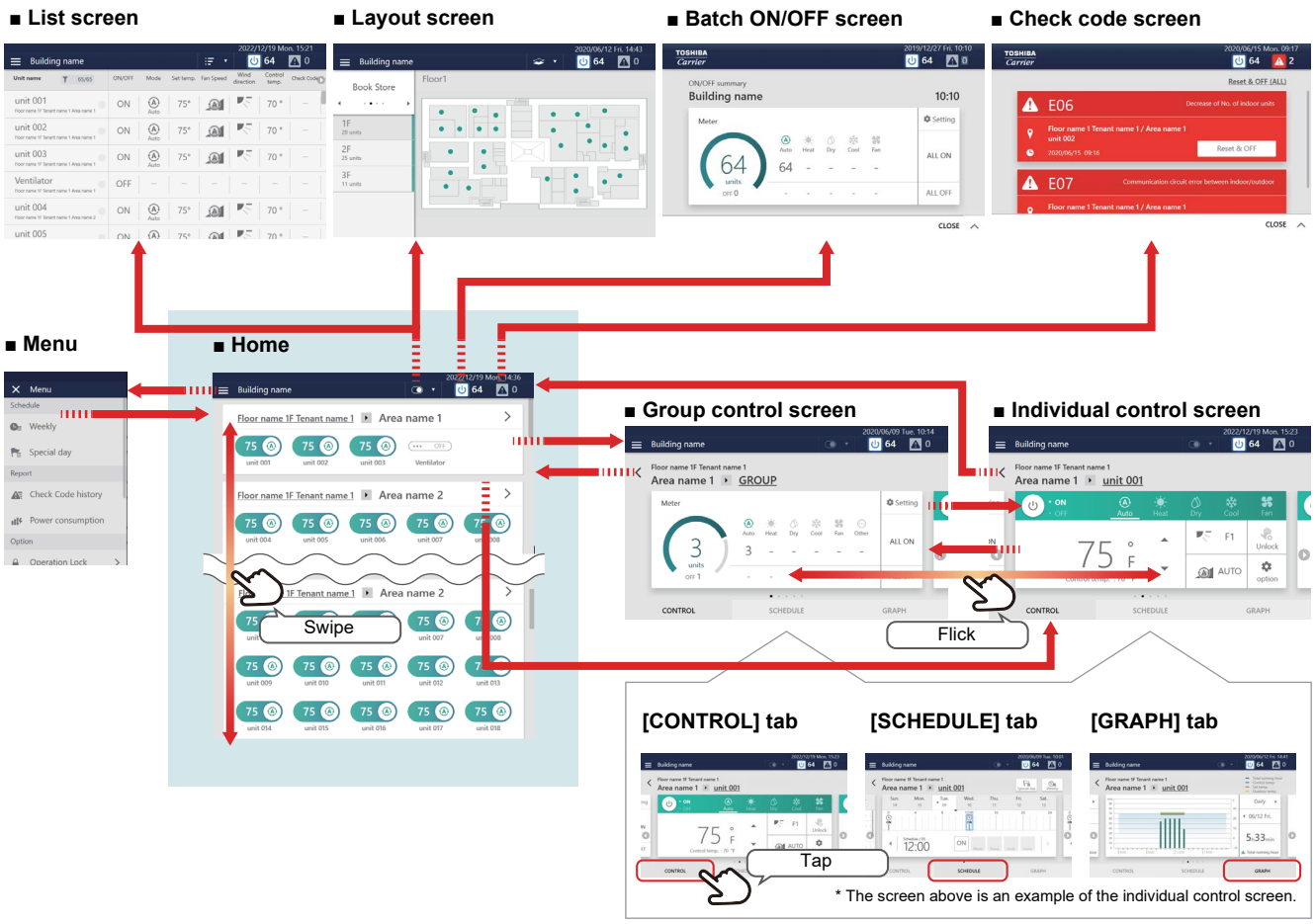
Flick

Touch the screen with your finger and move your finger quickly up, down, to left or the right.



Screen Structure

The main screen structures used by this Unit are as follows. The screen can be switched by tapping (or flicking in some cases).



Each screen shows a display example. The display content may vary with the usage environment settings.

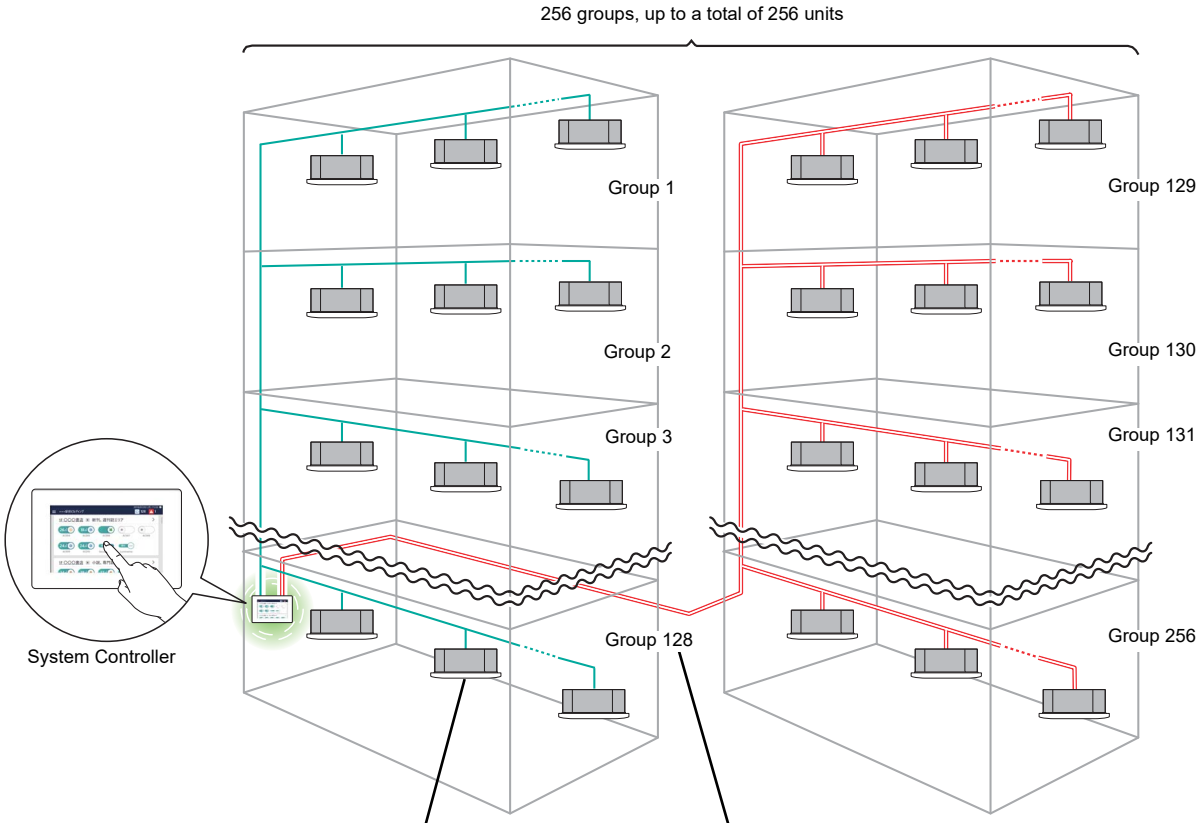
Home screen		You can check the operation status of the air conditioner(s) and ON/OFF unit in a list. You can also start/stop individual operation. (P.14)
List screen		You can check the operation status of the air conditioner(s) and ON/OFF equipment in a list. You can start and stop operation and configure the basic settings. (P.17)
Layout screen		You can check the operation status of the air conditioner(s) and ON/OFF equipment in a layout. You can also start and stop individual operations. (P.20)
Group screen		You can check/change the settings in group units. The group screen consists of three tabs: "CONTROL", "SCHEDULE" and "GRAPH". (P.22)
Individual control screen		You can check/change the settings of the air conditioner(s) and ON/OFF unit individually. The individual control screen consists of three tabs: "CONTROL", "SCHEDULE" and "GRAPH". (P.24)
Batch ON/OFF screen		You can check the operation status of the whole air conditioning system numerically. You can also start/stop the operation of the whole air conditioning system and configure the detailed settings. (P.49)
Check code screen		You can confirm check codes that are occurring in the whole air conditioning system in a list. (P.49)
[CONTROL] tab		You can check the detailed operation status. You can change the settings such as ON/OFF. (P.34)
[SCHEDULE] tab		You can control the Weekly schedule and the Special day schedule. (P.45)
[GRAPH] tab	Group screen	You can check the operation time in group units. (P.71)
	Individual control screen	You can check the operation time in air conditioner or ON/OFF unit in units. (P.71)
Menu		You can configure settings for administrators such as screen display change and demand control. (P.73)

4 Before Usage

Air Conditioning System Configurations

The system configurations that this Unit can control are as follows:

All
Set all air conditioners at once.



Unit
Set the air conditioners individually.

Group
All air conditioners and ON/OFF unit are divided into 1 to 256 groups, and settings are configured for each group at once.

- There are three units that can be controlled: All, Group, and Unit.
- The maximum number of groups (Floor, Tenant, and Area combinations) that can be controlled is 256.
- The maximum number of units (air conditioners and ON/OFF units) that can be controlled is 256 for air conditioners and 60 for ON/OFF units. *
  * The maximum number of air conditioners may change depending on the model combination.

Glossary

Terminology	Description
Thermo off	When the temperature of a room reaches the set temperature, the outdoor unit compressor stops to switch from cooling/heating to fan operation. Although the indoor unit (air conditioner) is in operation, the outdoor unit repeatedly turns ON/OFF depending on the room temperature.
During power peak cut control	Control to cut the peak of electric power usage.
Flap	A part that changes the air direction at the outlet. It is also called a louver.
Air to Water Heat Pump	This model can control water heating and air conditioning. This model is only available outside the country. It is described as ATW or ESTIA in some parts of the manual.
Room Air Conditioner (home) (RAC)	This is a household air conditioner. It can be connected to a unit via specialized equipment. It is described as RAC in some parts of the manual.
ON/OFF unit	Indicates devices that cannot control or monitor the set temperature or operation mode among the managed devices. Main equipment includes air to air heat exchangers, ventilation fans, etc.
Leak detector (LD)	Refrigerant leak detector This can be displayed on the layout screen for units. If you want to display it, you need to set it in the Section Configuration Software. For details, refer to the manual for the Section Configuration Software. It is described as LD in some parts of the manual.
FS unit	This device controls refrigerant This can be displayed on the layout screen for units. If you want to display it, you need to set it in the Section Configuration Software. For details, refer to the manual for the Section Configuration Software.

Control Target Devices

In this Unit, the following devices can be controlled and monitored.

Names of equipment described in this manual	Equipment	Maximum number of units that can be connected
Air conditioner Can control air conditioning (cooling and heating operations)	Multi air conditioners for buildings (Ceiling cassette, ceiling embedded, ceiling hanging, air to air heat exchanger with coil, etc.)	Total of 256 units
	Light Commercial	
	Package air conditioners for facilities	
	Hot Water Module (* For use outside Japan only)	
	DX-Coil Interface TA type / TF type (* For use outside Japan only)	
	Air to Water Heat Pump (ATW) (* For use outside Japan only)	
	Room Air Conditioner (home) (RAC TU2C-LINK I/F connection * For use outside Japan only)	
ON/OFF unit Can turn operations ON/ OFF	Room Air Conditioner (home) (ON-OFF control interface connection * For use inside Japan only)	
	Air to Air Heat Exchanger	
	General purpose device control interface	
	DX-Coil Interface DDC type (* For use outside Japan only)	
	External device (DI/DO) (Lighting, ventilation fan, etc.)	Total of 60 units

NOTE

The equipment that can be displayed may vary depending on the country or region.
For details contact our sales personnel.

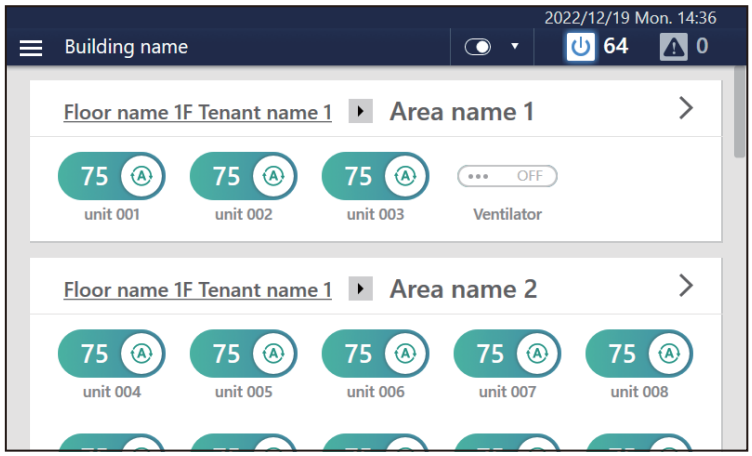
About the Main Screens

This section explains the home screen, list screen, layout screen, and the [CONTROL] tabs of the group screen and the individual control screen.

NOTE

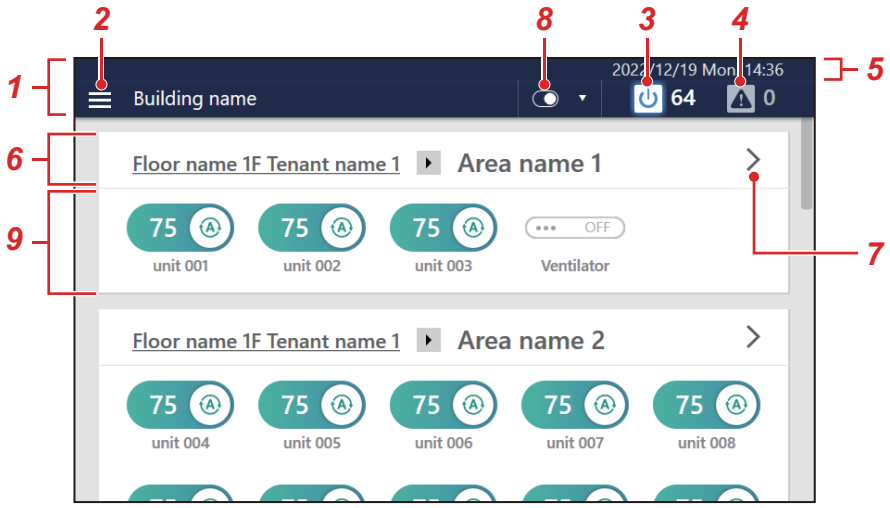
Depending on the language settings and the theme settings, the screen languages and display colours differ. The screens shown in the manual use the "English" display setting and the "Type A" theme setting. For details of the display settings, refer to "Set the screen display" (P.82) and for details of the theme settings, refer to "Set the screen theme" (P.83).

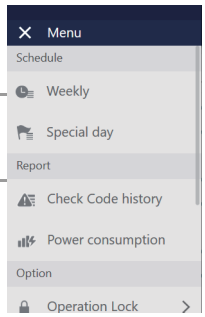
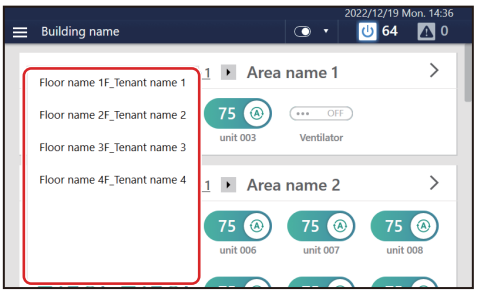
Home (switch screen)



Screen description

Switches for all air conditioners and ON/OFF unit are displayed for each group. You can change the group displayed by scrolling the screen.

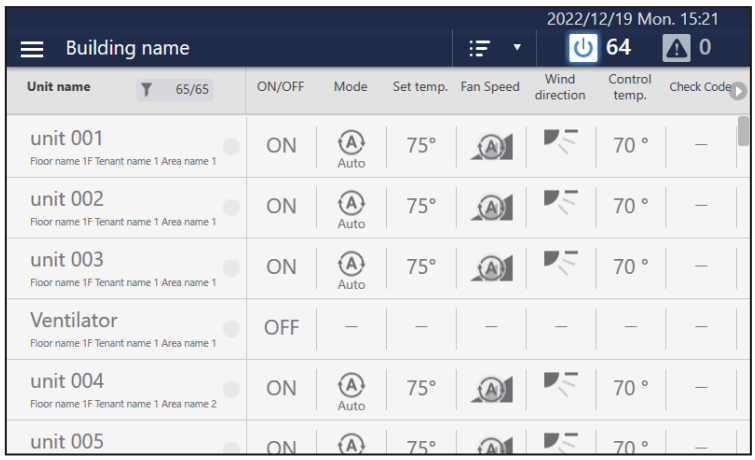


<table>
<tr><th>No.</th><th>Name (Icon)</th><th>Functions</th></tr>
<tr><td>1</td><td>Header area</td><td>It is displayed even on screens other than the home screen. The operation content is common to each screen.</td></tr>
<tr><td>2</td><td>Menu button ( )</td><td>Tap to display the menu.
You can display various reports and detailed settings for the Unit.
NOTE
The display content of the menu may partially differ depending on the conditions.

</td></tr>
<tr><td>3</td><td>ON/OFF meter button (/)</td><td>Tap to display the batch ON/OFF screen. (P.49)
Lights up when there is an air conditioner or ON/OFF unit in operation.</td></tr>
<tr><td>4</td><td>Check Code button (/)</td><td>Lights up red when a malfunction has been detected. (P.49)
Tap to display the check code screen.</td></tr>
<tr><td>5</td><td>Status display section</td><td>Displays the current date and time. Also, the following will be displayed depending on the status and settings of the air conditioning system.
<table><tr><td></td><td>Displays when a demand signal is detected.</td></tr><tr><td></td><td>Displays during demand control of an outdoor unit. (P.77)</td></tr><tr><td></td><td>Displays when you operate remotely from a computer. (P.96)</td></tr><tr><td></td><td>Displays while outputting data to a USB memory stick. (P.80)</td></tr><tr><td></td><td>Displays when the daylight saving time (summer time) setting is ON. (P.82)</td></tr></table></td></tr>
<tr><td>6</td><td>Group name display section</td><td>Displays the name of the group that displays the switch (the name of the group to which the displayed switch belongs).
Tap the underlined name in the group name to display the drop-down menu.
You can jump to other groups.

</td></tr>
<tr><td>7</td><td>FORWARD button ( )</td><td>Tap to display the group screen. (P.22)</td></tr>
<tr><td>8</td><td>Screen switching button</td><td>Switches the display between the home screen (switch screen), list screen, and layout screen.</td></tr>
</table>

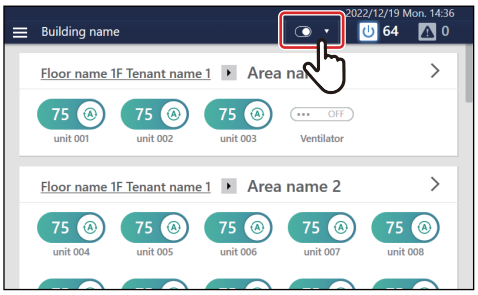
No.	Name (Icon)	Functions
9	Switch	The air conditioner or ON/OFF unit switch registered in each group is displayed, and the name is displayed below the switch.

	Displays the operation status of the air conditioner(s).  means operating state. The set temperature is displayed on the left and the operation mode is displayed on the right. Drag or flick to the left to stop the operation.  is the stopped state. Only the set operation mode is displayed. Drag or flick to the right to start the operation. Tap the overall switch to switch to the [CONTROL] tab on the individual control screen. (P.24)
	This is the switch for the Air to Water Heat Pump (ATW). If the Air to Water Heat Pump (ATW) has an air conditioning function, then the air conditioning can be turned on or off.
	This is the switch for the Air to Water Heat Pump (ATW) of just the hot water supply function. This switch cannot be operated.
	Displays the operating condition of the air conditioner. Operation of the air conditioner(s) is locked. (P.75)
	Shows the operating status of the Air to Water Heat Pump (ATW). Operation of the Air to Water Heat Pump (ATW) is locked. (P.75)
	A malfunction in progress. Tap to switch to the [CONTROL] tab on the individual control screen and check the details of the check code. (P.28)
	Operation is impossible due to power outage (hibernation state).
	Displays the operation status of the ON/OFF unit. Drag left or right to change the operation status.
	Displays the operation status of the ON/OFF unit. The operation status cannot be changed. The Unit is locked or output control cannot be performed.
	Displayed when the FILTER Sign appears.
	Displayed during operation preparation.
	Displayed during heating preparation.
	Displayed when the output of the air conditioner is limited.

List screen

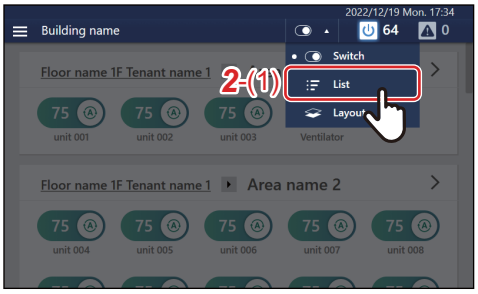


How to display the screen



1 **From the home screen, tap** 

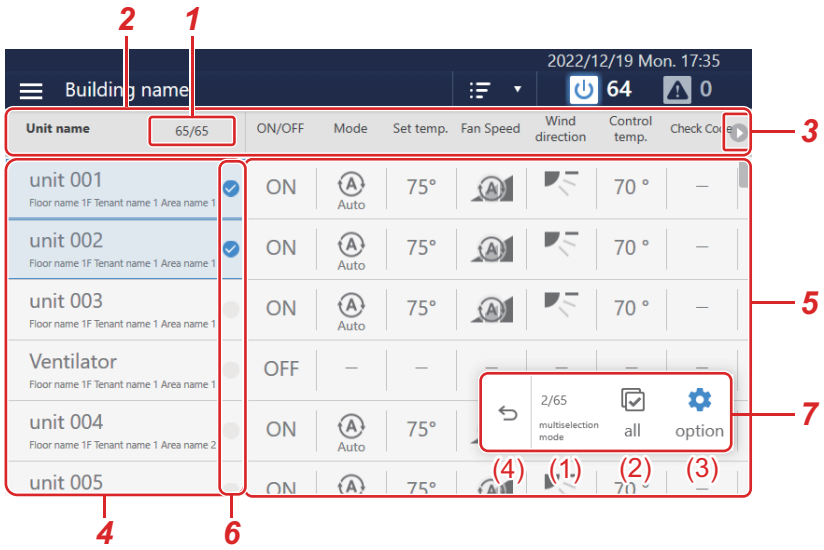
A pulldown menu appears.



2 **Tap [2-(1)]**

The list screen appears.

Screen description



No.	Name (Icon)	Functions
1	Filter button	Tap to display the unit selection screen. You can select the units to display on the unit selection screen.
2	List title	Displays the title of each list. Tap the title to sort the items in ascending order. Tap it again to sort the items in descending order.
3	Display switching button	Moves you to the right page to display the hidden list items.
4	Unit name list	Displays unit names. Under a unit name, group name of that unit is displayed.
5	Unit status list	Displays the status of each unit on a display item-by-display item basis. For an item without a function, a "-" is displayed.
6	Check box for collective setting	Enables you to select a unit subject to collective setting. Each time you tap it, the unit is selected/deselected.
7	Multiselection mode	Displayed if you select the check box for collective setting, so that you can set multiple units. If you tap another check box for collective setting while multiselection mode is displayed, the unit(s) will be added to the units subject to collective setting. (1) multiselection mode: Displays the number of selected units. (2) all: Each time you tap it, all the units in the group are selected or deselected. (3) option: Opens the collective setting change screen. (4) ⮌: Exits multiselection mode.

List of functions shown on the list screen

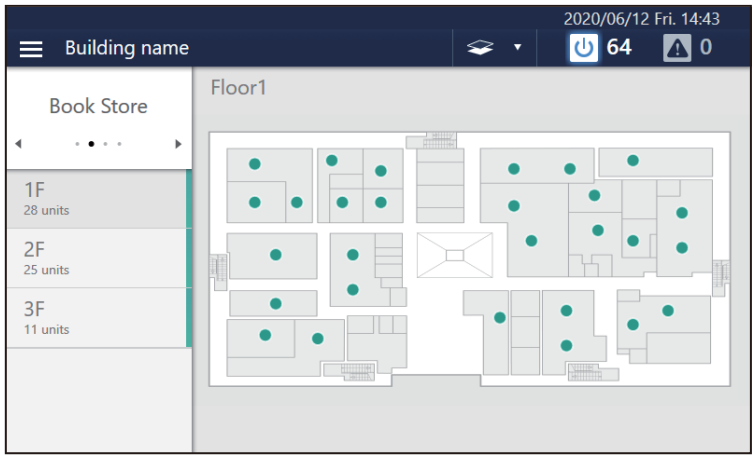
List display function	
ON/OFF	
Mode	
Set temp.	
Fan Speed	
Wind direction	
Control temp.	
Inspection & Notification	
Lock setting of remote control	ON/OFF
	Mode
	Set temp.
Filter sign reset	
Remote-less	
Preparing	
Power Level	
Energy saving ratio[%]	
Saving operation	
Soft Cooling	
Return Back	
Outdoor temp.	
Night operation	
Power peak cut	
Forced Thermo OFF	
PURE	
Ventilation	ON/OFF
	Mode
	Fan Speed
	24-hour ventilation
	Nighttime heat purge
Control of Temperature Range Setting	Auto
	Heat
	Cool
	Dry

List display function
DHW ON/OFF
Auto mode
Frost protection
Anti bacteria
Night set back
Hot water boost
HiPower
ECO
Power Select
Fireplace
Night operation (RAC)
LD Sensor NG
FS Blocking
FS Out of battery
Stirring operation

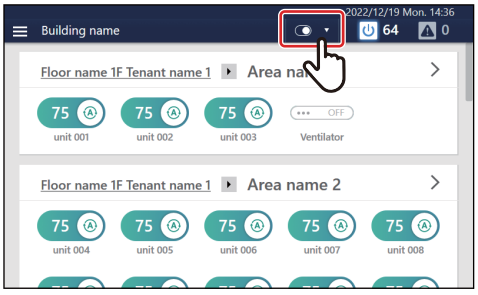
Layout screen

NOTE

- This function is displayed only when the layout screen is registered.
- For details on how to configure the layout screen, refer to the Operating Instructions of the Section Configuration Software.

