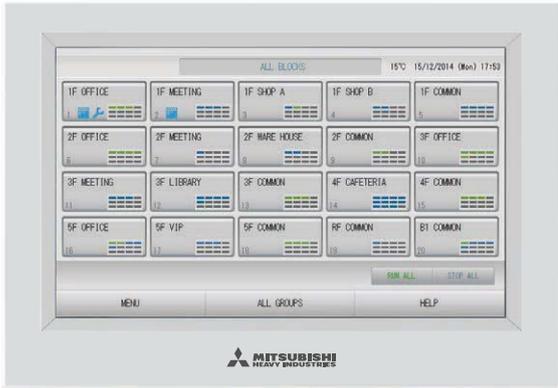


CENTRAL CONTROL (CENTER CONSOLE) SC-SL4-AE, SC-SL4-BE



SC-SL4-AE SC-SL4-BE

(with Calculating Function /
avec fonction de calcul /
mit Berechnungsfunktion /
con funzione di calcolo /
Con función de cálculo /
met calculatiefunctie /
com função de cálculo /
με λειτουργία υπολογισμού /
с функцией вычисления /
Hesaplama Fonksiyonlu /
z funkcją obliczeń)

USER'S MANUAL
CENTRAL CONTROL SC-SL4-AE, SC-SL4-BE

MANUEL DE L'UTILISATEUR
CONSOLE CENTRALE SC-SL4-AE, SC-SL4-BE

ANWENDERHANDBUCH
Hauptsteuerpult SC-SL4-AE, SC-SL4-BE

ISTRUZIONI PER L'USO
CONSOLE CENTRALE SC-SL4-AE, SC-SL4-BE

MANUAL DEL PROPIETARIO
CONSOLA CENTRAL SC-SL4-AE, SC-SL4-BE

GEBRUIKERSHANDLEIDING
CENTRALE CONSOLE SC-SL4-AE, SC-SL4-BE

MANUAL DO UTILIZADOR
CENTER CONSOLE SC-SL4-AE, SC-SL4-BE

ΟΔΗΓΙΕΣ ΧΡΗΣΗΣ
ΚΕΝΤΡΙΚΗ ΚΟΝΣΟΛΑ SC-SL4-AE, SC-SL4-BE

РУКОВОДСТВО ПО ЭКСПЛУАТАЦИИ
ЦЕНТРАЛЬНЫЙ КОНТРОЛЛЕР SC-SL4-AE, SC-SL4-BE

KULLANIM KILAVUZU
MERKEZİ KONSOL SC-SL4-AE, SC-SL4-BE

PODRĘCZNIK UŻYTKOWNIKA
STEROWNIK CENTRALNY SC-SL4-AE, SC-SL4-BE

ENGLISH**FRANÇAIS****DEUTSCH****ITALIANO****ESPAÑOL****NEDERLANDS****PORTUGUÊS****ΕΛΛΗΝΙΚΑ****РУССКИЙ****TÜRKÇE****POLSKI**

This center console complies with EMC Directive 2014/30/EU, LV Directive 2014/35/EU, RoHS Directive 2011/65/EU.
CE marking is applicable to the area of 50 Hz power supply.

Cette console centrale est conforme à la directive CEM 2014/30/UE, à la directive basse tension 2014/35/UE et à la directive RoHS 2011/65/UE.
La marque CE s'applique aux régions alimentées en courant de 50 Hz.

Diese Mittelkonsole erfüllt die Richtlinien zur elektromagnetischen Verträglichkeit 2014/30/EU, die Niederspannungsrichtlinien 2014/35/EU und die RoHS-Richtlinie 2011/65/EU.
Die CE-Marke gilt für Bereiche mit einer Netzstromversorgung von 50 Hz.

Questa console centrale è conforme alla Direttiva EMC 2014/30/UE, alla Direttiva LV 2014/35/UE e alla Direttiva RoHS 2011/65/UE.
Il marchio CE è applicabile alla fascia di alimentazione 50 Hz.

Esta consola central cumple con la Directiva de Compatibilidad Electromagnética 2014/30/UE, con la Directiva de Baja Tensión 2014/35/UE y con la Directiva RoHS 2011/65/UE.
La indicación CE solo corresponde al área de suministro eléctrico de 50 Hz.

Deze centrale console voldoet aan EMC-Richtlijn 2014/30/EU, LV-Richtlijn 2014/35/EU, RoHS-Richtlijn 2011/65/EU.
CE-markering is van toepassing op het gebied met een netstroom van 50 Hz.

Esta consola central está em conformidade com a Diretiva EMC 2014/30/UE, a Diretiva LV 2014/35/UE e a Diretiva RoHS 2011/65/UE.
A marca CE aplica-se à zona de fornecimento de energia a 50 Hz.

Αυτή η κεντρική κονσόλα συμμορφώνεται προς την Οδηγία 2014/30/ΕΕ περί ηλεκτρομαγνητικής συμβατότητας, προς την οδηγία 2014/35/ΕΕ περί χαμηλής τάσης και προς την Οδηγία 2011/65/ΕΕ περί RoHS.
Το σήμα CE ισχύει μόνον σε περιοχές όπου η τροφοδοσία είναι 50 Hz.

Этот центральный пульт управления соответствует требованиям директивы по электромагнитной совместимости 2014/30/ЕU, директивы по низковольтному оборудованию 2014/35/ЕU, директивы RoHS 2011/65/ЕU.
Маркировка CE нанесена в области источника питания, работающего на частоте 50 Гц.

Bu orta konsol, 2014/30/EU sayılı EMC Direktifi, 2014/35/EU sayılı LV Direktifi ve 2011/65/EU sayılı RoHS Direktifi ile uyumludur.
CE işareti, 50 Hz güç kaynağı için geçerlidir.

Sterownik centralny spełnia wymagania dyrektywy EMC 2014/30/EU, dyrektywy niskonapięciowej 2014/35/EU oraz dyrektywy RoHS 2011/65/EU.
Oznakowanie CE dotyczy wyłącznie regionów, w których częstotliwość napięcia zasilającego wynosi 50 Hz.

Thank you for purchasing Central Control SC-SL4-AE, SC-SL4-BE.

Before using, read thoroughly this user's manual for proper operation. After reading, carefully store it for future reference. If any trouble should occur during operation, it will be helpful. Also, read thoroughly the user's manual which is attached to the air conditioner.

■ PRECAUTIONS FOR WASTE DISPOSAL



Your central control may be marked with this symbol. It means that waste electrical and electronic equipment (WEEE as in directive 2012/19/EU) should not be mixed with general household waste. Central control should be treated at an authorized treatment facility for re-use, recycling and recovery and not be disposed of in the municipal waste stream. Please contact the installer or local authority for more information.



This symbol printed in the batteries attached to your central control is information for end-users according to the EU directive 2006/66/EC article 20 annex II.

Batteries, at their end-of-life, should be disposed of separately from general household waste. If a chemical symbol is printed beneath the symbol shown above, this chemical symbol means that the batteries contain a heavy metal at a certain concentration. This will be indicated as follows: Hg:mercury (0.0005%), Cd:cadmium (0.002%), Pb:lead(0.004%)

Please, dispose of batteries correctly at your local community waste collection or recycling center.

Table of contents

Safety Precautions	3	Maintenance.....	59
Introduction	5	Shutdown	60
Overview	5	Using MAINTENANCE MENU	61
Names and Functions of Parts	5	Unit Definition Settings (SC-SL4-BE only)	62
Blocks, Groups	6	Outdoor Unit Definition	63
Startup Screen	6	Import/Export Configuration File	64
Quick Reference Chart for Operations	8	Meter Definition (SC-SL4-BE only)	66
Menu	9	Operation Data Monitoring.....	66
Operator Menu Screen	10	Maintenance User Setting	67
All Blocks Display	11	Function Setting.....	68
Changeover Confirmation Screen	12	SL Mode.....	69
Icons	12	Function Settings Details	70
Operation	14	External Input Settings.....	71
Group Operation Settings (Monitor Group Status)	14	Language Setting.....	72
Multiple Groups Operation Settings.....	19	Factory Clear	73
Group Batch Operation.....	22	Viewing Alarm History	74
Schedule Settings.....	24	External Input Status	75
Viewing Detailed Unit Information.....	30	Troubleshooting	76
Calculating Settings (SC-SL4-BE only)	31	Installation	79
Initial Settings.....	33	After Sales Service.....	79
Group Definition.....	33		
Block Definition	37		
Time & Date Setting.....	40		
Convenient Functions.....	42		
Entering Numbers and Characters	42		
Display Setting.....	43		
Corrections for Power Outage	44		
Using USB Memory	44		
Operation Time History	46		
Energy Consumption History (SC-SL4-BE only)	47		
LAN Settings.....	48		
Operator Settings.....	49		
Function Setting.....	50		
Temperature Range Setting.....	50		
Control Function Setting	51		
Home Leave Setting	52		
Data Logging	54		
Flap Control Setting	55		
Group User Setting	56		
Viewing Alarm History	58		
System Information	58		
Help	58		

Safety Precautions

- Before starting to use the central control, read these “Safety precautions” carefully to ensure proper operation of the central control.
- The safety precautions are classified as “**⚠ WARNING**” and “**⚠ CAUTION**”. Precautions as shown in the column “**⚠ WARNING**” indicate that improper handling could have serious consequences like death, serious injury, etc.
- “**⚠ CAUTION**” might pose a serious problem, depending on the circumstances. Please observe these precautions with great care, since they are essential to your safety.
- Symbols which appear frequently in the text have the following meaning:

	Strictly prohibited.		Observe instructions with great care.		Provide positive earthing.
---	----------------------	---	---------------------------------------	---	----------------------------

- When you have read the user’s manual, please keep it near at hand for consultation. If someone else takes over as operator, make sure that the manual is also passed on to the new operator.

■ INSTALLATION PRECAUTIONS

⚠ WARNING

The central control must be installed by your dealer or a qualified professional.



It is not advisable to install the central control yourself, as faulty handling may cause electric shock or fire.

⚠ CAUTION

Make sure to perform grounding work.

Depending on the place of installation, a leakage breaker may be necessary.



Do not connect the ground wire to any gas pipes, water pipes, lightning conductors or a ground wire connected to telephones. Incomplete grounding may cause electric shock.



If a leakage breaker is not installed, electric shock may happen. Consult your dealer.

■ OPERATION PRECAUTIONS

⚠ WARNING

If the central control is damaged with water due to a natural disaster such as a flood or a typhoon, consult your dealer.



Operating the central control under such conditions may lead to failure, electric shock and/or fire.

If the central control is under abnormal conditions, stop the operation, turn the power supply switch off and consult your dealer.



Continuing operating the central control under abnormal conditions may lead to failure, electric shock and/or fire.

⚠ CAUTION

Do not handle with wet hands.



This may cause an electric shock or failure.

Do not pull the connecting wire.



If the core wire is disconnected, it could cause a short-circuit.

Do not wash the central control with water.



It may cause electric shock or failure.

A static electric discharge to the unit could cause a break-down.

Before performing operations, touch a grounded metal object and discharge any static electricity.

Do not perform repetitive operations with significant force.

The touch panel will deteriorate, and screen response may worsen.

■ PRECAUTIONS FOR RELOCATION OR REPAIR

⚠ WARNING

Never modify or disassemble the central control. If it requires service, consult your dealer.



If servicing is inadequate, electric shock and/or fire may occur.

If it is required to relocate the central control, consult your dealer.



Improper installation of the central control may cause electric shock and/or fire.

Unit specifications

Item	Description
Product dimensions	250 (W) x 172 (H) x (23+70) (D) mm (70 is the embedded measurement)
Weight	2 kg
Power supply	AC100–240W 50/60 Hz
Power consumption	9 W
Usage environment	Temperature: 0 to 40 deg C
Material	Casing: ABS

Introduction

Overview

Central controls are made to collectively control air conditioning indoor units. All the controls such as unit monitoring, operation, settings and scheduling can be done on the touch panel.

Warning

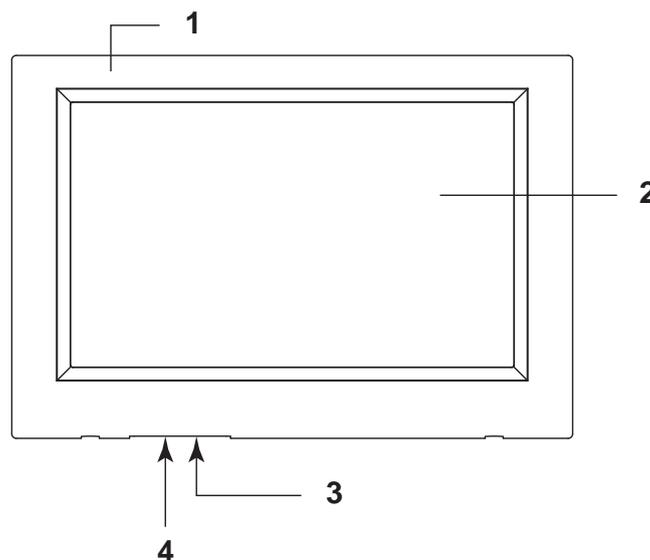
This is a class A product. In a domestic environment, this product may cause radio interference in which case the user may be required to take adequate measures. This unit is not for domestic use.

Important!!

The energy consumption calculated by this unit does not conform to OIML, and there are no guarantees concerning the results of the calculations.

This unit calculates only energy consumption distribution (gas, electric power). You need to calculate the air-conditioning rates.

Names and Functions of Parts



1. Front Cover

2. Color LCD Display

The screens are displayed here. Operations are performed by touching it with a finger.

3. Reset switch

Press the switch that is placed innermost of small hole at the lower side of this cover, using a straight clip or similar tool.

The screen may be locked depending on the static charge or external noise, etc, but there is no trouble. In this case, the screen can be returned to normal display by pressing the reset switch.

4. USB Memory Slot

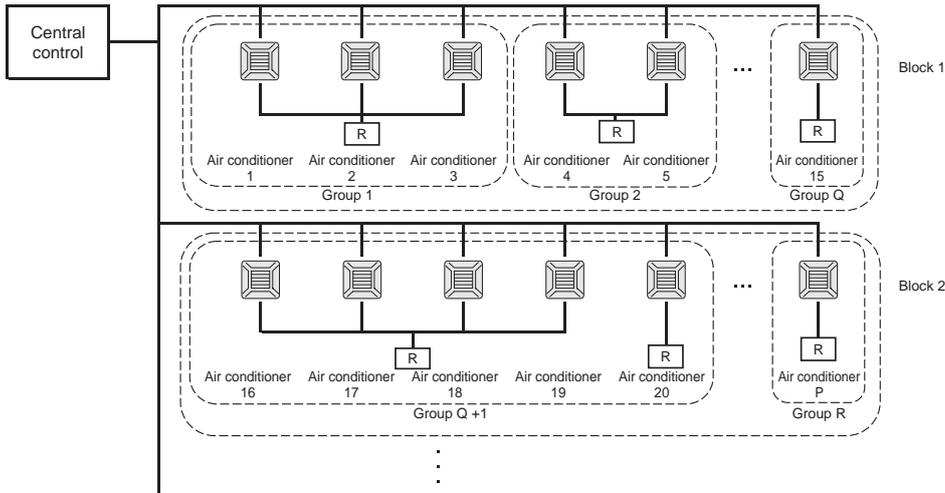
Insert the USB memory from the bottom.

Warning

Do not insert any USB device other than the bundled USB memory.

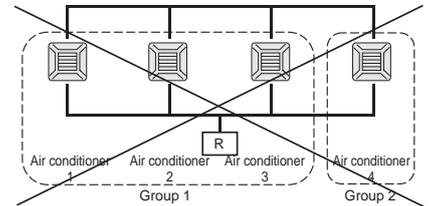
Blocks, Groups

[Example of Connections]



- A maximum of 16 air conditioner can be set up in one group.
- Do not use one remote controller for different groups of air conditioner.
- A maximum of 12 groups can be set up in one block.
- A maximum of 20 blocks can be set up.

R : Remote controller



Startup Screen

[Startup screen]

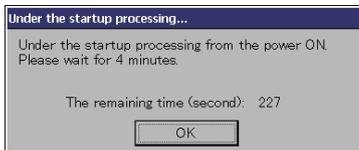


This screen is displayed at startup.

Note

It may take time to display the screen.

[Information screen]



Note

It is not possible to do any setting when information screen is displayed.

[Login screen]



The default ID and password are as follows:

Default ID: OPERATOR

Default password: 123456

After logging in, change the default ID and password to your own.

Changing the ID and password page 49

All Groups Display



This display appears the first time the unit starts up or when block have not been registered. Make the initial settings in the following order.

Time & Date Setting  page 40

Group Definition  page 33

Block Definition  page 37

Once blocks are registered, it is very convenient because the status of all groups can be viewed on a single screen.

All Blocks Display

When blocks have been registered, this display appears.



Note

It may take time for the settings to be read into the unit. Do not perform any operations until all the groups that have been set are displayed. (This should take only a few minutes.)

Quick Reference Chart for Operations

Initial settings	Date & time	Page 40 (Time & Date Setting)
	Groups	Page 33 (Group Definition)
	Blocks	Page 37 (Block Definition)
Viewing status	All blocks	Page 11 (All Blocks Display)
	All groups	Page 18 (All Groups Display)
	Each group	Page 14 and 17 (Group Operation Settings : BLOCK LAYOUT & GROUP LIST screen)
	Each unit	Page 30 (Viewing Detailed Unit Information)
Group operation		Page 14 (Group Operation Settings)
Multiple groups operation		Page 19 (Multiple Groups Operation Settings)
Batch operation		Page 22 (Group Batch Operation)
Setting and checking schedules		Page 24 (Schedule Settings)
Making calculating settings (SC-SL4-BE only)		Page 31 (Calculating Settings)
Entering numbers and characters		Page 42 (Entering Numbers and Characters)
Using convenient functions		Page 43 (Display Setting)
		Page 44 (Corrections for Power Outages)
		Page 44 (Using USB Memory)
		Page 46 (Operation Time History)
		Page 48 (LAN Setting)
		Page 49 (Operator Settings)
		Page 50 (Function Setting)
		Page 54 (Data Logging)
		Page 55 (Flap Control Setting)
		Page 56 (Group User Setting)
		Page 58 (System Information)
Alarm history		Page 58 and 74 (Viewing Alarm History)
Further Information		Page 58 (Help)

Menu

When the MENU button is pressed, the screen switches to the one shown below.



