USER GUIDE

Smart LED Remote System

Server & Web Service with Smart LED Remote System (V0.2)

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I. System Administrator

1 Initializing the administrator system

The lighting control system can be used after the initialization settings have been completed.

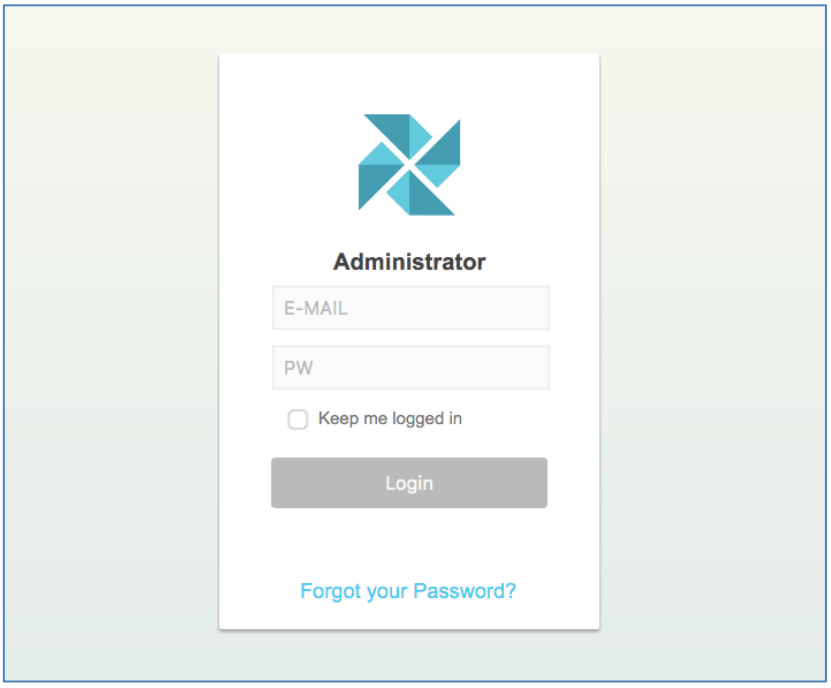
Initialization is the process of setting up the necessary information while the system is operating.