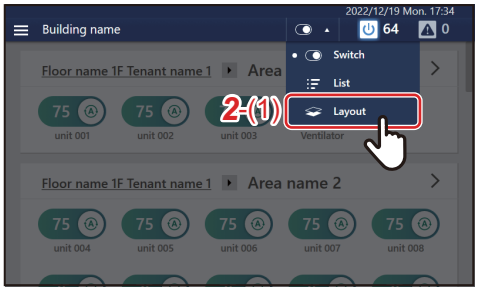


How to display the screen



1 **From the home screen, tap** 

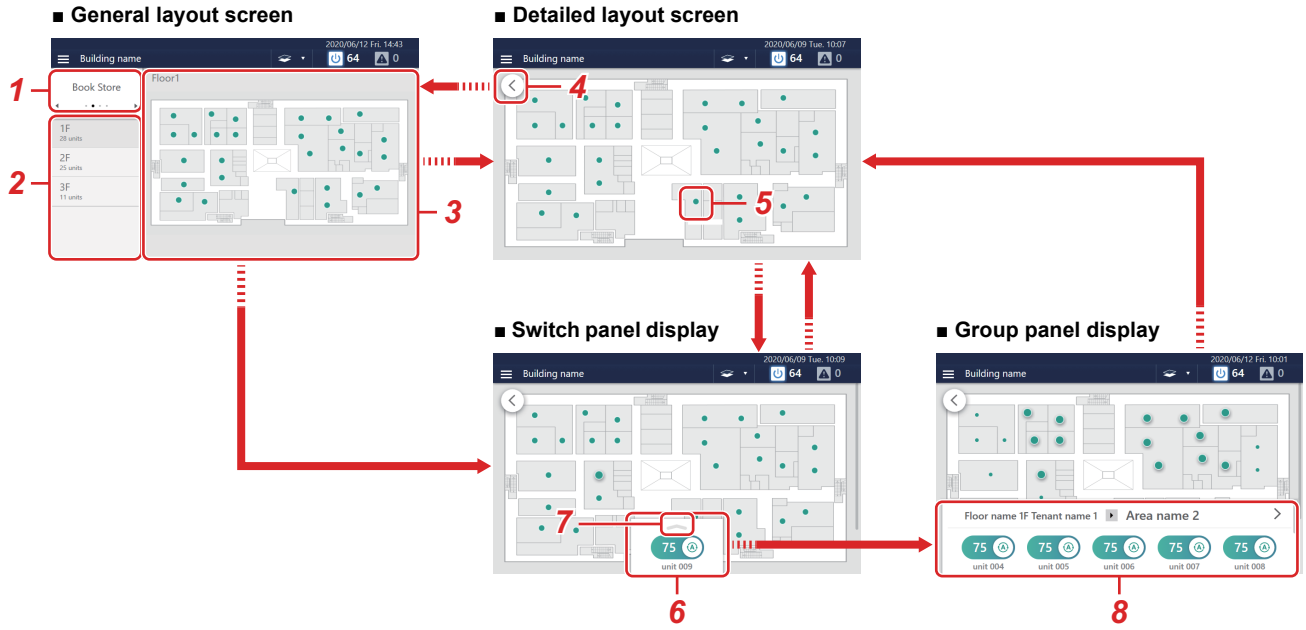
A pulldown menu appears.



2 **Tap [2-(1)]**

The layout screen appears.

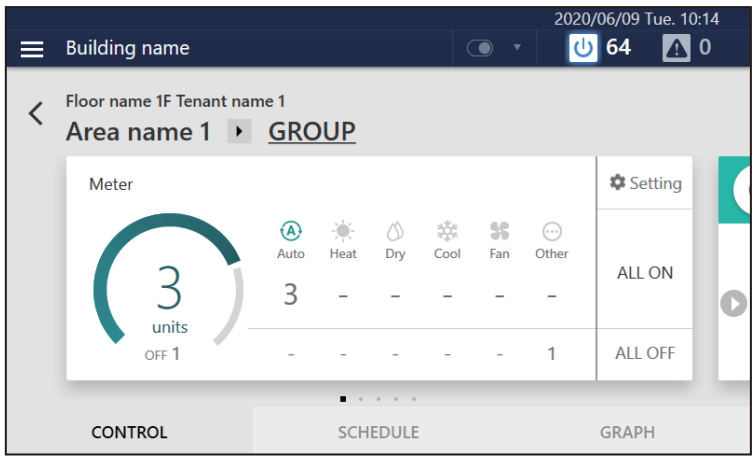
Screen description



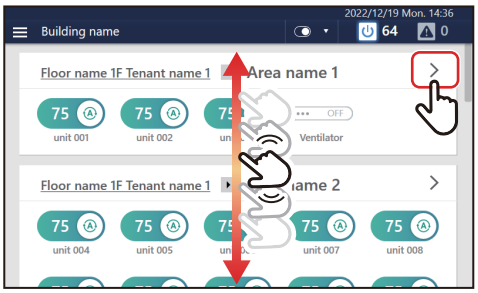
No.	Name (Icon)	Functions
1	Layer Group Name	By swiping to the right or left in the Layer Group Name, you can change the selected layer.
2	Level display area	You can select the floor to display in the floor layout. Displays the number of air conditioners installed on each layer. *
3	Floor layout area	Tap to display the floor layout on the entire screen.
4	BACK button	Returns you to the general layout screen.
5	Unit icon	Enables you to confirm the position of a unit on the floor layout. **Icon** / **Description** ● Indicates indoor unit and ON/OFF unit. Tap this icon to display the switch icon. ○ Indicates the Air to Water Heat Pump (ATW) of the hot water supply function. Tap this icon to display the switch icon. ◆ Indicates the leak detector (LD). Tap this icon to display the status of the leak detector (LD). ■ Indicates the FS unit. Tap this icon to display the status of the FS unit. ◆ and ■ can be displayed as connected by wires to ● . If you want to display the wires, refer to the manual for the Section Configuration Software.
6	Selected unit	Displays the operating status of the tapped unit.
7	Group display button	Tap to display the operating status of the group.
8	Group display	Displays the operating status of units group by group.

* Only the Air to Water Heat Pump (ATW) hot water supplies, the number of FS units and LDs are not included.

Group control screen ([CONTROL] tab)



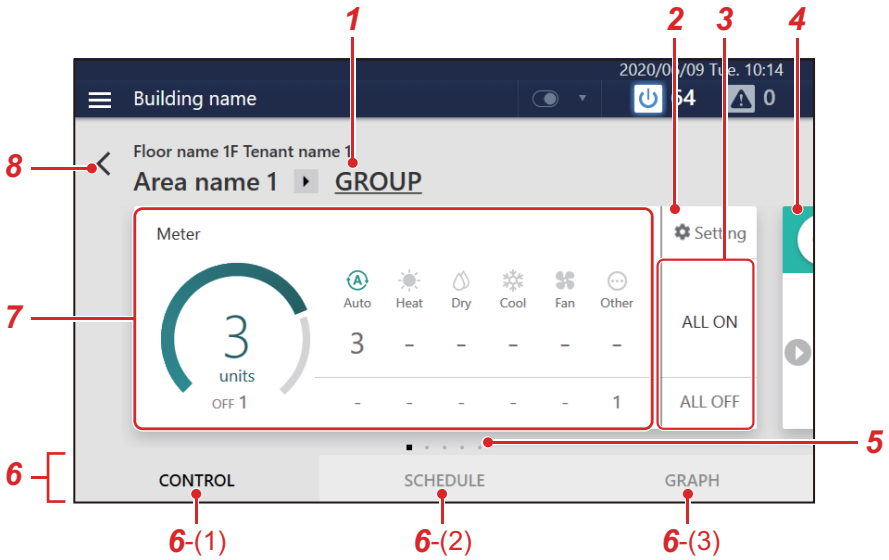
How to display the screen



1 **Scroll the home screen to display the group you want to change the settings for, then tap >**

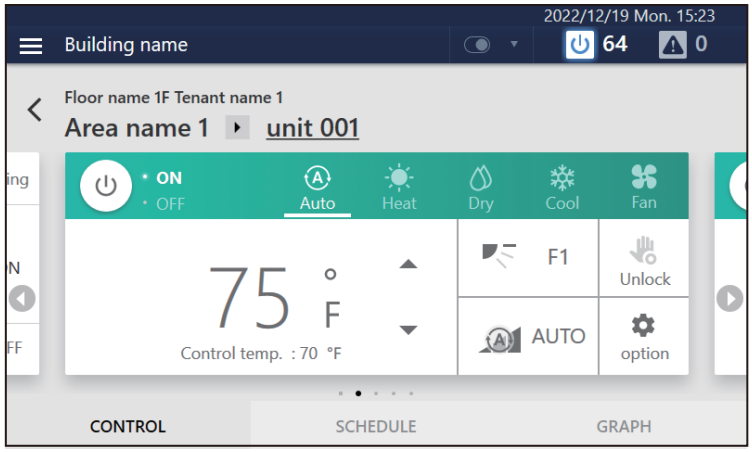
The [CONTROL] tab of the group screen is displayed.

Screen description

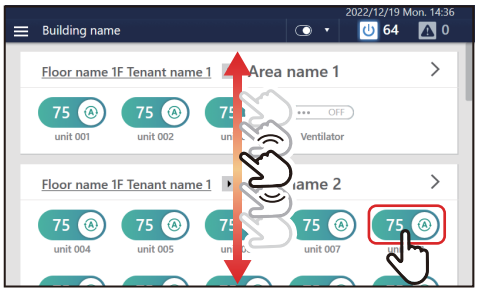


No.	Name (Icon)	Functions
1	Group name	Displays the name of the currently displayed group. Tap to display the drop-down menu. You can switch the display to the individual control screen for another air conditioner or ON/OFF unit registered in the group. GROUP unit 001 unit 002 unit 003 Ventilator
2	Setting	You can change overall settings of the group such as Mode, set temperature, air direction, and fan speed simultaneously. (P.38)
3	ALL ON/ALL OFF	You can turn the whole group ON/OFF simultaneously. (P.36)
4	Next screen	Tap to display the individual control screen of the air conditioner or ON/OFF unit registered in the group. You can flick the group screen to display it.
5	Display position	Only the number of air conditioners or ON/OFF unit registered in the group is displayed. For the currently displayed screen, • is displayed.
6	Switch tab	Tap to switch to the "6-(1)", "6-(2)" or "6-(3)" tab of the group screen.
7	Run	The ON/OFF meter on the left side can be used to check the total number of units operated in the group. On the right side you can check the number of units in each operation mode. The upper row shows the number of units in operation and the lower row shows the number of units stopped. If there are devices that do not have an operation mode, they will be displayed in [Other]. * The number of Air to Water Heat Pumps (ATW) of the hot water supply function is not included.
8	BACK button ( )	Returns to the Home.

Individual control screen ([CONTROL] tab)



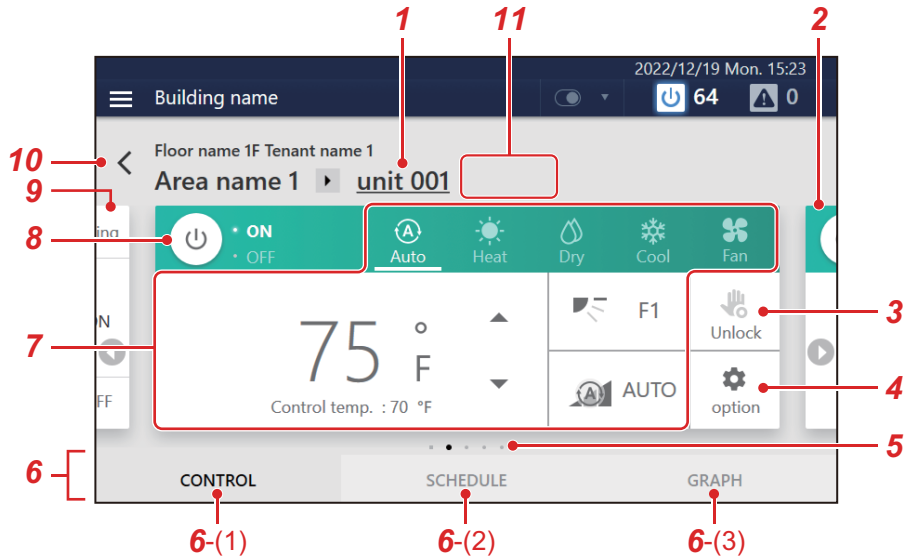
How to display the screen



1 **Scroll the home screen, display the air conditioner or ON/OFF unit that you want to change the settings for, then tap the switch**

The [CONTROL] tab of the individual control screen is displayed.

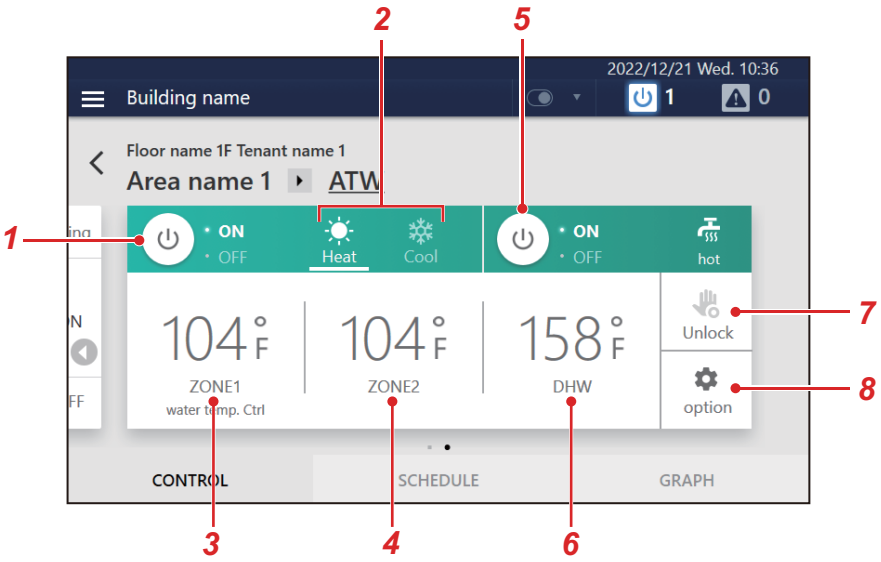
Screen description



No.	Name (Icon)	Functions
1	Unit name	The name of the air conditioner or ON/OFF unit currently displayed is shown. Tap to display the drop-down menu. You can switch the display to the group screen or another air conditioner or ON/OFF unit registered in the group. GROUP unit 001 unit 002 unit 003 Ventilator
2	Next screen	Tap to display the individual control screen for other air conditioners or ON/OFF unit registered in the group. You can also flick and display the individual control screen being displayed.
3	Lock setting of remote control	You can restrict the operating range of the local remote controller of the air conditioner(s) or ON/OFF unit. (P.50) If it is not restricted, [ ] is displayed. If there are restricted items, [ ] is displayed.
4	option	You can set or confirm the details of the operation method. (P.52)
5	Display position	Only the number of devices registered in the group is displayed. For the currently displayed screen, is displayed.
6	SWITCH tab	Tap to switch to the "6-(1)", "6-(2)" or "6-(3)" tab of the individual control screen.
7	Setting area	You can change basic settings such as operation mode, set temperature, air direction, and fan speed. (P.41)
8	ON/OFF	Tap to switch between ON/OFF.
9	Previous screen	Tap to display the individual control screen for other air conditioners or ON/OFF unit registered in the group. You can also flick and display the individual control screen being displayed. The group screen appears at the beginning.
10	BACK button ( )	Returns to the home screen.

No.	Name (Icon)	Functions
11	Remote-less 	Displays an icon for indoor units that have no local remote control.
	(LD) Refrigerant sensor life pre-notification 	This icon is displayed when the end of the operating life of the sensor in the connected leak detector (LD) is approaching. If this icon is displayed, contact your retailer or a service person.
	(FS unit) Out of battery 	This icon is displayed when the battery in the FS unit dies. If this icon is displayed, contact your retailer or a service person.
	(FS unit) Blocking 	This icon is displayed when the refrigerant in the FS unit is blocked.
	Stirring operation 	This icon is displayed when the stirring operation is in progress.

For the Air to Water Heat Pump (ATW)

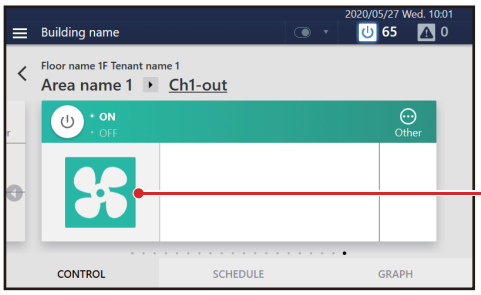


No.	Name (Icon)	Functions
1	Air conditioning ON/OFF icon	Tap to turn the air conditioning on or off.
2	Operation mode	You can change the air conditioner's operation mode. You can only change between heating and cooling.
3	ZONE1 Set temp.	You can change the set temperature of ZONE1.
4	ZONE2 Set temp.	You can change the set temperature of ZONE2.
5	DHW ON/OFF icon	Tap to turn the hot water on or off.
6	Hot water setting temperature	You can change the set temperature of hot water.
7	Lock setting of remote control	You can restrict the operating range of the local remote controller of the air conditioner(s) or ON/OFF unit. (P.50) If it is not restricted, [ ] is displayed. If there are restricted items, [ ] is displayed.
8	option	You can set or confirm the details of the operation method. (P.52)

NOTE

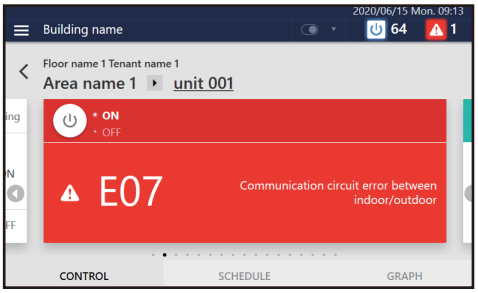
This screen is an example display for the Air to Water Heat Pump (ATW). Depending on the connected model, it may not be configurable.

NOTE

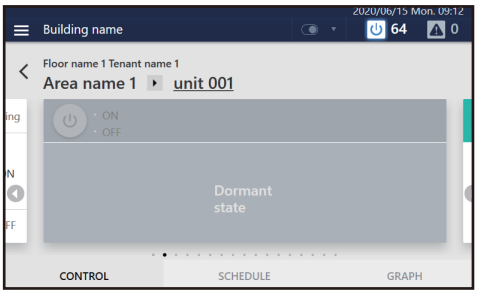


- For ON/OFF unit, only configurable items are displayed.

Icons are displayed only when they are registered. (P.83)



- If a malfunction occurs, an check code is displayed. Operation other than operation ON/OFF is not possible.



- Operation is impossible due to power outage (hibernation state).

5 Perform Initial Settings

CAUTION

You cannot connect the Unit to the Internet. Never connect it.
To connect to an external device, use a local area connection.

Unit Settings

Have service personnel perform the following work.

1 Check the installation and wiring of the main unit

Follow the installation instructions to complete the installation and wiring work.

2 Check the wiring between the remote controller, indoor unit, and outdoor unit

Check that the address from the remote controller to the Unit is correct, and switch ON/OFF, Cool/Heat and confirm that operation is normal.

3 Create a local setting file with the setting file creation software

Input necessary information based on local air conditioner information and display language settings, etc. into a PC on which the setting file creation software is installed to create a local settings file.

4 Upload the local settings file

Connect the Unit to the PC via LAN and upload the local settings file.
While uploading, the Unit restarts.

5 Confirm the setting contents

Check that the screen display of the Unit is set according to the local settings file, perform ON/OFF, and confirm that the Unit operated on the screen matches the Unit that actually starts to operate.

NOTE

If, after the initial settings, you want to change the names of tenants, groups, or air conditioners from the customer's computer, use "Section Configuration Software" the PC software provided.
You can download the owner's manual and installer for "Section Configuration Software" from inside the controller.
After setting the IP address of the computer (P.31), use the customer's web browser to access the following URL.
http://192.168.2.80/touchscreencontroller/EN-UL/download.html*

* Input the value set in "Set the IP address of the Touch Screen Controller" (P.87) in place of "192.168.2.80".

Settings for Remote Monitoring with a PC

You can monitor and control the Unit by accessing it from a PC. This section explains the settings for the Unit and the PC. Please see "9. Remote Monitoring Using a PC" (P.96) for the system diagram and the PC operating environment.

NOTE

Some functions cannot be used from a PC. For details, please see "List by Lock Level/Level" (P.106)

System diagram



Unit settings

1 **Set the user account for remote operation (P.84)**

2 **Set the IP address (P.87)**

3 **Set a destination to send email to when a malfunction occurs (P.88)**

PC settings

Settings

IP address/ Subnet mask	Set it to be the same network as the Unit. (Example: the Unit 192.168.2.80/PC 192.168.2.90/subnet 255.255.255.0)
Drive C	Ensure that you have 500 MB or more free space and start up as a user with read/write authority.

Operating enviroment

The following environment is necessary to use this function.

OS	Windows 10, Windows 11
.NET Framework	4.8
Web browser	Microsoft Edge, Google Chrome latest version

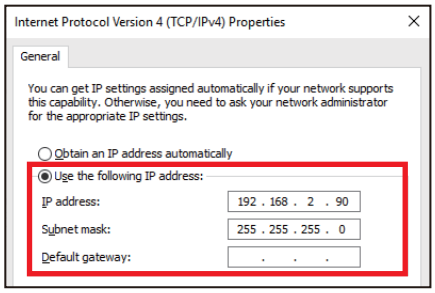
How to set the IP address of the PC

1 **Display the properties of the network to connect to the System Controller**

2 **Check "Internet Protocol Version 4 (TCP / IPv4)" and click the [Properties] button**

3 **Select "Use the following IP address", set IP address to 192.168.2.*** and Subnet mask to 255.255.255.0, and click the OK button ***

* For "***", enter an address different from that of the System Controller to connect.



NOTE

If your PC is set to use a proxy server, exclude the IP address of the System Controller.

Install the software

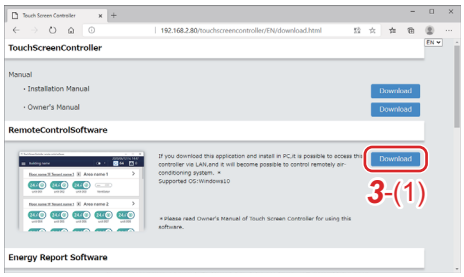
1 Open the web browser of your PC

2 Access "http://[server name or IP address]/touchscreencontroller/[language code]/download.html"

Server name or IP address : Input the IP address that was set in "Set the IP address of the Touch Screen Controller" (P.87).

Language code : Enter the following value according to the language.

Language	Language Code
English	EN-UL
French	FR-UL
Spanish	ES-UL



3 Click [*3*-(1)] *

4 Save the file according to the browser message

5 Double-click on the saved "installer_touchscreencontroller.exe" to unzip/install (setup.exe)

When the installation is completed, a shortcut icon is created on the desktop.



NOTE

If .NET Framework 4.8 is not installed on the PC, this software will not work properly.
Be sure to download and install .NET Framework 4.8 from the above website.

* About downloading the application

Depending on the browser and other settings, application download may be blocked or not executed due to security and other functions.
Please download selecting "Save" or "Download" from the download option menu.

Setting when Using Energy Report Software 2

By using the Energy Report Software 2, you can display the operation status and operation history of the air conditioners aggregated by this Unit on a PC screen. You can also easily check and output reports (monthly report/daily report) for electric power distribution with a PC. When using the Energy Report Software 2, apply the following settings.

NOTE

For details on how to use the Energy Report Software 2, refer to the Operating Instructions of the Energy Report Software 2.

Unit settings

1 **Set the IP address of the Unit (P.87)**

PC settings

1 **Install the Energy Report Software 2 on the PC**

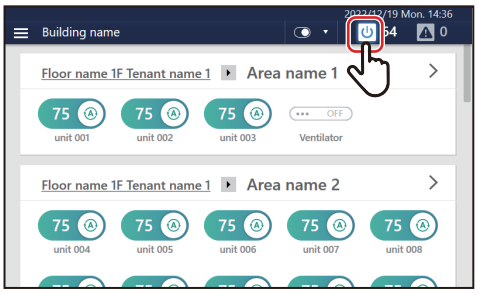
2 **Register the target system (this Unit) in the Energy Report Software 2**

6 Basic Usage

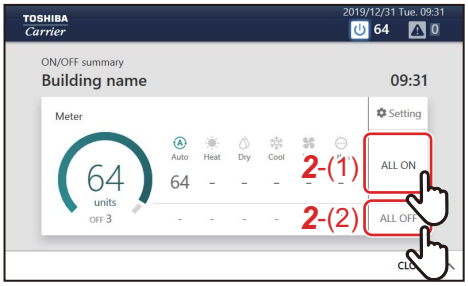
This section explains the basic setting method for operation Start/Stop and air conditioning, the setting method for the operation schedule, and the confirmation method for the overall air conditioning system.

Start/Stop Operation

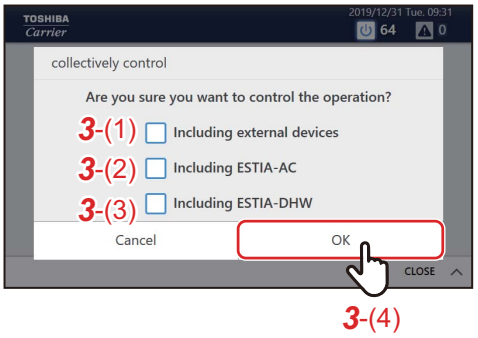
Overall air conditioning system operation method



1 **Tap** /



2 **Tap [*2*-(1)] or [*2*-(2)]**



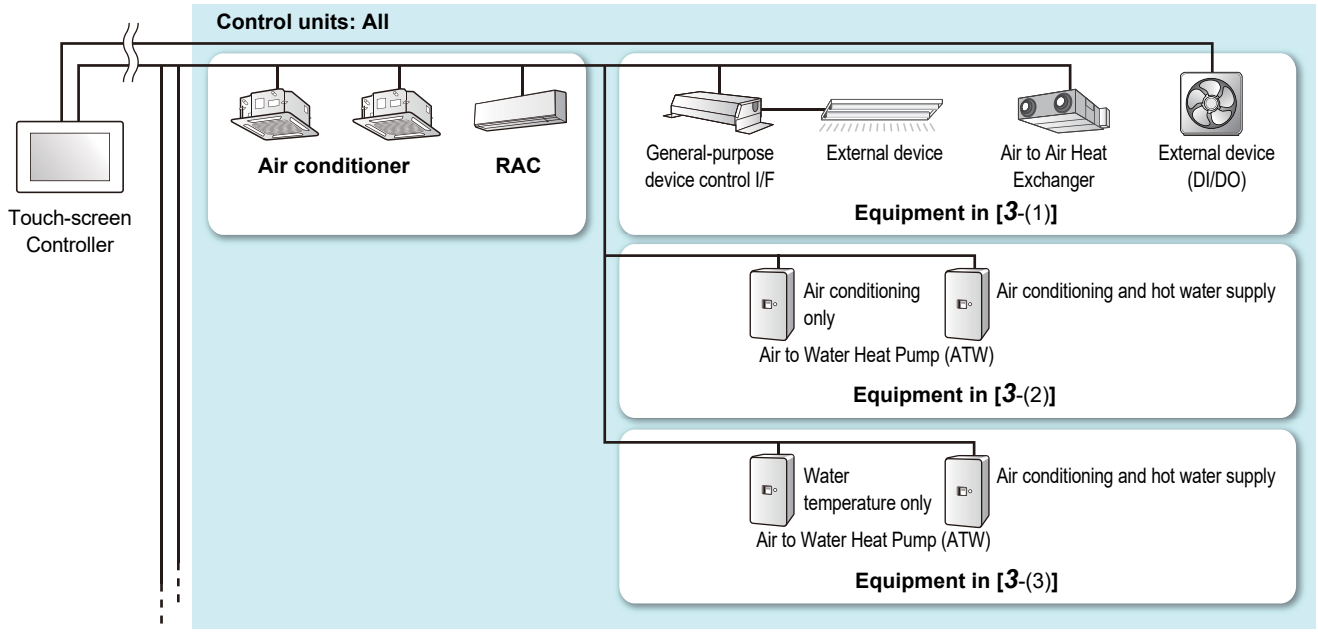
3 **Select the equipment to add to be operated, and then tap [*3*-(4)]**

All the air conditioners and the selected equipment start or stop operations.