1. ALL BLOCKS button

Displays a list of the names and status of all blocks in a panel.  page 11

2. ALL GROUPS button

Displays all group names and status in a list.  page 18

3. OPERATION TIME HISTORY button

Displays operation time in graph format for each group.
(If you have not set a group, this button is invalid.)  page 46

4. DISPLAY SETTING button

Sets the brightness of the display and the light-up period of the backlight, or switches to screen cleaning mode.  page 43

5. OPERATOR MENU button

Switches the screen for making group and block settings, date and time settings and accounting settings (SC-SL4-BE only) as well as viewing the alarm history.  page 10

6. SHUTDOWN button

When it is known that there will be a power outage, this button saves the settings.  page 60

7. LOGOUT button.

Return to login screen.

8. Outdoor air temperature

You can choose outdoor unit.  page 63

9. Date and Time display

10. CHANGE ALL button

Switches the screen for changing group batch operation settings.  page 22

11. SCHEDULE SETTING button

Switches the screen for setting air conditioning operation schedules.
(If you have not set a group, this button is invalid.)  page 24

12. SYSTEM INFORMATION button

Displays the central control version number and number of units registered.  page 58

13. MAINTENANCE MENU button

Displays the MAINTENANCE MENU. This button is displayed only when you have logged in using the maintenance user ID.  page 61

14. RUN ALL/STOP ALL button

Stops running for groups set up for batch operation.
(Settings can also be made for groups not set up for batch operation.  page 33

15. HELP button

Opens the screen for viewing detailed information on the display content and operations.  page 58

Operator Menu Screen

This is displayed when the OPERATOR MENU button is pressed on the MENU screen.

☞ page 9

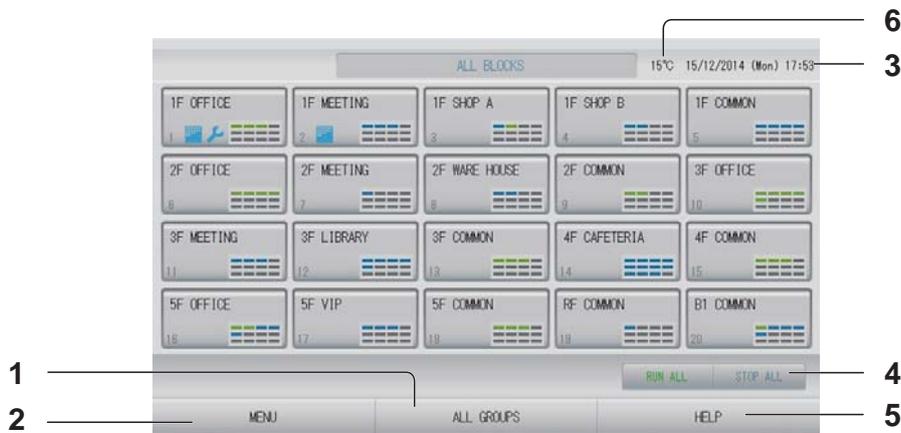


1. **BLOCK DEFINITION button**
Switches the BLOCK DEFINITION screen.
☞ page 37
2. **GROUP DEFINITION button**
Switches the GROUP DEFINITION screen.
☞ page 33
3. **FUNCTION SETTING button**
Switches to the screen for TEMPERATURE RANGE SETTING, CONTROL FUNCTION SETTING and HOME LEAVE SETTING.
☞ page 50
4. **ACCOUNTING PERIOD TIME button**
Switches to the screen used to set the start and end time of the accounting period.
(SC-SL4-BE only) ☞ page 31
5. **FLAP CONTROL SETTING button**
Switches the FLAP CONTROL SETTING screen. ☞ page 55
6. **OPERATOR SETTING button**
Switches to the screen used to set the operator ID and password, and operator information. ☞ page 49
7. **MENU button**
Returns to the MENU screen. ☞ page 9
8. **Date and Time display**
9. **LAN SETTING button**
Switches to the screen used to set the IP address, subnet mask, and gateway address.
☞ page 48
10. **TIME & DATE SETTING button**
Switches the TIME & DATE SETTING screen.
☞ page 40
11. **DATA LOGGING button**
Switches the DATA LOGGING screen.
☞ page 54
12. **EXPORT MONTHLY DATA FILES button**
Switches to the screen used to export the accounting period data and save it on a USB memory device. (SC-SL4-BE only)
☞ page 44
13. **ALARM HISTORY button**
Displays the Alarm History of the units.
☞ page 58
14. **GROUP USER SETTING button**
Switches the GROUP USER SETTING screen. ☞ page 56
15. **HELP button**
Opens the screen for viewing detailed information on the display content and operations. ☞ page 58
16. **Outdoor air temperature**
You can choose outdoor unit. ☞ page 63

All Blocks Display

This is displayed when the ALL BLOCKS button is pressed on the MENU screen.  page 9

The names and the status of all blocks are displayed in the panels. Unestablished blocks or blocks without any groups are not displayed. If a block button is pressed, the BLOCK LAYOUT screen is displayed.  page 14



1. ALL GROUPS button

Displays all groups.  page 18

2. MENU button

Returns to the MENU screen.  page 9

3. Date and Time display

4. RUN ALL/STOP ALL button

Stops running for groups set up for batch operation.
(Settings can also be made for groups not set up for batch operation.)  page 33

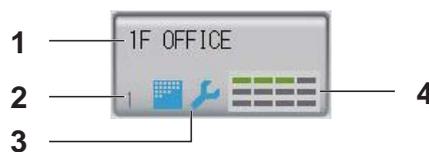
5. HELP button

Opens the Help.  page 58

6. Outdoor air temperature

You can choose outdoor unit.  page 63

Individual Block Displays



1. Block name

2. Block number

3. Filter Sign and Maintenance Indicator

Displayed when at least one group needs the cleaning of the filters or maintenance.  page 12

4. Each group status display

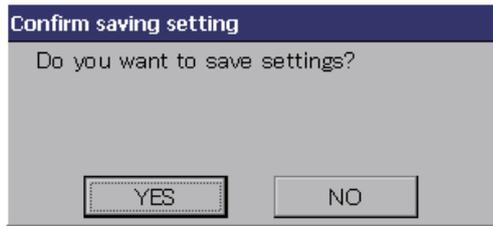
The colors 1 – 12 show the status of the groups. As shown in the below figure, it is arranged from small group number.

1	2	3	4
5	6	7	8
9	10	11	12

The colors have the following significance.

- Green : Running
- Blue : Stopped
- Red : Malfunction
- Yellow : Communication error
- Gray : No groups

Changeover Confirmation Screen



This is a screen for confirming the changes to various settings. The text displayed varies according to the screen called up, but the operation is as follows. Press the YES button to save the settings and to exit. Press the NO button to exit without saving your settings.

Icons

Filter sign		If at least one air conditioner in a block or group needs filter maintenance, this indicator lights up. When this happens, clean the filters.
Maintenance Indicator	When the maintenance indicator is lit for at least one air conditioner in a block or group, the maintenance indicator is displayed. If the maintenance indicators are off on all units, the maintenance indicator turns off. Contact your dealer if this indicator is on.	
	 (Gray)	Inspection, Inspection 1, Inspection 2
	 (Yellow)	Backup operation (Inspection 3)
Scheduling		This shows the group that is the target of the current day's schedule.
Air direction	This shows the status of louver operation.	
		Swinging (AUTO)
		Position 1 (STOP 1)
		Position 2 (STOP 2)
		Position 3 (STOP 3)
		Position 4 (STOP 4)

Unit states	The unit status is shown by figures.	
	Error stop (One or more units have been stopped because of malfunction.) Please contact your dealer.	
	Demand (The external signal is inputted to the demand terminal.) The target unit's set temperature shifts by 2 deg C or the target unit will switch to fan mode and remote controller operations are prohibited. When the external signal is cancelled, the setting will return.  page 34, 71	
	Emergency stop (The external signal is inputted to the emergency stop terminal.) All units stop and operations are prohibited. When the emergency stop signal is cancelled, the remote controller lock/unlock setting will return but the units remain stopped.  page 71	
	Accounting period time (This shows the accounting period time 2, 3 or 4. The icon of accounting period time 1 is not shown.)	
	Energy saving (This shows the group that is the target for energy saving.)	
	Silent mode (This shows the group that is the target for silent mode.)	

Operation

Attention

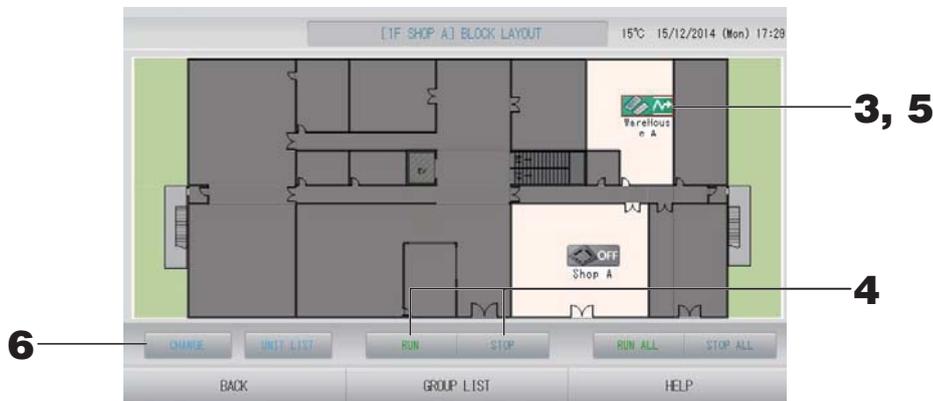
A static electric discharge to the unit could cause a break-down.

Before performing operations, touch a grounded metal object and discharge any static electricity.

Group Operation Settings (Monitor Group Status)

1. Press the **ALL BLOCKS** button on the **MENU** screen.  page 9
2. Press the block you wish to set or monitor.
The **BLOCK LAYOUT** screen is displayed.
The group name and status can be observed.

[BLOCK LAYOUT screen]



Note

- Icons displayed have following meanings.



: Running (at least one unit is running)



: Stopped (all units have stopped)



: Malfunction (at least one unit is not in good condition)



: Communication error (at least one unit can not communicate)



: Home leave running (at least one unit is running for home leave)



: Home leave stopped (all units have stopped and at least one unit's status is home leave)

- If the **GROUP LIST** button is pressed, the **GROUP LIST** is displayed.  page 17
- To display the units in a group, press the **UNIT LIST** button.  page 30

<When running and stopping each group>

3. Press the icon of the group for which settings are to be made.

The frame turns red.

When you want to cancel, please press the icon again.

4. • To run units

Press the RUN button, and press the Yes button on the confirmation screen.

The selected group starts running.

• To stop units

Press the STOP button, and press the Yes button on the confirmation screen.

The selected group stops running.

When you do not want to set, press the No button.

<When making settings and changes on each group>

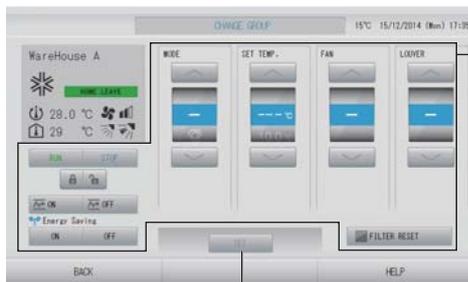
5. Press the icon of the group for which settings or changes are to be made.

The frame turns red.

6. Press the CHANGE button.

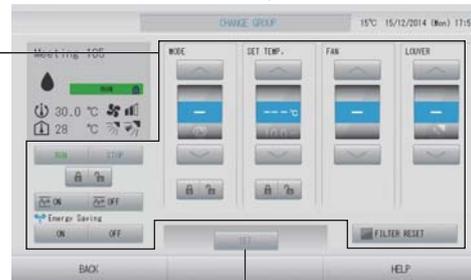
The CHANGE GROUP screen is displayed. When the screen changes, no items are selected. Set only the items that are to be set or changed.

[CHANGE GROUP screen]



7

(Individual lock/unlock settings valid in FUNCTION SETTING)

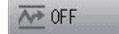


8

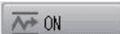
This function can be applied to the indoor units, which are the model KXE4 or later, and to the wired remote controller, which is the model RC-E1 or later.

7. Press the button for the item to set or change.

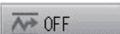
- RUN/STOP/HOME LEAVE ON/HOME LEAVE OFF

Press the RUN, STOP,  or  button.

– When the RUN button is selected, the operation starts, and when the STOP button is selected, the operation stops.

– When the  button is selected, Home leave operation starts.

* MODE and SET TEMP. cannot be set.

– When the  button is selected, Home leave operation stops.

- MODE

Select  Auto,  Cool,  Dry,  Fan or  Heat by pressing the button.

– Auto Mode can be valid in the FUNCTION SETTING.  page 68

This function can be applied to the indoor units, which are the cooling/heating free multi KXR, single split PAC.

- SET TEMP.
Press or . page 50 (TEMPERATURE RANGE SETTING)
- FAN
Select (Powerful), (High), (Medium), (Low), or (AUTO), and press the button.
 - When using automatic mode, valid the AUTO FAN on the FUNCTION SETTING.
 - When using powerful mode, select 4-speed for FAN TYPE on the GROUP DEFINITION DETAILS screen.

(Powerful mode)

Operates with the maximum fan speed.

It is suitable for heating or cooling the entire room thoroughly.

- Air direction
Select Auto, stop 1, stop 2, stop 3 or stop 4 and press the button.
- Lock
Press or .
If is pressed, remote controller operations are permitted, and if is pressed, they are prohibited.
- FILTER RESET
If the button is pressed, the filter sign turns off.
- Energy Saving
Press the ON or OFF button.
 - When the ON button is selected, energy saving operation starts.
 - When the OFF button is selected, energy saving operation stops.
 Use this operation to save energy. A unit shifts its set temperature by outside temperature. page 51

8. Press the SET button. Press the Yes button on the confirmation screen.

When you do not want to set or change, press the No button.

Note

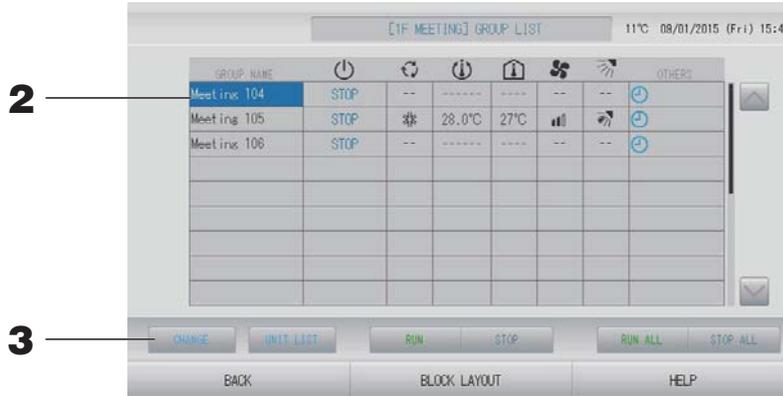
- If the BACK button is pressed, it returns to the previous screen.
- If individual lock/unlock is valid in the MAINTENANCE MENU, it is possible to set the remote controller operations to permit or prohibit each item such as run/stop, mode and temperature setting.
- When individual lock/unlock are valid in the MAINTENANCE MENU, remote controller operations are prohibited if run/stop, mode and temperature setting are all . (Some functions, such as reset of the filter sign have been permitted.)
- RUN is indicated when at least one unit is running.
Malfunctions are indicated when at least one unit is not in good condition.
STOP is indicated when all the units have stopped.
HOME LEAVE is indicated when at least one unit is set for home leave.
- Operating mode, temperature setting, room temperature, fan speed and air direction show the state of the representative unit.
- Groups that have the current day's schedule settings show .
- icon is displayed when at least one unit needs cleaning filter.
- icon is displayed when at least one unit needs maintenance.
- icon is displayed when the group is the target for energy saving.
- icon is displayed when the group is the target for silent mode.

■ The following method can also be used to set and change operations on each group.

<When making settings or changes in the GROUP LIST screen>

1. Press the **GROUP LIST** button in the **BLOCK LAYOUT** screen.  page 14

[GROUP LIST screen]



2. Press the name of the group for which settings or changes are to be made.

The group name is reverse highlighted. To change the page, press the  or  button.

3. Press the **CHANGE** button.

The CHANGE GROUP screen is displayed. Make the settings or changes.

 page 15

Note

- If the BACK button is pressed, it returns to the previous screen.
- RUN is indicated when at least one unit is running. Malfunctions are indicated when at least one unit is not in good condition. STOP is indicated when all the units have stopped. HOME LEAVE is indicated when at least one unit is set for home leave. Operating mode, temperature setting, room temperature, fan speed and air direction show the state of the representative unit.
- Groups that have the current day's schedule settings show .
-  icon is displayed when at least one unit needs cleaning filter.
-  icon is displayed when at least one unit needs maintenance.
-  icon is displayed when the group is the target for energy saving.
-  icon is displayed when the group is the target for silent mode.
- The ones which are surrounded by red frames are the items which operations from the remote controller are prohibited in the group settings.
- If the BLOCK LAYOUT button is pressed, the BLOCK LAYOUT screen is displayed.

 page 14

<When making settings or changes in the ALL GROUPS screen>

1. Press the ALL GROUPS button on the MENU.  page 9

[ALL GROUPS screen]



2. Press the name for the group to set or change.

The group name is reverse highlighted.

When the screen switches, the previously selected group name is selected. To change the page, press the  or  button. By pressing the  or  button, the page moves to the first page or last page.