1.1 Login

1.1.1 Address : http://localhost/super/login

1.1.2 Login using administrator's ID and PW

1.1.3 ID : admin@breeze.com, PW : 123456



1.2 Server address settings

1.2.1 When you log in under light control system, Enter the domain address or IP address

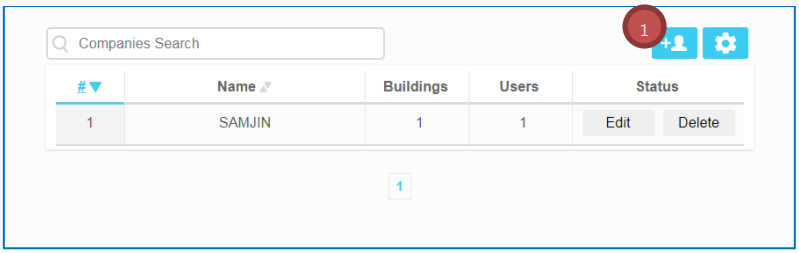
Ex) www.samjin.co.kr or 192.168.1.100

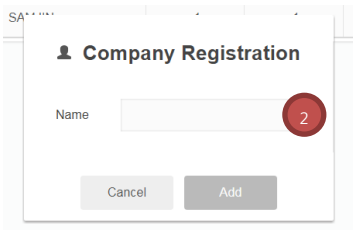
1.3 Setting Users

1.3.1 Tap **New User** and add a new company name.

1.3.2 Tap and add New User button 1

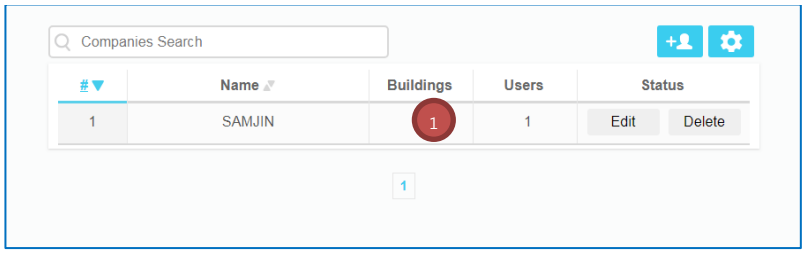
1.3.3 Enter company name 2



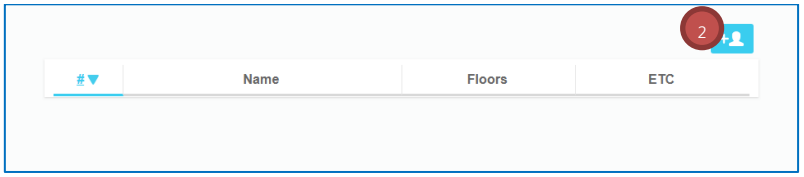


1.4 Setting Buildings

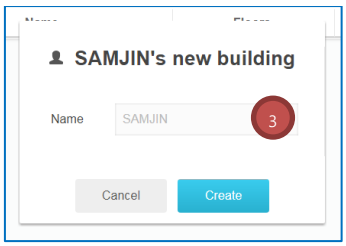
1.4.1 Tap Building section (1)



1.4.2 Tap & add New Building button (2)

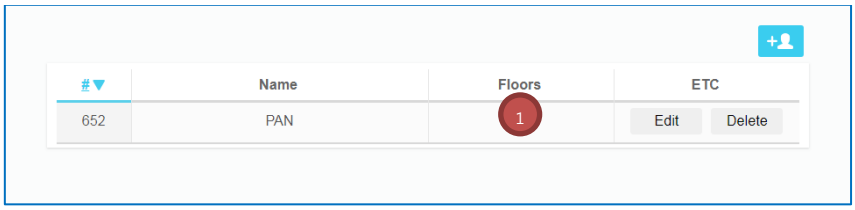


1.4.3 Enter Building name (3)

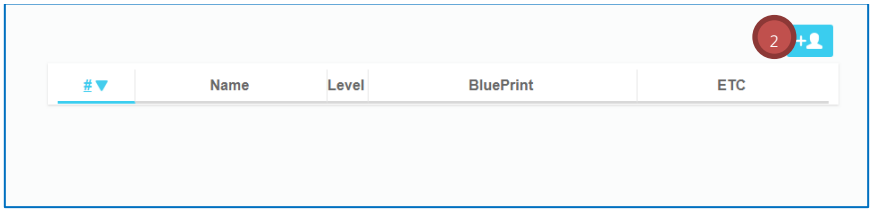


1.5 Setting Floors

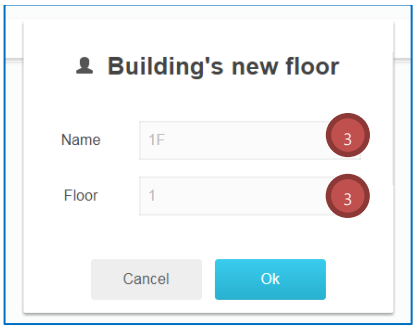
1.5.1 Tap Floors section (1)



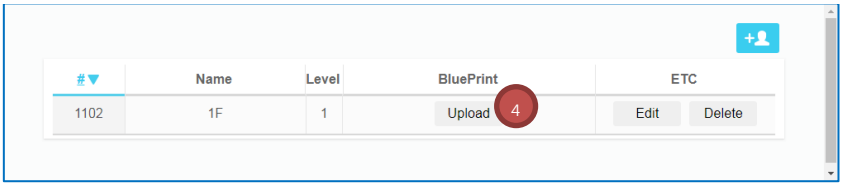
1.5.2 Tap & add New Floor button (2)



1.5.3 Enter each floors' information (Ex: for 1st floor, Name : 1F, Floor : 1)



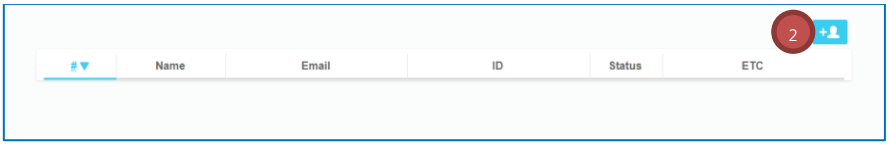
1.5.4 Upload drawings after you tap the Upload button 4