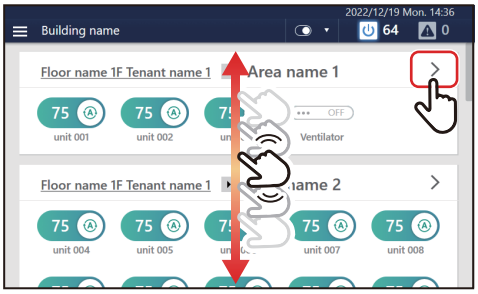
The selected equipment and air conditioners are added to equipment to be operated. *

No.	Item	Equipment to be added
3-(1)	Including external devices	External device
3-(2)	Including ESTIA-AC	Air to Water Heat Pump (ATW) with air conditioning function
3-(3)	Including ESTIA-DHW	Air to Water Heat Pump (ATW) in hot water supply function

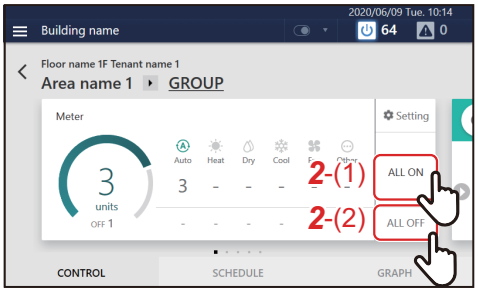
*** About selecting confirmation popups**



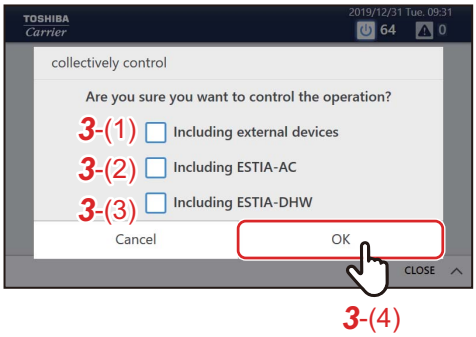
Group unit operation method



1 **Scroll the home screen to display the group you want to change the settings for, then tap >**



2 **Tap [*2*-(1)] or [*2*-(2)]**



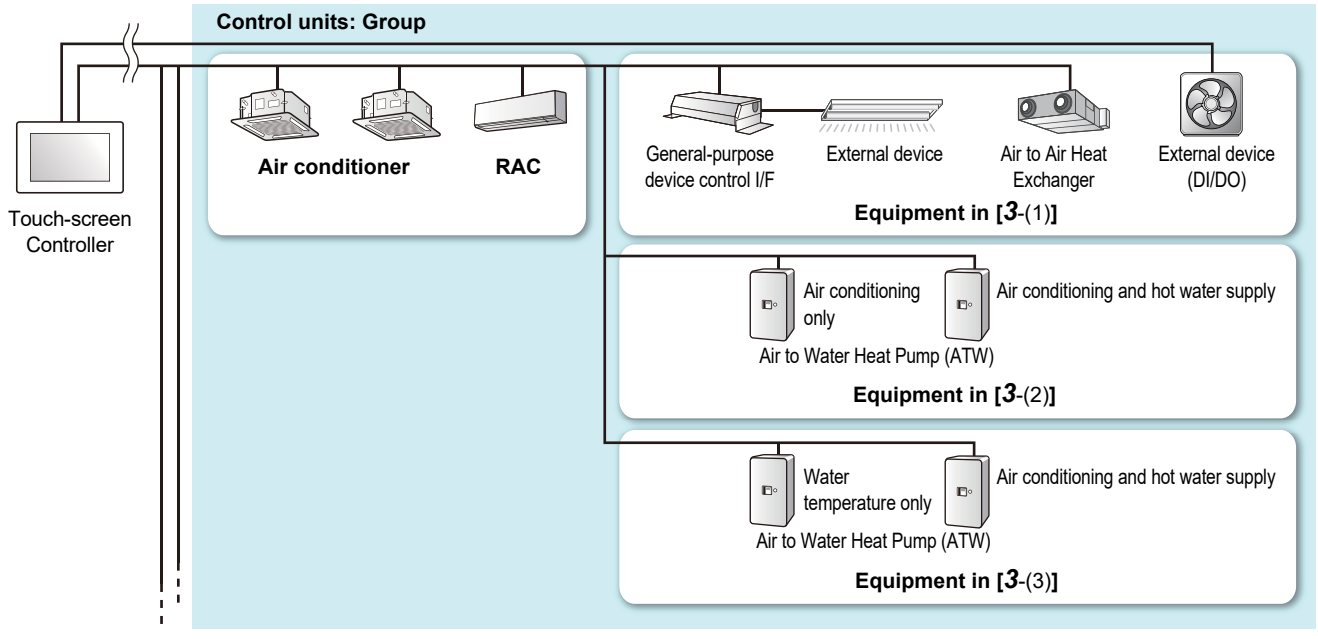
3 **Select the equipment to add to be operated, and then tap [*3*-(4)]**

All the air conditioners selected in the group and the selected equipment start or stop operations.

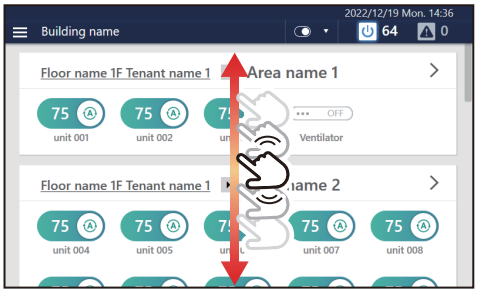
The selected equipment and air conditioners are added to equipment to be operated. *

No.	Item	Equipment to be added
3-(1)	Including external devices	External device
3-(2)	Including ESTIA-AC	Air to Water Heat Pump (ATW) with air conditioning function
3-(3)	Including ESTIA-DHW	Air to Water Heat Pump (ATW) in hot water supply function

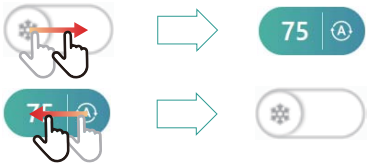
*** About selecting confirmation popups**



Operation method in units of air conditioner or ON/OFF unit

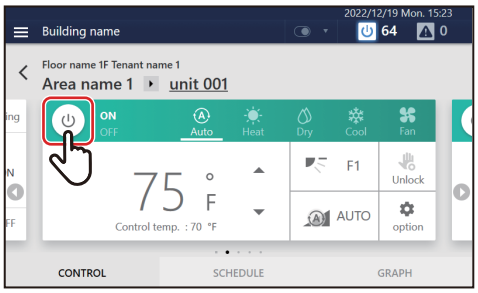


1 Scroll the home screen and display the air conditioner or ON/OFF unit that you want to change the settings for



2 Drag or flick the ◯ of the corresponding switch

Drag or flick to the right to start operation.
Drag or flick to the left to stop operation.

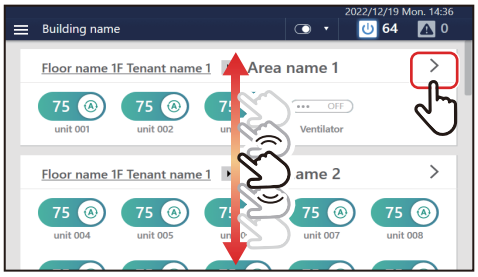


NOTE

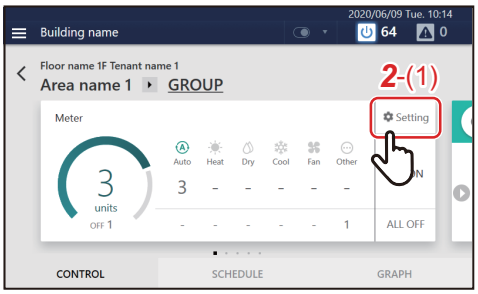
You can also start/stop operation by tapping the power icon on the [CONTROL] tab on the individual control screen displayed by tapping the switch.

Change the Air Conditioning Settings

Group unit operation method

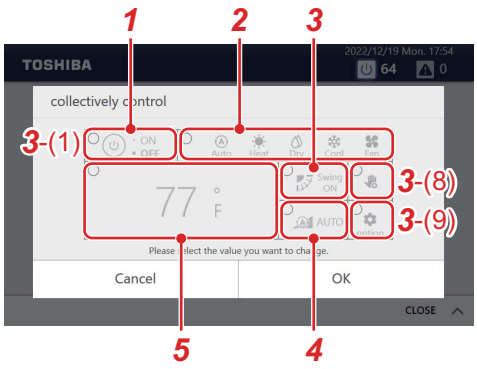


1 **Scroll the home screen to display the group you want to change the settings for, then tap >**



2 **Tap [*2*-(1)]**

The batch settings screen is displayed.

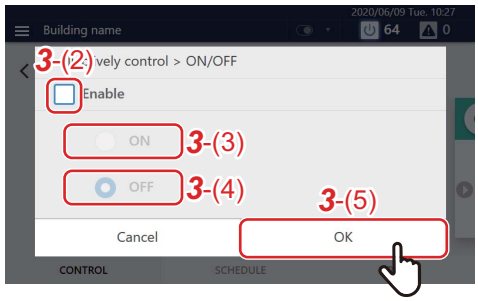


3 **Change settings**

Example: When changing the operation status settings

3-1 Tap [*3*-(1)]

The operation status settings screen is displayed.



3-2 Set the check box of [*3*-(2)] to ☑

You can now change the settings.

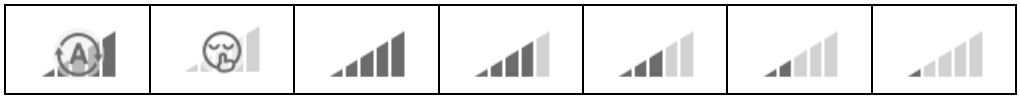
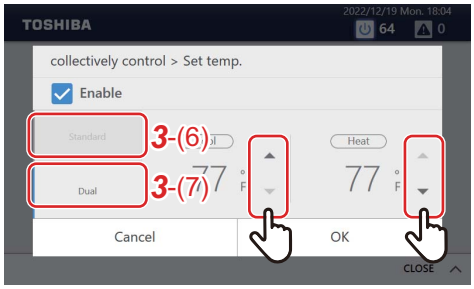
3-3 Select [*3*-(3)] or [*3*-(4)] and tap [*3*-(5)]

Return to the batch settings screen.

3-4 Change the other items with reference to steps ***3-1*** to ***3-3***

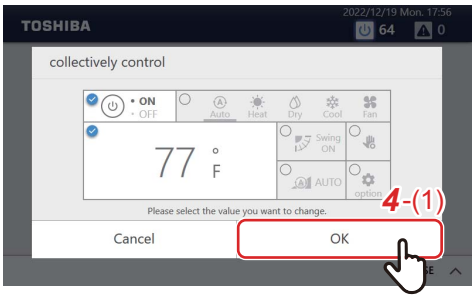
For the setting details, see the following table.

No.	Name	Functions
1	ON/OFF	Can be set to [ON/OFF].
2	Mode	Can be set to [Auto/Heat/Dry/Cool/Fan]. **NOTE** • A bar is displayed at the bottom of the icon for the currently selected mode. • Operation modes that cannot be set are not displayed.

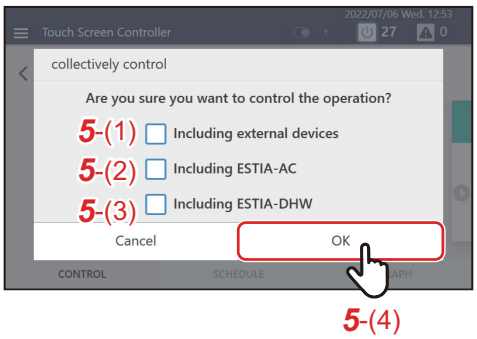
No.	Name	Functions
3	Wind direction	Tap ◀ ▶ to switch to the following.  **NOTE** Depending on the connected model, it may not be configurable.
4	Fan Speed	Tap ◀ ▶ to switch to the following.  **NOTE** Depending on the connected model, it may not be configurable.
5	Set temp.	Tap ▲ ▼ to change the set temperature. **NOTE** • When set to a temperature outside the setting range limit of each operation mode, the temperature is changed to the upper or lower limit of the setting range. • If there are Dual Set Point compatible models in the group, two tabs will be displayed. When you tap [*3*-(6)], one set temperature is displayed, and when you tap [*3*-(7)], two set temperatures are displayed. Tap ▲ ▼ to change the set temperature. 

NOTE

- For models that do not have the function set, the setting change is ignored.
- For the setting of [Lock] [Unlock] of [*3*-(8)], see "Local Remote Controller Lock" (P.50).
- For the [Option] settings of [*3*-(9)], see "Set Operation Details" (P.52).



4 Confirm that the changed item is checked, and tap [*4*-(1)]



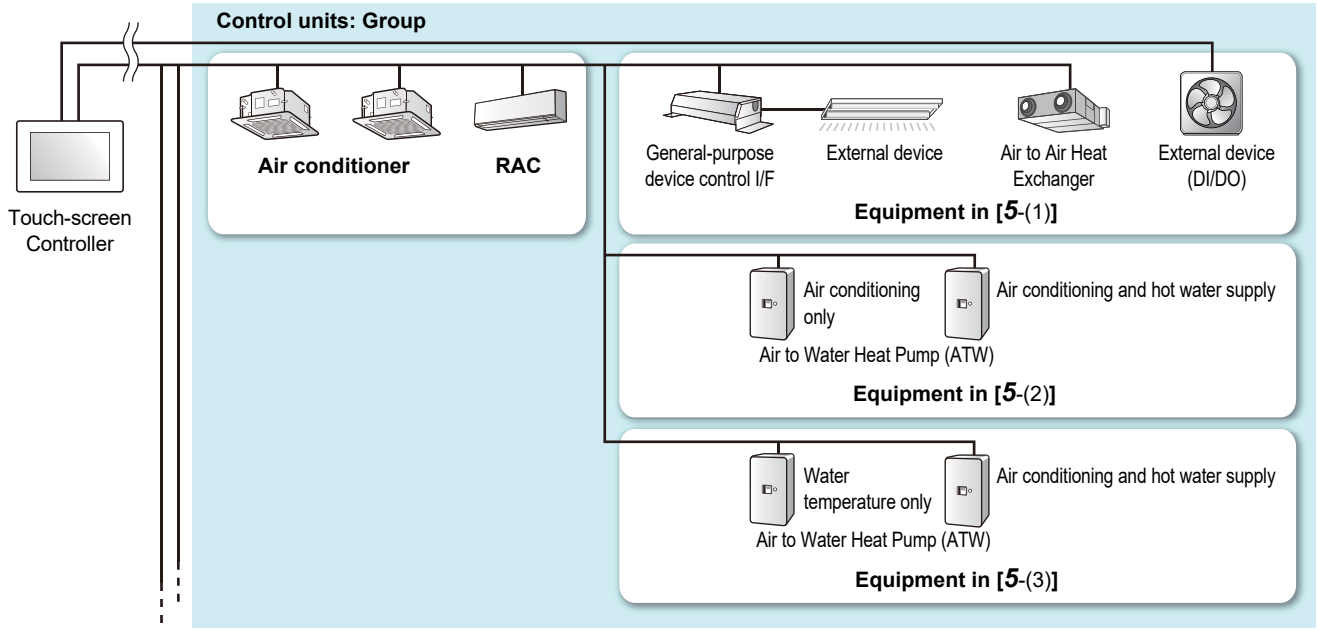
5 Select the equipment to add to be operated, and then tap [5-(4)]

All the air conditioners selected in the group and the selected equipment start or stop operations.

The selected equipment and air conditioners are added to equipment to be operated. *

No.	Item	Equipment to be added
5-(1)	Including external devices	External device
5-(2)	Including ESTIA-AC	Air to Water Heat Pump (ATW) with air conditioning function
5-(3)	Including ESTIA-DHW	Air to Water Heat Pump (ATW) in hot water supply function

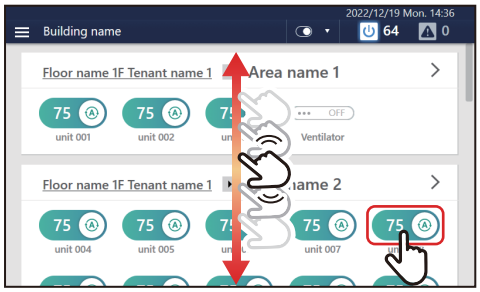
*** About selecting confirmation popups**



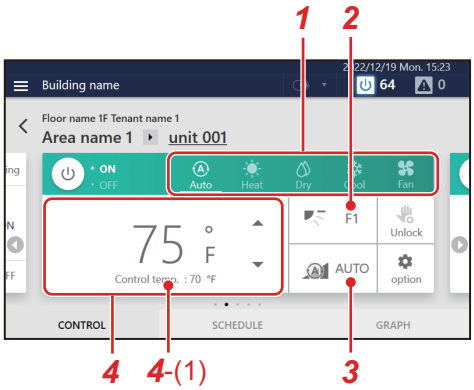
Air conditioner unit operation method

NOTE

To change the settings, it is necessary to set to the operation status. (P.37)



1 Scroll the home screen, display the air conditioner you want to change the settings for, then tap the switch



2 Change settings

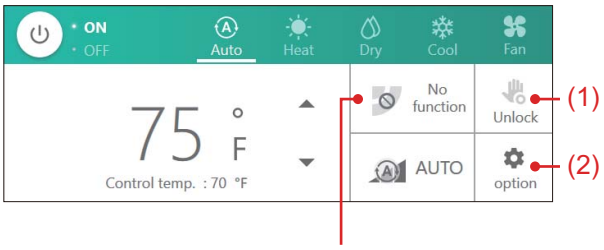
No.	Name	Functions
1	Mode	Can be set to [Auto/Heat/Dry/Cool/Fan]. **NOTE** • A bar is displayed at the bottom of the icon for the currently selected mode. • Operation modes that cannot be set are not displayed.
2	Wind direction	Tap to switch to the following.  **Operation Mode** / **Setting Range** Auto (Cool)/Cool/Dry: Swing ON→Swing OFF→F1→F2→F3→Swing ON (Return to the beginning) Auto (Heat)/Heat/Fan: Swing ON→Swing OFF→F1→F2→F3→F4→F5→ Swing ON (Return to the beginning) **NOTE** Depending on the connected model, it may not be configurable.

No.	Name	Functions
3	Fan Speed	Tap to switch to the following.  **NOTE** Depending on the connected model, it may not be configurable.
4	Set temp.	Tap ▲ ▼ to change the set temperature. **NOTE** • If the operation mode is FAN, the temperature cannot be set. • [4-(1)] shows the indoor temperature detected by the indoor unit after partial compensation. *Depending on conditions such as the installation site of the indoor unit, it may differ from actual room temperature. • In this area, icons and text are displayed, such as for frost protection, preparing for operation, or preparing for heating operation.

NOTE

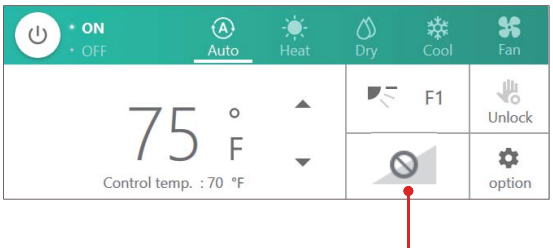
- For the setting of [(1)], see "Local Remote Controller Lock" (P.50).
- For the setting of [(2)], see "Set Operation Details" (P.52).
- If there is no corresponding function, that item is not displayed.

Example of a model without a flap



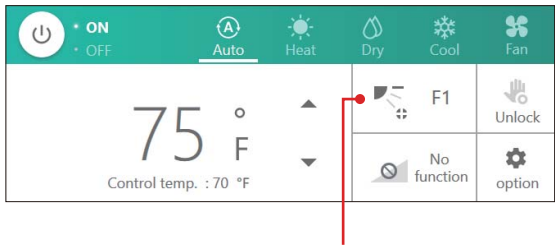
Since you cannot set the air direction, it does not change even if you tap it.

Example of a model where only a certain fan speed can be set



Since you cannot change the fan speed, it does not change even if you tap it.

Example of a case in which the wind direction cannot be changed



Because the flap is locked, you cannot change the wind direction even if you tap it.

Set the Operation Schedule

You can configure the air conditioners or the ON/OFF unit with a “Weekly schedule”, through which settings such as operation start/stop are changed depending on the specified time for any day from Sunday to Saturday, or a “Special day schedule”, through which settings are changed for special days such as national holidays or special holidays. The operation schedule is set on the [SCHEDULE] tab of the group screen or individual control screen.

NOTE

If a day is set in both the Weekly schedule and the Special day schedule, the Special day schedule applies and the Weekly schedule is disabled for that day.

Screen description

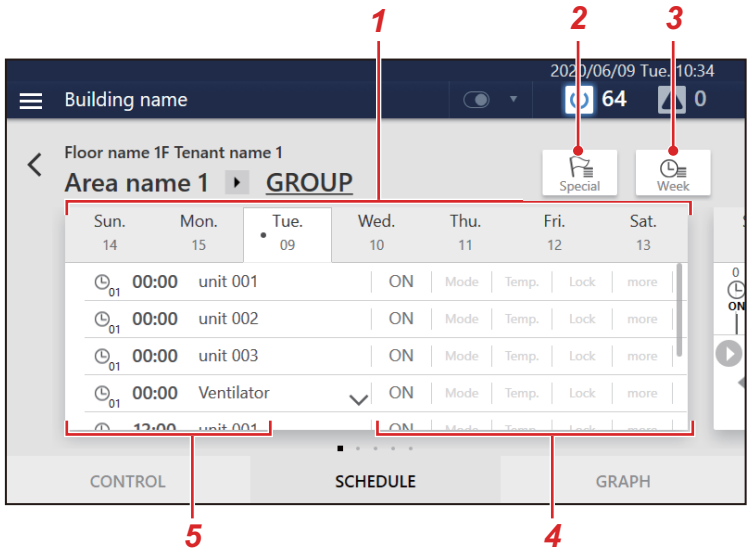
This section explains how to view the [SCHEDULE] tab when setting the operation schedule.

NOTE

Refer to the description of the [CONTROL] tab for the display items that are not explained. (P.22, 24)

Group screen

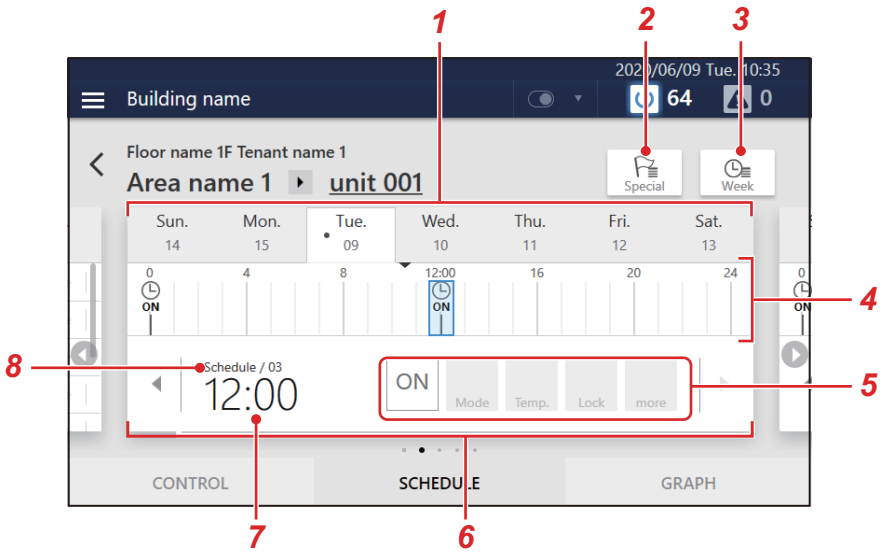
The schedule set for the air conditioners or ON/OFF unit in the group is displayed in list format in time units.



No.	Functions
1	You can switch the display in day-of-week units.
2	Displays the setting screen of Special day schedule.
3	Displays the setting screen of Weekly schedule.
4	The schedule settings content (ON/OFF, Mode, Temp., Lock, more) is displayed.
5	The times when the schedule is executed and the air conditioners and ON/OFF unit for which the schedule is executed are displayed.

Individual control screen

The schedule set for the air conditioner or ON/OFF unit being displayed is displayed on a 24-hour time scale.



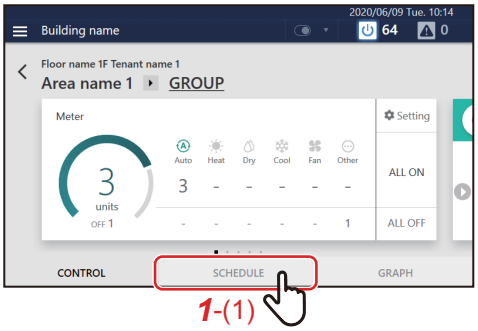
No.	Functions
1	You can switch the display in day-of-week units.
2	Displays the setting screen of Special day schedule.
3	Displays the setting screen of Weekly schedule.
4	is displayed at the times when the schedule is set. When operation start/stop is set, [ON] or [OFF] is displayed below . When setting change is set, is displayed below . Also, the currently displayed schedule is displayed in blue.
5	The schedule settings content (ON/OFF, Mode, Temp., Lock, more) is displayed.
6	You can switch the display to the previous or next schedule.
7	The times when the schedule will be executed are displayed.
8	The schedule setting number is displayed.

Create a new weekly schedule

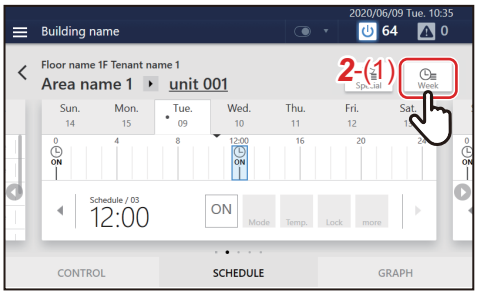
In a Weekly schedule, you can set:

- Start time
- Day(s) of the week
- Air conditioner(s) or ON/OFF unit
- ON/OFF

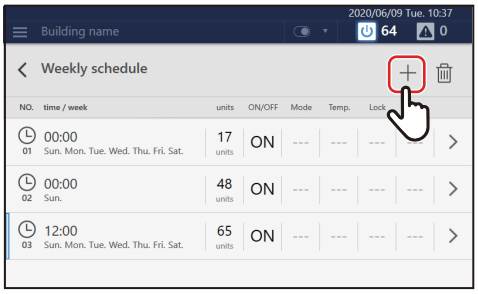
Schedule settings can be applied from either the group screen or the individual control screen. In the following procedure, the individual control screen is used to explain.