3. Press the CHANGE button.

The CHANGE GROUP screen is displayed. Make the settings or changes.

 page 15

Note

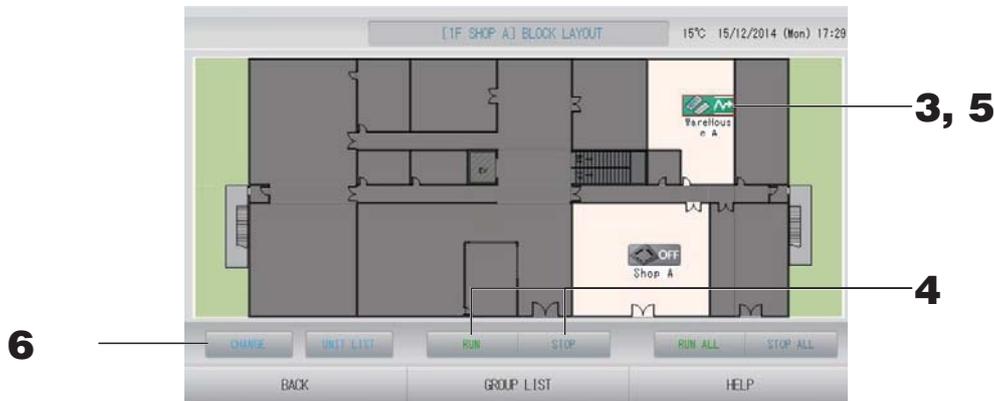
- To display the units in a group, press the UNIT LIST button.  page 30
- To show all blocks, press the ALL BLOCKS button.  page 11
- The ones which are surrounded by red frames are the items which operations from the remote controller are prohibited in the group settings.
- If the MENU button is pressed, the MENU screen is displayed.  page 9

Multiple Groups Operation Settings

This section shows how to operate multiple groups in the same block.

- 1. Press the ALL BLOCKS button on the MENU.**  page 9
- 2. Press the block you wish to set.**
The BLOCK LAYOUT screen is displayed.

[BLOCK LAYOUT screen]



<When running and stopping multiple groups>

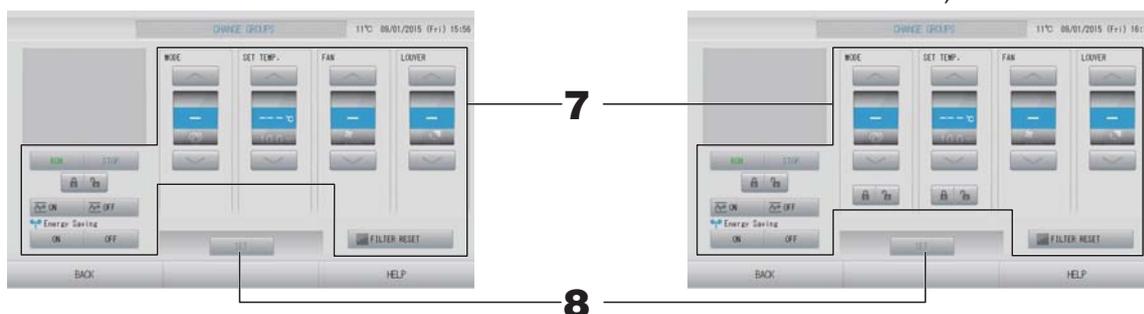
- 3. Press the icons of the groups for which settings are to be made (multiple groups can be selected).**
The frame turns red.
When you want to cancel, please press the icon again.
- 4.**
 - To run units**
Press the **RUN** button, and press the **Yes** button on the confirmation screen.
The selected groups start running.
 - To stop units**
Press the **STOP** button, and press the **Yes** button on the confirmation screen.
The selected groups stop running.
When you do not want to set, press the **No** button.

<When making settings and changes on multiple groups>

- 5. Press the icons of the groups for which settings or changes are to be made (multiple groups can be selected).**
The frame turns red.
When you want to cancel, please press the icon again.
- 6. Press the CHANGE button.**
The screen to change groups is displayed. When the screen changes, no items are selected. Set only the items that are to be set or changed.

[CHANGE GROUPS screen]

(Individual lock/unlock settings valid in FUNCTION SETTING)



This function can be applied to the indoor units, which are the model KXE4 or later, and to the wired remote controller, which is the model RC-E1 or later.

7. Press the button for the item to set or change.

- RUN/STOP/HOME LEAVE ON/HOME LEAVE OFF

Press the RUN, STOP,  or  button.

- When the RUN button is selected, the operation starts, and when the STOP button is selected, the operation stops.
- When the  button is selected, Home leave operation starts.
- When the  button is selected, Home leave operation stops.

- MODE

Select  Auto,  Cool,  Dry,  Fan or  Heat by pressing the button.

- Auto Mode can be valid in the FUNCTION SETTING of MAINTENANCE MENU.

 page 68

This function can be applied to the indoor units, which are the cooling/heating free multi KXR, single split PAC.

- SET TEMP.

Press  or .  page 50 (TEMPERATURE RANGE SETTING)

- FAN

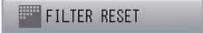
Select  (Powerful),  (High),  (Medium),  (Low), or  (AUTO), and press the button.

- When using automatic mode, valid the AUTO FAN on the FUNCTION SETTING of MAINTENANCE MENU.
- When using powerful mode, select 4-speed for FAN TYPE on the GROUP DEFINITION DETAILS screen.

(Powerful mode)

Operates with the maximum fan speed.

It is suitable for heating or cooling the entire room thoroughly.

- Air direction
Select Auto, stop 1, stop 2, stop 3 or stop 4 and press the button.
- Lock
Press  or .
If  is pressed, remote controller operations are permitted, and if  is pressed, they are prohibited.
- FILTER RESET
If the  button is pressed, the filter sign turns off.
- Energy Saving
Press the ON or OFF button.
 - When the ON button is selected, energy saving operation starts.
 - When the OFF button is selected, energy saving operation stops.
 Use this operation to save energy. A unit shifts its set temperature by outside temperature.  page 51

8. Press the SET button. Press the Yes button on the confirmation screen.

When you do not want to set, press the No button.

Note

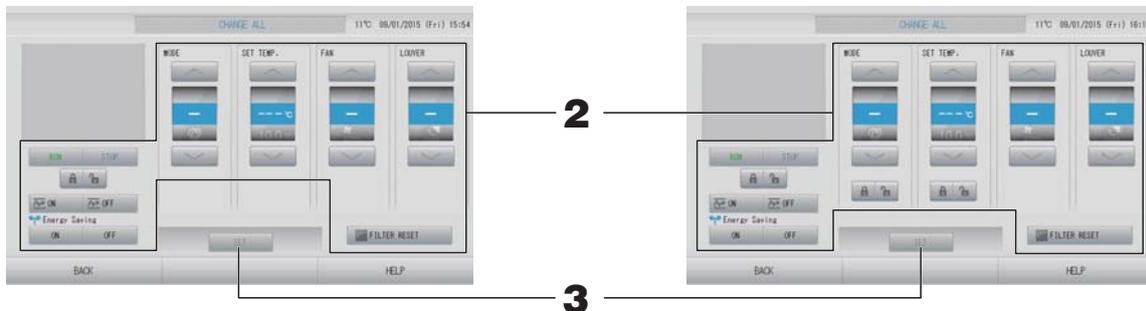
- If the BACK button is pressed, it returns to the previous screen.
- If individual lock/unlock is valid in the MAINTENANCE MENU, it is possible to set the remote controller operations to permit or prohibit each item such as run/stop, mode and temperature setting.
- When individual lock/unlock are valid in the MAINTENANCE MENU, remote controller operations are prohibited if run/stop, mode and temperature setting are all . (Some functions, such as reset of the filter sign have been permitted.)

Group Batch Operation

This section shows how to set or change the detailed setting of Batch Operation.
Set the groups for batch operation in advance.  page 33

1. Press the **CHANGE ALL** button on the **MENU** screen. page 9

[CHANGE ALL screen]



(Individual lock/unlock settings valid in MAINTENANCE MENU)

This function can be applied to the indoor units, which are the model KXE4 or later, and to the wired remote controller, which is the model RC-E1 or later.

Note

When the screen changes, no items are selected. Set only the items that are to be set or changed.

2. Press the button for item to set or change.

- RUN/STOP/HOME LEAVE ON/HOME LEAVE OFF

Press the RUN, STOP,  or  button.

– When the RUN button is selected, the operation starts, and when the STOP button is selected, the operation stops.

– When the  button is selected, Home leave operation starts.

– When the  button is selected, Home leave operation stops.

- MODE

Select  Auto,  Cool,  Dry,  Fan or  Heat by pressing the button.

– Auto Mode can be valid in the FUNCTION SETTING of MAINTENANCE MENU.

 page 68

This function can be applied to the indoor units, which are the cooling/heating free multi KXR, single split PAC.

- SET TEMP.

Press  or .  page 50 (TEMPERATURE RANGE SETTING)

- FAN
Select  (Powerful),  (High),  (Medium),  (Low), or  (AUTO), and press the button.
 - When using automatic mode, valid the AUTO FAN on the FUNCTION SETTING of MAINTENANCE MENU.
 - When using powerful mode, select 4-speed for FAN TYPE on the GROUP DEFINITION DETAILS screen.

 **(Powerful mode)**

Operates with the maximum fan speed.

It is suitable for heating or cooling the entire room thoroughly.

- Air direction
Select Auto, stop 1, stop 2, stop 3 or stop 4 and press the button.
- Lock
Press  or .
If  is pressed, remote controller operations are permitted, and if  is pressed, they are prohibited.
- FILTER RESET
If the  button is pressed, the filter sign turns off.
- Energy Saving
Press the ON or OFF button.
 - When the ON button is selected, energy saving operation starts.
 - When the OFF button is selected, energy saving operation stops.
 Use this operation to save energy. A unit shifts its set temperature by outside temperature.  page 51

3. Press the SET button. Press the Yes button on the confirmation screen.

When you do not want to set, press the No button.

Note

- If the BACK button is pressed, it returns to the previous screen.
- If individual lock/unlock is valid in the MAINTENANCE MENU, it is possible to set the remote controller operations to permit or prohibit each item such as run/stop, mode and temperature setting.
- When individual lock/unlock are valid in the MAINTENANCE MENU, remote controller operations are prohibited if run/stop, mode and temperature setting are all . (Some functions such as reset of the filter sign have been permitted.)

Schedule Settings

Operating schedules can be set in group units. Sixteen schedules per day can be registered for operating time (in minutes), run/stop, mode, prohibiting remote controller operations, temperature setting, energy saving and silent mode.

Set the detailed daily schedule (weekday, holiday, special 1, special 2) in advance.  page 25

■ Setting the current day's schedule

The operating schedule for the current day is set on each group.

1. Press the **SCHEDULE SETTING** button on the **MENU** screen.  page 9



2. Press the **TODAY'S SCHEDULE** button on the **SCHEDULE SETTING** screen.



3. Press the group name.

Select the group on the Select Group screen.  page 28

<When setting a schedule for the current day>

4. Press the item to be changed on the list.

When "TIME", "  LOCK" or "  (SET TEMP.)" cell are pressed, a detailed setting screen for each item is indicated.  page 28, 29

Change the "  (RUN/STOP)", "  (MODE)", "  (ENERGY SAVING)" or "  (SILENT MODE)" settings by pressing the appropriate item.

To change the page, press the  or  button.

Note

Silent mode : Priority is given to the silence of the outdoor unit. This function cannot be applied to some indoor units.

<When rewriting the schedule displayed for the current day to detailed daily schedule>

5. Select the detailed daily schedule such as WEEKDAY (green), HOLIDAY (red), SPECIAL 1 (blue) or SPECIAL 2 (yellow) button and press it.

Note

Set the operating schedule for the detailed daily schedule in advance.  page 25

6. Press the SET button. Press the Yes button on the confirmation screen.

When you do not want to set, press the No button.

Note

- Press the COPY button when copying the schedule between groups.  page 29
- When the CLEAR button is pressed, all settings of the group are cleared.

■ **Setting a detailed daily schedule**

The detailed daily schedule is set for each group.

The schedule indicates WEEKDAY, HOLIDAY, SPECIAL 1, SPECIAL 2, and the operation can be set for each group.

1. Press the SCHEDULE SETTING button on the MENU screen.  page 9
2. Press the DETAILED DAILY SCHEDULE button on the SCHEDULE SETTING screen.



3. Press the group name.
Select the group on the Select Group screen.  page 28
4. Select the detailed daily schedule such as WEEKDAY (green), HOLIDAY (red), SPECIAL 1 (blue) or SPECIAL 2 (yellow) button and press it.

5. Press the item to be changed on the list.

When "TIME", "🔒 LOCK" or "⏸ (SET TEMP.)" cell are pressed, a detailed setting screen for each item is indicated.  page 28, 29

Change the "🔌 (RUN/STOP)", "🔄 (MODE)", "🌿 (ENERGY SAVING)" or "🌙 (SILENT MODE)" settings by pressing the appropriate item.

To change the page, press the ⏪ or ⏩ button.

6. Press the SET button. Press the Yes button on the confirmation screen.

When the CLEAR button is pressed, the selections are cleared.

Note

- Press the COPY button when copying the schedule between groups.  page 29
- When the CLEAR button is pressed, all settings of the group are cleared.

■ Setting a yearly schedule

A yearly operating schedule is set on each group.

Note

As the configured settings do not apply to the following year, new configuration is required for each year.

1. Press the **SCHEDULE SETTING** button on the **MENU** screen.  page 9
2. Press the **YEARLY SCHEDULE** button on the **SCHEDULE SETTING** screen.



3. Press the group name.
Select the group on the Select Group screen.  page 28
4. Select the detailed daily schedule such as **WEEKDAY** (green), **HOLIDAY** (red), **SPECIAL 1** (blue) or **SPECIAL 2** (yellow) button and press it.

Note

Set the detailed daily schedule in advance.  page 25

5. Press the date (multiple dates can be selected).
The detailed daily schedule which you choose is applied to that day. However, the current day and the dates which have elapsed can not be selected. Press the  or  button to change the month.

Note

If the **DEFAULT** button is pressed, Saturday and Sunday are set as holidays and the others are set as weekdays.

6. Press the **SET** button. Press the **Yes** button on the confirmation screen.
When you do not want to set, press the **No** button.

Note

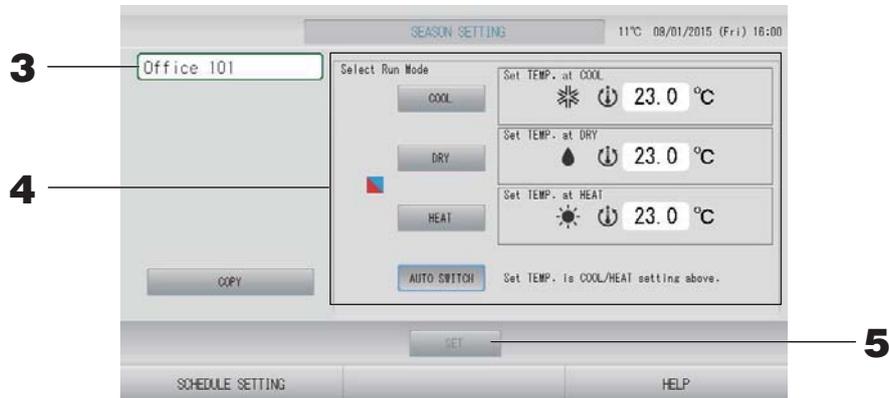
Pressing the **COPY** button brings up the Copy Schedule screen when copying between groups.  page 29

■ Season Settings

Configure the mode setting when you have selected “SEASON” mode in the schedule settings.

Selecting “SEASON” mode valid you to subsequently change the operating mode and temperature setting collectively at the turn of each season.

1. Press the **SCHEDULE SETTING** button on the **MENU** screen.  page 9
2. Press the **SEASON SETTING** button on the **SCHEDULE SETTING** screen.



3. Press the **group name**.
Select the group on the Select Group screen.

4. Select mode

- **COOL** button:
When COOL is selected, set the operating mode of the group, for which “ (SEASON)” is selected in the schedule, to cooling, and you can set the temperature.
 page 50 (TEMPERATURE RANGE SETTING)
- **DRY** button:
When DRY is selected, set the operating mode of the group, for which “ (SEASON)” is selected in the schedule, to drying, and you can set the temperature.
 page 50 (TEMPERATURE RANGE SETTING)
- **HEAT** button:
When HEAT is selected, set the operating mode of the group, for which “ (SEASON)” is selected in the schedule, to heating, and you can set the temperature.
 page 50 (TEMPERATURE RANGE SETTING)
- **AUTO SWITCH** button:
When AUTO SWITCH is selected, SL4 set the operation mode of the group, for which “ (SEASON)” is selected in the schedule, to auto switch*, and set temperature is decided by setting the temperature of COOL or HEAT in this screen.
* The operation mode of the unit is decided by the outside temperature.
 page 51, 63

5. Press the **SET** button. Press the **Yes** button on the confirmation screen.

If you do not want to make the setting, press the No button.

Note

Pressing the COPY button brings up the Copy Schedule screen when copying between groups.

 page 29

Various screens

■ Select Group screen



1. Press the group name to be selected.

The selected group name is reverse highlighted.

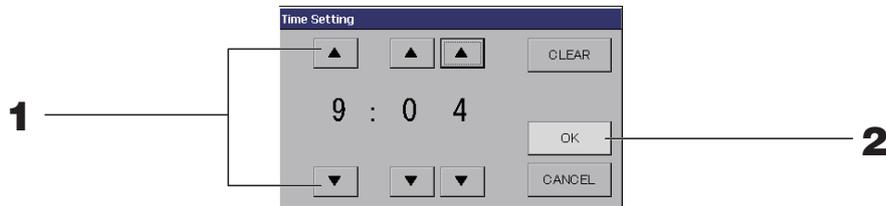
To change the page, press the PREV or NEXT button.

2. Press the OK button.

The selected group can be set.

When you do not want to set, press the CANCEL button. It returns to the previous screen.

■ Time Setting screen



1. Pressing ▲▼ changes the hour and minutes (24 hour clock display).

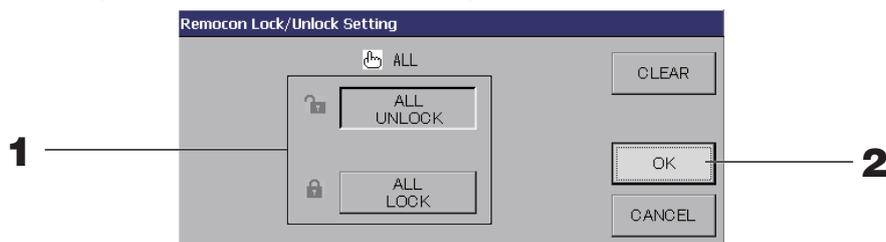
2. Press the OK button.