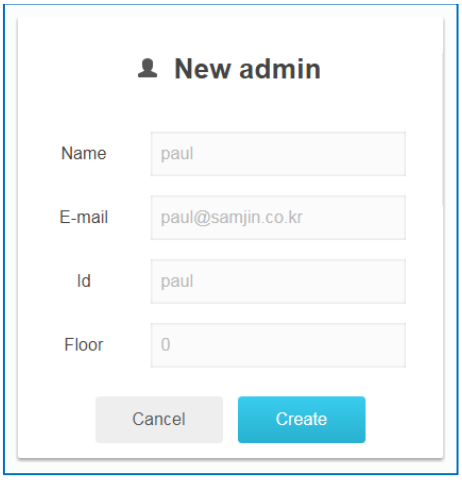
1.6 Add Administrator

1.6.1 Tap Building User section on Setting building 1

1.6.2 Tap & add New Administrator 2



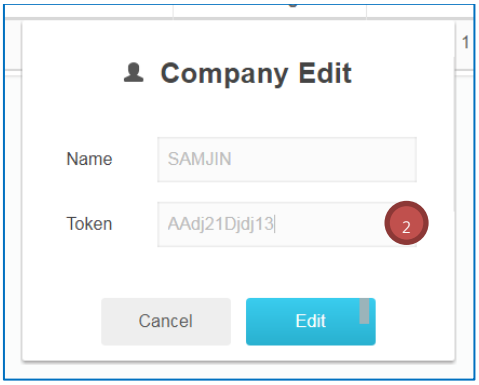
1.6.2.1 Enter New Administrator's information



1.7 Identify GW key and edit

1.7.1 Tap **Edit** button on settting building schreen (1)

1.7.2 Token Key identify and change (2)



II. Company Administrator

Administrator can use this remote system after completing setting company and administrator.

1 Initial Setting

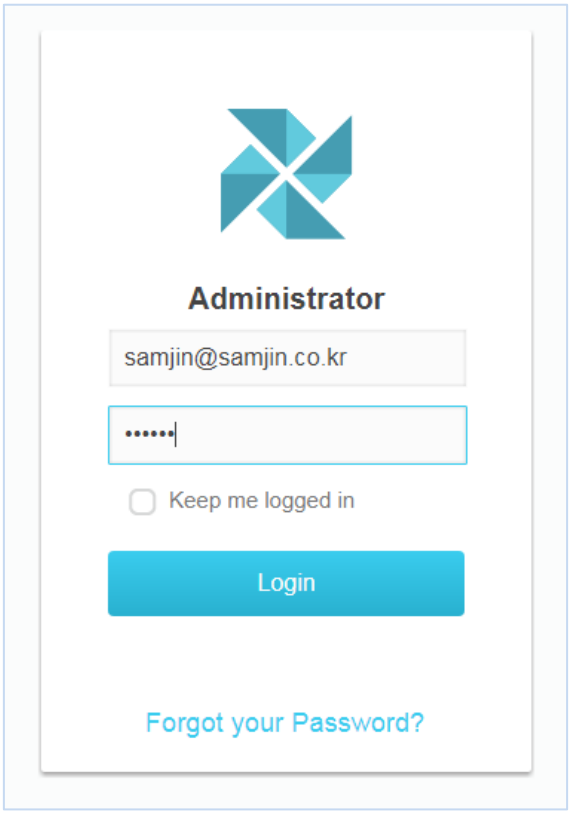
1.1 Login

1.1.1 Login using administrator's ID and PW

1.1.2 Web address : http://localhost/company/login

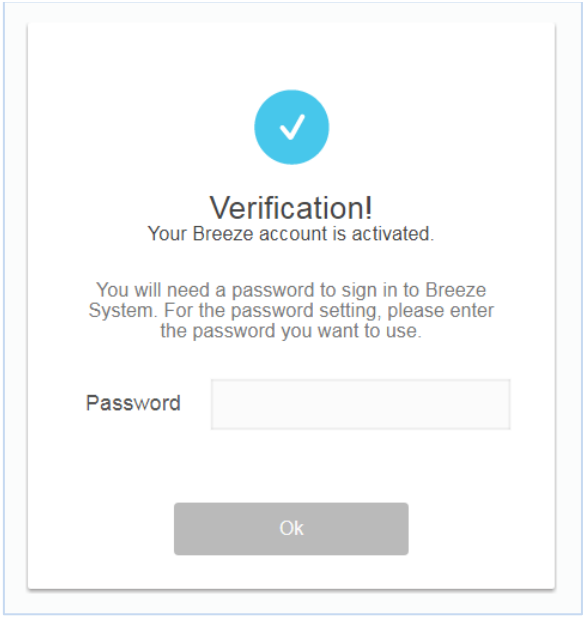
1.1.3 Initial PW is account of email address