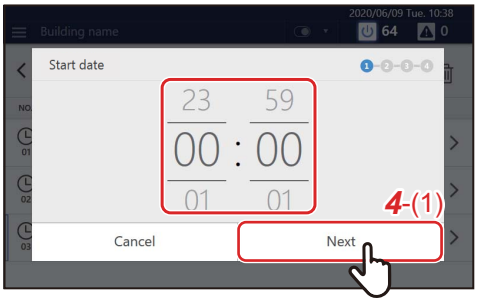
1 **Tap [*1*-(1)] on the group screen or individual control screen**



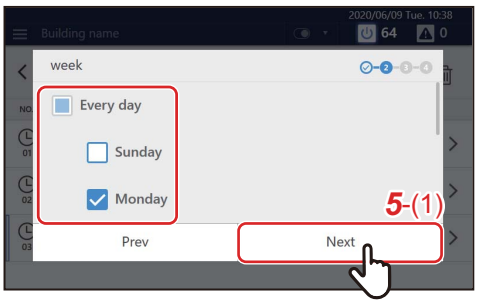
2 **Tap [*2*-(1)]**



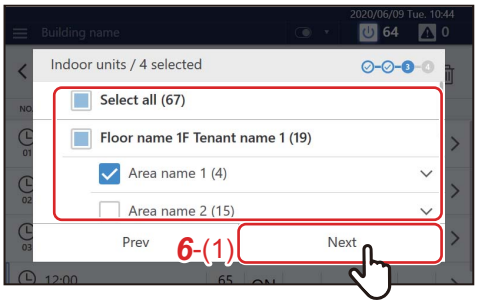
3 **Tap +**



4 **Tap or flick to set the start time and tap [*4*-(1)]**



5 **Select the day of the week to execute and tap [*5*-(1)]**



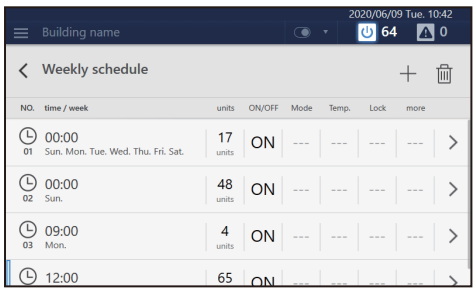
6 **Select the air conditioner(s) or ON/OFF unit for setting the schedule and tap [*6*-(1)]**

You cannot select a model that has already been scheduled at the same time.



7 **Tap the check box of [*7*-(1)] and set it to ☑, then select [*7*-(2)] or [*7*-(3)] and tap [*7*-(4)]**

You can only set [ON/OFF] here.



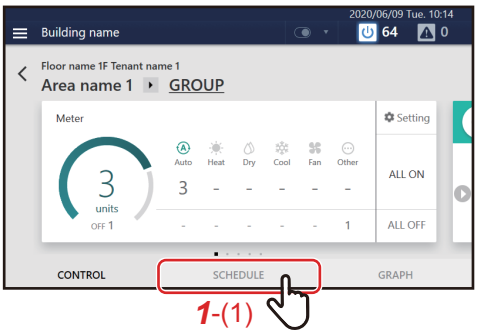
A schedule has been registered.

NOTE

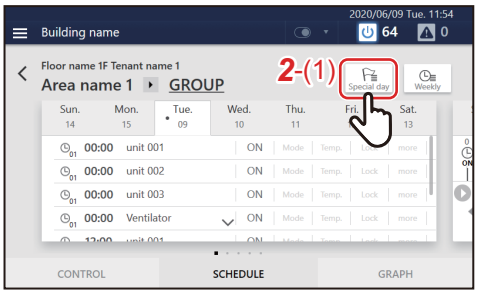
- When setting details such as operation mode or set temperature, etc. as a schedule, refer to "Change the Operating Schedule" (P.63).
- When deleting a registered schedule, refer to "Delete the operation schedule" (P.70).

Create a new special day schedule

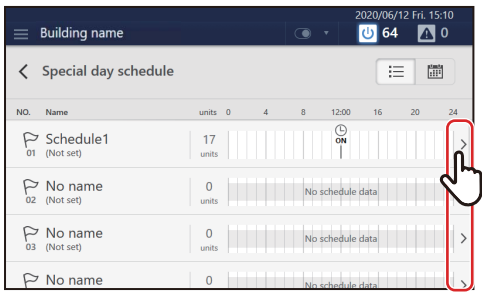
In a Special day schedule, you can register special days, such as national holidays and special holidays, to configure a special day schedule that differs from the Weekly schedule.
Schedules can be configured from the group screen or the individual control screen. The following procedure is explained using the individual control screen.



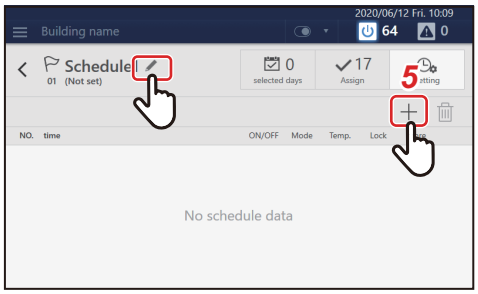
1 Tap [1-(1)] on the group screen or the individual control screen



2 Tap [2-(1)]

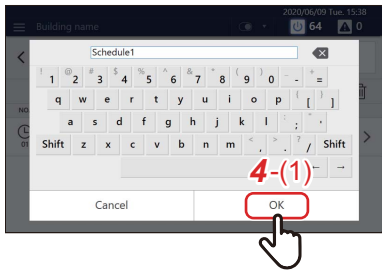


3 Tap >



4 Tap and set the schedule name

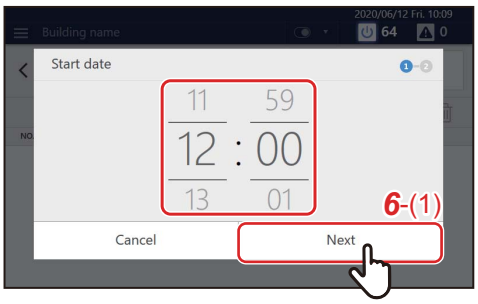
A keyboard is displayed. Enter the name and then tap [4-(1)].



5 Tap + to go to step 6

NOTE

- Tap [Shift] to toggle between upper case letters and lower case letters, and numbers and symbols.
- Tap ⌫ to delete one character.

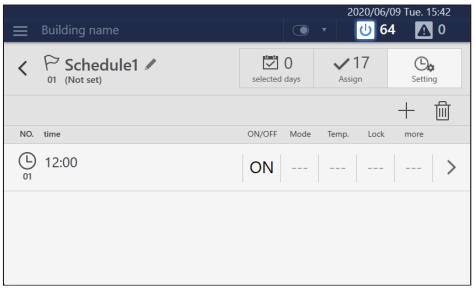


6 Tap or flick to set the start date, and then tap [6-(1)]



7 Tap the check box of [7-(1)] and set it to ☑, then select [7-(2)] or [7-(3)] and tap [7-(4)]

You can only set [ON/OFF] here.



The schedule is registered.

NOTE

- When setting details such as the mode or the set temperature to a schedule, refer to "Change the details of the special day schedule" (P.65)
- When deleting a registered schedule, refer to "Delete the operation schedule" (P.70).

Monitor the Overall Air Conditioning System

To check the operation status of the overall air conditioning system, tap / to display the batch ON/OFF screen.
To check the malfunction occurrence status, tap / to display the check code screen.



No.	Functions
1	Displays the overall number of operating units as ON/OFF meters and numerical values. *
2	Displays the number of units for each operation mode. The upper row shows the number of units in operation and the lower row shows the number of units stopped. * If there is ON/OFF unit, it is displayed in [2-(1)].
3	You can change the operation status of the overall air conditioning system. (P.34) For the Option settings, see step 3 on (P.38).
4	Tap to close the batch ON/OFF screen. **NOTE** You can also tap / to close.
5	The check code, check content, notice code, notice content, occurrence location, and occurrence time are displayed.
6	Stop operation of all air conditioners and ON/OFF unit where check codes are displayed and erase the check code (s). **NOTE** For some ON/OFF unit, only the operation stops, and the check code (s) are not erased.
7	Stop the applicable air conditioner(s) or ON/OFF unit and erase the check code (s). **NOTE** For some ON/OFF unit, only the operation stops, and the check code (s) are not erased.
8	Tap to close the check code screen. **NOTE** You can also tap / to close.

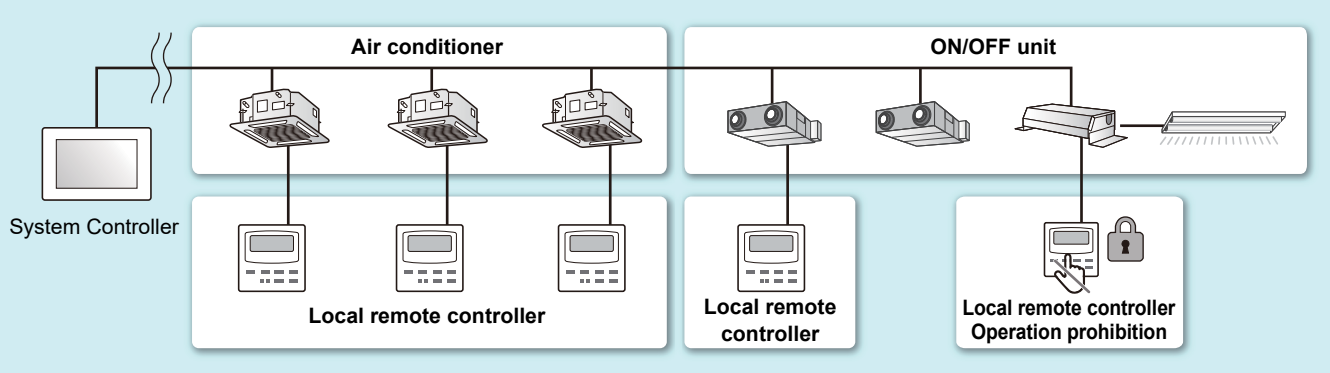
* The number of Air to Water Heat Pumps (ATW) of the hot water supply function is not included.

7 Various Functions

This section explains detailed settings on the [CONTROL] tab, how to change the schedule on the [SCHEDULE] tab, and how to check the power usage on the [GRAPH] tab.

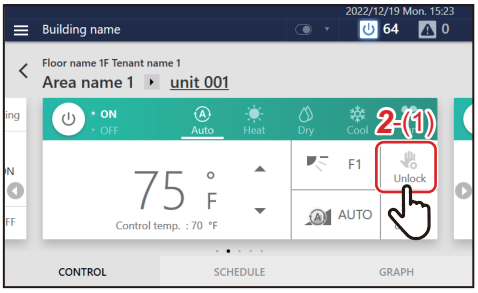
Local Remote Controller Lock

You can restrict operation of the local remote controllers that belong to each air conditioner.



1 Display the [CONTROL] tab of the air conditioner(s) whose setting you want to change (P.22, 24) When changing in group units, display the batch settings screen (P.38)

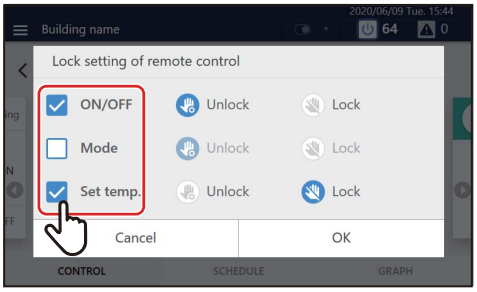
In the following procedure, the [CONTROL] tab of the individual control screen is used to explain.



2 Tap [2-(1)]

NOTE

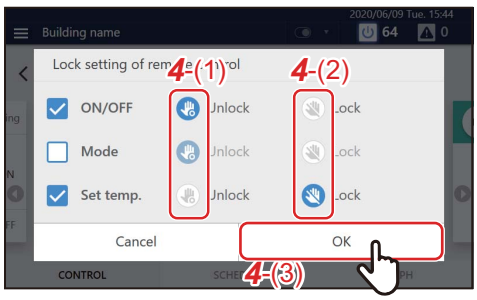
appears if it is not locked. appears if there is a locked item.



3 Tap the check box of the function whose setting you want to change to set it to ☑

NOTE

The display items vary depending on the model.



4 Select [4-(1)] or [4-(2)], then tap [4-(3)]

●REQUIREMENT

If you set the check box to ☐ before tapping [4-(3)], the setting will not be applied.

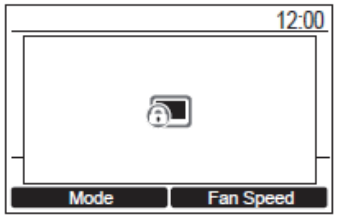
NOTE

When local remote control operation is prohibited, if there is a power failure, the local remote control prohibited status will be cancelled when the power returns.
Ask service personnel if you want to continue the local remote control prohibited status after returning from a power failure.

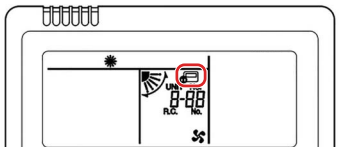
NOTE

If you perform an operation that is locked with the local remote controller, the lock screen or a message will be displayed.

Lock screen example (Energy saving neo remote controller)



(Wired remote controller)

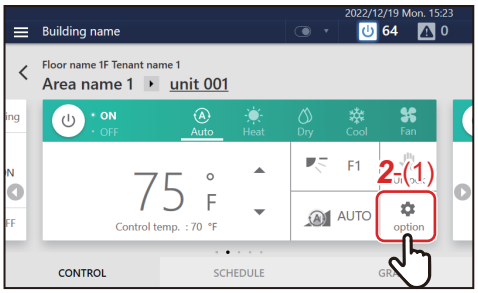


Set Operation Details

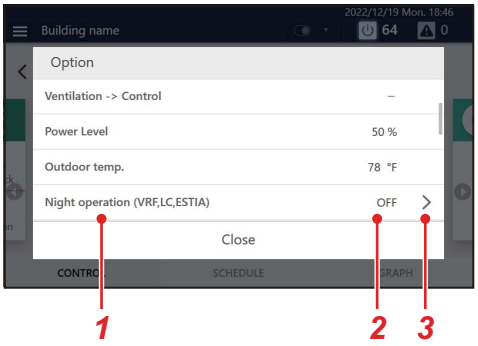
You can check the current settings of the air conditioner(s) or ON/OFF unit, and set the details of the operation method.

1 Display the [CONTROL] tab of the air conditioner(s) or ON/OFF unit whose setting you want to change (P.24)
When changing in group units, display the batch settings screen (P.38)

In the following procedure, the individual control screen is used to explain.



2 Tap [2-(1)]



The option screen appears.

No.	Functions
1	The function name appears.
2	The currently set contents are displayed. If the settings are invalid, "–" is displayed.
3	When the settings can be changed, > is displayed. Tap to display the settings screen.

3 Scroll up and down to display the items you want to set/check

4 To change, tap > to display the settings screen, then tap [OK] after changing the settings

For details on the confirmation/setting contents of each item, refer to the following. The items displayed depend on the model and state.

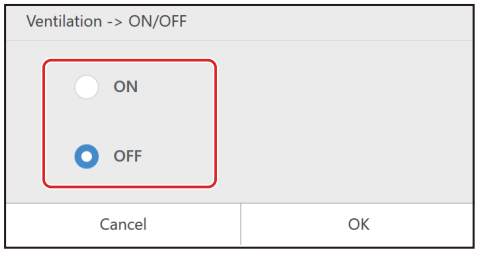
Options for air conditioners

Function Name	Overview	Setting Items	Reference Page
Ventilation → ON/OFF	Controls the operation of the ventilator connected to the air to air heat exchanger(s) or the air conditioner(s).	ON/OFF	P.55
Ventilation → Mode	Controls the ventilation mode of the ventilator connected to the air to air heat exchanger(s) or the air conditioner(s).	Bypass/Heat exchange/ Automatic	P.55
Ventilation → Fan speed	Controls the operation of the ventilator connected to the air to air heat exchanger(s) or the air conditioner(s).	High/Middle/ Supply air > Exhaust air/ Exhaust air > Supply air	P.55
Ventilation → Control	24-hour ventilation/Nighttime heat purge	–	–
Power Level	You can monitor the output status of the air conditioner(s).	–	P.55
Outdoor temp.	You can monitor the outdoor temperature detected by the outdoor unit.	–	P.56
Night operation setting (VRF, LC, ESTIA)	Outdoor units can be set to low sound.	ON/OFF	P.56
Night operation setting (RAC)	Outdoor units can be set to low sound.	OFF, Night operation 1, Night operation 2	P.56
Filter sign reset	You can clear the FILTER Sign. You can clear the Hour.	OK/Cancel	P.56
Inspection	You can check the check code that has occurred.	–	–
Soft Cooling	You can set to Middle COOL.	ON/OFF	P.56
Energy saving ratio [%]	You can control the cooling/heating output of the air conditioner(s).	Release (100%)/ Max.(50 - 100%)/50/0	P.57
Saving operation	You can operate the indoor unit by saving the power.	ON/OFF	P.57
Forced Thermo OFF	You can release Thermo OFF.	Invalid	P.57
Return Back	You can control Return Back.	Cool (release, enable), Heat (release, enable)	P.57
Power peak cut	You can monitor whether the outdoor unit is controlling demand.	–	P.57
Eco Temperature Shift	You can set whether to change (shift) the set temperature.	OK/Cancel	P.58
Frost protection	Frost protection can be controlled.	ON/OFF	P.58
Set temp. range limit	You can change the set temperature range for each operation mode.	64°F to 84°F (18°C to 29°C) * It may differ depending on the region and model.	P.59
HiPower	HiPower can be controlled.	ON/OFF	P.59
ECO	ECO can be controlled.	ON/OFF	P.59
Power Select	Power Select can be controlled.	50%, 75%, 100%	P.60
PURE	PURE can be controlled.	ON/OFF	P.60
Fireplace	Fireplace can be controlled.	OFF, Fireplace 1, Fireplace 2	P.60
Notice Code	Displays Notice Codes that occur during operations.	–	P.60
Check Code (During backup operation)	Displays Check Codes that occur during backup operations.	–	P.60
Unit information	Unit information can be confirmed.	–	P.61

Options for Air to Water Heat Pump (ATW)

Function Name	Overview	Setting Items	Reference Page
Auto mode	Auto mode can be controlled.	ON/OFF	P.61
Night set back	Night set back can be allowed.	Enable/Disable	P.61
Night operation setting (VRF, LC, ESTIA)	Outdoor units can be set to low sound.	ON/OFF	P.56
Hot water boost	Hot water boost can be controlled.	ON/OFF	P.61
Anti bacteria	Antibacterial can be allowed.	Enable/Disable	P.62
Frost protection	Frost protection can be controlled.	ON/OFF	P.58
ESTIA information	Shows the following operating statuses. Boiler operation, Comp operation, DHW heater, Heater, Pump 1 operation, Pump 2 operation	–	P.62
Check Code (During backup operation)	Displays Check Codes that occur during backup operations.	–	P.60
Unit information	Unit information can be confirmed.	–	P.61

Turn ON/OFF the ventilation function



You can turn ON/OFF the operation of the ventilator connected to the air to air heat exchanger(s) or air conditioner(s).

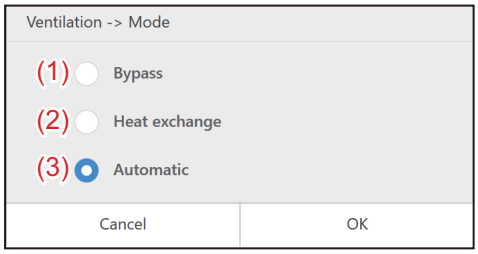
NOTE

Depending on the connected model, it may not be configurable.

Set ventilation mode

You can set the ventilation mode of the ventilator connected to the air to air heat exchanger(s) or the air conditioner(s).
The settings screen displayed differs depending on the setting state of [Ventilation → ON/OFF].

When [ON] is selected under [Ventilation → ON/OFF]

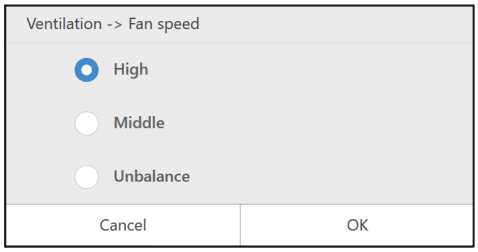


(1) Bypass: Outdoor air is taken into a room as it is.
(2) Heat exchange: Exchanging heat between the outdoor air and return air and making the temperature and humidity of the outdoor air closer to those of the return air before supplying it.
(3) Automatic: Total Heat Ventilation and Bypass Ventilation are switched automatically.

NOTE

Depending on the connected model, some or all items may not be configurable.

Setting the ventilation fan speed



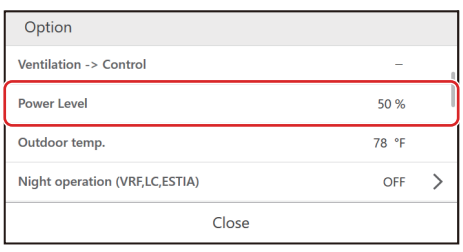
You can set the ventilation fan speed of the ventilator connected to the air to air heat exchange unit or the air conditioner. The choices displayed depend on the model.

NOTE

- Depending on the connected model, it may not be configurable.
- It is displayed when [Ventilation → ON/OFF] is [ON] and setting change is possible.

* Details for unbalance settings vary depending on the settings of the connected model.

Check the output status of the air conditioner(s)

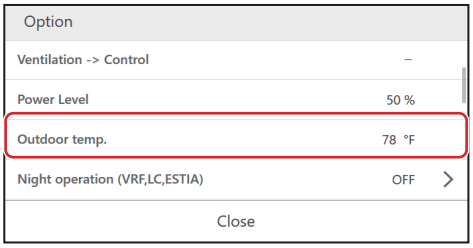


You can check how much power the air conditioner is using for operation.

NOTE

Depending on the connected model, it may not be displayed.

Check the outdoor temperature detected by the outdoor unit

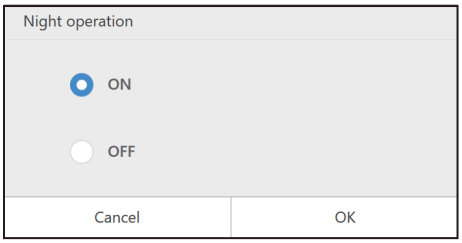


You can check the outdoor temperature detected by the outdoor unit.

NOTE

- Depending on the connected model, it may not be displayed.
- Depending on conditions such as the location of the outdoor unit installation, it may differ from the actual outdoor temperature.

Make the night operation setting for the outdoor unit

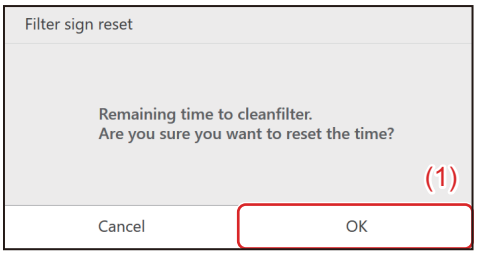


Monitor and control the ON or OFF state of the night operation of the target device.
This is displayed to the right of the name when Night operation is in progress.

NOTE

- Depending on the connected model, it may not be displayed.
- When Night Operation is set, turn on the Silent Mode setting of the Hydro Unit to operate the Air to Water Heat Pump.

Filter sign Reset



When a device has operated for a certain period of time, a warning (Filter sign) is displayed to indicate that the filter should be cleaned.
After filter cleaning, tap [(1)].

NOTE

- Depending on the connected model, it may not be displayed.
- If you set the air conditioners where a sign is displayed to [OK], the cumulative time for the sign display is set to 0.

Set Soft Cooling



Soft Cooling can be turned ON/OFF. When turned ON, the air direction is set to up, and the maximum power is restricted.

NOTE

- Depending on the connected model, it may not be displayed.
- The settings screen is displayed when the air conditioner is in operation and the operation mode is COOL.

Control air conditioner power

An energy saving function whereby you can operate the air conditioner with suppressed cooling/heating power.
Release (100%): Save Mode is not performed.
Max.(50 - 100%): Operate with the highest save rate.
50: Operate at 50% save rate.
0: Operate at 0% cooling/heating power (Thermo OFF).

NOTE

Depending on the connected model, it may not be displayed.

Set saving operation

With one of the energy-saving functions, monitor and control the Valid or Invalid state of the saving operation of the air conditioner.

NOTE

Depending on the connected model, it may not be displayed.

Release thermo OFF

"Thermo OFF" refers to an energy saving function that controls demand to restrict the cooling/heating power of the air conditioner such that the outdoor unit compressor is stopped. When this state is reached, the air conditioner becomes a fan and cold/hot air is no longer output.
To release Thermo OFF, display the settings screen and press [OK].

NOTE

Depending on the connected model, it may not be displayed.

Configure and confirm the Return Back settings

You can configure and check the Return Back setting temperature and setting time of each operation mode that are set in the operating schedule.

NOTE

- Depending on the connected model, it may not be displayed.
- For information on Return Back, see “Return Back settings” (P.67).

Monitor power peak cut of outdoor unit

You can monitor the power peak cut, outdoor line No., and schedule No. of the outdoor unit connected to the selected air conditioner.
Display the settings screen to check the power peak cut status of the outdoor unit.

NOTE

Depending on the connected model, it may not be displayed.

Change to energy saving temperature

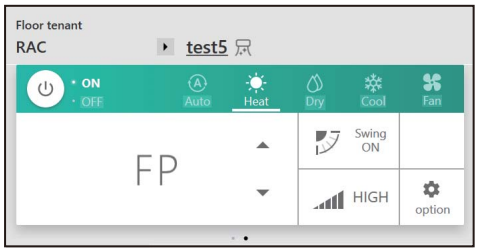
An energy saving function that changes (shifts) the set temperature according to the current operation mode as follows.

Operation Mode	Set Temperature Shift Width
Cool/Dry	Current set temperature +2°C shift (About +4°F)
Heat	Current set temperature -2°C shift (About -4°F)
Auto/Fan	Remain at current set temperature

NOTE

Depending on the connected model, it may not be displayed.

Frost protection



This function monitors and controls frost protection.
Frost protection can only be set when heating is on.
FP is displayed in the place that the set temperature is displayed while frost protection is operating.

Frost protection is disabled by the following operations, unless disabled from the frost protection settings.

- Indoor unit is turned off.
- Operation mode is changed to something other than heating.
- Set temperature is changed.

NOTE

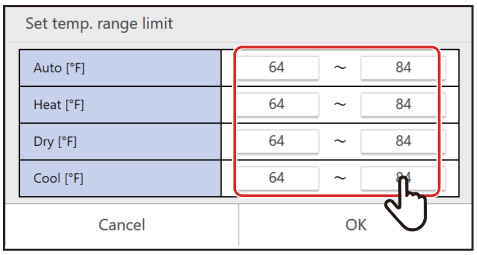
May not be displayed, depending on the model connected.

Set the temperature change range

You can set the set temperature range for each operation mode.

NOTE

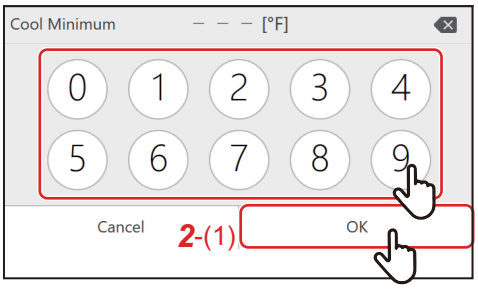
- Depending on the connected model, it may not be displayed.
- If the current set temperature of the air conditioner is outside of the set temperature range after the change, it will be changed to the temperature within the range after the change.
- If you use wireless remote controller, wireless remote controller may set a temperature outside the set temperature range specified by the Unit.