The time is changed and the screen closes. Press the CANCEL button to cancel the change.

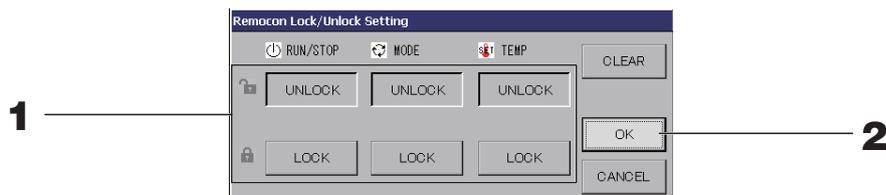
Pressing the CLEAR button clears the currently entered values and makes the entry empty.

■ Remote Controller Lock/Unlock screen

This is used to allow or prohibit remote controller operations.



(Individual lock/unlock settings valid in MAINTENANCE MENU)



1. Press the button of the items (multiple items can be selected).

When individual lock/unlock are valid in the MAINTENANCE MENU, remote controller operations are prohibited if run/stop, mode and temperature setting are all LOCK. (Some functions, such as reset of the filter sign have been permitted.)

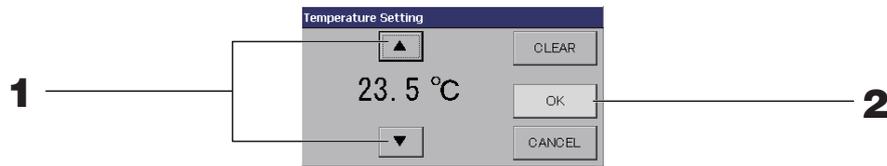
2. Press the OK button.

The prohibited item changes and the screen closes.

Press the CANCEL button to cancel the change.

If the CLEAR button is pressed, the selected item is deselected.

■ Temperature Setting screen



1. Pressing ▲▼ changes the temperature.

2. Press the OK button.

The temperature changes and the screen closes.

Press the CANCEL button to cancel the change.

Pressing the CLEAR button clears the currently entered values and makes the entry empty.

■ Copy Schedule screen

Select the groups that apply the chosen schedule.



1. Press the group name to be selected (multiple groups can be selected).

To change the page, press the PREV or NEXT button.

To select all groups, press the ALL GROUPS button. If you will cancel selecting all groups, press the ALL GROUPS button again.

2. Press the COPY button. Press the Yes button on the confirmation screen.

The schedule of the group chosen on the screen is pasted to the groups checked in the list. When you do not want to make the setting, press the No button.

Note

- This is cancelled if the selected group is pressed once more.
- If the CANCEL button is pressed, it returns to the previous screen.

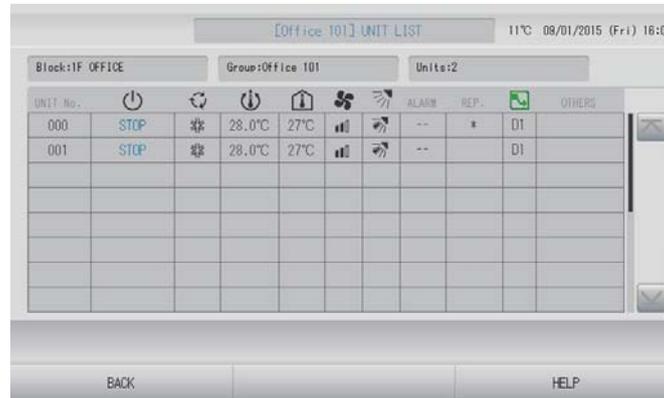
Viewing Detailed Unit Information

The unit numbers and status of each group can be observed.

1. Press the **UNIT LIST** button in the **ALL GROUPS** screen (☞ page 18) or if the **UNIT LIST** button is pressed in the **BLOCK LAYOUT** or **GROUP LIST** screen (☞ page 14, 17).

The units in the group are displayed.

To change the page, press the ◀ or ▶ button.



Note

- If the **BACK** button is pressed, it returns to the previous screen.
- **UNIT No.** display may differ from the figuration. (Same as every other screen) Display is changed according to the SL communication system (☞ page 69).

Previous SL) [3-04]

New SL) [005]

Superlink No. ⬆ ⬆ unit address

⬆ unit address

Calculating Settings (SC-SL4-BE only)

■ Setting the unit definition

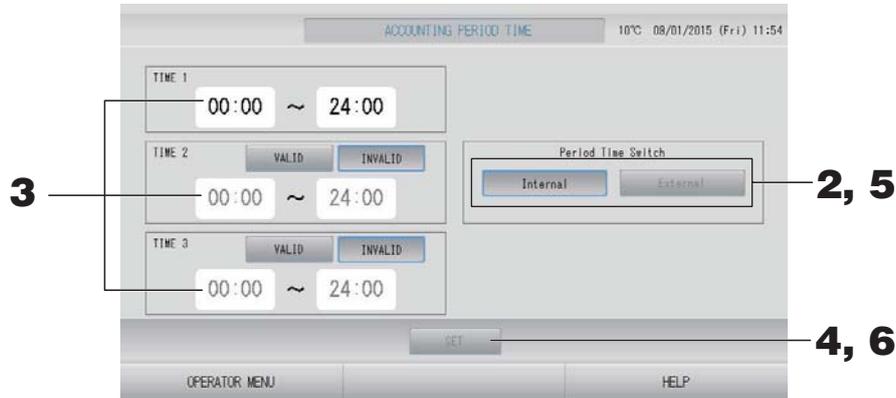
Set the unit definition on the MAINTENANCE MENU.  page 61

If you want to change the initial settings configured at the time of installation, contact your dealer.

■ Setting the period for calculation

1. Press the ACCOUNTING PERIOD TIME button on the OPERATOR MENU screen.

 page 10



<When you choose “Internal” for Period Time Switch>

You can divide a day into four periods for calculation.

If it is not necessary to divide the period into four parts, you can set 0:00 - 24:00 as TIME 1.

2. Press the Internal button.

3. Press the hour and minute buttons for the start time or the end time.

Input the time.

When you input TIME 2 or TIME 3, press the VALID button.

4. Press the SET button. Press the Yes button on the confirmation screen.

When you do not want to set, press the No button.

Note

- TIME 4 is all time except TIME 1, 2 and 3.
 - Example 1
If you set 8:00-17:00 as TIME 1, TIME 4 is 0:00-8:00 and 17:00-24:00.
 - Example 2
If you set 8:00-12:00 as TIME 1, 12:00-17:00 as TIME 2 and 17:00-24:00 as TIME 3, TIME 4 is 0:00-8:00.

<When you choose “External” for Period Time Switch>

You can set the accounting period time by using the external input.  page 71

5. Press the External button.

6. Press the SET button. Press the Yes button on the confirmation screen.

When you do not want to set, press the No button.

Caution

The energy consumption calculated by this unit does not conform to OIML, and there are no guarantees concerning the results of the calculations.

This unit calculates only energy consumption distribution (gas, electric power). You need to calculate the air-conditioning rates.

The calculating data for twelve months are saved.

See page 44 (Using USB Memory) for the method for extracting calculating data.

Note

If the OPERATOR MENU button is pressed, it returns to the OPERATOR MENU screen.

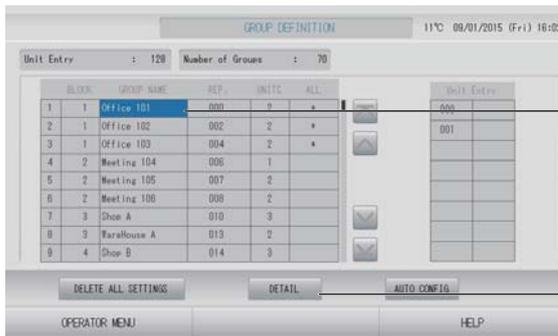
Initial Settings

Group Definition

■ Selecting the groups to register and display the registered units

1. Press the OPERATOR MENU button on the MENU.  page 9
2. Press the GROUP DEFINITION button on the OPERATOR MENU screen.  page 10

[GROUP DEFINITION screen]



(Initial GROUP DEFINITION screen)



3

4

Initial GROUP DEFINITION screen may vary according to the SL communication system. (Example for previous SL setting)

1 - 00

Superlink No. Unit address

(Example for new SL setting) 005

Unit address

One indoor unit is registered with one group in advance on the initial screen.

When registering the indoor unit to other groups, register it with other group after deleting it from the group, and moving it in the list of ALL UNITS.

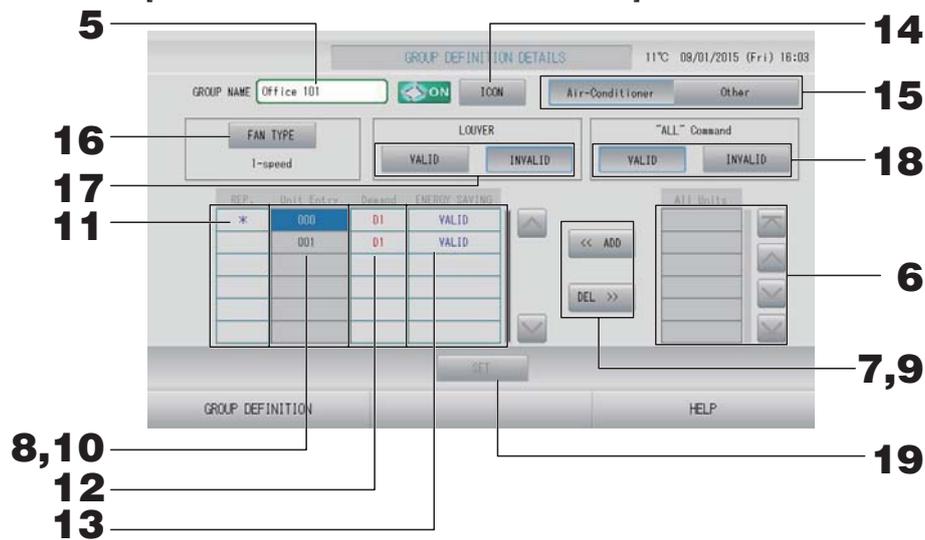
3. Press a group name.

When adding a group, press an empty group name area. When changing the settings for a registered group, press that group name. The selected group is reverse highlighted. To change the page, press the  or  button.

4. Press the DETAIL button.

The GROUP DEFINITION DETAILS screen is displayed.

[GROUP DEFINITION DETAILS screen]



■ Registering and changing the Group Name being set

5. Press the Group Name.

Enter the name for the group. page 42

■ Adding and deleting units making up the group

- When adding units

6. Press an unit address to select the unit from the list of All Units.

To change the page, press the or button.

7. Press the ADD button.

The selected unit is added to the list of Unit Entry and deleted from the list of All Units.

- When deleting units

8. Press an unit address to select the unit from the list of Unit Entry.

9. Press the DEL button.

The selected unit is deleted from the list of Unit Entry and moved to the list of All Units.

■ Setting the representative unit, demand and energy saving

10. Press an unit name to select the unit from the list of Unit Entry.

11. Press the Rep. cell.

That unit is set as the representative unit, and an asterisk(*) is placed to the left of its name in the display.

- Representative unit: unit for which the status is shown when the group is displayed

12. Press the Demand cell.

That unit is set as for the demand operation, and a mark such as D1, D2, or D3 is placed to the right of its name.

- Demand:

A unit shifts its set temperature by 2 deg C or switches to fan mode when there is an external demand input, and then cannot be operated from the remote controller.

Note

- By the demand input, it is possible to save on power costs by reducing the power consumption.
 - When demand input is released, you can set whether or not to conform operation of the unit to nearest schedule before release time of the day.  page 71
 - In case schedule of the day is not set, it will be the operation mode, set temperature and remote controller permission/prohibition setting which is just before the demand input.
 - Up to three demand levels can be set. In level 1, the set temperature of the air conditioner set to D1 shifts by 2 deg C (+2 deg C in cooling or dry mode or -2 deg C in heating mode). In level 2, the units set to D1 or D2 switch to fan mode. In level 3, the units set to D1, D2, or D3 switch to fan mode.
- * To use the demand control, a demand signal must be inputted. For more information, contact your installation contractor or dealer.

13. Press the Energy saving cell.

- VALID: The unit is set for energy saving.

■ Setting Icon for the group

14. Press the ICON button, and select an icon. Press the OK button. When changing the page, press the or button.

Note

Icons can be decided by model of units, when you press AUTO CONFIG button on GROUP DEFINITION screen.

■ Setting Unit type for the group

15. Select Air-Conditioner or Other. When you select “Other”, you can’t set mode, temperature setting, fan and air direction.

■ Setting FAN TYPE for the group

16. Choose a type from 1-speed, 2-speed(Hi-Me), 2-speed(Hi-Lo), 3-speed and 4-speed by pressing FAN TYPE button.

■ Setting and unsetting louver for the group

17. Press the VALID or INVALID button.

- VALID : group which can be set air position
- INVALID : group which cannot be set air position

■ Setting and unsetting “ALL” command for the group

18. Press the VALID or INVALID button.

- VALID: group set up for batch operation
- INVALID: group not set up for batch operation

■ Saving the settings

19. Press the SET button. Press the Yes button on the confirmation screen.

The group settings are saved. When you do not want to save the settings, press the No button.

Note

- When you will delete all group definition, press the DELETE ALL SETTINGS button and enter your password. Press the Yes button on the confirmation screen. **All Schedule settings are deleted too.**
- 1 to 16 units can be registered in a group.

Attention

If an unconnected air conditioner is registered in a group, a “Communication error” may occur, affecting communication of the whole system and causing an unintended operation to be performed. Do not register unconnected units in a group.

Also note that, at the initial setting, one air conditioner is registered in one group in advance. If the unit is an unconnected unit, it must be deleted individually. It is recommended that, when registering new groups, you press the “DELETE ALL SETTINGS” button to delete all groups once, and then register groups for connected units. That certainly is an easier way to configure the settings as well as a sure method to prevent communication errors.

Block Definition

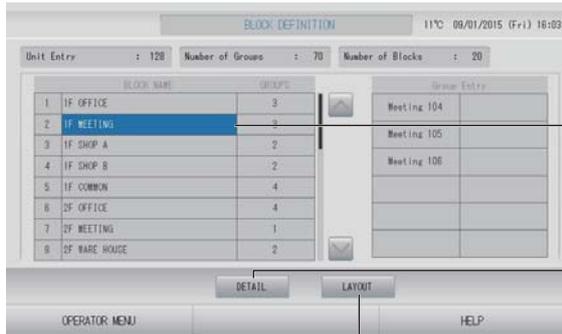
Attention

Register the group beforehand.  page 33

■ Selecting the blocks to define and displaying the registered groups

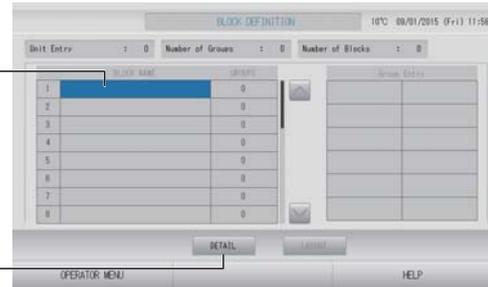
1. Press the OPERATOR MENU button on the MENU screen.  page 9
2. Press the BLOCK DEFINITION button on the OPERATOR MENU screen.  page 10

[BLOCK DEFINITION screen]



11

(Initial BLOCK DEFINITION screen)



When defining a new block, the block names and registered groups are empty.

3. Select a block name.

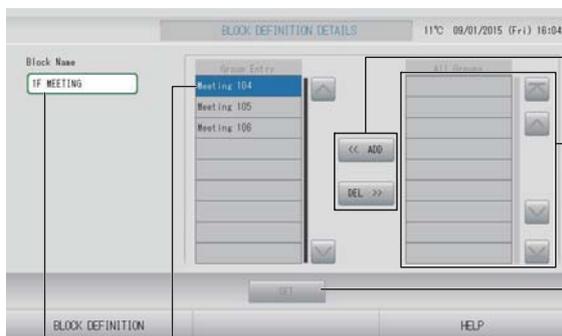
When adding a block, select an empty BLOCK NAME cell. When changing the settings for a registered block, press that BLOCK NAME. The selected block is reverse highlighted. To change the page, press the  or  button.

<When setting the block definition details>

4. Press the DETAIL button.

The BLOCK DEFINITION DETAILS screen is displayed.

[BLOCK DEFINITION DETAILS screen]



5

8

7,9

6

10

(Initial BLOCK DEFINITION DETAILS screen)



When defining a new block, the block names and group entry area are empty.

■ Registering and changing the Block Name being set

5. Press the BLOCK NAME button.

Enter the name for the block.  page 42

■ Adding and deleting groups registered in a block

- When adding groups

6. Press the group name to select the group from the list of All Groups.

When changing the page, press the  or  button.

7. Press the ADD button.

The selected group is added to the group entry list and deleted from the list of All Groups.

- When deleting groups

8. Press the group name to select the group from the list of Group Entry.

9. Press the DEL button.

The selected group is deleted from the list of Group Entry and moved to the list of All Groups.

■ Saving the registrations and changes

10. Press the SET button. Press the Yes button on the confirmation screen.

The block settings are saved. When you do not want to save the settings, press the No button.

Note

1 to 12 groups can be registered in a block. In addition, the maximum number of blocks is 20.

<When setting the block layout>

11. Press the LAYOUT button on the BLOCK DEFINITION screen. The LAYOUT DETAILS screen is displayed.



■ Importing layout file

12. Insert your USB memory into SL4 and press the IMPORT LAYOUT button.

By pressing DELETE LAYOUT button, displayed layout is deleted and a default layout is displayed.

13. Select a folder that contains the file for layout on the Folder selection screen.

14. Press the jpeg file of layout to be selected.

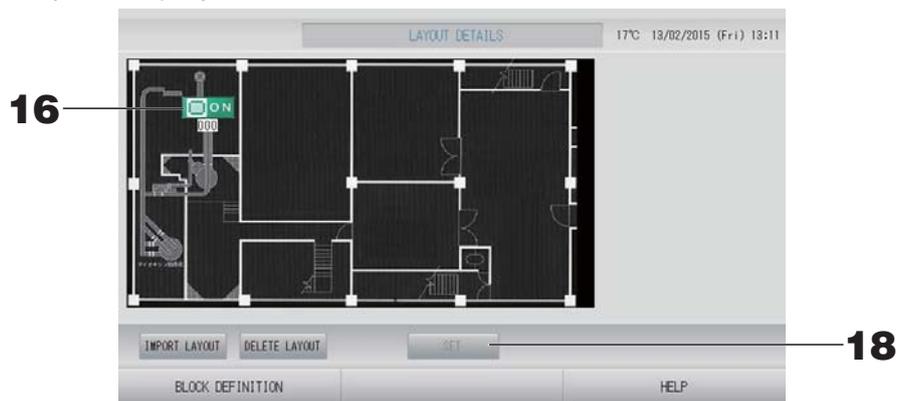
To change the page, press the PREV button or NEXT button.

Note

The file for layout is jpeg file (.jpg) only. Max size is 780 (width) × 315 (height) pixel.

15. Press the OK button.

Selected layout displays.



■ Arranging icons

16. Press group icon.

Red outline shows that the group is selected.

17. Press an area to move the group icon.

The group icon moves.

Note

You can't arrange icons for default layout.

■ Saving the registrations and changes

18. Press the SET button. Press the YES button on the confirmation screen.

Time & Date Setting

1. Press the MENU button and then press the OPERATOR MENU button.  page 9
2. Press the TIME & DATE SETTING button on the OPERATOR MENU screen.  page 10



<When setting current time>

3. Press the Day, Month, Year, Hour and Min buttons.
Input the current time and date.  page 42
4. Press the SET button.
 - Press the Yes button on the confirmation screen, when you want to re-perform the schedule settings after clock adjustment.
 - Press the No button on the confirmation screen, when you do not want to re-perform the schedule settings after clock adjustment.

The specified date and time are set at the 00 seconds. When you do not want to make the setting, press the Cancel button.

Note

It is not necessary to reset the time and date after recovering from a power outage.

<When setting the detail of time (time zone, NTP or summer time)>

5. Press the DETAILS button.

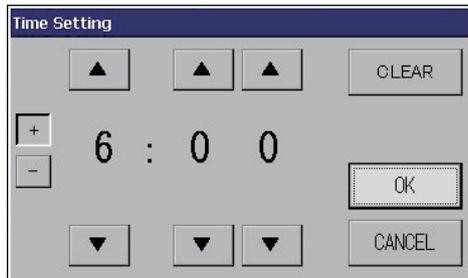
TIME & DATA SETTING DETAILS screen is displayed.



• Time Zone

6. Press Time Zone.

Time Setting screen is displayed. Input time difference from UTC (Universal Time, Coordinated).



• NTP

7. Select VALID or INVALID.

When you select VALID, please input IP Address of NTP server.

• Summer Time

8. Select VALID or INVALID.

Input Start time and End time of summer time when you select VALID.

Note

The clock is shifted forward one hour when summer time starts.

9. Press the SET button and press the YES button on the confirmation screen.

When you do not want to make the setting, press the No button.

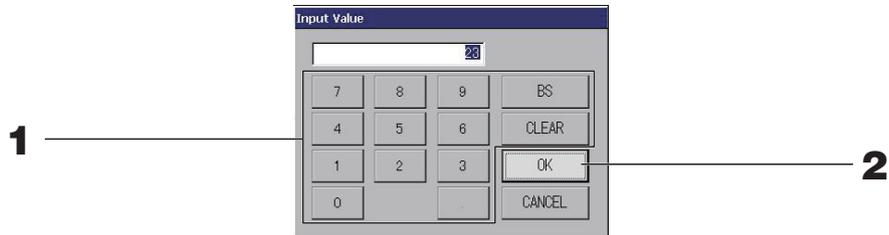
Note

When you set the NTP to “VALID”, please be sure to set a time zone. It can adjust the time automatically.

Convenient Functions

Entering Numbers and Characters

■ Entering numbers



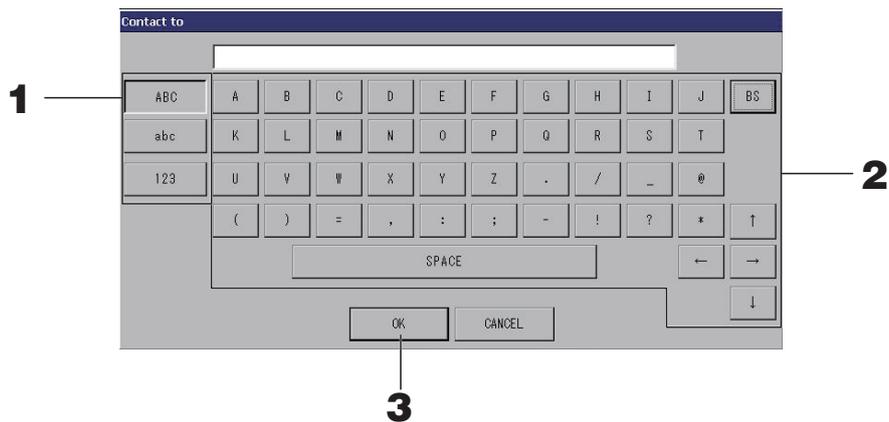
1. Press the button of the numerical value to input.

BS button : backspaces. (Deletes one number.)
CLEAR button : clears the input. (Deletes all numbers.)

2. Press the OK button.

The number is changed and the screen closes. Press the Cancel button to cancel the change.

■ Entering characters



1. Select Alphabet or Numeric and press the button.

2. Input the group name.

ABC button : Inputs an uppercase alphabet character.
abc button : Inputs a lowercase alphabet character.
123 button : Inputs a number or symbol.
BS button : Backspaces. (Deletes one character.)
SPACE button : Inputs a space.
← → ↑ ↓ buttons : Moves the cursor.

3. Press the OK button.

The name is changed and the screen closes. Press the Cancel button to cancel the change.

- The block or the group names can be inputted up to 16 characters.

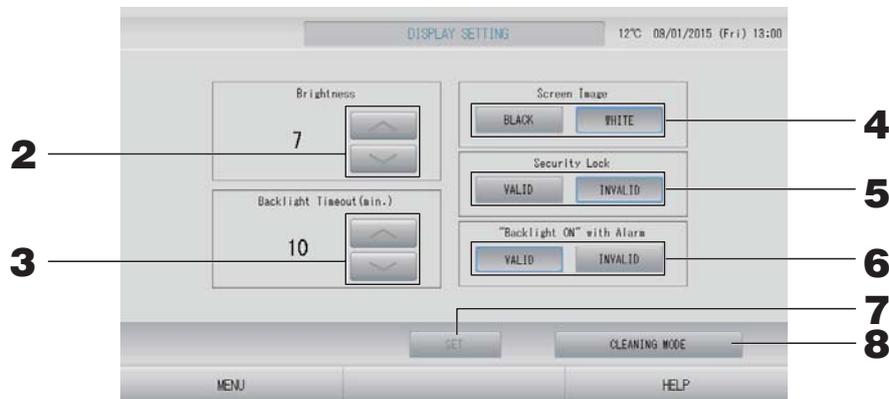
Display Setting

The brightness and backlight timeout settings can be configured, and the mode can be switched to screen cleaning.

When changing the settings, take the following steps.

1. Press the **DISPLAY SETTING** button on the **MENU** screen.  page 9

[DISPLAY SETTING screen]



2. Select the **Brightness** using the   buttons. (Factory default : 7)
Brightness for the monitor backlight can be selected.
3. Select the **Backlight Timeout** time using the   buttons. (Factory default : 10)
Time from the last operation on the touch panel until the monitor backlight turns off can be selected.
4. Select the **Screen Image**. (Factory default : BLACK)
You can select BLACK or WHITE of screen image.
5. Select the **Security Lock**. (Factory default : INVALID)
You can valid or invalid the Security Lock.
When the security lock is valid, the ID and password are required to return from the off status of the backlight.
This enhances the security function.
6. Select the **"Backlight ON" with Alarm**. (Factory default : VALID)
You can valid or invalid the "Backlight ON" with Alarm.
If you select "VALID", The backlight turns on when one or more units stop with alarm.
7. Press the **SET** button.
Pressing the SET button applies the setting.

<When cleaning the screen>

8. Press the **CLEANING MODE** button.
The mode is switched to screen cleaning.

Corrections for Power Outage

■ Data retained during a power outage

- Each settings by SL4 (except flap control)
- Each data by SL4 before a power outage

■ Data lost at a power outage

- Operating and setup status of each indoor unit before a power outage (including operating mode, temperature setting, and remote controller permit/prohibit setting)
- Alarm history

When the power returns, the operation of each group will follow the closest schedule setting made before the power returned. In case there are no settings of run/stop, operating mode, prohibiting remote controller operation and temperature setting, energy saving and silent mode in the closest schedule setting, it will follow the second closest schedule setting made.

In case there are no schedule settings on that day, this central control will not send any operation signal to each group.

You do not need to reset the clock after a power outage.

Using USB Memory

Attention

- Be sure to use the bundled USB memory.
- Be sure to perform these operations after inserting the USB memory into the unit.
 page 5
- The calculating data for twelve months are saved. Please save it to a PC through the USB memory within twelve months.
- Do not operate while the display light of the USB memory is blinking fast.
You may perform your operations or remove the USB memory only when the display light is blinking slowly.
If the USB memory you use does not have a blinking light, please wait for a moment after each operation.
Remove the USB memory only after all operations have been completed.

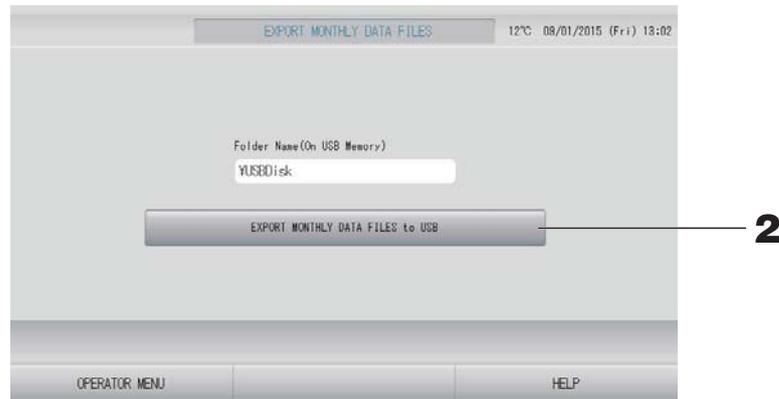
Important!!

Be sure to use the bundled USB memory device. (The central control does not recognize commercially available USB memory devices and cannot transfer data to them.)

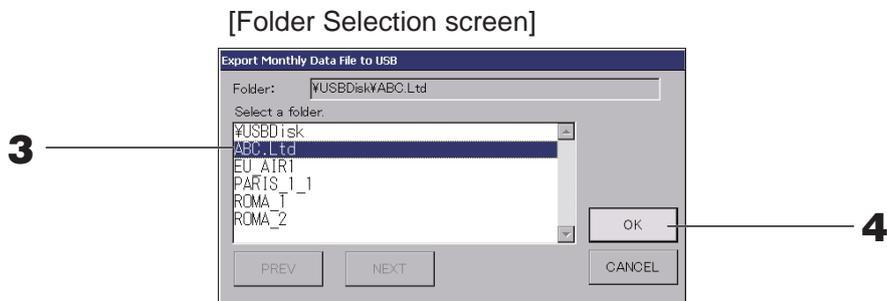
Transferring Monthly Data

It is convenient if folders are created in the USB memory in advance.

1. Press the **EXPORT MONTHLY DATA FILES** button on the **OPERATOR MENU**.



2. Press the **“EXPORT MONTHLY DATA FILES to USB”** button.
Select the folder on the Folder Selection screen.



3. Press the folder to be selected.
To change the page, press the PREV or NEXT button.

Note

You can create a new folder by inputting Folder Name (On USB Memory).

4. Press the **OK** button.
A confirmation screen (Calculating data file export confirmation screen) is displayed. Press the **“OK”** button on the screen.
If the **CANCEL** button is pressed, it returns to the previous screen.

Note

See the bundled CD-ROM for calculating on a PC.

Important!!

Calculation Data:

- (1) Follow the above procedure to transfer the calculating data to USB memory.
 - (2) Remove the USB memory from the central control and connect it to a PC.
 - (3) Insert the CD-ROM that was bundled with this unit into the PC and start the software.
 - (4) Operate the software according to the CD-ROM menu.
- * There is no need to have the USB memory connected to this unit at all times.
* After installing the calculating data software, steps (3) and (4) are unnecessary. Operate the software with reference to the manual on the CD-ROM.

Operation Time History

The OPERATION TIME HISTORY screen displays a graph showing the accumulated daily operation time for 31 days by the group.

1. Press the **OPERATION TIME HISTORY** button on the **MENU** screen.  page 9



2. **Select a group.**

Select a group for which you want to view the accumulated operation time.

Press a group to select. The selected group is displayed.

3. **Select a date.**

Select a date for which you want to view the accumulated time.

Select a date using   button.

<When saving the data>

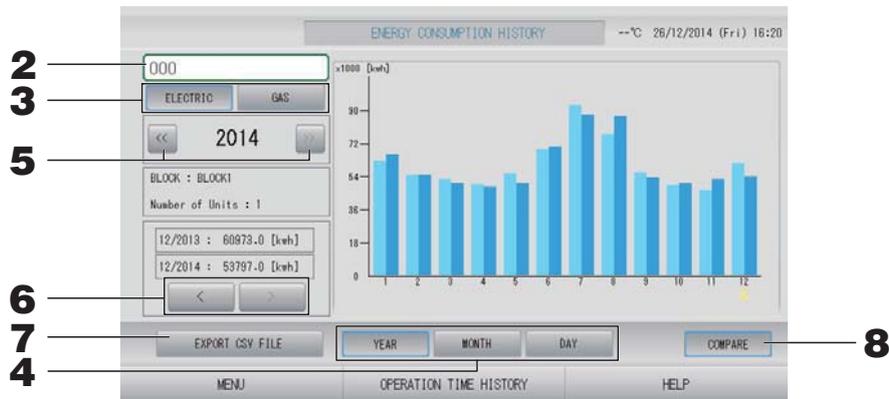
4. **Press the EXPORT CSV FILE button.**

Save a CSV format data file of the accumulated operation time of the selected group as well as of all other groups to the USB memory device.

Energy Consumption History (SC-SL4-BE only)

1. Press the ENERGY CONSUMPTION HISTORY button on the OPERATION TIME HISTORY screen.  page 46

[ENERGY CONSUMPTION HISTORY screen]



2. Select a group.

Select a group for which you want to view the accumulated consumption.
Press a group to select. The selected group is displayed.

3. Select ELECTRIC or GAS.

4. Select YEAR, MONTH or DAY.

5. Select a time.

6. Select a time for which you want to view the accumulated consumption using   button.

<When saving the data>

7. Press the EXPORT CSV FILE button

Save a CSV format data file of the accumulated consumption of the selected group to the USB memory device.

<When comparing current year to previous year>

8. Press COMPARE button.

When you select YEAR, you can compare this year's data to the previous year's data.

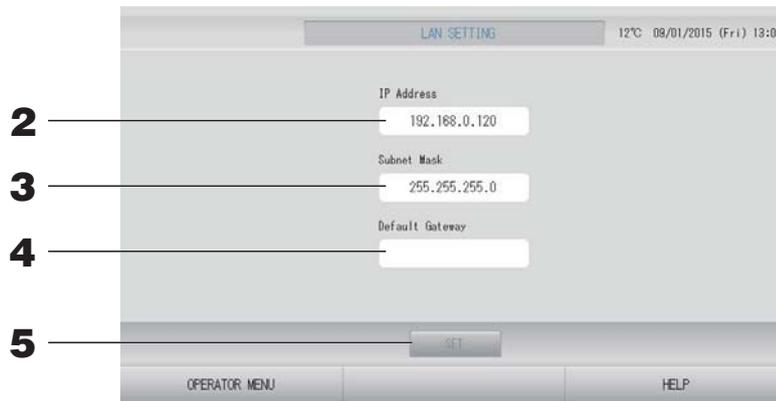
Note

It may take time to display the screen.

LAN Settings

You can set the IP address, subnet mask and gateway address of the central control.

- 1. Press the LAN SETTING button on the OPERATOR MENU screen.**  page 10



- 2. Setting and viewing the IP Address (Factory default: 192.168.0.120)**
Specify the IP address of the central control.
Press an IP address to set. The IP address is displayed.
- 3. Setting and viewing the Subnet Mask (Factory default: 255.255.255.0)**
Specify the subnet mask of the central control.
Press a subnet mask to set. The subnet mask is displayed.
- 4. Setting and viewing the Default Gateway Address (Factory default: Blank)**
Specify the Default Gateway address of the central control.
Press a Default Gateway address to set. The Default Gateway address is displayed.
- 5. Press the SET button.**
Press the Cancel button to cancel the change.
 - Pressing the OPERATOR MENU button returns to the OPERATOR MENU.

Note

By setting above, you can use the web monitoring system.

Please refer to the user's manual for the web monitoring system for details.

Operator Settings

Specify the ID, password of the operator.

- 1. Press the OPERATOR SETTING button on the OPERATOR MENU screen.**

☞ page 10



- 2. Setting and viewing the ID**

Specify the operator's ID.

Press ID to input an ID. The input ID is displayed.

- 3. Setting and viewing the Password**

Specify the password of the central control.

Press Password to input a password. The input password is displayed.

- 4. Setting the operator information**

You can specify the operator information.

You can enter text up to 3 lines maximum. When you begin a new line, press the   buttons.