1 Tap the upper/lower limit temperature you want to change

NOTE

Depending on the connected model, it may not be configurable.



2 Tap the number, enter the temperature, and tap [*2*-(1)]

HiPower

This function monitors and controls HiPower operation of targeted equipment.
While being controlled, is displayed to the right of the unit name.

NOTE

May not be displayed, depending on the model connected.

ECO

This function monitors and controls ECO operation of targeted equipment.
While being controlled, is displayed to the right of the unit name.

NOTE

May not be displayed, depending on the model connected.

Power Select

This function monitors and controls Power select operation of targeted equipment.
While being controlled, P-SEL is displayed to the right of the unit name.

NOTE

May not be displayed, depending on the model connected.

PURE

This function monitors and controls PURE operation of targeted equipment.
While being controlled, is displayed to the right of the unit name.

NOTE

May not be displayed, depending on the model connected.

Fireplace

This function monitors and controls Fireplace operation of targeted equipment.
While being controlled, / is displayed to the right of the unit name.

NOTE

May not be displayed, depending on the model connected.

Notice Code

Displays Notice Codes that occur during operations.

NOTE

May not be displayed, depending on the model connected.

Check Code (During backup operation)

Displays Check Codes that occur during backup operations.

NOTE

May not be displayed, depending on the model connected.

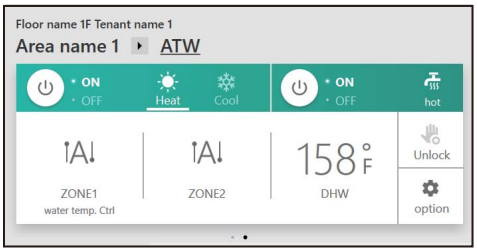
Unit information

Displays the model name and production number.

NOTE

May not be displayed, depending on the model connected.

Auto mode



This function monitors and controls Auto mode.
By setting Auto mode to [Enable], |A| is displayed where the temperature setting is displayed, and the temperature setting cannot be changed.

NOTE

May not be displayed, depending on the model connected.

Night set back

This function monitors and controls Night set back.
While being controlled, is displayed to the right of the unit name.

NOTE

May not be displayed, depending on the model connected.

Hot water boost

This function monitors and controls Hot water boost.
While being controlled, is displayed to the right of the unit name.
The actual operation depends on the time at the local remote control.
For details, refer to the owner's manual for the local remote control.

NOTE

May not be displayed, depending on the model connected.

Anti bacteria

Monitors and controls Anti bacteria operation.
While being controlled, is displayed to the right of the unit name.
The actual operation depends on the time at the local remote control.
For details, refer to the owner’s manual for the local remote control.

NOTE

May not be displayed, depending on the model connected.

ESTIA information

Shows the following operating statuses.

- Boiler operation
- Comp operation
- DHW heater
- Heater
- Pump 1 operation
- Pump 2 operation

NOTE

May not be displayed, depending on the model connected.

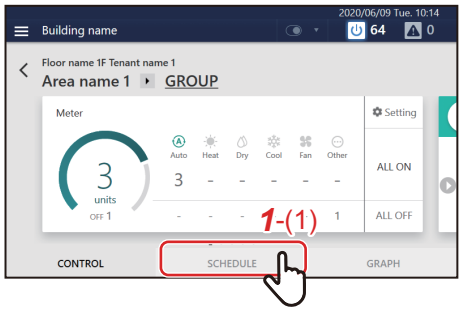
Change the Operating Schedule

The operating schedule settings can be changed from the [Menu] button, the group screen, or the individual control screen.
There are two types of operating schedules: Weekly schedule and Special day schedule.
The following procedure is explained using the individual control screen.

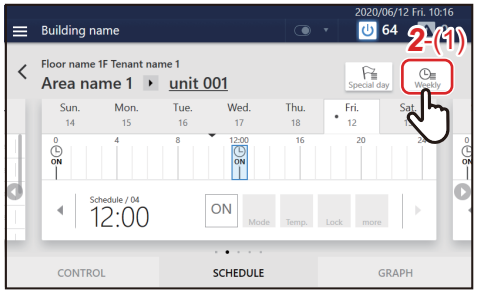
NOTE

If a day is set in both the Weekly schedule and the Special day schedule, the Special day schedule applies and the Weekly schedule is disabled for that day.

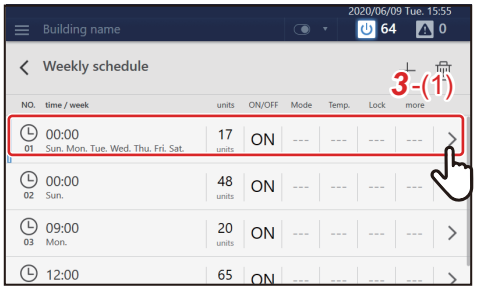
Change the details of the weekly schedule



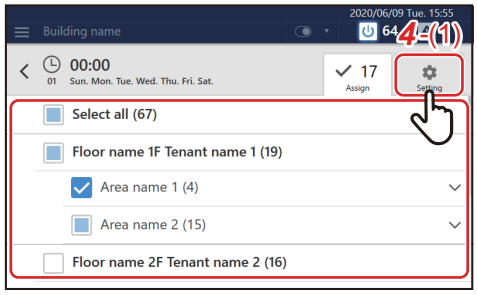
1 **Tap [*1*-(1)] on the group screen or the individual control screen**



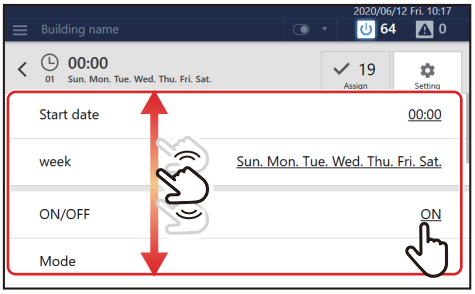
2 **Tap [*2*-(1)]**



3 **Tap [*3*-(1)] of the schedule you want to modify**



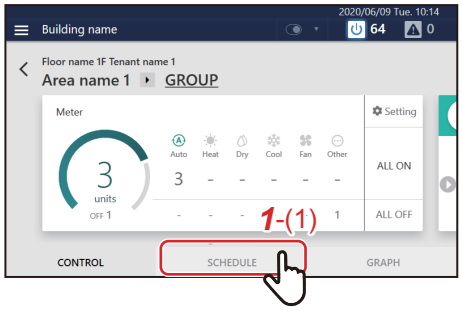
4 **Modify the target air conditioner(s) or ON/OFF unit, then tap [*4*-(1)]**



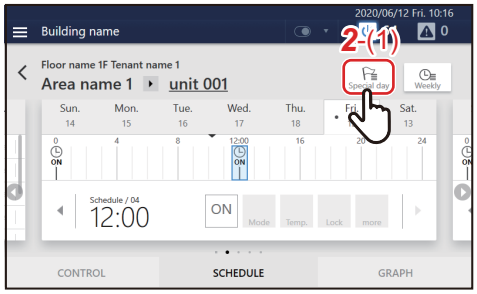
5 Scroll the screen and tap the value of the item you want to set. After changing the setting, tap [OK]

See "Setting items list" (P.67) for the items that can be configured.

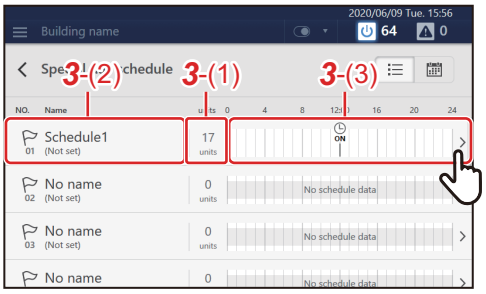
Change the details of the special day schedule



1 **Tap [*1*-(1)] on the group screen or the individual control screen**

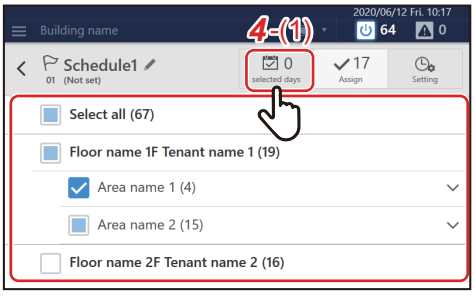


2 **Tap [*2*-(1)]**

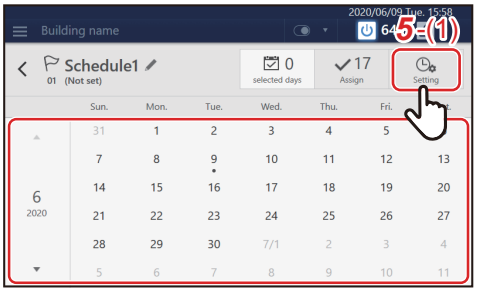


3 **Tap [*3*-(1)] of the schedule you want to modify**

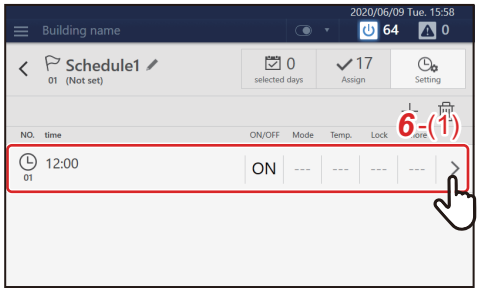
- [*3*-(1)] Unit setting: Go to step ***4***
- [*3*-(2)] Special day setting: Go to step ***5***
- [*3*-(3)] Operating schedule setting: Go to step ***6***



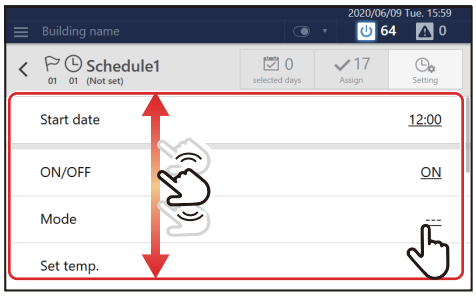
4 **Modify the target air conditioner(s) or ON/OFF unit, then tap [*4*-(1)]**



5 **Tap the date you want to configure, modify the settings, and then tap [*5*-(1)]**



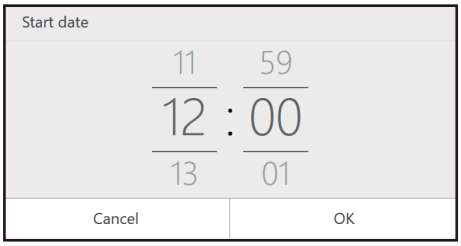
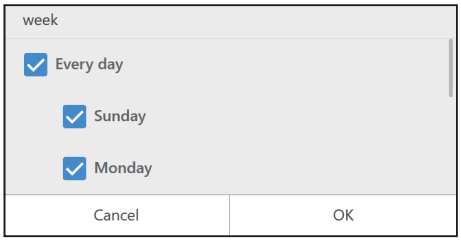
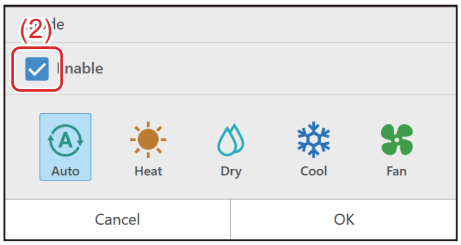
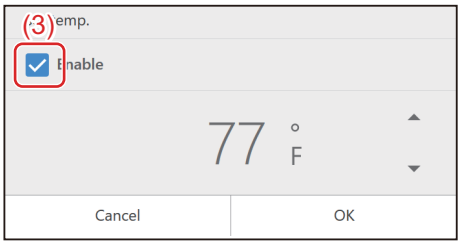
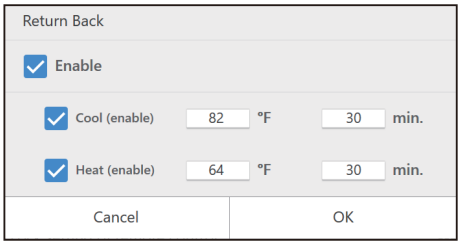
6 Tap [*6*-(1)] of the time you want to modify

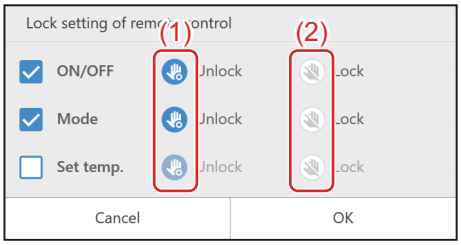
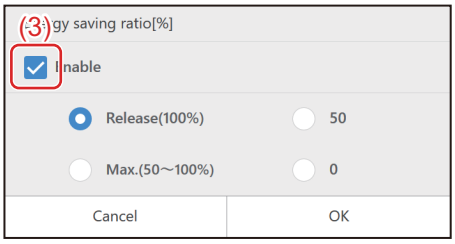
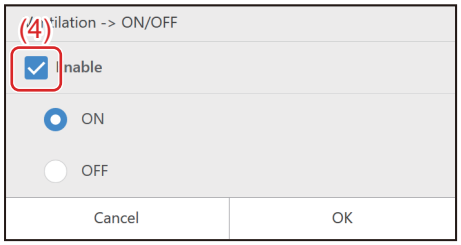
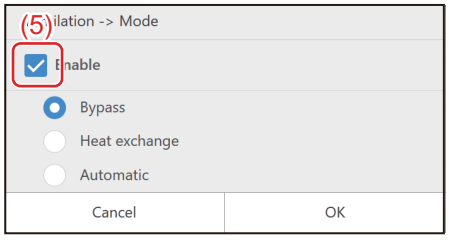


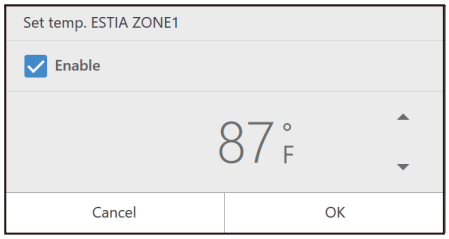
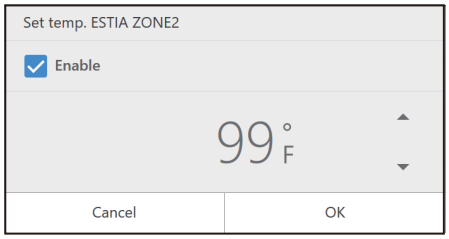
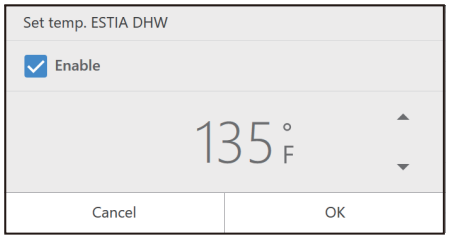
7 Scroll the screen and tap the value of the item you want to set. After changing the setting, tap [OK]

See "Setting items list" (P.67) for the items that can be configured.

Setting items list

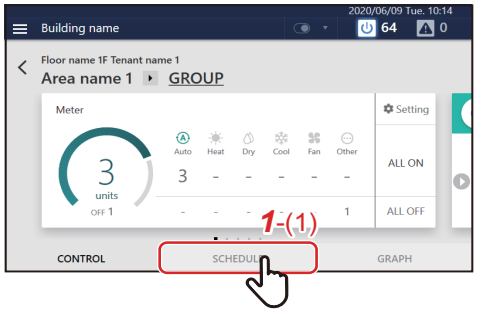
Setting Items	Setting Procedure
Time setting [Start date] 	Tap or flick to change the time.
Day of the week setting [week] 	Set the check box(es) of the day(s) of the week on which you want to execute the schedule to ☑. **NOTE** The day of the [week] setting is not displayed in Special day schedule.
Operation setting [ON/OFF] 	To enable the setting, set the check box of [(1)] to ☑ and select a value. **NOTE** Hot water supply function of the ATW cannot be set to [ON, OFF] by this setting.
Operation mode setting [Mode] 	To enable the setting, set the check box of [(2)] to ☑ and select a value.
Set temperature setting [Set temp.] 	To enable the setting, set the check box of [(3)] to ☑, tap ▲ ▼, then change the set temperature.
Return Back settings [Return Back] 	An energy saving function whereby if you temporarily change the set temperature to one which increases the load, you can automatically return to the energy saving set temperature after a certain time has elapsed. For example, if you set COOL to 82°F (28°C)/30 minutes, then if the set temperature is set to below 82°F (28°C), the Unit will return to 82°F (28°C) 30 minutes after the change. **NOTE** Displayed in the case of a compatible air conditioner.

Setting Items	Setting Procedure
Local operation prohibition setting [Lock setting of remote control] 	Tap the check box of the function whose setting you want to change to set it to ☑, then select [(1)] or [(2)].
Night operation setting [Night operation] 	You can change the [ON/OFF] of the night operation of the target device.
Save operation setting [Energy saving ratio[%]] 	To enable the setting, set the check box of [(3)] to ☑. For details, see "Control air conditioner power" (P.57).
Ventilation operation setting [Ventilation -> ON/OFF] 	You can turn ON/OFF the operation of the ventilator connected to the air to air heat exchanger(s) or air conditioner(s). To enable the setting, set the check box of [(4)] to ☑ and apply the setting.
Vent. Mode [Ventilation -> Mode] 	You can set the ventilation mode of the ventilator connected to the air to air heat exchanger(s) or the air conditioner(s). To enable the setting, set the check box of [(5)] to ☑ and apply the setting. For details, see "Set ventilation mode" (P.55).

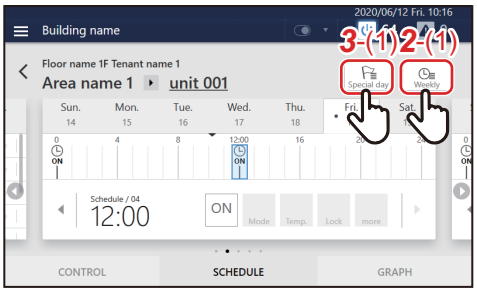
Setting Items	Setting Procedure
DHW ON/OFF **[DHW ON/OFF]** 	This setting item is specifically for the Air to Water Heat Pump (ATW) in the hot water supply function. To enable this setting, select ☑ for the [Enable] check box, and then select [ON, OFF]. **NOTE** Indoor units, ON/OFF units, and the air conditioning function of the ATW cannot be set to [ON, OFF] by this setting.
ZONE1 Set temp. **[Set temp. ESTIA ZONE1]** 	This setting item is specifically for the Air to Water Heat Pump (ATW) in the air conditioning function. To enable this setting, select ☑ for the [Enable] check box, and then tap ▲▼ to change the set temperature.
ZONE2 Set temp. **[Set temp. ESTIA ZONE2]** 	This setting item is specifically for the Air to Water Heat Pump (ATW) in the air conditioning function. To enable this setting, select ☑ for the [Enable] check box, and then tap ▲▼ to change the set temperature.
Hot water setting temperature **[Set temp. ESTIA DHW]** 	This setting item is specifically for the Air to Water Heat Pump (ATW) in the hot water supply function. To enable this setting, select ☑ for the [Enable] check box, and then tap ▲▼ to change the set temperature.

Delete the operation schedule

You can delete the schedule from either the group screen or the individual control screen. In the following procedure, the individual control screen is used.



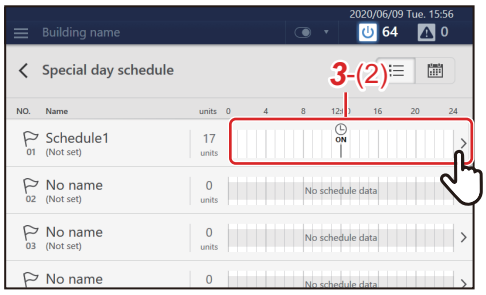
1 **Tap [*1*-(1)] on the group screen or individual control screen**

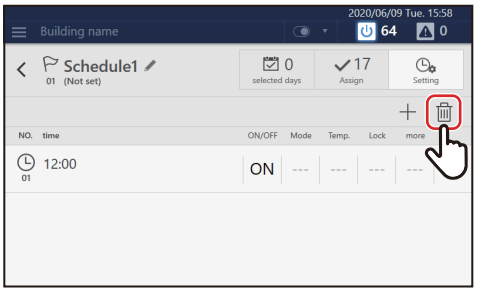


2 **Tap [*2*-(1)] to go to step *4***

3 **(In case of Special day setting) tap [*3*-(1)]**

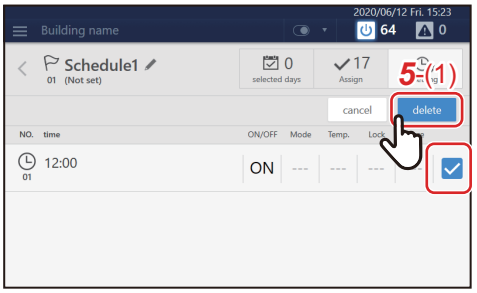
Tap [*3*-(2)] of the schedule you want to modify to go to step *4*.





4 **Tap** 

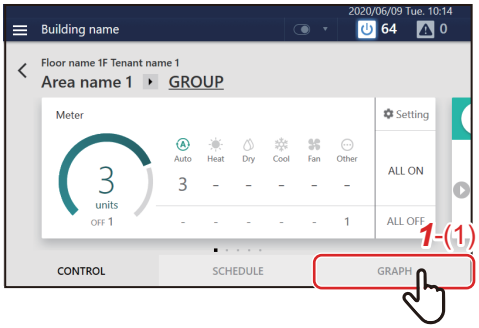
(Some displayed items differ between the Weekly schedule screen and the Special day schedule screen, but the procedure shown below is the same.)



5 **Set the check box of the schedule you want to delete to**  **then tap [*5*-(1)]**

Confirm the Operation Time

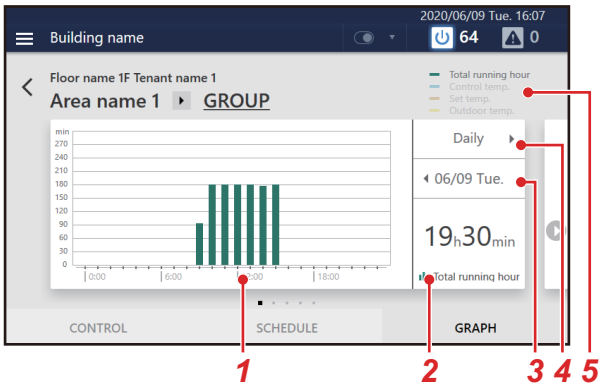
In the [GRAPH] tab of the group screen or individual control screen, you can check the operation time for each group, air conditioner or ON/OFF unit.



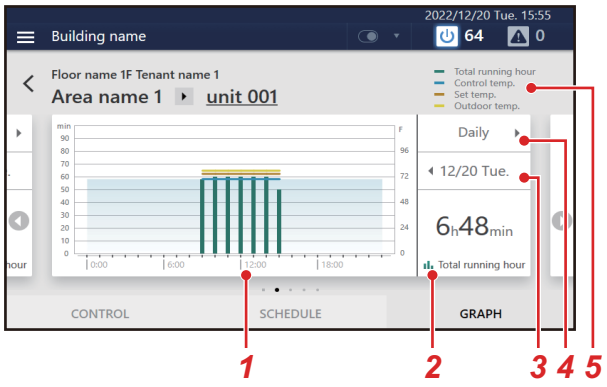
1 **Tap [*1*-(1)] on the group screen or individual control screen**

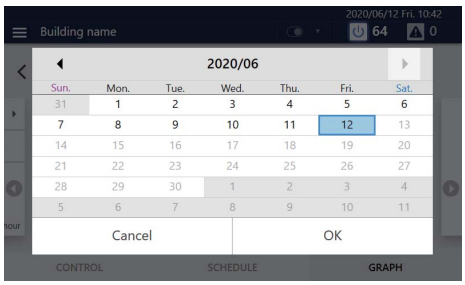
The operation graph appears.

Group screen



Individual control screen



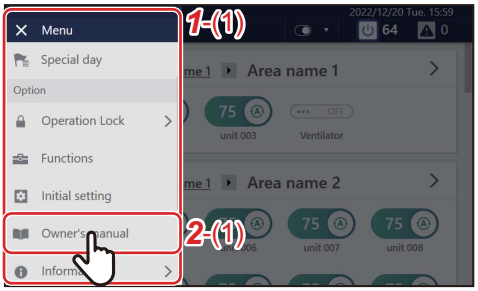
No.	Functions
1	The hourly or daily operation hours are shown as a bar graph. * For the individual control screen, the outdoor temperature, room temperature, and set temperature are displayed as a line graph. The set temperature line graph is not displayed for the Air to Water Heat Pump (ATW).
2	The operation hours for the displayed summary period is displayed. *
3	Displays the currently displayed date. Tap ◀ ▶ to switch the date. Tap the centre to select the display period from the calendar screen. 
4	You can change the summary unit to day or month.
5	The legend for the graph appears.

* The time that the Air to Water Heat Pump (ATW) is operating only as a hot water supply function is not included in the operating time graph.

Display the Owner's Manual on the Screen

You can browse the owner's manual on the screen.

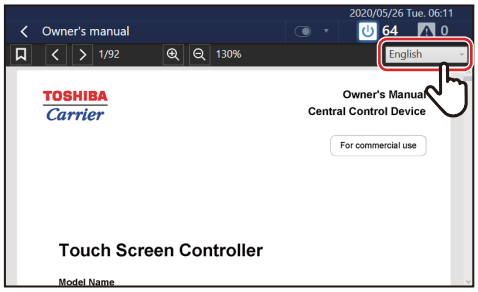
How to display the owner's manual



1 **Tap** ☰

[*1*-(1)] appears.

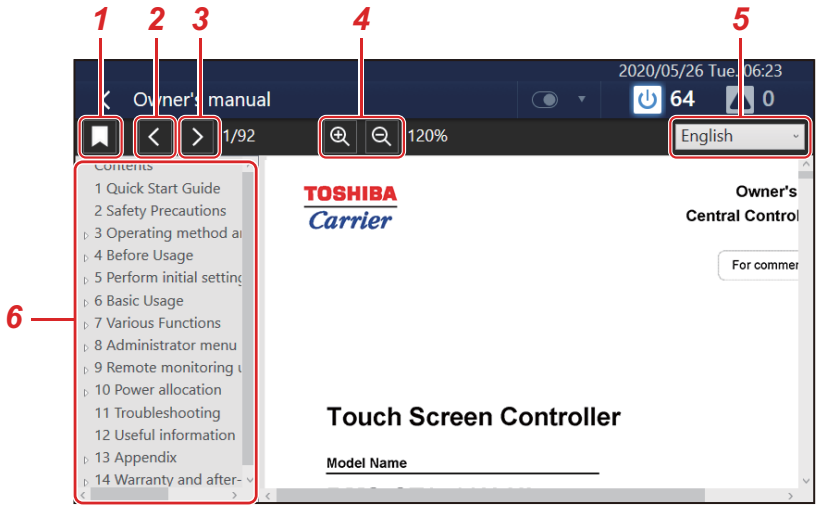
2 **Tap [*2*-(1)]**



3 **Select the display language**

The owner's manual is displayed.