- 5. Press the SET button.**

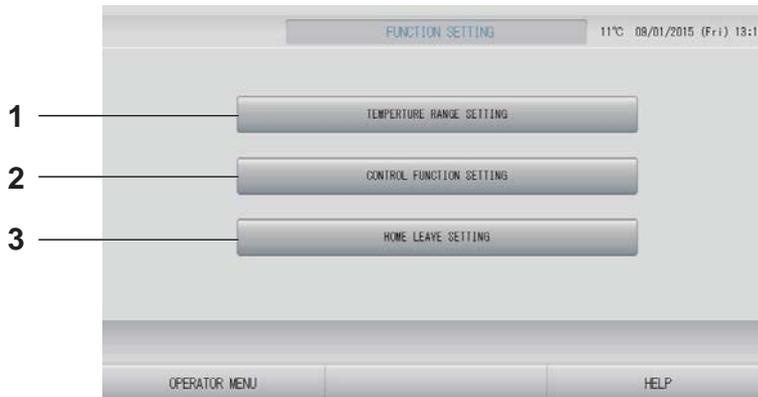
Press the Cancel button to cancel the change.

Note

Up to 16 one-byte alphanumeric characters can be used for the ID, and up to 8 one-byte alphanumeric characters for the password.

Function Setting

You can set temperature range, energy saving setting, auto switch setting and home leave setting. When the FUNCTION SETTING button is pressed on the OPERATOR MENU screen, FUNCTION SETTING screen is displayed.



1. TEMPERATURE RANGE SETTING

You can set upper or lower limit of temperature setting.

3. HOME LEAVE SETTING

You can set the temperature and fan speed for home leave.

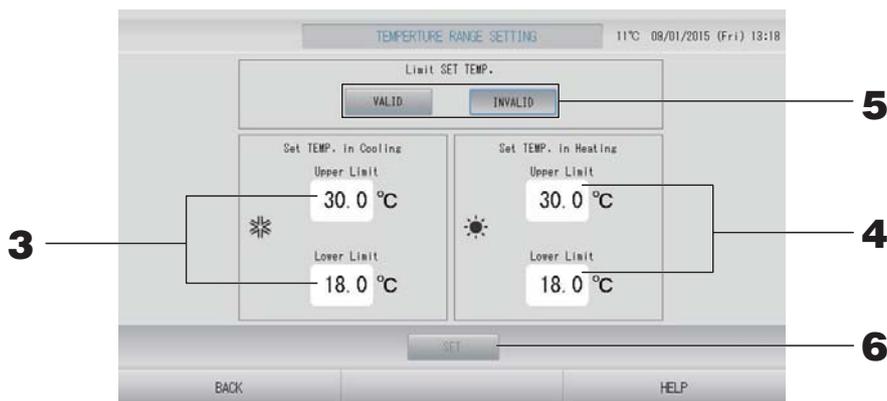
2. CONTROL FUNCTION SETTING

You can set the temperature for energy saving setting and auto switch mode.

Temperature Range Setting

Limited range of setting temperature in the heating or the cooling operation can be selected.

1. Press **FUNCTION SETTING** button on the **OPERATOR MENU** screen.  page 10
2. Press the **TEMPERATURE RANGE SETTING** button on the **FUNCTION SETTING** screen.



3. Press **Upper/Lower limit (°C) of SET TEMP. in Cooling**. Select temperature by pressing  or  button and **OK** button.

If you do not want to make the setting, press the cancel button.

4. Press Upper/Lower limit (°C) of SET TEMP. in Heating. Select temperature by pressing  or  button, and press OK button.

If you do not want to make the setting, press the cancel button.

Setting temperatures can be set in the following ranges.

	Lower limit value	Upper limit value
Cool/Dry/Auto	16 - 18°C	30 - 35°C
Heat	10 - 18°C	22 - 30°C

5. Select VALID or INVALID of Limit SET TEMP.

When you select VALID, the set temperature of the indoor unit which exceeds the upper limit or is lower than the lower limit is changed to the upper or lower limit.

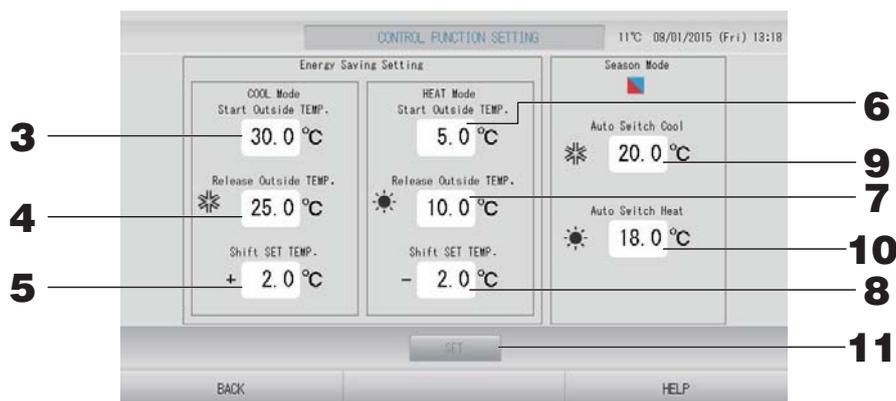
6. Press the SET button. Press the Yes button on the confirmation screen.

When you do not want to set, press the No button.

Control Function Setting

You can set the temperature for energy saving setting and auto switch mode.

1. Press FUNCTION SETTING button on the OPERATOR MENU screen.  page 10
2. Press the CONTROL FUNCTION SETTING button on the FUNCTION SETTING screen.



<Energy Saving setting>

3. Press Start TEMP. (°C) in COOL Mode of Energy saving Setting.
You can set the outside temperature to start the energy saving in cool and dry mode.
4. Press Release TEMP. (°C) in COOL Mode of Energy saving Setting.
You can set the outside temperature to end the energy saving in cool and dry mode.
5. Press Shift SET TEMP. (°C) in COOL Mode of Energy saving Setting.
You can set the shift value of set temperature in cool and dry mode of energy saving setting.
6. Press Start TEMP. (°C) in HEAT Mode of Energy saving Setting.
You can set the outside temperature to start the energy saving in heat mode.
7. Press Release TEMP. (°C) in HEAT Mode of Energy saving Setting.
You can set the outside temperature to end the energy saving in heat mode.

8. Press Shift SET TEMP. (°C) in HEAT Mode of Energy saving Setting.

You can set the shift value of set temperature in heat mode of energy saving setting.

Note

Energy saving : The set temperature of the air conditioner shifts by 1 to 3 deg C (+1 to 3 deg C in cooling or dry mode, or -1 to 3 deg C in heating mode), and remote control set temperature operation is prohibited.

The energy saving setting can be controlled from the SL4 which validates the remote controller permit/prohibit setting.

<Season Mode>

9. Press Auto switch Cool (°C) in Season Mode.

You can set the outside temperature for switching to cool mode for AUTO SWITCH in SEASON SETTING.

10. Press Auto switch Heat (°C) in Season Mode.

You can set the outside temperature for switching to heat mode for AUTO SWITCH in SEASON SETTING.

11. Press the SET button. Press the Yes button on the confirmation screen.

When you do not want to set, press the No button.

Note

Please set so as not to overlap the temperature range of each mode.

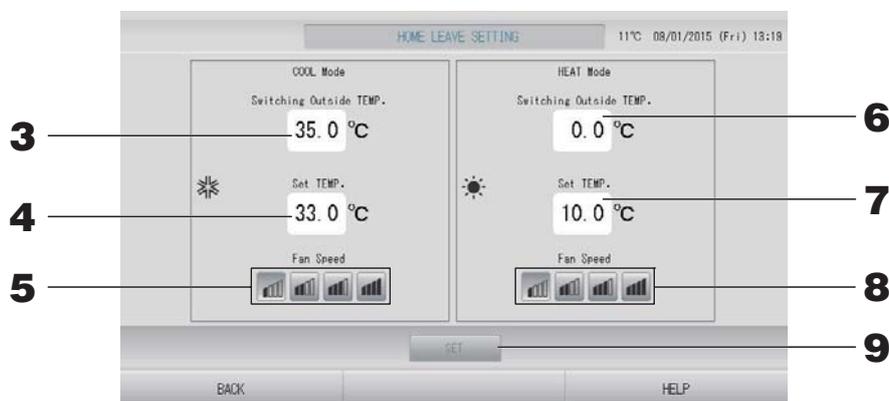
Home Leave Setting

Use this function to maintain the room temperature at a moderate level for avoiding extremely hot or cool after leaving home.

- When the outdoor temperature is high, the home leave mode operates to cool down the room temp to a moderate level in order not to become too hot in the room. When the outdoor temperature is low, it operates to warm up the room temp to a moderate level in order not to become too cold in the room.
- The cooling and heating operations are controlled according to the outdoor air temperature and the set temperature.
- The set temperature and fan speed can be set.

1. Press FUNCTION SETTING button on the OPERATOR MENU screen.  page 10

2. Press the HOME LEAVE SETTING button on the FUNCTION SETTING screen.



3. Press Switching Outside TEMP. (°C) in COOL Mode of home leave.

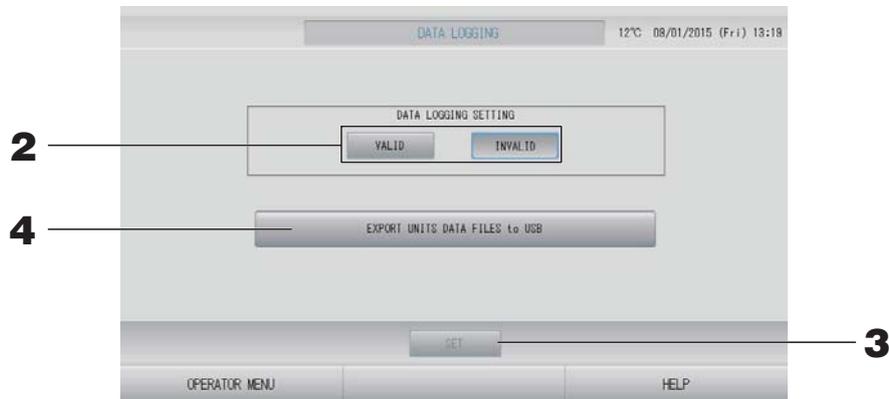
You can set the outdoor temperature to judge the operation mode in cooling.

- 4. Press Set TEMP. (°C) in COOL Mode of home leave.**
You can set the indoor temperature in cooling.
- 5. Select Fan Speed in COOL Mode of home leave.**
You can set the fan speed in cooling mode.
- 6. Press Switching Outside TEMP. (°C) in HEAT Mode of home leave.**
You can set the outdoor temperature to judge the operation mode in heating.
- 7. Press Set TEMP. (°C) in HEAT Mode of home leave.**
You can set the indoor temperature in heating.
- 8. Select Fan Speed in HEAT Mode of home leave.**
You can set the fan speed in heating mode.
- 9. Press the SET button. Press the Yes button on the confirmation screen.**
When you do not want to set, press the No button.

Data Logging

You can record the units' data (run/stop, set temperature, return air temperature for all indoor units and outdoor air temperature for selected outdoor units) of previous month or present month
👉 page 63.

- 1. Press the DATA LOGGING button on the OPERATOR MENU.**



<When saving units' data>

- 2. Press the VALID button.**
- 3. Press the SET button.**

<When stopping recording the units' data>

- 2. Press the INVALID button.**
- 3. Press the SET button.**

<When saving a CSV format data file of units' data>

- 4. Press the EXPORT UNITS DATA FILES to USB button.**

Note

When you change VALID to INVALID, the day's data is erased and can not be restored.

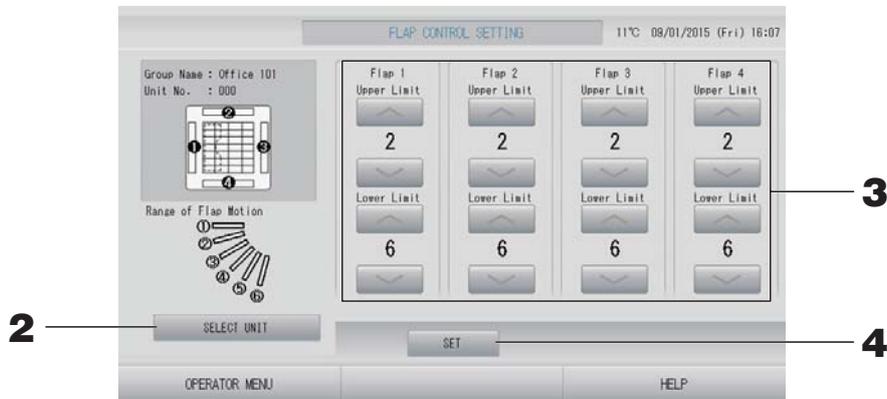
Flap Control Setting

Motion range (upper and lower limit positions) of the flap at each air outlet can be set at a desired range individually.

Caution

When changing contents of the individual flap control, stop the air conditioner.

- 1. Press FLAP CONTROL SETTING button on the OPERATOR MENU.**

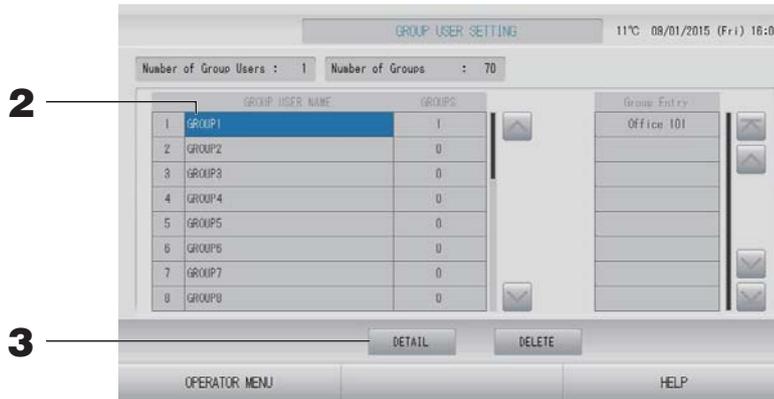


- 2. Press SELECT UNIT button. Select Group and Unit by pressing group name and unit number, and press the OK button.**
Model of unit is being asked. Please wait for a while.
If you do not want to make the setting, press the cancel button.
- 3. Select the upper and lower limit positions of each flap from 1 to 6 for the range of flap motion.**
- 4. Press the SET button.**
When changing the range of flap motion for other unit, repeat **2.** to **4.**

Group User Setting

1. Press the **GROUP USER SETTING** button on the **OPERATOR MENU** screen.

☞ page 10



■ Selecting the group user to register and display the registered groups

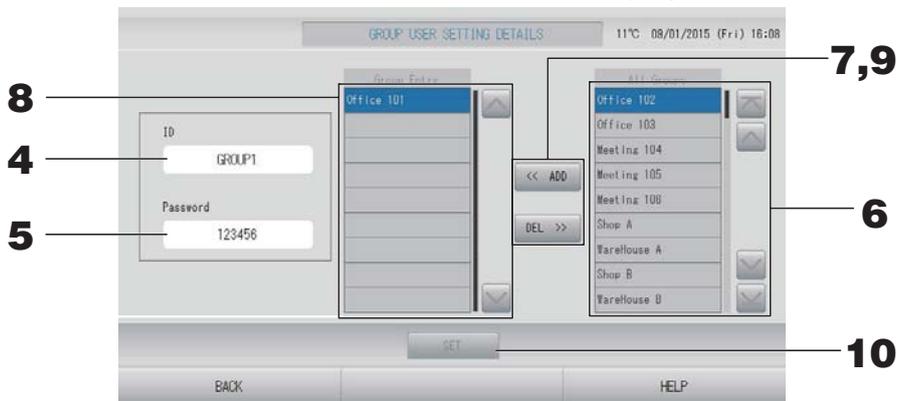
2. Press a group user name.

When adding a group, press an empty group name area.

When changing the settings for a registered group name, press that group user name. The selected group is reverse highlighted. To change the page, press the ▲ or ▼ button.

3. Press the **DETAIL** button.

The **GROUP USER SETTING DETAILS** screen is displayed.



■ Registering and changing the ID and password being set

4. Press the **ID**.

Enter the name for the group user.

5. Press the **Password**.

Enter the password for the group user.

■ Adding and deleting units making up the group

- When adding groups

6. Press a group name from the list of All groups.

When changing the page, press  or  button.

7. Press the ADD button.

The selected group is added to the list of Group Entry and deleted from the list of All Groups.

- When deleting groups

8. Press a group name from the list of Group Entry.

9. Press the DEL button.

The selected group is deleted from the Group Entry and moved to the list of All Groups.

■ Saving the registrations and changes

10. Press the SET button. Press the YES button on the confirmation screen.

The group user setting are saved.

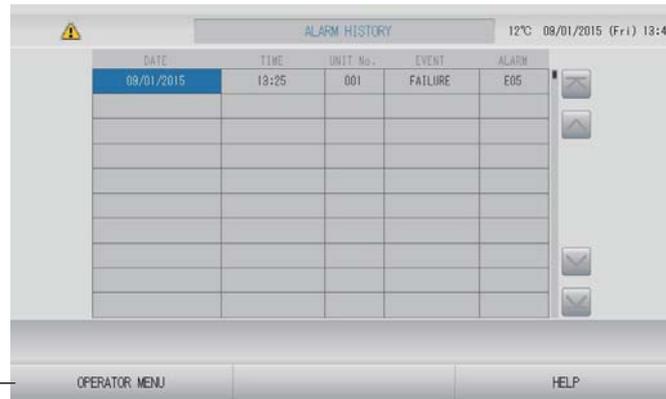
When you do not want to save the settings, press the NO button.

Note

- When deleting a group user, press the DELETE button after selecting a group user.
- Up to 16 one-byte alphanumeric characters can be used for the ID, and up to 8 one-byte alphanumeric characters for the password.
- Same characters can't be set for multiple ID.

Viewing Alarm History

1. Press the **ALARM HISTORY** button on the **OPERATOR MENU** screen.  page 10
Check the content on the **ALARM HISTORY** screen.



2

2. Press the **OPERATOR MENU** button.
It returns to the **OPERATOR MENU** screen.

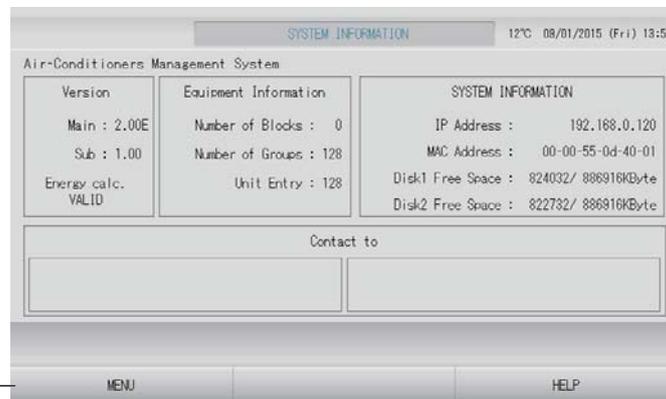
Note

The data is erased when rebooting or power outage.

System Information

The version of the Air-Conditioners Management System being used can be confirmed.

1. Press the **SYSTEM INFORMATION** button on the **MENU** screen  page 9



2

2. After checking the content, press the **MENU** button.
It returns to the **MENU** screen.

Help

1. Press the **HELP** button.
Details about the screen being displayed are shown.
2. Press the **BACK** button.
It returns to the previous screen.

Maintenance

Wipe with a soft, dry cloth to clean. When it is very dirty, excluding the touch panel, use a neutral cleanser dissolved in warm water to wipe it off and afterwards wipe that off with clean water.

Caution

Do not use paint thinner, organic solvents or strong acids.

The color may change and the paint may be removed.

Screen Cleaning Mode

Screen cleaning mode is provided to prevent the touch panel from responding when you touch the screen to clean it.

- 1. Press the CLEANING MODE button on the DISPLAY SETTING screen.**  page 43

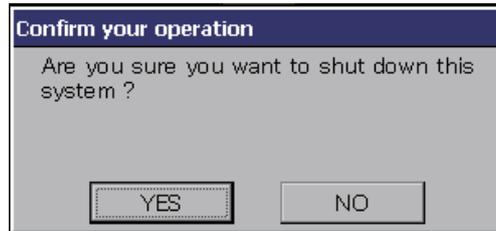


- 2. Canceling the Screen cleaning mode**

Return to previous screen by pressing the button in the order of 1.2.3.4.

Shutdown

The confirmation screen is displayed after the SHUTDOWN button is pressed on the MENU screen and enter your password.  page 9.



When you press the Yes button, the screen switches to the one shown below (a).

Please wait until you get the message that shows "Please switch off the power supply."

When you do not turn the power off, press the No button.

When the screen switches to the one shown below (b), you can turn the power off.



(a)



(b)

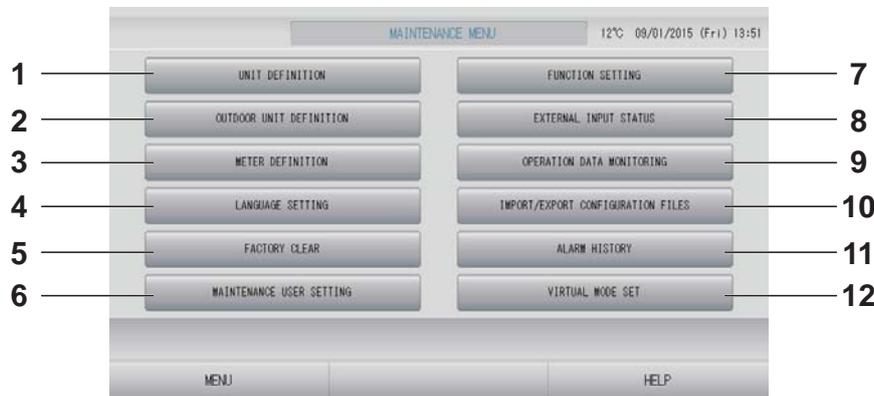
Using MAINTENANCE MENU

The MAINTENANCE MENU is provided for dealers and qualified professionals responsible for maintaining the central control units.

When logging in with a normal operator's ID, you are not permitted to operate the MAINTENANCE MENU.

This screen is displayed when the MAINTENANCE MENU button is pressed on the MENU screen.

☞ page 9



1. UNIT DEFINITION (SC-SL4-BE only)

The type and capability values of the connected indoor units can be specified.

☞ page 62

2. OUTDOOR UNIT DEFINITION

You can choose up to 3 outdoor units for outdoor air temperature. ☞ page 63

3. METER DEFINITION (SC-SL4-BE only)

You can import Meter Group Definition file and Pulse Constant Definition file. ☞ page 66

4. LANGUAGE SETTING

The display language can be specified. You can also read or save language data from/to the USB memory device. ☞ page 72

5. FACTORY CLEAR

You can reset settings to factory default, and initialize definition data, schedule data and operator's ID and password. ☞ page 73

6. MAINTENANCE USER SETTING

The maintenance user ID and password can be changed.

You can also register the maintenance user information. ☞ page 67

7. FUNCTION SETTING

You can set SL MODE, FUNCTION SETTING DETAILS and EXTERNAL INPUT SETTING.

☞ page 68

8. EXTERNAL INPUT STATUS

You can check the statuses of demand settings 1 and 2, the status of the emergency stop contact, and the accumulated number of pulse inputs (eight points) of the current day.

☞ page 71

9. OPERATION DATA MONITORING

You can monitor the operation data.

☞ page 66

10. IMPORT/EXPORT CONFIGURATION FILES

Definition data can be saved to or read from the USB memory device. ☞ page 64

11. ALARM HISTORY

Alarm history can be deleted or saved on the USB memory device. ☞ page 74

12. VIRTUAL MODE SET (New SL Only)

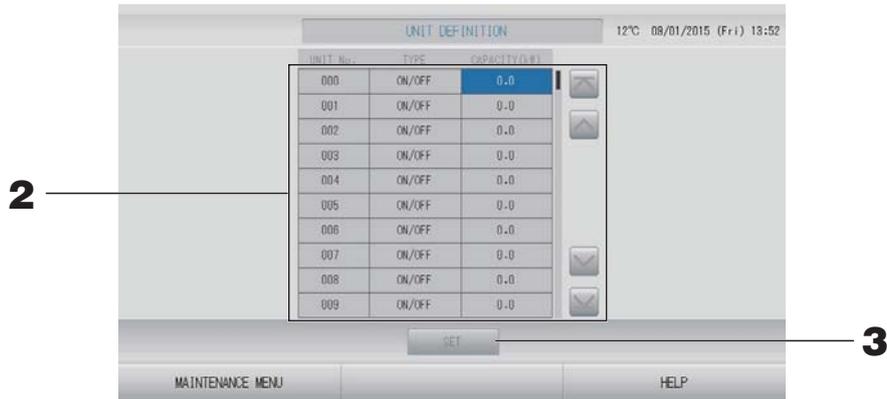
The display can be checked by demonstration or using a character list.

You can also generate simulated states of air conditioner.

Unit Definition Settings (SC-SL4-BE only)

1. Press the **UNIT DEFINITION** button on the **MAINTENANCE MENU** screen.

☞ page 61



2. Press the item to be set or changed on the list.

Each time the "TYPE" item is pressed, the unit type changes.

MULTI1 : calculating according to the amount of refrigerant flow. Used for KX Series.

MULTI2 : thermo ON/OFF calculation. Used for KX Series.

ON/OFF : calculating according to the unit operating time. Used for KX series, PAC.

SINGLE : calculating only when compressor is turned ON. Applied to single split PAC air conditioner that perform communication via Superlink adapter.

If the "CAPACITY" item is pressed, it can be changed. (0 – 200 [kW]) ☞ page 42

To change the page, press the  or  button.

Note

- Please select same item for same system of watt-hour meter or gas meter.
- When you select MULTI1 or MULTI2, fan mode units are out of calculation. To calculate the fan mode units, please select ON/OFF.
- Standby energy used during night etc. is not included in the calculation, and does not equal the value of watt-hour meter or gas meter. Please correct the calculation by spreadsheet.

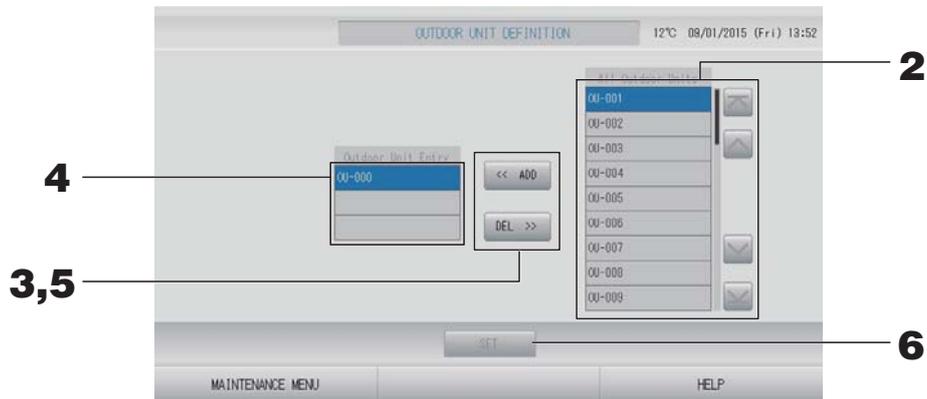
3. Press the **SET** button. Press the **Yes** button on the confirmation screen.

When you do not want to make the setting, press the No button.

Outdoor Unit Definition

You can choose up to 3 outdoor units for outdoor air temperature.

- 1. Press the OUTDOOR UNIT DEFINITION button on the MAINTENANCE MENU screen.**



<When adding units>

- 2. Press directly an outdoor unit address in the list of All Outdoor Units.**

To change the page, press the  or  button.

- 3. Press the ADD button.**

The selected unit is added to the list of Outdoor Unit Entry and deleted from the list of All Outdoor Units.

<When deleting units>

- 4. Press directly an outdoor unit address in the list of Outdoor Unit Entry.**

To change the page, press the  or  button.

- 5. Press the DEL button.**

The selected unit is deleted from the list of Outdoor Unit Entry and moved to the list of All Outdoor Units.

<When saving the settings>

- 6. Press the SET button. Press the Yes button on the confirmation screen.**

Note

- Outdoor temperature sensor of some units may be affected by sunlight or outdoor unit's fan operation. It is better to select the outdoor units whose operation ratio is high, and which is less susceptible to the direct sunlight.
- Outdoor air temperature is displayed on each screen and used for energy saving, or auto switch in season mode.

Import/Export Configuration File

1. Press **IMPORT/EXPORT CONFIGURATION** button on the **MAINTENANCE MENU** screen.

Attention

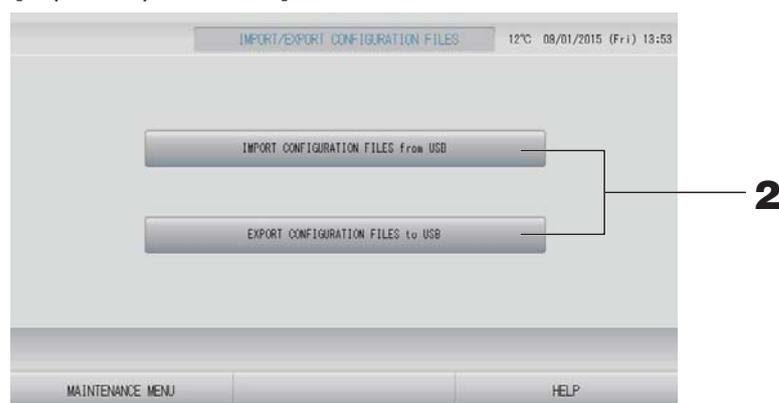
- Be sure to perform these operations after inserting the USB memory into the unit.
☞ page 5
- Please do not operate while the display light of the USB memory is blinking fast. You may perform your operations or remove the USB memory only when the display light is blinking slowly.
If the USB memory you use does not have a blinking light, please wait for a moment after each operation.
- Remove the USB memory only after all operations have been completed.

Important!!

Be sure to use the bundled USB memory device. (The central control does not recognize commercially available USB memory devices and cannot transfer data to them.)

It is convenient if folders are created in the USB memory in advance.

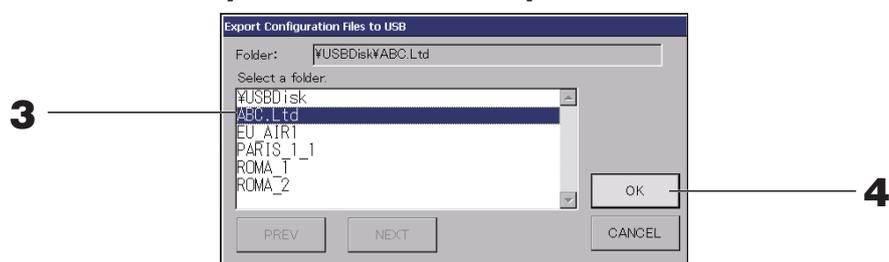
[Import/Export screen]



<Exporting Configuration Files>

2. Press the **EXPORT CONFIGURATION FILES to USB** button.
Select the folder on the Folder Selection screen.

[Folder Selection screen]



3. Press the folder to be selected.
To change the page, press the **PREV** or **NEXT** button.

4. Press the OK button.

A confirmation screen (Definition file backup confirmation screen) is displayed. Press the "OK" button on either of the screens.

Note

If the CANCEL button is pressed, it returns to the previous screen.

<Importing Configuration Files>

2. Press the Import Configuration Files from USB button.

Select the folder on the Folder Selection screen.

Note

- Please remove the USB memory and press OK button.
- The setting applies after reboot.
- By backing up the Configuration file, the following data can be easily backed up;
 - Block and group definitions
 - Schedule settings (except today's schedule)
 - Unit definition
 - Accounting period time
 - Function setting (except SL mode)
 - Operator setting
 - Summer time setting
 - Group user setting
 - Outdoor unit definition
 - Maintenance user setting

Meter Definition (SC-SL4-BE only)

Meter group definition file and pulse constant definition file are needed for energy consumption history.

1. Press the **METER DEFINITION** button on the **MAINTENANCE MENU** screen.



2. Insert the USB memory and press the **IMPORT** button. Select the folder on the Folder Selection screen.

Note

- Meter group definition file of factory default is “nkei_file.csv” for new SL, or “kei_file.csv” for previous SL.
- Pulse constant definition file of factory default is “pulse_file.csv”.
- By pressing the or button, the page change.
- By pressing the or button, the page move to the first page or last page.

Operation Data Monitoring

You can monitor the operation data of indoor unit and outdoor unit.

1. Press the **OPERATION DATA MONITORING** button on the **MAINTENANCE MENU** screen.



2. Press the **SELECT UNIT** button.
3. Press Indoor Unit address and/or Outdoor Unit address. Press the **OK** button.
The selected units are set.
When you do not want to set, press the Cancel button.

<When saving the data>

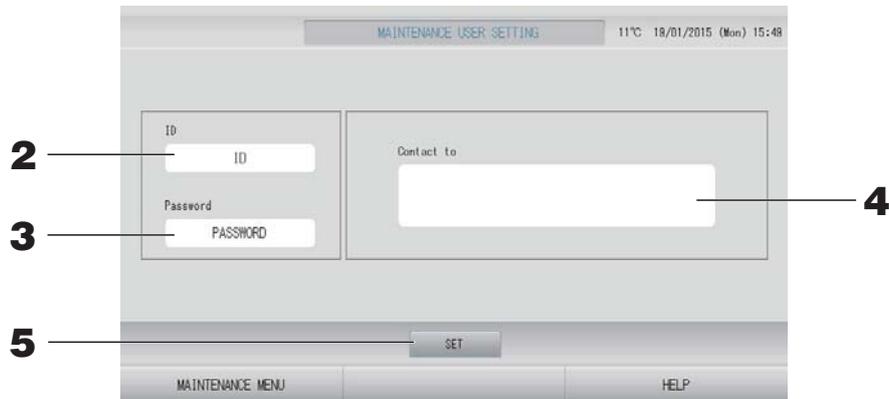
4. Press the EXPORT CSV FILE button.

The data of selected units is saved.

Maintenance User Setting

Set the ID, password, of the maintenance user.

1. Press the MAINTENANCE USER SETTING button on the MAINTENANCE MENU screen.



2. Setting and viewing the ID

Specify the maintenance user's ID.

Press ID to input an ID. The input ID is displayed.

3. Setting and viewing the Password

Specify the maintenance user's password.

Press Password to input a password. The input password is displayed.

4. Setting the maintenance user information

You can specify the maintenance user's information.

You can enter text up to 3 lines maximum. When you begin a new line, press the   buttons.

5. Press the SET button. Press the YES button on the confirmation screen.

When you do not want to save the settings, press the NO button.

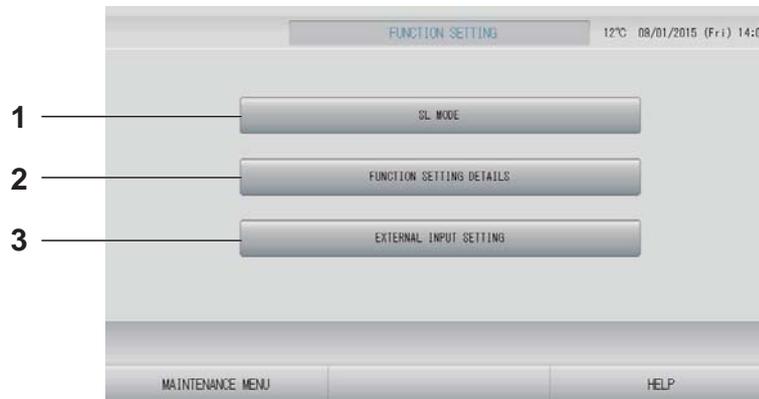
Note

Up to 16 one-byte alphanumeric characters can be used for the ID, and up to 8 one-byte alphanumeric characters for the password.

Function Setting

You configure SL mode, valid/invalid setting of auto mode, auto fan, remote controller lock/unlock and external input setting and so on.

By pressing FUNCTION SETTING button on the MAINTENANCE MENU screen, FUNCTION SETTING screen is displayed.



1. SL MODE

You can configure the Superlink communication system setting.

👉 page 69

2. FUNCTION SETTING DETAILS

You can configure the valid/invalid setting of Auto Mode, Auto Fan, Remote controller Lock/Unlock and so on. 👉 page 70

3. EXTERNAL INPUT SETTING

You can set the external input function.