Owner's manual screen description



No.	Name (Icon)	Functions
1	Bookmark	You can switch bookmarks between display and non-display.
2	Previous page	Displays the previous page.
3	Next page	Displays the next page.
4	Enlarge, reduce	Used to enlarge and reduce the display.
5	Language selection	Select the display language.
6	Bookmark list	Displays the title of each chapter. Tap a title to display the relevant page.

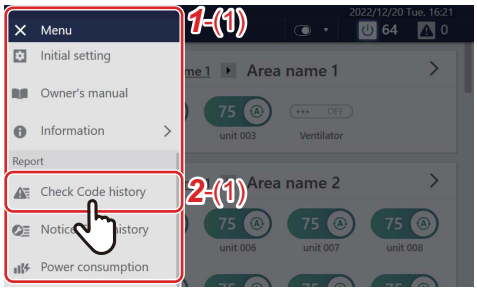
8 Administrator Menu

Confirm Check Code History

You can display failures that have occurred in a list, including currently occurring ones. This can be used for grasping the status of the site such as investigating the cause of a failure and the recovery status.

NOTE

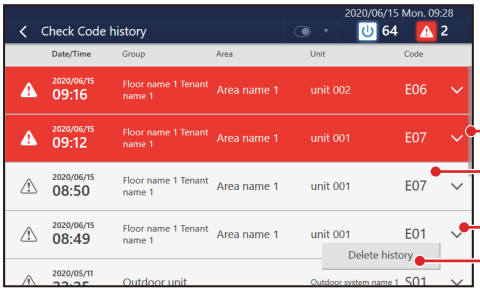
The past 1,000 check codes are displayed.



1 **Tap** ☰

[*1*-(1)] appears.

2 **Tap [*2*-(1)]**



The detected check codes are listed in chronological order.

- Currently occurring check codes are displayed with a red.
- Past check codes are displayed with a white background.
- Tap ⌄ to display the details of the check code contents.
- You can delete the check code history.

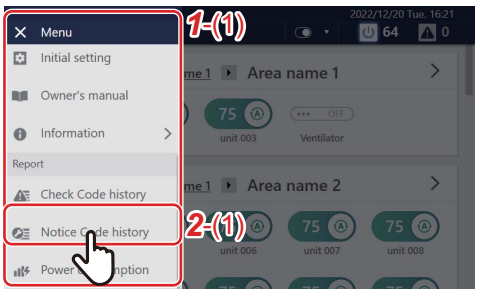
Confirm Notice Code History

You can display notices that have occurred in a list, including currently occurring ones. For details, confirm with the dealer.

Confirm the Power Consumption on a Graph

Pulse values are graphed and the electric power can be visually confirmed.

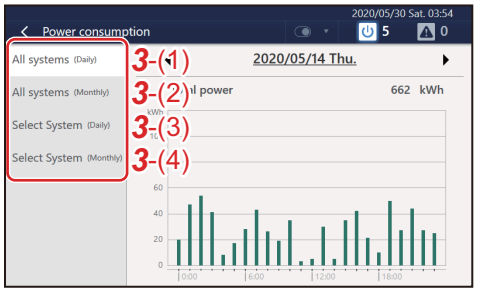
* This function can be displayed when the electric power is measured by connecting this Unit to a pulse transmission type watt hour meter.



1 **Tap** ☰

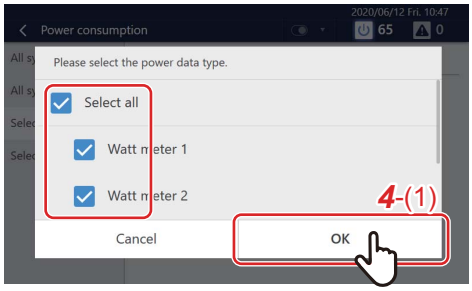
[*1*-(1)] appears.

2 **Tap [*2*-(1)]**

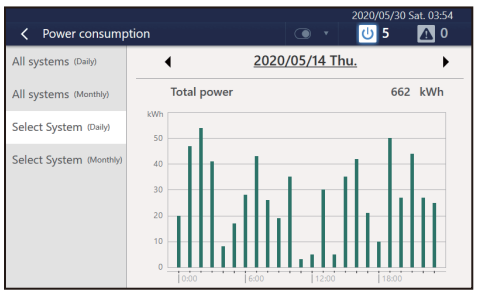


3 **Tap the data type to be displayed**

3-(1)	All systems (Daily):	You can display the total electric power on a daily basis on a graph.
3-(2)	All systems (Monthly):	You can display the total electric power on a monthly basis on a graph.
3-(3)	Select System (Daily):	You can select the watt hour meter to sum and display the daily electric power on a graph.
3-(4)	Select System (Monthly):	You can select the watt hour meter to sum and display the monthly electric power on a graph.



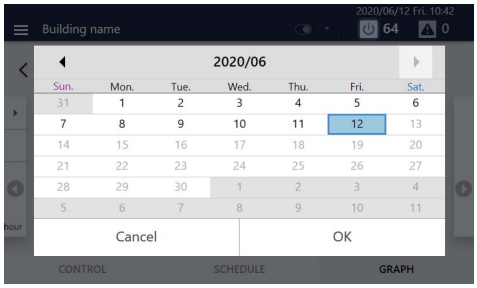
4 **To select [*3*-(3)] or [*3*-(4)], set the check box of the watt hour meter to sum to ☑ and tap [*4*-(1)]**



An electric power graph is displayed.

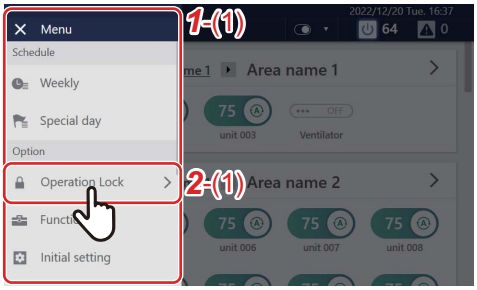
NOTE

Tap ◀ ▶ to change the summary period to display. You can also tap the displayed date to display the calendar and change the summary period.



Restrict Operation of the Touch Screen Controller

You can restrict the operation range of the Unit by locking it.
This section explains how to set and release the lock.
For the restriction range, see "Set the operation lock level" (P.86).

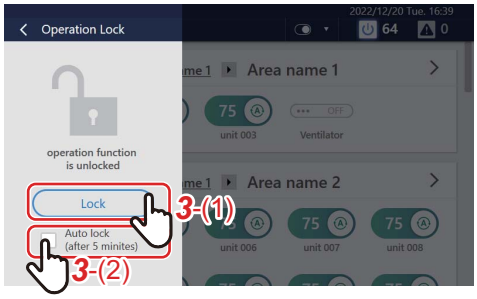


1 **Tap** ☰

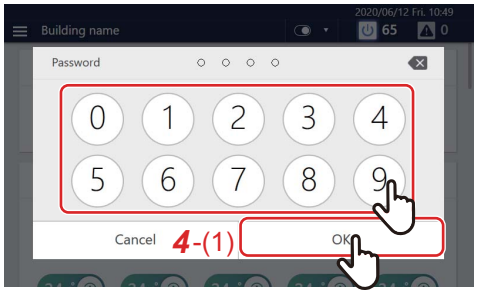
[*1*-(1)] appears.

2 **Tap [*2*-(1)]**

Below, the screen for release is explained.



3 **Tap [*3*-(1)]**
To change the auto lock settings, tap [*3*-(2)]



4 **Tap the number, enter the 4-digit password, then tap [*4*-(1)]**

The lock is set or released.

NOTE

- The initial set password is "1048".
- There are two levels of protection when locking. (P.86)
- Tap ⌫ to delete one character.

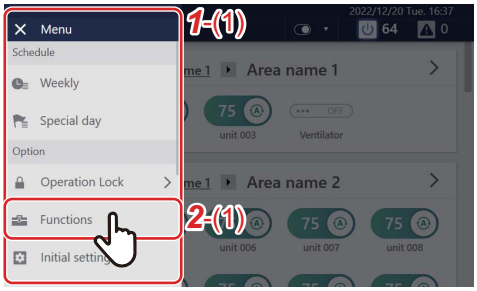
NOTE

- You can change the password. (P.86) If you do not know the password, please contact your administrator.
- If you enter the wrong password three times when unlocking, password input is restricted for 30 minutes.
- When automatic lock is set, the Unit will be locked automatically after 5 minutes have passed after an operation has completed.
- When the lock is set, if you tap a function that cannot be operated, the message "operation function is locked" is displayed. Also, 🔒 appears in the menu.

[Functions] Menu Settings

On the [Functions] menu, demand control of outdoor units and summation of data for power distribution can be performed.

How to display the [Functions] menu

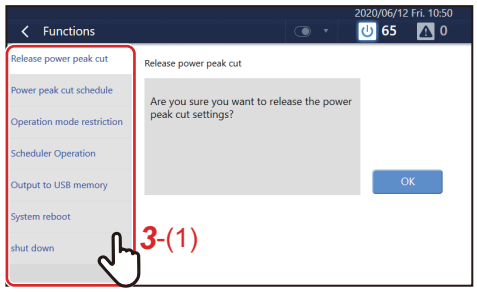


1 **Tap** ☰

[*1*-(1)] appears.

2 **Tap [*2*-(1)]**

[*3*-(1)] appears.



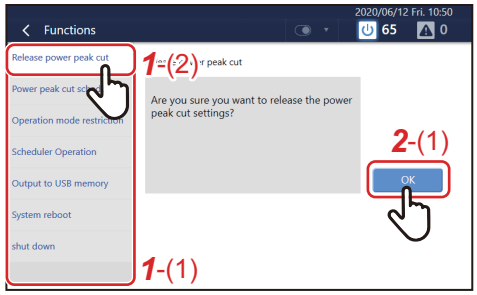
3 **Tap the item you want to set with [*3*-(1)]**

The settings screen of the selected item appears on the right.

For details on the setting contents of each item, refer to the following.

- Release power peak cut (P.76)
- Power peak cut schedule (P.77)
- Operation mode restriction (P.79)
- Scheduler Operation (P.79)
- Output to USB memory (P.80)
- System reboot (P.80)
- Shut down (P.80)

Release demand control of outdoor unit



1 **Tap [*1*-(2)] with [*1*-(1)]**

2 **Tap [*2*-(1)]**

Outdoor demand set for all outdoor units is released.

NOTE

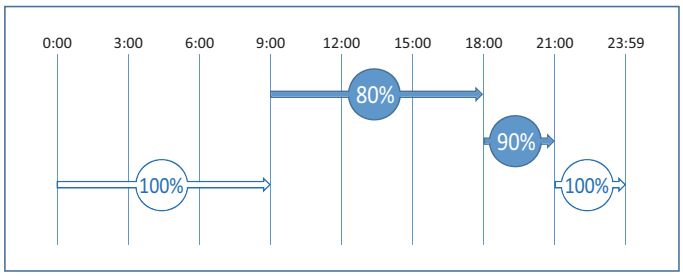
- Outdoor demand can be set by the "Power peak cut schedule". (P.77) Outdoor demand may function with digital input set locally. In this case it can also be released.
- When you release the Power peak cut, the setting value of [Power peak cut] on the option screen changes to the release state. (P.57)

Set demand control schedule of outdoor unit

The demand function of the outdoor unit can be managed with the schedule to 100% to 0% according to the peak time zone.

Setting example:

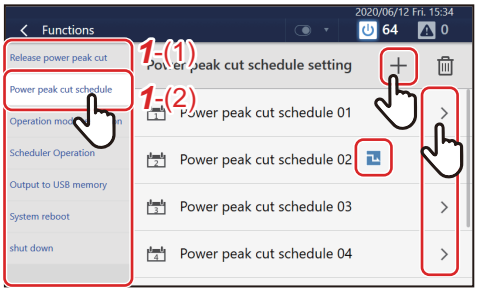
If you set "80%" for 9:00 to 18:00,
"90%" for 18:00 to 21:00, and
"100% (No power peak cut)"
for 21:00 to 9:00 on next day



NOTE

- Cannot be set when the Outdoor Demand Schedule is disabled. Please enable the Outdoor Demand Schedule. (P.79)
- Demand levels that can be set are "100% (No power peak cut)", "90%", "80%", "70%", "60%" and "0%".
- Up to 10 schedules can be created.

Add/change power peak cut schedule

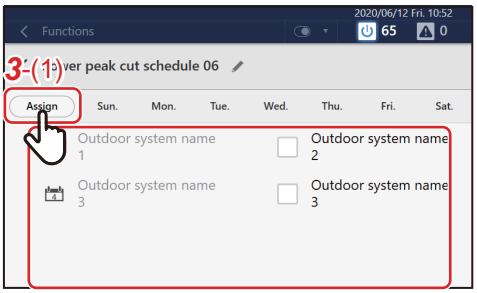


1 **Tap [*1*-(2)] with [*1*-(1)] (P.76)**

2 **Tap ＋ to register new**
To change, tap > of the schedule you want to change

NOTE

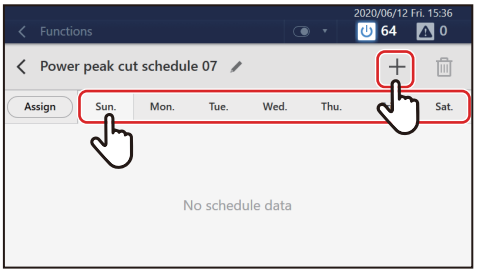
When the demand function is functioning at the current time, appears.



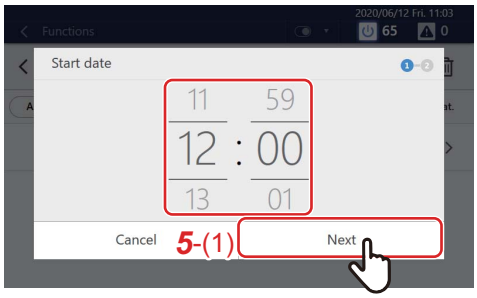
3 **Tap [*3*-(1)] and set the check box of the outdoor unit for setting the Power peak cut schedule to**

NOTE

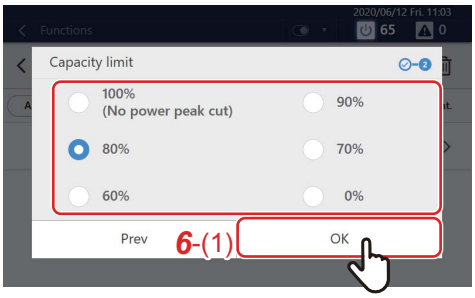
The schedule number ( ) will be displayed on outdoor units that have already been scheduled. Cannot be selected.



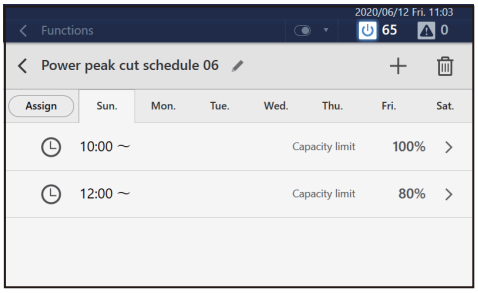
4 **Tap the day of the week tab to start the schedule, then tap ＋**
To change an already registered schedule, tap > on the corresponding schedule



5 Tap or flick to set the start time and tap [*5*-(1)]



6 Select the outdoor demand level and tap [*6*-(1)] to add a demand schedule



7 To add a schedule such as change/release of demand level, repeat steps *4* to *6*

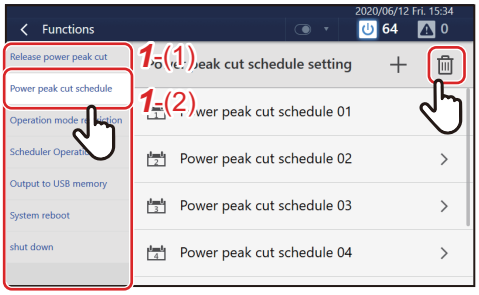
NOTE

- The outdoor demand initiated by the schedule is released in the following cases.
  - When 100% (No power peak cut) is set in the schedule
  - When demand control of the outdoor unit has been released (P.76)

- Demand control continues even across days.
  Example: When the demand rate is set to 0% on Monday at 21:00 and release is set at 9:00 on Tuesday
  → The demand rate is set to 0% from Monday at 21:00 to Tuesday at 9:00 and demand release occurs at 9:00 on Tuesday

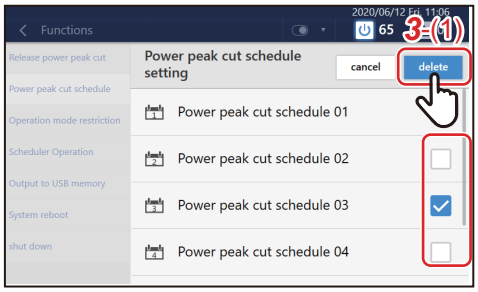


Delete an power peak cut schedule



1 **Tap [*1*-(2)] with [*1*-(1)] (P.76)**

2 **Tap** 🗑

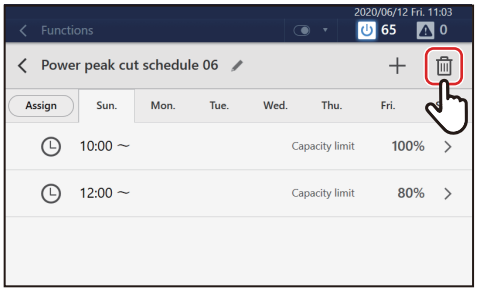


3 **Set the check box of the schedule you want to delete to ☑, then tap [*3*-(1)]**

The selected schedule will be deleted.

NOTE

Also, when deleting a registered time, tap 🗑 and operate similarly.



Restrict operation mode

When using an outdoor unit that cannot operate cooling and heating at the same time, you can restrict its operation mode so that it can only be set for either cooling or heating.

1 **Tap [Operation mode restriction] in the [Functions] menu (P.76)**

2 **Select the operation mode and tap [OK]**

NOTE

- Settings are reflected in all outdoor units.
- Even with restriction, the operation mode of the [CONTROL] tab can be selected. When a restricted operation mode is selected, the Thermo OFF state is set.

Set the operating schedule or the power peak cut schedule

You can disable registered Operation Schedules and Power peak cut schedules so that they do not operate.

1 **Tap [Scheduler Operation] in the [Functions] menu (P.76)**

2 **Set the check box to ☑ if you do not want to operate each schedule, or set the check box to ☐ to operate them, then tap [OK]**

Output data to a USB memory stick

You can output data for Energy Report Software 2 to a USB memory stick.

1 **Connect the USB memory stick to the slot in the Unit**

2 **Tap [Output to USB memory] in the [Functions] menu (P.76)**

3 **Tap [OK]**

NOTE

If the USB memory stick is not connected, [OK] will not be enabled.

Restart the unit

You can restart the Unit.
The schedule is not executed during restart.

1 **Tap [System reboot] in the [Functions] menu (P.76)**

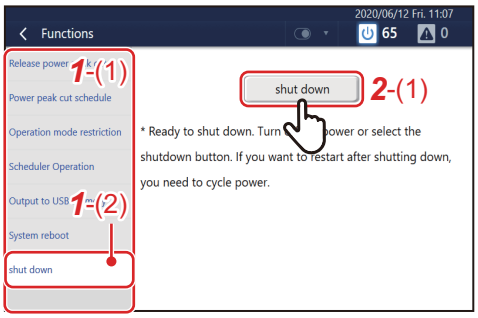
2 **Tap [OK]**

Exit the system

Terminate the operation of the Unit.

NOTE

This function turns off the power to the System Controller.
It does not stop the air conditioners connected to the Unit.



1 **In [*1*-(1)], tap [*1*-(2)]**

2 **Tap [*2*-(1)]**

[Initial setting] Menu Settings

On the [Initial setting] menu, you can change the Unit screen display and the settings for remote operation, etc.

How to display the [Initial setting] menu

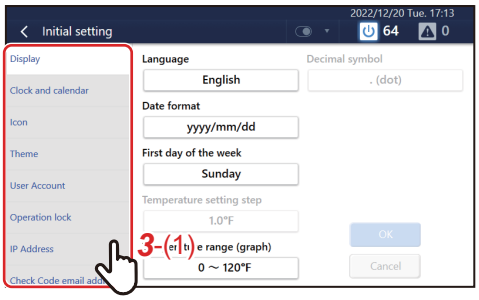


1 **Tap** ☰

[***1***-(1)] appears.

2 **Scroll through the menu list and tap [*2*-(1)]**

[***3***-(1)] appears.



3 **Tap the item you want to set with [*3*-(1)]**

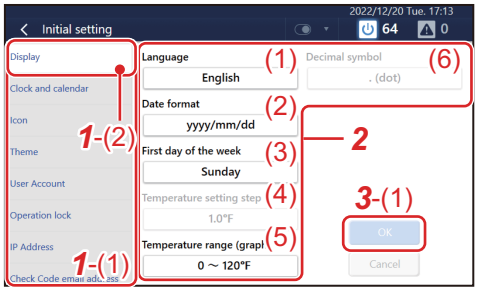
The settings screen of the selected item appears on the right.

For details on the setting contents of each item, refer to the following.

- Display (P.82)
- Clock and calendar (P.82)
- Icon (P.83)
- Theme (P.83)
- User Account (P.84)
- Operation lock (P.86)
- IP Address (P.87)
- Check code email address (P.88)
- Indoor unit area setting (P.89)
- Indoor unit name setting (P.91)
- Area name setting (P.91)
- Backlight (P.92)
- Power peak cut (P.92)

Set the screen display

You can change the display settings of the screen, such as language and date display format.



1 **Tap [*1*-(2)] with [*1*-(1)] (P.81)**

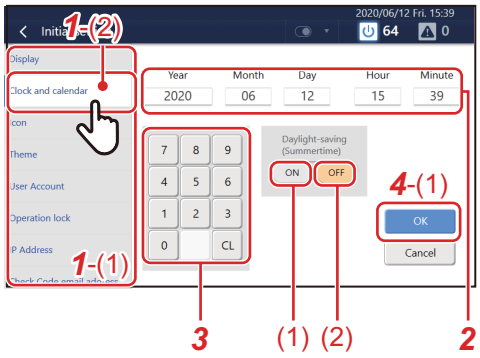
2 **Tap the item you want to change**

(1) Language:	You can change the display language of the screen.
(2) Date format:	You can change the format of the date displayed in the upper right of the screen.
(3) First day of the week:	You can change the first day of the week displayed on the calendar or schedule to Sunday or Monday.
(4) Temperature setting step:	Temperature setting step cannot be changed if the display unit is Fahrenheit.
(5) Temperature range (graph):	You can change the temperature range displayed on the [GRAPH] tab.
(6) Decimal symbol:	You can change the decimal symbol displayed on the screen between [. (dot)] and [, (comma)].

3 **Select the value you want to change, then tap [*3*-(1)]**

Set the current date and time

You can change the date and time displayed in the upper right of the screen.



1 **Tap [*1*-(2)] with [*1*-(1)] (P.81)**

2 **Tap the item you want to change**

The characters of the selected item change to red.

3 **Tap the numeric keypad to enter a number**

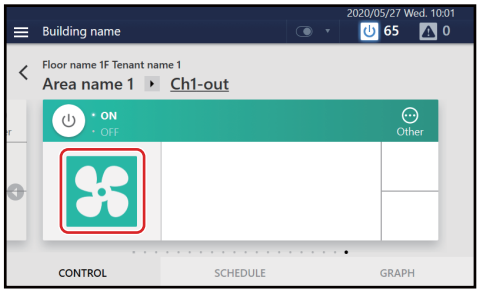
4 **Tap [*4*-(1)]**

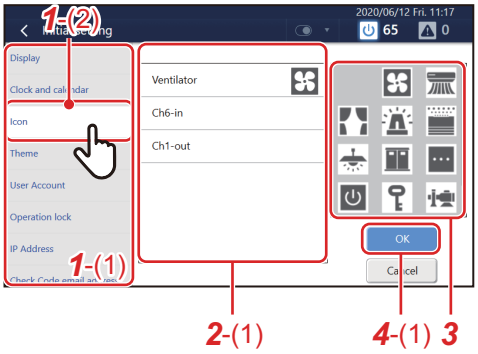
NOTE

You can set daylight saving time with [Daylight-saving (Summertime)]. When set to [(1)], the time moves one hour forward, and when set to [(2)], it moves one hour back. While daylight saving time is set, appears in the upper right corner of the screen.

Set icons of devices other than air conditioners

You can display icons of each device on the [CONTROL] tab of devices other than air conditioners such as ventilation fan or lighting.





1 **Tap [*1*-(2)] with [*1*-(1)] (P.81)**

2 **Tap the device you want to set with [*2*-(1)]**

3 **Tap the icon you want to set in the icon list**

The selected icon is displayed in [*2*-(1)].

4 **Tap [*4*-(1)]**

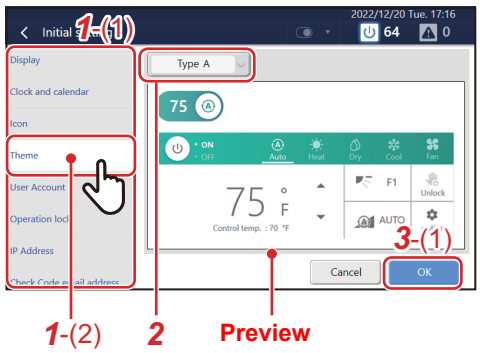
NOTE

- To delete a set icon, select the device with [*2*-(1)] and then tap the space at the top left of the icon list.
- The following icons can be set:

	Ventilation fan/Circulator		Room air conditioner		Curtain		Alarm		Humidifier/ Dehumidifier		Lighting
	Cubicle		Water storage tank		General switch		Security		Pump		Camera

Set the screen theme

You can set the theme of the home screen and the details/control screen.



1 **Tap [*1*-(2)] with [*1*-(1)] (P.81)**

2 **Tap the drop-down menu and select a theme**

The selected theme appears in the preview. Operate the switch or tap the power supply or operation mode button to check the display after the change.

3 **Tap [*3*-(1)]**

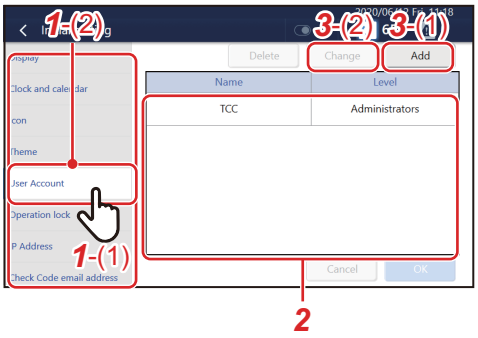
Set an account for remote operation

You can set a user account to operate the Unit remotely.
* Remote operation can be used when the Unit is connected via LAN to a PC on which the Remote Control Software is installed.

NOTE

- 128 users can be registered.
- Up to 16 users can log in at the same time.
- At least one user must be registered.

Add/change user account



1 Tap [*1*-(2)] with [*1*-(1)] (P.81)

2 To change, tap the row you want to change in the list

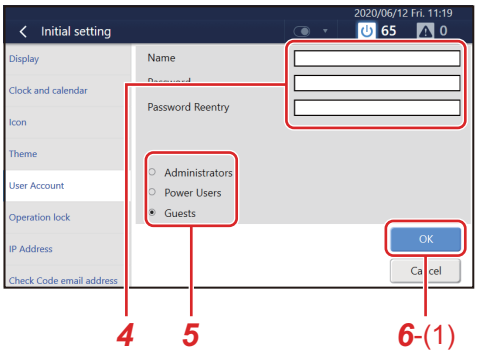
NOTE

The following users are registered in advance.
You can also change/delete users.

Name:	TCC
Password:	TCC
Level:	Administrators

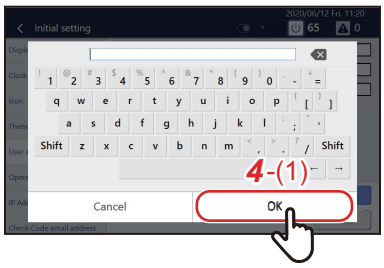
3 Tap [*3*-(1)] or [*3*-(2)]

In the following procedure, the screen in the case of addition is used to explain.



4 Set Name (only when adding) and password

Tap the entry field to display the keyboard. After entering the characters, tap [*4*-(1)].



NOTE

- Tap [Shift] to toggle between upper case letters and lower case letters, and numbers and symbols.
- Tap ⌫ to delete one character.

5 Set level

Administrators : All functions can be used.

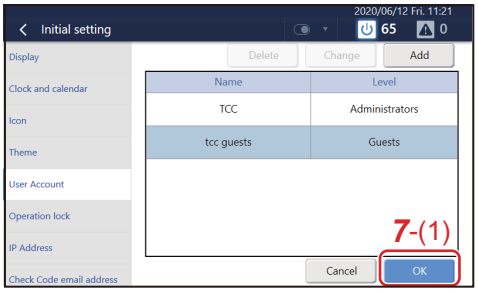
Power Users : The following functions cannot be used.
- Confirm/change the operation schedule
- [Menu] > Functions
- [Menu] > Initial setting

Guests : Only the operation status can be confirmed. The settings cannot be changed.

NOTE

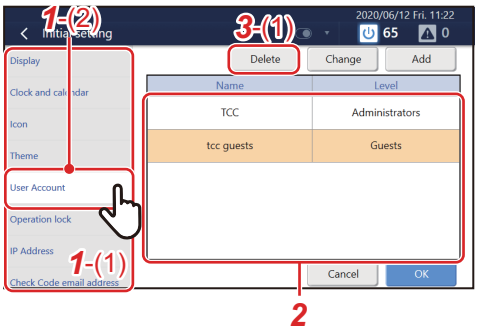
For details on the functions that can be used for each level, see "List by Lock Level/Level" (P.106).

6 Tap [*6*-(1)]



7 Tap [*7*-(1)]

Delete a user account

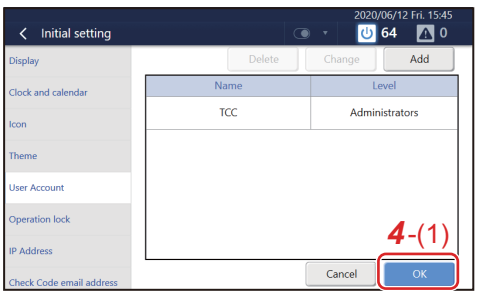


1 Tap [*1*-(2)] with [*1*-(1)] (P.81)

2 Tap the row you want to delete

3 Tap [*3*-(1)]

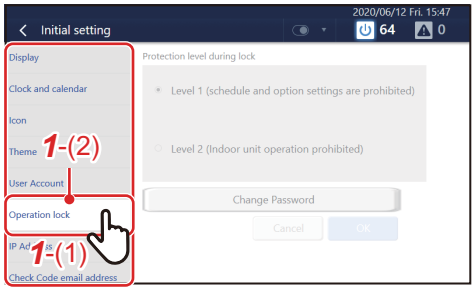
It will be deleted from the list.



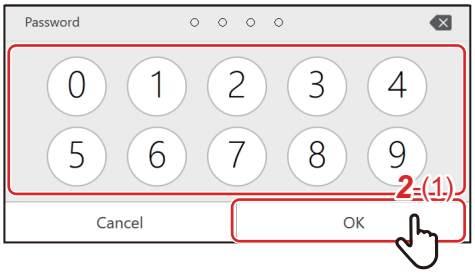
4 Tap [*4*-(1)]

Deletion is confirmed.

Set the operation lock level



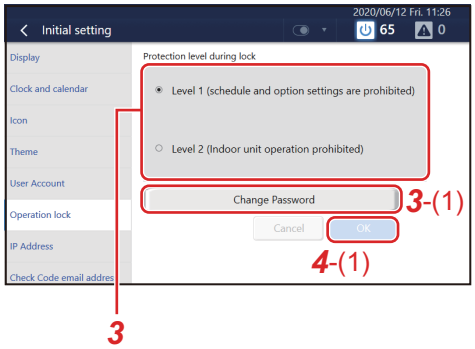
1 Tap [1-(2)] with [1-(1)] (P.81)



2 Enter the password and tap [2-(1)]

NOTE

The factory default setting password is "1048".



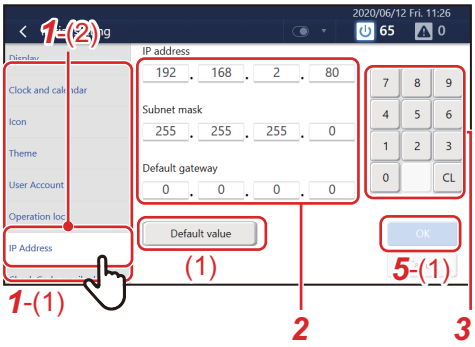
3 Select the protection level during lock

NOTE

You can change the password that sets the operation lock.
Tap [3-(1)] to display the change password input screen.
Enter the changed password, tap [OK], re-enter it on the re-entry screen, then tap [OK].
4-digit passwords can be set.

4 Tap [4-(1)]

Set the IP address of the Touch Screen Controller



1 **Tap [*1*-(2)] with [*1*-(1)] (P.81)**

2 **Tap the value you want to change**

The characters of the selected item change to red.

3 **Tap the numeric keypad to enter a number**

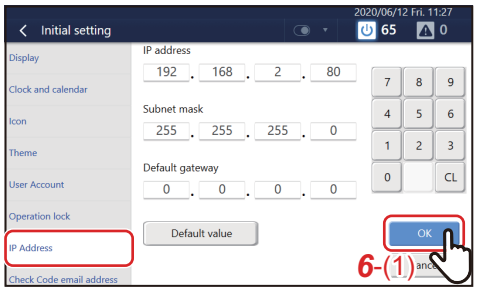
4 **If there are other values you want to change, repeat steps *2* and *3***

5 **Tap [*5*-(1)]**

The IP address is reset.

NOTE

- The initial setting is as follows:
  IP address: 192.168.2.80
  Subnet mask: 255.255.255.0
  Default gateway: 0.0.0.0
- To return a changed value to the specified value, tap [(1)]. Tap [OK] on the confirmation screen to reset the IP address.



6 **Tap [*6*-(1)]**

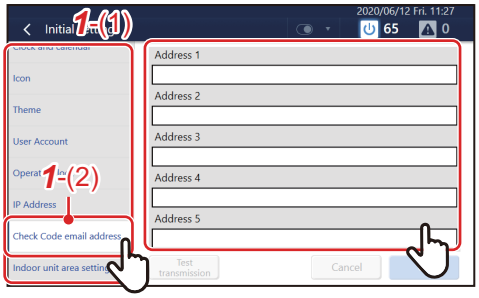
The Unit restarts.

Set check code email destination

You can set the email address to send email to when an error occurs.

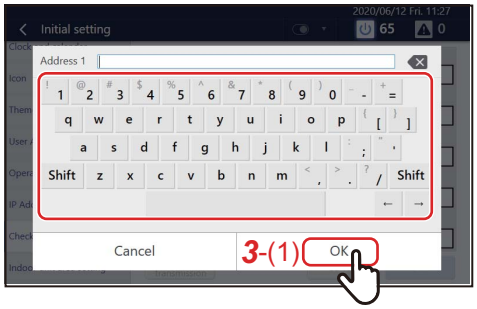
NOTE

Up to five email addresses can be set.



1 **Tap [*1*-(2)] with [*1*-(1)] (P.81)**

2 **Tap the address field to register**



3 **Enter the email address on the keyboard, then tap [*3*-(1)]**

NOTE

- Tap [Shift] to toggle between upper case letters and lower case letters, and numbers and symbols.
- Tap ⌫ to delete one character.

4 **Tap [OK]**

NOTE

To test-send to the registered email address, tap [Test transmission], which displays after you tap [OK].

Change the area set for an indoor unit

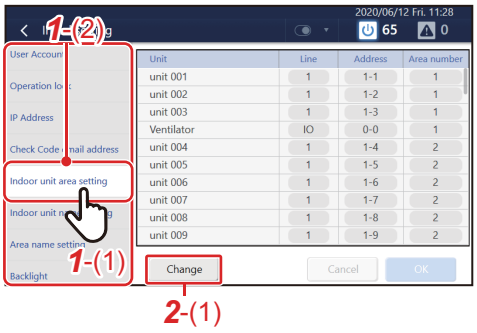
In [Indoor unit area setting], you can move the indoor unit A in area X to area Y.



NOTE

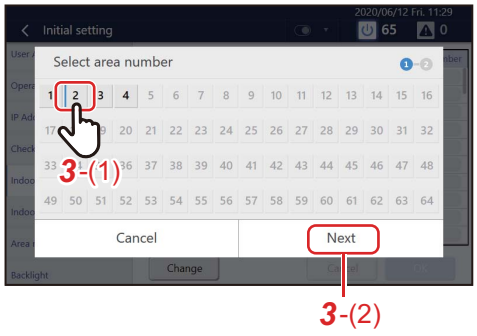
- **[*1*]** All areas. The area numbers, such as area 1 and area 2, are allocated automatically in the upper section of the home screen.
- **[*2*]** Each indoor unit in the area.

The procedure below is used as an example to explain how to move the indoor unit (unit 001) set in area 1 to area 2.

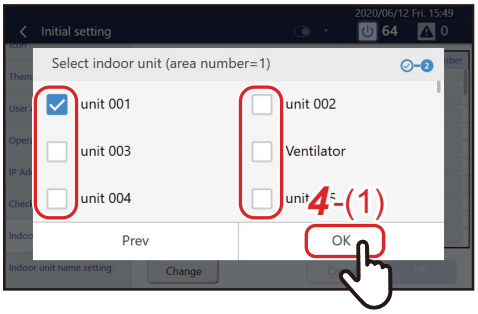


1 **Tap [*1*-(2)] in [*1*-(1)] (P.81)**

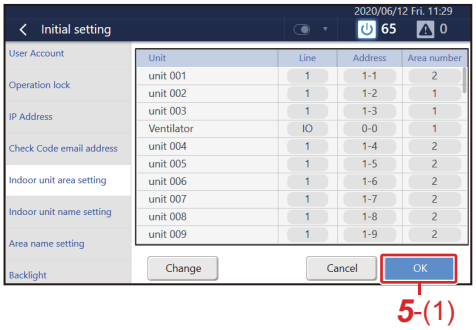
2 **Tap [*2*-(1)]**



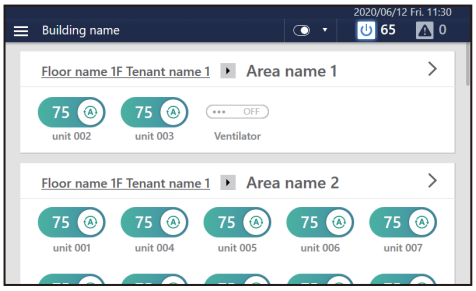
3 **Select [*3*-(1)] and tap [*3*-(2)]**



4 **Set the check box of the indoor unit (unit 001) you want to move to area 2 to ☑ and tap [*4*-(1)]**

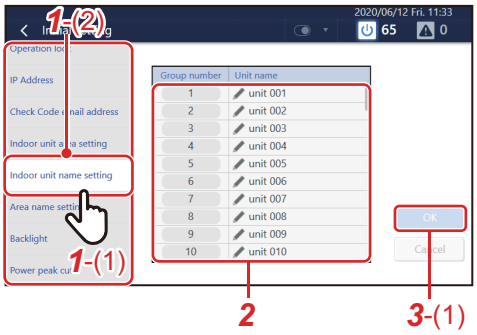


5 Tap [5-(1)]



The indoor unit (unit 001) is moved to area 2.

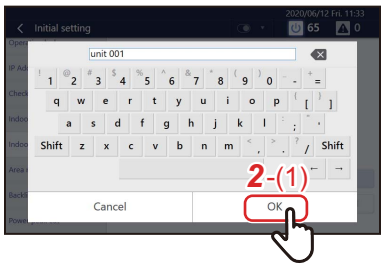
Set the name of an indoor unit



1 **Tap [*1*-(2)] in [*1*-(1)] (P.81)**

2 **Tap the name you want to change in the list**

A keyboard is displayed. Enter the name and then tap [*2*-(1)].

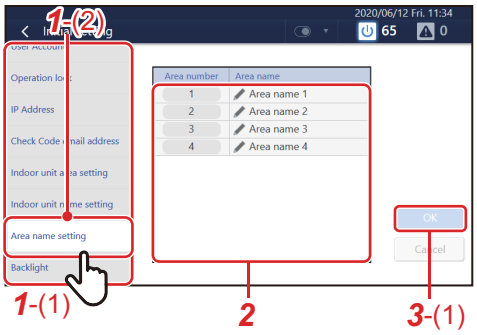


NOTE

- Tap [Shift] to toggle between upper case letters and lower case letters, and numbers and symbols.
- Tap ⌫ to delete one character.

3 **Tap [*3*-(1)]**

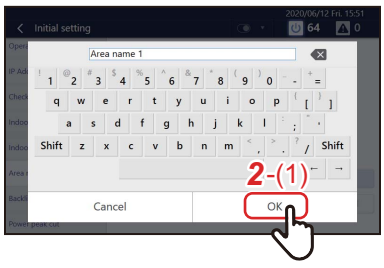
Set the area name



1 **Tap [*1*-(2)] in [*1*-(1)] (P.81)**

2 **Tap the name you want to change in the list**

A keyboard is displayed. Enter the name and then tap [*2*-(1)].



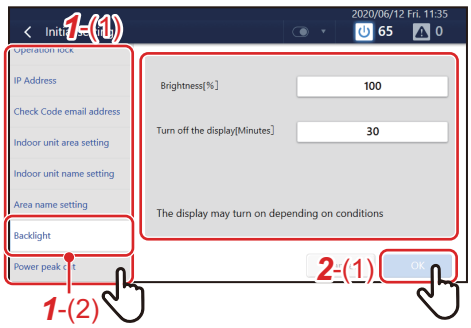
NOTE

- Tap [Shift] to toggle between upper case letters and lower case letters, and numbers and symbols.
- Tap ⌫ to delete one character.

3 **Tap [*3*-(1)]**

Set the screen brightness

You can set the brightness of the screen and the duration after the end of the operation. In (1, 3, 10, 30, 60, 360 (6 hours), 720 (12 hours) minutes)



1 **Tap [*1*-(2)] with [*1*-(1)] (P.81)**

2 **Select the brightness and tap [*2*-(1)]**

Set power consumption control conditions

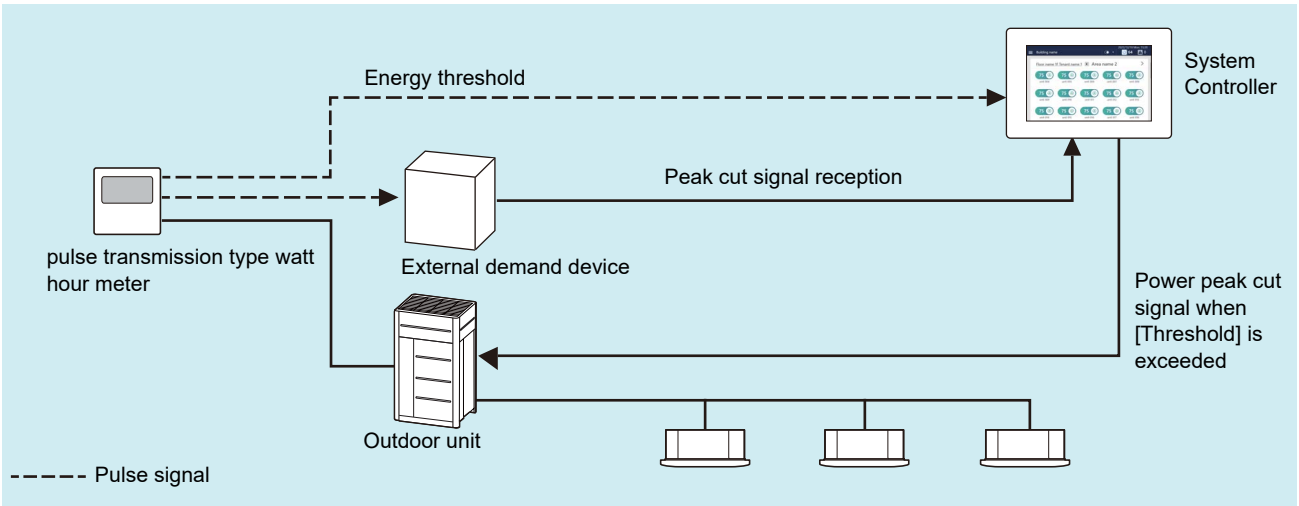
You can set the conditions for controlling power consumption peaks.
Based on the pulse signal from the pulse transmission type watt hour meter, the power usage is calculated, and if it exceeds the power usage threshold, an operation control signal is sent to the outdoor unit.
There are two different settings:

- Energy threshold: Controls operation based on the pulse signal from the pulse transmission type watt hour meter.
- Peak cut signal reception: Controls operation based on the signal from the external demand device.

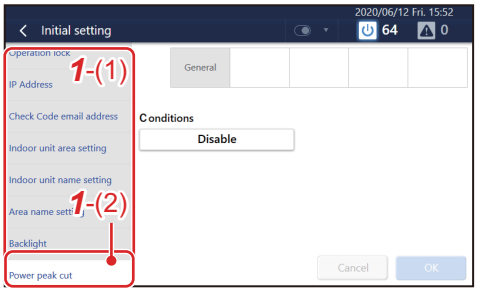
NOTE

Before setting these items, initial settings are required. For details, contact service personnel.

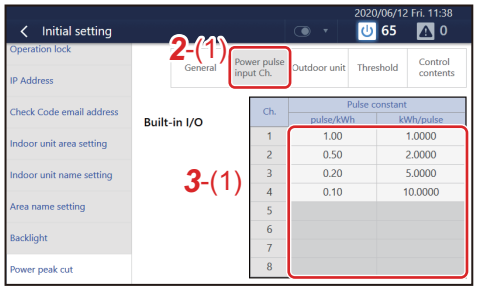
System diagram



Set Energy threshold



1 **In [*1*-(1)], tap [*1*-(2)]**

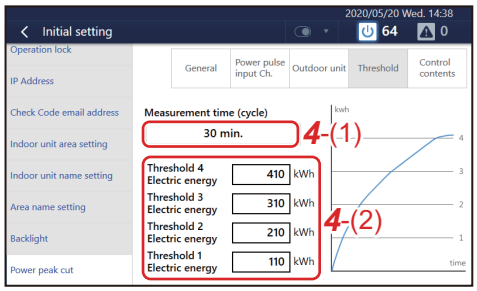


2 **Tap [*2*-(1)]**

3 **Tap [*3*-(1)] and set the pulse constant for each of channels 1 to 8**

NOTE

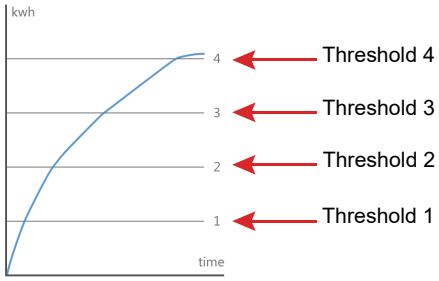
- Ensure that the pulse constant matches the output pulse of the pulse transmission type watt hour meter connected to the Unit.
- Channels 1 to 8 correspond to external input terminals DIs 1 to 8.
- Enter each pulse constant in either the [pulse/kWh] or [kWh/pulse] field. In the field in which no pulse constant is entered, the reciprocal of the entered value is displayed.
- Before setting these items, initial settings are required. For details, contact service personnel.

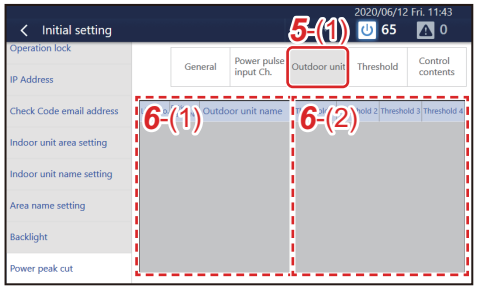


4 **Set data in [*4*-(1)] and [*4*-(2)]**

NOTE

- In Measurement time, set the measurement time for power usage.
- For Threshold 1 to Threshold 4, set the power usage in the measurement time cycle.
- A threshold of 0 means that no threshold is set.
- Enter thresholds, starting with Threshold 1, in such a way that the threshold gets larger as the number increases. You cannot skip any number.
- If the actual power usage is 250 kWh, Threshold 1 (110 kWh) and Threshold 2 (210 kWh) are exceeded. Thus, power peak cut controls 1 and 2 are executed.





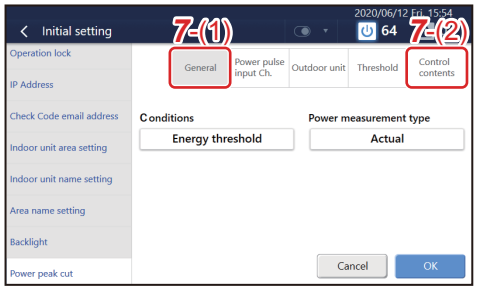
5 Tap [5-(1)]

6 Set the controls to execute if the thresholds that are set in step 4 are exceeded

- [6-(1)] Outdoor unit selection: Select a target outdoor unit
- [6-(2)] Control contents selection: Select the power peak cut control to execute if the threshold is exceeded

NOTE

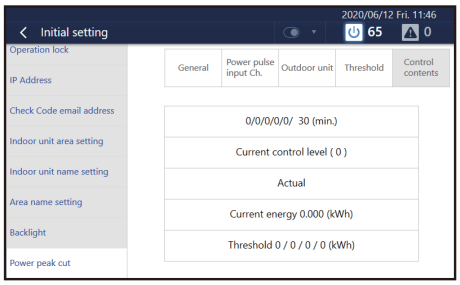
- You can set power peak cut controls with seven stages from 100% (no restriction) to 0% (operation stop).
- You can set them for each of the outdoor units connected to the Unit.
- Before setting thresholds for outdoor units, initial settings are required. For details, contact service personnel.



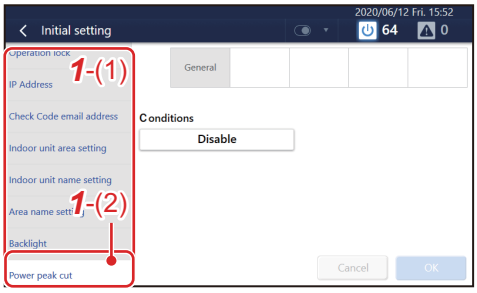
7 Tap [7-(1)] and tap [OK]

NOTE

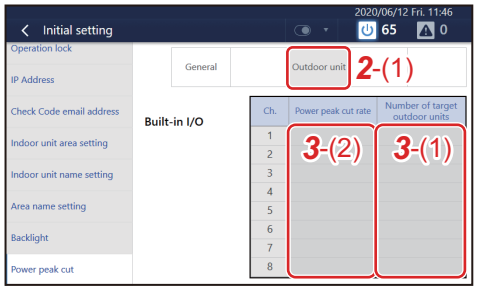
Tap [7-(2)] to check the setting contents.



Set Peak cut signal reception



1 **In [*1*-(1)], tap [*1*-(2)]**



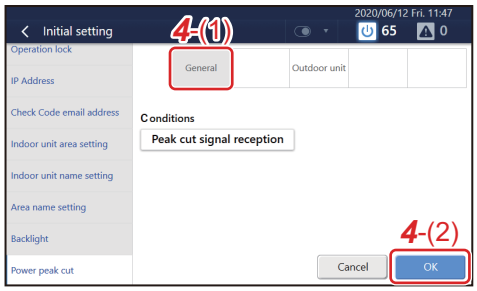
2 **Tap [*2*-(1)]**

3 **Enter the power peak cut control to execute when the power peak cut signal is entered**

- [*3*-(1)] Outdoor unit selection: Select a target outdoor unit
- [*3*-(2)] Control contents selection: Select the capacity limit to use when the power peak cut signal is entered

NOTE

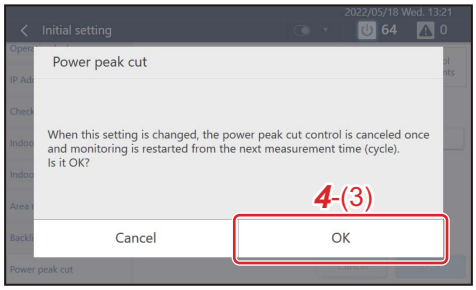
- You can set them with seven stages from 100% (no restriction) to 0% (operation stop).
- You can set them for each of the outdoor units connected to the Unit.
- Before setting power peak cut controls, initial settings are required. For details, contact service personnel.



4 **Tap [*4*-(1)], and tap [*4*-(2)]**

A popup screen appears.

Confirm the information, and then tap [*4*-(3)].



9 Remote Monitoring Using a PC

You can monitor and control the Unit by accessing it from a PC. This section explains the system diagram and the operating environment. For settings, etc., see "Settings for Remote Monitoring with a PC" (P.30).

NOTE

Some functions cannot be used from a PC. For details, please see "List by Lock Level/Level" (P.106).

Log in to Remote Control Software

NOTE

Up to 16 users can log in at the same time.



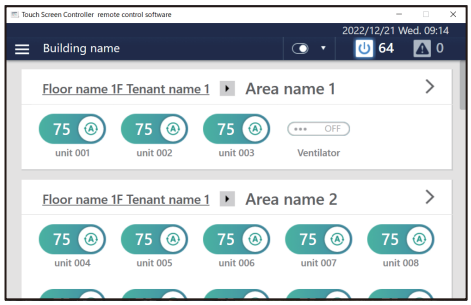
1 Double-click "AMTC_UI_****" on the desktop



2 Enter [*2*-(1)] [*2*-(2)], then click [*2*-(3)]

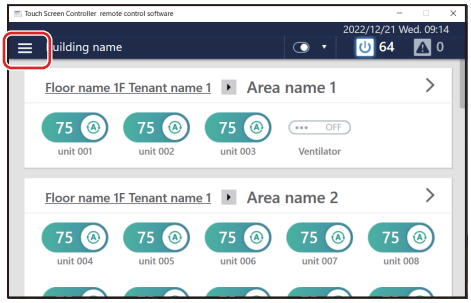
User ID/password:

Use the user account set up in step *1* of "Unit settings" (P.30).