👉 page 71

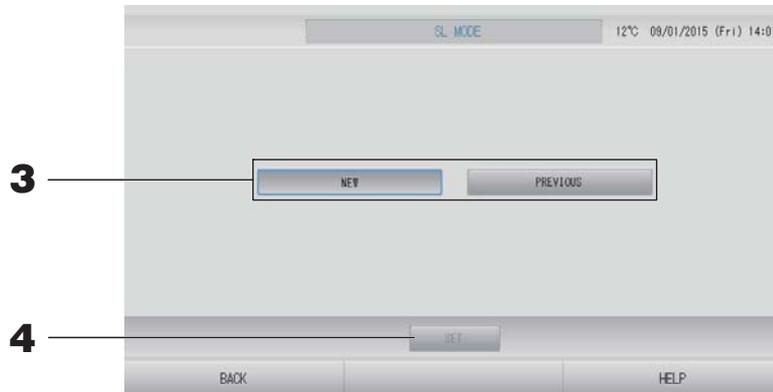
SL Mode

Configure the Superlink communication system setting. (Factory default: New)

Incorrect setting of SL mode cannot establish communication with some or all air conditioner.

1. Press FUNCTION SETTING button on the MAINTENANCE MENU screen.

2. Press SL MODE button on the FUNCTION SETTING screen.



3. • NEW

Select this for new SL communication system. (Factory default setting)

• PREVIOUS

Select this for previous SL communication system.

4. Press the SET button.

Pressing the SET button applies the setting.

Press the "YES button" on the confirmation screen.

The setting applies after reboot.

Function Settings Details

You can configure the valid/invalid setting of auto mode, auto fan and remocon lock/unlock.

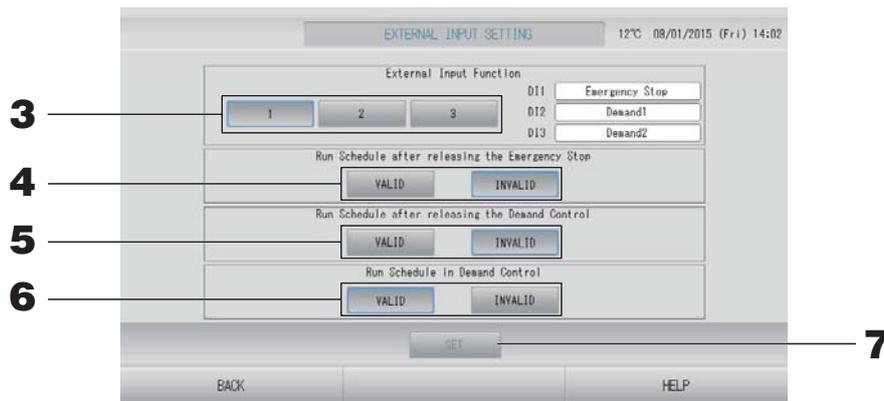
1. Press **FUNCTION SETTING** button on the **MAINTENANCE MENU** screen.
2. Press **FUNCTION SETTING DETAILS** button on the **FUNCTION SETTING** screen.



3. **Temp. Indication (Factory default: °C)**
This selects Fahrenheit or Celsius for the temperature display.
4. **Valid/invalid setting of Auto Fan Speed (Factory default: Invalid)**
5. **Valid/invalid setting of Remocon Lock/Unlock (Factory default: Valid)**
This valid or invalid the remote controller operation.
When connecting multiple SL4 to an air conditioner, only one of them must be valid.
When an external input such as emergency stop is wired to this central control, this function must be set to "valid".
6. **LOCK/UNLOCK setting of Remote Controller's Timer (Factory default: UNLOCK)**
This permits or prohibits the remote controller's timer operation of all the indoor units registered in the group.
7. **Valid/invalid setting of Auto Mode (Factory default: Invalid)**
This valid or invalid the Auto Mode button on the CHANGE screen and CHANGE ALL screen.
This function can be applied to the outdoor units, which are the cooling / heating free multi KXR, single split PAC.
Do not use Auto Mode when other outdoor units other than those mentioned above are connected.
Please contact your dealer for more information.
8. **Valid/invalid setting of Individual Lock/Unlock (Factory default: Invalid)**
This valid or invalid permitting/prohibiting the individual operation such as run/stop, mode and temperature settings of the remote controller.
This function can be applied to air conditioners EHP model KXE4 or later, and to remote controllers model RC-E1 or later.
9. **OPEN/CLOSE setting of Malfunction Output (Normal) (Factory default: CLOSE)**
This sets the contact status in normal operation.
10. **Press the SET button.**
Pressing the SET button applies the setting.

External Input Settings

1. Press **FUNCTION SETTING** button on the **MAINTENANCE MENU** screen.
2. Press **EXTERNAL INPUT SETTING** button on the **FUNCTION SETTING** screen.



3. Select 1, 2 or 3 for **External Input Function. (DI1:Emergency Stop)**

No.	DI2	DI3
1	Demand 1	Demand 2
2	Demand	Account Time
3	Account Time 1	Account Time 2

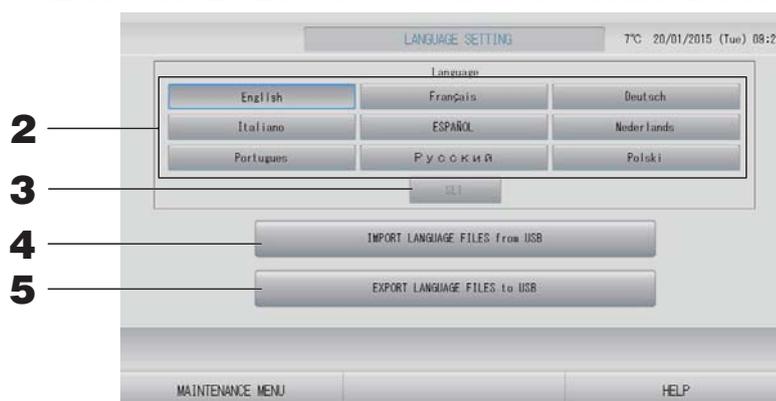
Note

- When you select No. 2, demand level is D3. page 34
- Whne you select No. 1, period time switch for accounting time is Internal. page 31

4. **Run Schedule after releasing the Emergency Stop. (Factory default: INVALID)**
You can valid or invalid running the schedule of the day after emergency stop is released.
5. **Run Schedule after releasing the Demand Control. (Factory default: INVALID)**
You can valid or invalid running the schedule of the day after the demand operation is released.
6. **Run Schedule in Demand Control. (Factory default: VALID)**
You can valid or invalid running the schedule during the demand operation for the group whose all units are not set for the demand operation.
7. **Press the SET button.**
Pressing the SET button applies the setting.
The setting applies after reboot.

Language Setting

1. Press the LANGUAGE SETTING button on the MAINTENANCE MENU.



<When changing the language for display>

2. **Select the language.**
The display language is set to the language which you select.
3. **Press the SET button.**
Press the “YES button” on the confirmation screen.
The setting applies after reboot.

<When changing the language for SL4>

4. **Press the IMPORT LANGUAGE FILES from USB button.**
This reads language data from the USB memory device.
The setting applies after reboot.

<When saving the language files>

5. **Press the EXPORT LANGUAGE FILES to USB button.**
This saves language data to the USB memory device.

Attention

When you import language files, the former language files are erased and can not be restored.

Factory Clear

Press the FACTORY CLEAR button on the MAINTENANCE MENU screen.



1. INITIALIZE TO FACTORY SETTING

This resets the settings to factory default except time & date setting (☞ page 40) and each data for CSV file.

2. INITIALIZE CONFIGURATION FILES

This initializes definition data. ☞ page 65

3. INITIALIZE SCHEDULE SETTINGS

This initializes schedule data.

4. INITIALIZE OPERATOR'S ID and PASSWORD

This initializes the operator's ID and password.

Note

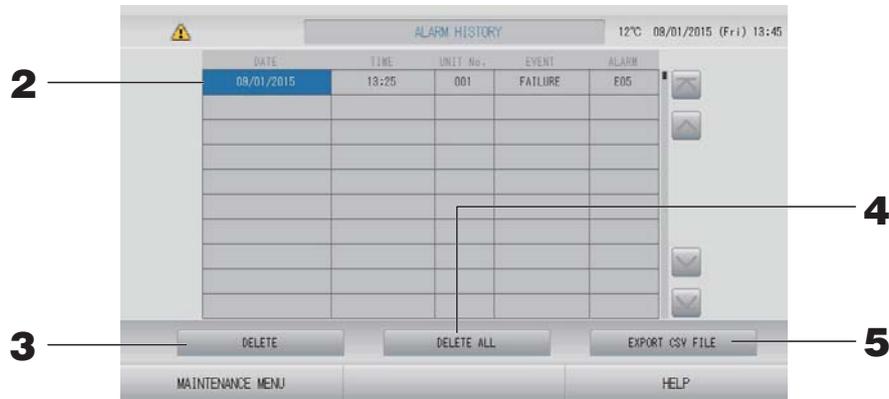
Press the "YES button" on the confirmation screen. The setting applies after reboot.

Viewing Alarm History

1. Press the ALARM HISTORY button on the MAINTENANCE MENU screen.

☞ page 58

Check the content on the ALARM HISTORY screen.



<Deleting an alarm history item>

2. Press the date to be deleted.

The date is highlighted. Press and change the content.

3. Press the DELETE button.

The selected alarm history item is deleted.

<Deleting all alarm history items>

4. Press the DELETE ALL button.

All alarm history items are deleted.

<Saving to the USB memory>

5. Press the EXPORT CSV FILE button.

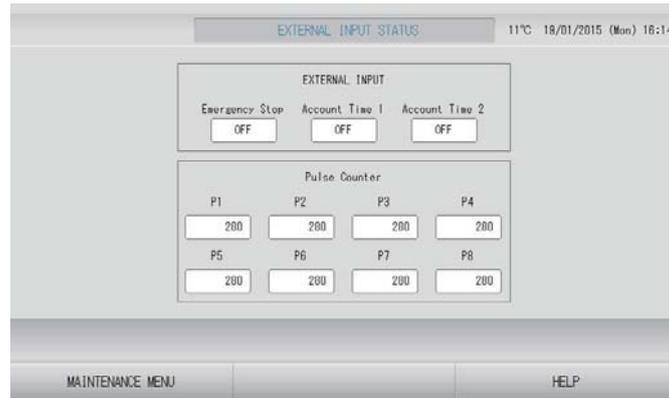
The alarm history is saved on the USB memory device.

Note

The data is erased when rebooting or power outage.

External Input Status

Press the **EXTERNAL INPUT STATUS** button on the **MAINTENANCE MENU** screen.



- **External Input**
The statuses of emergency stop, demand and accounting time contact can be checked.
- **Pulse Counter**
The accumulated number of pulse inputs (eight points) of the current day can be checked.

Troubleshooting

<p>“Each group status display” is displayed in red</p>	<p>A malfunction has occurred with the unit. The malfunctioning unit is stopped. Contact your dealer. The shop will need the following information: “Each group status display”, “malfunction situation”, “model name of the malfunctioning unit”, “Error No. (E00)” etc.</p>
<p>“Each group status display” is displayed in yellow</p>	<p>A communication problem has occurred. Contact your dealer. The shop will need the following information: “Each group status display”, “malfunction situation”, “model name of the malfunctioning unit” etc.</p>
<p>The filter sign is lit.</p>	<p>Clean the air filter. (See the manual attached to the air conditioner for the cleaning method.) Press the filter reset button after cleaning.</p>
<p>Maintenance display is lit.</p>	<p>Regular inspection is necessary. Contact your dealer. The shop will need the following information: “maintenance display color”, “unit model name” etc.</p>
<p>The screen does not change when touched.</p>	<p>It is possible that there is malfunction due to electrostatic discharge. Turn the power off, then turn it on again (power supply reset). Operability can be improved by operating with either a stylus pen or fingertip (fingernail). When it does not operate normally with the procedure above, it can be assumed that the unit was damaged, so contact your dealer with your “malfunction situation”.</p>
<p>No screen is displayed (dark).</p>	<ul style="list-style-type: none"> • The backlight (illumination) is turned OFF after a fixed period of time to preserve the screen. Touch the screen. (It may take a little time for the display to reappear.) • It is possible that there is malfunction due to electrostatic discharge. Turn the power off, then turn it on again (power supply reset). When it does not operate normally with the procedure above, it can be assumed that the unit is damaged, so contact your dealer with the “malfunction situation”.
<p>The remote controller’s display and central control screen display do not match</p>	<p>When multiple units are registered in a group, the settings for the representative unit for the group are displayed. Check the status display for each of the units.  page 30 Run/Stop displays “Run” if one or more units in the group are running, and it displays “Stop” if all units are stopped.</p>
<p>Air conditioner operates on its own.</p>	<p>Check the schedule settings. The group settings that have been scheduled can be changed.  page 24</p>
<p>The central control feels warm to the touch.</p>	<p>The central control may get warm, but this is not a problem. When the room is hot, it gets warm more readily. Use in an environment where the temperature around it is 40°C or lower.</p>
<p>The calculating results are not accurate. (SC-SL4-BE only)</p>	<p>Because running air conditioners are only calculation target, standby electricity cannot be calculated and a calculated result does not match real electric power consumption. If the calculated value is different from the measured value, please perform re-division using a spreadsheet in reference to the calculation result.</p>
<p>“Importing a configuration file from USB memory has failed. Check the configuration file in the USB memory.” message appears.</p>	<p>It is possible that either the definition file has not been saved to the USB memory or there is an error in specifying the folder to be read. Check again and then perform the operation again. If this message appears again, contact your dealer.</p>
<p>“Exporting a configuration file to USB memory has failed.” or “Exporting monthly data files to USB memory has failed” message appears.</p>	<p>There is a possibility that the USB memory has been damaged or the files in the USB memory have been damaged. Delete all the files in the USB memory and create them again. If this message appears again, contact your dealer.</p>

<p>“USB memory was not found.” message appears.</p>	<p>The USB memory may not have been fully inserted. Remove the USB memory, and reinsert it. If this message appears again, it is possible that the USB memory is damaged or the USB memory is not the attachment. Replace it with the bundled USB memory and try the operation again. If this message appears again, contact your dealer.</p>
<p>“SL-0X-self address duplication error was detected.” “ SL-0X- self transmission data read error was detected.” “ SL-0X- data transmission error was detected.” “The fatal error occurred to the system. SL process was forced to finish.” “Initialization of a communication device failed.” “pulse data read error was detected.” “SL-0X-self address duplication error was detected.” message or “E74” appears.</p>	<p>Contact your dealer. (Re-check the communications line connections of the units.)</p>
<p>Error messages other than the above are displayed.</p>	<p>Perform operations according to the messages on the screen or turn the power off and then on (power supply reset). If the message appears again, contact your dealer.</p>
<p>The room temperature display does not change from “--”.</p>	<p>When the room temperature is 0°C or less, “--” is displayed. When it differs from the display of remote controller, contact your dealer.</p>
<p>The outdoor unit temperature display does not change from “--”.</p>	<p>When outdoor unit is not set for outdoor unit definition, outdoor unit temperature is not displayed. Please set outdoor unit.  page 63. If it is not displayed when you set outdoor unit, contact your dealer.</p>
<p>When you select “Valid” for the Individual Lock/Unlock on the Function Setting screen, the function of permitting and prohibiting the individual operation of the remote controller do not work.</p>	<p>This function can be applied to the indoor units, which are the model KXE4 or later, and to the remote controller, which is the model RC-E1 or later. Make sure to select “Invalid” for the Individual Lock/Unlock on the FUNCTION SETTING screen.</p>
<p>In case that operating condition of a part or all of air conditioners which are set to a group, does not display.</p>	<p>There may be inadequacy for communication line or the setting of this center console. Contact your dealer.</p>
<p>The screen of this central control is not returned to normal display even if you press the reset switch.</p>	<p>It is possible that the central control or power system has malfunction. Contact your dealer.</p>
<p>When you can not log in.</p>	<p>Contact maintenance user or your dealer.</p>
<p>The setting of the individual Lock/Unlock by remote control isn't displayed.</p>	<p>The setting of the individual Lock/Unlock by SL4 will override the setting by remote control.</p>

Caution

Caution that performing of the monthly calculation (SC-SL4-BE only)

- This center console does not warrant the contents of the calculation result. Please be sure to use a calculation result in the customer's responsibility.

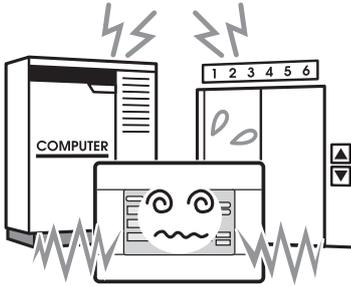
We are not liable for any damages whatsoever (including but not limited to damages for loss of business profits, business interruption, or any other pecuniary loss) which results from an inability to use this center console.

Moreover, whatever the cause of failure and an obstacle, we cannot warrant the data saved at your memory storage (hard disk, USB memory).

- Because the monthly calculation by this data does not conform to OIML, we cannot apply to public business.
- Please prepare the PC, spreadsheet such as EXCEL, printer, watt-hour meter, and gas meter that are required for calculation.

Installation

Do not install the central control in any area where noise easily generates.



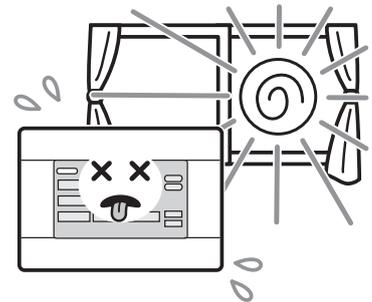
If it is installed near the computer, automatic door, elevator or equipment which generates noise, it will cause to improper operation.

Do not install the central control in any area where it is very humid or the vibration is large.



If it is installed in an area exposed to humidity, splashing water or high vibration, it will cause malfunctions.

Avoid any place which is exposed to direct sunlight or is near a heat source.



If it is installed under direct sunlight or near a heat source, it will cause malfunctions.

After Sales Service

●Have the following information available when requesting repairs.

- Model name
- Installation date
- Problem status, as detailed as possible
- Address, name, telephone number

●Relocation

Since expert techniques are required, always contact your dealer.

In such cases, there will be a fee for relocation.

●Repairs after the free service warranty period.

Consult your dealer.

Warranty period is one year from installation. It will be charged when repair is required after the period. Please consult your dealer.

●Questions

For after sales service, consult your dealer.



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