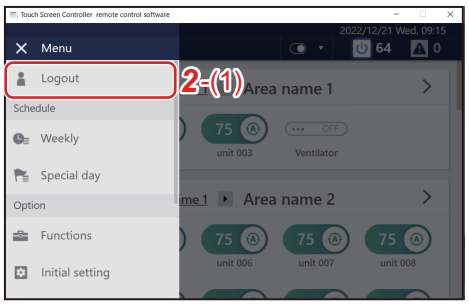


The Remote Control Software home screen is displayed.

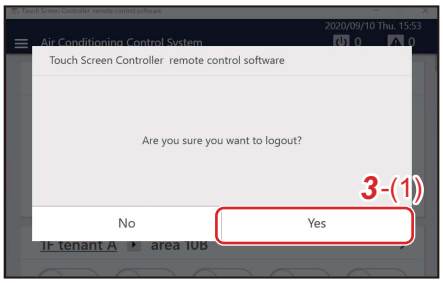
Log out from Remote Control Software



1 Click ☰



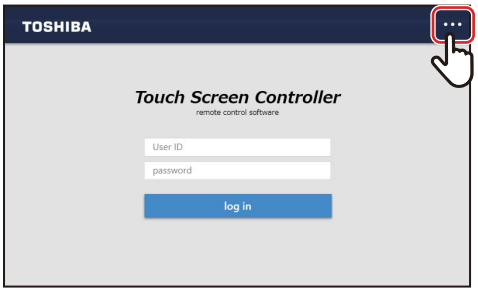
2 **Click [*2*-(1)]**



3 **Click [*3*-(1)]**

You are logged out from the Remote Control Software.

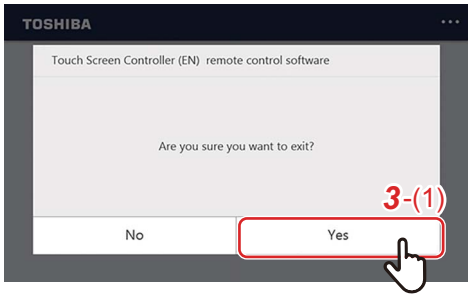
Exit Remote Control Software



1 **Tap** ···



2 **Tap [*2*-(1)]**



3 **Tap [*3*-(1)]**

Exit the Remote Control Software.

10 Power Distribution

Power Distribution System Using the Energy Report Software 2 (PC Software)

In normal houses, a contract is made with the electric power company for each house, but in buildings such as offices and shops, a contract is made between the building owner and the electric power company, and the building owner pays the total electricity bill. Therefore, in some cases the building owner distributes the electricity fee that they paid in bulk to each tenant and invoices for a fee.
With Energy Report Software 2, you can distribute the electric power based on data such as the operating time of the air conditioner(s) and the ON/OFF equipment recorded by the Unit. In addition, you can easily summarize the operation results in a report format and calculate the billing amount.

Example report

Toshiba Building

Air conditioner power distribution result Monthly report List

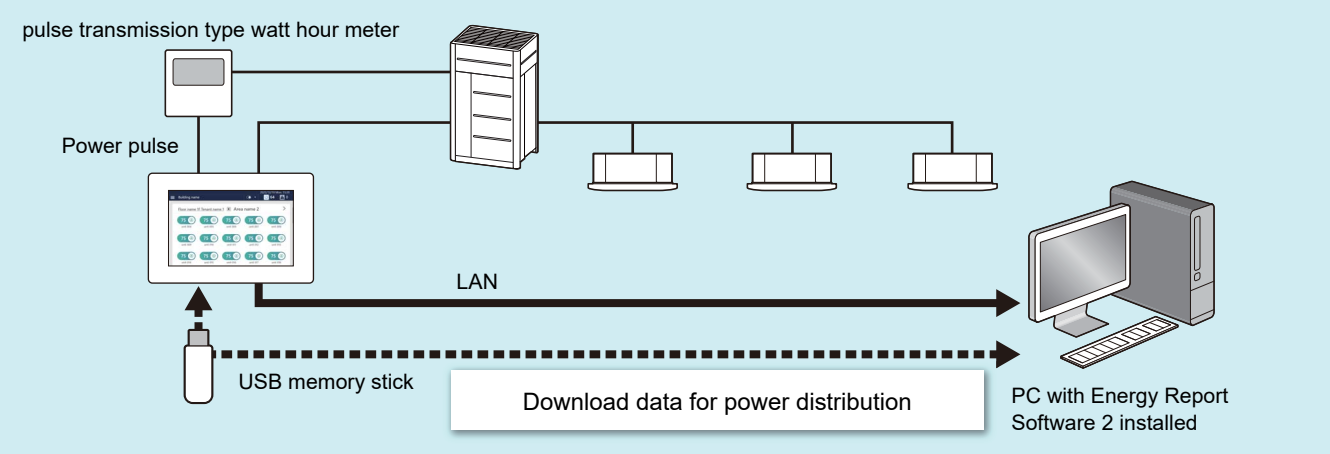
Metering term
Starting date Jan/01/2019
Ending date Jan/31/2019

No.	Classification					Operating time[h]	Power [kWh]	Normal hours		A hou
	System	Floor	Tenant	Area	Unit			Operating time[h]	Power [kWh]	Operating time[h]
1	ENR_test	Floor1	Tenant1	Area1	AC001	323.70	3,742.44	85.22	901.97	78.55
2	ENR_test	Floor1	Tenant1	Area1	AC002	331.55	3,582.63	83.13	893.77	79.85
3	ENR_test	Floor1	Tenant1	Area1	AC003	346.37	3,570.40	84.88	818.22	82.97
4	ENR_test	Floor2	Tenant2	Area2	AC004	339.97	3,670.81	83.42	886.18	84.68
5	ENR_test	Floor2	Tenant2	Area2	AC005	333.37	3,590.72	81.83	896.71	83.28
6	ENR_test	Floor3	Tenant3	Area3	AC006	331.55	3,582.63	83.13	893.77	79.85
7	ENR_test	Floor3	Tenant3	Area3	AC007	339.97	3,670.81	83.42	886.18	84.68
8	ENR_test	Floor3	Tenant3	Area3	AC008	333.37	3,590.72	81.83	896.71	83.28

CAUTION

- This system calculates the distribution of the power by load ratio estimated for each air conditioner. The result may differ from the actual power consumed. In addition, the result is not calculated based on the Measurement Act and cannot be used officially.
- This system correctly calculates and displays the amount of energy and the apportionment result only when the air conditioner, this controller, and the PC software are operating normally.
- When using this system, make sure that no error has occurred in the air conditioner, etc.

System diagram



How to use the power distribution system

1 Download the data for power distribution

Save the data for power distribution to the PC using one of the following procedures.

1) Download by LAN connection
   Download the data using the Energy Report Software 2.
2) Copy the data to a USB memory stick
   Output the data to the USB memory stick using the Unit's [Output to USB memory] and import the data using the Energy Report Software 2.

2 Create monthly reports and daily reports

Create a monthly report or daily report from [Change display] - [Report] in the Energy Report Software 2.

3 From the [Monthly report] screen or the [Daily report] screen, click the month or day you want to display

4 Click the [Output] button

NOTE

For details, refer to the Operating Instructions of the Energy Report Software 2.

11 Troubleshooting

Phenomenon	Question	Confirmation items
The LCD does not display.	Is the power turned on?	Check that the power is not turned off by the breaker or the like. There is a green LED at the lower rear of the main unit and a green LED on the AC adapter that indicate that power is being supplied.
		Check that the wiring of the power outlet and AC adapter is not disconnected. There is a green LED at the lower rear of the main unit and a green LED on the AC adapter that indicate that power is being supplied.
	Has the backlight gone out?	The LCD turns off when there is no operation for a certain period of time. Touch the touch panel to turn on. The brightness and display time can be changed using [Backlight].
	Is the backlight brightness dark?	Adjust the brightness using [Backlight].
The operated air conditioner does not run.	Does the operated air conditioner match the actual air conditioner?	Operate another air conditioner and check if the actual air conditioner operates.
	Has a check code been detected?	The air conditioner will not operate when a check code has been detected. Erase the check code.
	Are you operating with the local remote control?	Even if the air conditioner is run with this Unit, if it is stopped afterwards with the local remote control, it will stop. The latter operation of this Unit or the local remote control overrides the former.
	Is the air conditioner stopped due to the schedule setting of the local remote control or the like?	Even if the air conditioner is run with this Unit, if it is stopped afterwards with the local remote control schedule, it will stop. The latter operation of this Unit or the local remote control overrides the former.
	Are you operating with the PC app "Remote Control Software"?	Even if the air conditioner is run with this Unit, if it is stopped afterwards with the PC app "Remote Control Software", it will stop. The latter operation of this Unit or the "Remote Control Software" overrides the former.
I want to turn off the power.	From [Menu], turn off the power.	Select [Menu]-[Functions]-[shut down].
I want to reboot.	Reboot from the menu.	Select [Menu]-[Functions]-[System reboot].
The air conditioner settings change arbitrarily.	Are you operating with the local remote control?	Even if the air conditioner is run with this Unit, if it is stopped afterwards with the local remote control, it will stop. The latter operation of this Unit or the local remote control overrides the former.
	Is the air conditioner stopped due to the schedule setting of the local remote control or the like?	Even if the air conditioner is run with this Unit, if it is stopped afterwards with the local remote control schedule, it will stop. The latter operation of this Unit or the local remote control overrides the former.
	Have you applied settings such as stop using an external input signal?	When stop, etc. is set by an external input signal using the external interlocking function, the air conditioner stops automatically when a signal is input.
	Are you operating with the PC app "Remote Control Software"?	Even if the air conditioner is run with this Unit, if it is stopped afterwards with the PC app "Remote Control Software", it will stop. The latter operation of this Unit or the "Remote Control Software" overrides the former.
The schedule does not work.	Is the schedule disabled?	Please confirm the Scheduler Operation settings.
	Does the scheduled air conditioner match the actual air conditioner?	Operate another air conditioner and check if the actual air conditioner operates.
	Is a Special day schedule set?	If a day is set in both the Weekly schedule and a Special day schedule, the Special day schedule will apply for that day.
The air conditioner doesn't cool. The air conditioner doesn't heat.	Is demand control turned on?	Demand control suppresses the capability of the outdoor unit in order to reduce power consumption. Therefore, it may take time to reach the set temperature.
	Is the forced thermo OFF control turned on?	Forced thermo OFF is a control to stop the operation of the outdoor unit. Therefore, the indoor unit acts as a fan.
	Is the power saving control turned on?	Power saving suppresses the capability of the outdoor unit. Therefore, it may take time to reach the set temperature.

Phenomenon	Question	Confirmation items
The LCD does not turn off.	Has a check code been detected?	The LCD will still be on when a check code has been detected. Erase the check code.
Sometimes the LCD becomes black for a moment.	The LCD's antistatic control is working.	Temporarily stop the LCD periodically to prevent LCD burn-in. Not a malfunction.
The setting displayed on the local remote control does not match the setting displayed on this Unit.	Does the operated air conditioner match the actual air conditioner?	Operate another air conditioner and check if the actual air conditioner operates.
I would like to frequently change detailed settings such as the set temperature and operation mode for all air conditioners.	Only "ON" and "OFF" can operate all air conditioners at once.	You can set the set temperature and operation mode, etc. for all air conditioners group by group. Please group the air conditioners.
When local remote control operation is prohibited, if there is a power failure, the local remote control prohibited status will be cancelled when the power returns.	-	Ask service personnel if you want to continue the local remote control prohibited status after returning from a power failure.
FILTER information can be reset even when the FILTER sign is not displayed.	The FILTER signs lights up depending on the accumulated operation time.	As the operation time accumulates, the FILTER sign lights up when the preset operation time is reached. The FILTER sign information can be reset to clear the accumulated time for cases such as when FILTER cleaning is carried out before the FILTER sign turns on.
I want to check the software version.	Reboot from the Information menu.	The version is displayed under [Menu] - [Information].
The webpage of the Controller is not displayed.	Is the power to the System Controller on?	If the power to the System Controller is not on, you cannot connect to the webpage. Confirm if the power is on.
	Is the LAN cable connected?	The webpage is not displayed unless the PC and the LAN of this Unit are connected. Check the LAN cable connection and network settings.
	Have you set the IP address?	You cannot connect to the Unit unless the IP address of the PC is set. For details, see P.31.
	Do you use a proxy server?	If the setting is such that a proxy server is used, exclude the IP address of the System Controller.
Reboot from time to time.	Please check for noise and the power supply status.	The main unit may restart if noise in the surroundings or an unstable power supply cause the operation of the software to be unstable. Please check the surrounding environment.
I cannot start the Remote Control Software.	Is "Error 1001" displayed?	Please download .Net Framework 4.8 from the download website of this software and install it.
	Is the LAN cable connected?	This software will not start unless the PC and the LAN of this Unit are connected. Check the LAN cable connection and network settings.
	Is the IP address of the access destination set to the IP address of the controller main unit?	The IP address (or server name) to be entered during installation is the IP address of the controller main unit. It is not the IP address of the PC. If it is incorrect, please do the following and then reinstall. 1. Uninstall the application 2. Delete the install destination directory 3. Delete the desktop and start menu shortcuts
	Is the operating system of your computer Windows 10 or Windows 11?	The supported operating systems are Windows 10 and Windows 11. The software may not operate correctly when installed on a PC with a different OS.

Phenomenon	Question	Confirmation items
I cannot log in to the Remote Control Software.	Have you logged in as the same user from another PC?	Each user can log in from only one PC at the same time.
	Is the Windows display style set to classic style?	Please select a display style other than classic style. You can change the display style from [Start] - [Control Panel] - [Appearance and Personalization] - [Change the theme]. The supported operating systems of this software are Windows 10 and Windows 11.
I cannot log in to Remote Control Software from another PC after the LAN is disconnected.	Have you logged in with the same user ID?	You must log in again from a PC with the LAN disconnected and log out normally.
	Have you accessed the software from more than 8 PCs?	Up to 8 PCs can be accessed at the same time. The software may not operate correctly if you connect to more than 9 PCs.
	Did you assign the PC's IP address using a DHCP server?	This Unit judges whether it is accessed from the same PC using the IP address. If the PC address is changed partway through by the DHCP server, you may not be able to log in again after LAN disconnection. Please set the PC that accesses this Unit to a fixed IP or reboot the Unit and erase the login information.
The language does not switch with the Remote Control Software.	Does the login user for the Windows being used have write permission for the Remote Control Software storage location?	Please allow write permission below the folder where Remote Control Software is saved (initial setting: C:\Program Files\TOSHIBA Carrier Corporation). Right-click on the TOSHIBA Carrier Corporation folder, select the [Properties] - [Security] Name, click the "Edit" button and check [Allow] for [Full control] under different settings.
The schedule setting changes have not been reflected.	Are you trying to change the schedule settings on both the Remote Control Software and the main unit?	To change the schedule settings, please set only one of either the main unit or the Remote Control Software.
I would like to use the software with other centralized controllers.	Centralized controllers that can be used together within the same network.	It is possible to use up to 8 units together with all centralized controllers including this Unit. Ask service personnel to use them in combination.
I want to use multiple units in combination.	Number of units that can be used in combination in the same network.	It is possible to use up to 8 units together with all centralized controllers including this Unit. Ask service personnel to use them in combination.
The LCD sometimes turns black for a moment.	The LCD's antistatic control is working.	This is not a malfunction. The LCD may turn black temporarily to remove static electricity.
The multi outdoor unit's option board control does not work.	Do you want to use the multi outdoor unit's option board?	When the centralized controller is connected, the functions of the outdoor unit's option board become ineffective. Only one of the centralized controller and the outdoor unit's option board can be used.
The Unit does turn ON/OFF even though the operation interlock signal/stop interlock signal is input.	Has the interlock signal been input from the time of activation?	Since the interlock signal confirms the state by detecting the rising edge and falling edge, if the interlock signal is input from the time of activation, interlock control will not be performed. Please set so that the interlock signal turns OFF at the time of activation.
When the external device is repeatedly ON/OFF, the ON/OFF are repeated for a while after the operation is stopped.	Do you control and monitor external devices by connecting a digital input / output interface?	To control the ON/OFF with an external device, wait at least 15 seconds for the next operation after one operation. Alternatively, change the setting to control and monitor using the DI / DO of the controller instead of the digital I / O interface connection.
	Do you have alarm monitoring settings for External Units?	If the alarm monitoring of External Unit is not set, the alarm cannot be detected.
S33 (central controller addresses duplicated) has occurred.	Are LINK1 (Uh) and LINK2 (Uh) connected to the same wires?	LINK1 (Uh) and LINK2 (Uh) cannot be connected to the same wires.
	Is the Central Controller ID the same as another Central Control Device that is connected to the same LINK?	Change them so that the Central Controller IDs (addresses) of the Central Control Devices, not just the Touch Screen Controllers, connected to the same LINK, are not the same.

12 Useful Information

The following cases are not faults with the Unit.

Problem	Cause
When an air conditioner is stopped, its operation status is displayed on the LCD display part of the Touch Screen Controller.	This is because even when an air conditioner is stopped, you can set its operation from the Touch Screen Controller.
The display does not switch even if you operate the Touch Screen Controller.	• The function is not provided by the air conditioner. • There may be an error in the operation method. Please check the operation explanation of the function. • This is because switching of HEAT and COOL in the operation mode is prohibited.
It is not set even when operating the Touch Screen Controller.	

Please check the following before requesting service.

Problem	Cause	Solution
The air conditioner does not operate even when I press the Run/Stop switch on the Touch Screen Controller.	Has a power outage occurred?	If the LCD of the Touch Screen Controller does not display, press the ON/OFF button of the Touch Screen Controller again after energizing the controller.
On the LCD display part of the Touch Screen Controller ⚠ (Abnormality) and the check code S01 is displayed.		After restoring power to the air conditioner, the display will disappear after waiting a few minutes.
The check lamp of the Touch Screen Controller lights up.	Is the air conditioner protection device operating?	Please see the air conditioner owner's manual and check the operation.

If you have investigated the above and there is still an abnormality, please contact the dealer from whom you purchased the Unit with the part number and problem.
Under no circumstances conduct repairs by yourself. Doing so is dangerous.
Moreover, if the LCD display part of the Touch Screen Controller displays ⚠ (Abnormality) and a check code, please also inform the dealer of these items.

13 Appendix

Specifications

Detailed specifications

Power supply	AC 120 V 60 Hz
Consumed current	1.17 A
Operating temperature/ humidity range	32 to 104°F(0°C to 40°C), 10% to 90% RH (no dew condensation)
Dimensions: inch (mm)	H5.35″×W8.07″×D0.39″ (H136 mm×W205 mm×D10 mm)(+3.15″ (+80 mm)) (Embedded dimensions shown in parenthesis)
Mass	2.95 lb (1.34 kg) (Touch Screen Controller) 0.99 lb (0.45 kg) (power adapter)
LCD	Type 7 TFT liquid crystal, 800×480, 16,700,000 colours
Touch Screen	Projection-capacitive type
Communication ports	· RS-485 port ×1 (for connecting four DIGITAL INPUT/OUTPUT RELAY INTERFACEs and four ENERGY MONITORING RELAY INTERFACEs) · LAN port ×1 (for connecting PC)
USB port	USB memory stick connection port ×2
External contact input	8 inputs
External contact output	4 inputs
Included PC software (*1) (Requires a separate PC (*3))	· Remote Control Software · Energy Report Software 2 · Section Configuration Software

*1 You can download the owner's manual and installer for "Section Configuration Software" from inside the controller.
After setting the IP address of the computer (P.31), use the customer's web browser to access the following URL.
http://192.168.2.80/touchscreencontroller/EN-UL/download.html *2

*2 Input the value set in "Set the IP address of the Touch Screen Controller" (P.87) in place of "192.168.2.80".

*3 Conditions for PC connection (operating environment)
OS: Windows 10, Windows 11
LAN port: 10BASE-T or 100BASE-TX wired LAN port
Other: mouse/keyboard, printer (if printing is required)

Function list

Key Features			
Control	ON/OFF		
	Mode		
	Set temp.		
	Fan speed		
	Wind direction		
	Lock setting of remote control		
	Ventilation → ON/OFF		
	Ventilation → Mode		
	Ventilation → Fan speed		
	Night operation		
	Filter sign reset		
	Soft Cooling		
	Energy saving ratio [%]		
	Saving operation		
	Forced Thermo OFF		
	Return Back		
	Eco Temperature Shift		
	Set temp. range limit		
Monitoring	ON/OFF		
	Mode		
	Set temp.		
	Fan speed		
	Wind direction		
	Lock setting of remote control		
	Ventilation → ON/OFF		
	Ventilation → Mode		
	Ventilation → Fan speed		
	Soft Cooling		
	Energy saving ratio [%]		
	Eco Temperature Shift		
	Set temp. range limit		
	Outdoor temp.		
	Power Level		
	Return Back		
	Power peak cut		
	Filter Sign		
Schedule	Setting unit (Per unit)		
	Setting unit: Weekly schedule (per day of the week)		
	Setting unit: Special day schedule (per date)		
	Setting time (00:00 to 23:59)		
	Setting content	ON/OFF	
		Mode	
		Set temp.	
		Local remote controller operation lock/unlock	
		Return Back	
		Night operation	
		Energy saving ratio [%]	
		Ventilation operation	
		Vent. Mode	
	Maximum number of schedules per day 64		

Key Features			
External input	Inputs	Main unit	8 inputs
		DIO interface	8 inputs x 4 units
	Functions	Power pulse measurement	
		Demand Interlocking	
		Locking Interlocking	
		Stop Interlocking	
		Operation Interlocking	
		For external device ON/OFF indication	
		For external device check code display	
External output	Outputs	Main unit	4 outputs
		DIO interface	4 outputs x 4 units
	Functions	Air conditioner check code output	
		Operation output	
		System Controller check code output	
		Operation output to external device	

List by Lock Level/Level

Refer to the following table for the functional differences depending on the operation of the main Unit and remote operation, the level of the operation lock of the main Unit and the level of the user account.

(○: Full functional operation △: Partially restricted –: Cannot be used)

Item		Unit Operation			Remote Operation		
		Operation Lock None	Operation Lock - Level 1	Operation Lock - Level 2	Administrators	Power Users	Guests
Home screen		○	○	△	○	○	△
List screen		○	○	△	○	○	△
Layout screen		○	○	△	○	○	△
Batch ON/OFF screen		○	○	△	○	○	△
Check Code screen		○	○	△	○	○	△
Group screen	[CONTROL] tab	○	–	–	○	○	–
	[SCHEDULE] tab	○	–	–	○	–	–
	[GRAPH] tab	○	○	–	○	○	–
Individual control screen	[CONTROL] tab	○	○	–	○	○	–
	[SCHEDULE] tab	○	–	–	○	–	–
	[GRAPH] tab	○	○	–	○	○	–

Item				Unit Operation			Remote Operation		
				Operation Lock None	Operation Lock - Level 1	Operation Lock - Level 2	Administrators	Power Users	Guests
Menu	Schedule	[Weekly] tab		○	–	–	○	–	–
		[Special day] tab		○	–	–	○	–	–
	Report	Check Code history		○	○	○	○	○	○
		Power consumption		○	○	○	○	○	○
	Option	Operation Lock		○	○	○	○	○	○
		Functions	Release power peak cut	○	–	–	○	–	–
			Power peak cut schedule	○	–	–	○	–	–
			Operation mode restriction	○	–	–	○	–	–
			Scheduler Operation	○	–	–	○	–	–
			Output to USB Memory	○	–	–	–	–	–
			System reboot	○	–	–	○	–	–
			Shut down	○	–	–	○	–	–
		Initial setting	Display	○	–	–	○	–	–
			Clock and calendar	○	–	–	○	–	–
			Icon	○	–	–	○	–	–
			Theme	○	–	–	○	–	–
			User Account	○	–	–	–	–	–
			Operation Lock	○	–	–	○	–	–
			IP Address	○	–	–	–	–	–
			Check Code email address	○	–	–	–	–	–
			Indoor unit area setting	○	–	–	–	–	–
			Indoor unit name setting	○	–	–	–	–	–
			Area name setting	○	–	–	–	–	–
			Backlight	○	–	–	–	–	–
			Power peak cut	○	–	–	–	–	–
		User's manual		○	○	○	–	–	–
		Information screen		○	○	○	○	○	○
		Logout		–	–	–	○	○	○

14 Warranty and After-Sales Service

About the Warranty

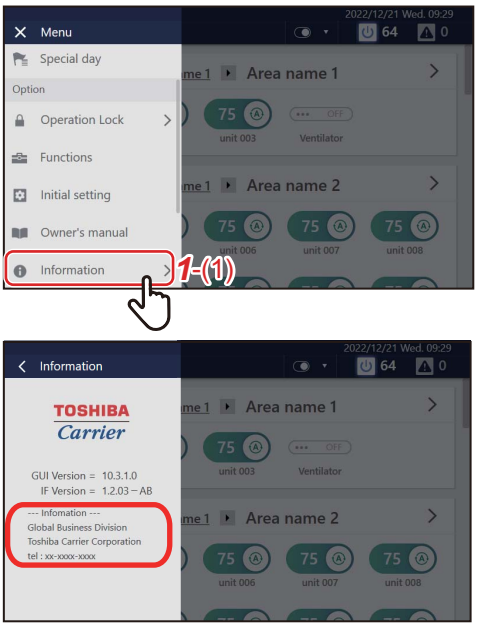
- The warranty period is one year from date of purchase.

About After-Sales Service

- Please check "11. Troubleshooting" (P.100) before requesting a repair. If this does not solve the problem, immediately shut off the power supply and contact us.
- Please inform us of the following when requesting a repair.
  - Customer name
  - Address, phone number
  - Product model name and serial number
  - Installation date
  - Failure status (as much detail as possible)

Contact for after-sales service

For after-sales service, please contact here.



1 **Tap ☰, then tap [*1*-(1)]**
The contact information is displayed.

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```

[Tatu continues]
```
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```

[However, none of that term is relevant at this point in time. All of
these restrictively licenced software components which he talks about
have been removed from OpenSSH, i.e.,

- RSA is no longer included, found in the OpenSSL library
- IDEA is no longer included, its use is deprecated
- DES is now external, in the OpenSSL library
- GMP is no longer used, and instead we call BN code from OpenSSL
- Zlib is now external, in a library
- The make-ssh-known-hosts script is no longer included
- TSS has been removed
- MD5 is now external, in the OpenSSL library
- RC4 support has been replaced with ARC4 support from OpenSSL
- Blowfish is now external, in the OpenSSL library

[The licence continues]

Note that any information and cryptographic algorithms used in this
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The Rijndael implementation by Vincent Rijmen, Antoon Bosselaers and Paulo Barreto is in the public domain and distributed with the following license:

```
 * @version 3.0 (December 2000)
 *
 * Optimised ANSI C code for the Rijndael cipher (now AES)
 *
 * @author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>
 * @author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>
 * @author Paulo Barreto <paulo.barreto@terra.com.br>
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Customer Memo

Model Name	BMS-CT2560U-UL		
Installation Date	Year	Month	Day
Name of dealer from whom you purchased the unit	Phone number		

It is convenient to fill this in at the time of purchase in case you need to request repair, etc.

Toshiba Carrier Corporation

336 TADEHARA, FUJI-SHI, SHIZUOKA-KEN 416-8521 JAPAN

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