Ex.) ID : samjin@samjin.co.kr, PW : samjin



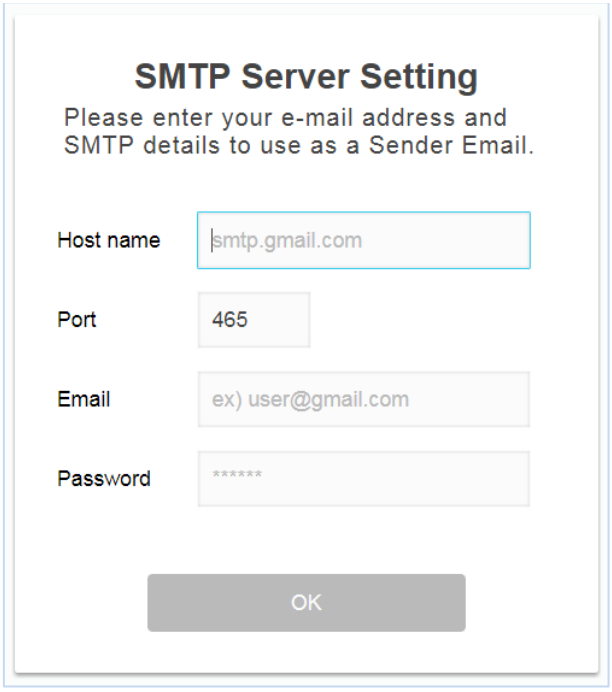
1.2 PW Change

1.2.1 Enter initial PW



1.3 SMTP set-up

1.3.1 SMTP Server setting for administrator



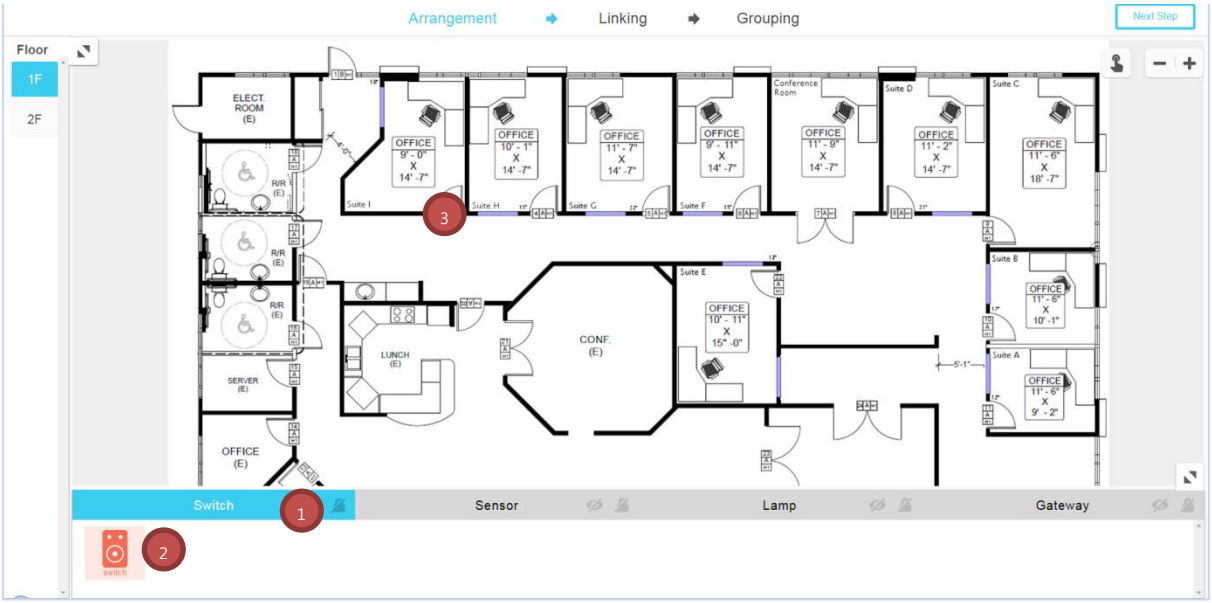
1.4 Device Allocation

1.4.1 Choose Device type 1

1.4.2 Tap Device 2

1.4.3 Tap the right position 3

1.4.4 Gateway 는 미리 연결되어 있어야 합니다.

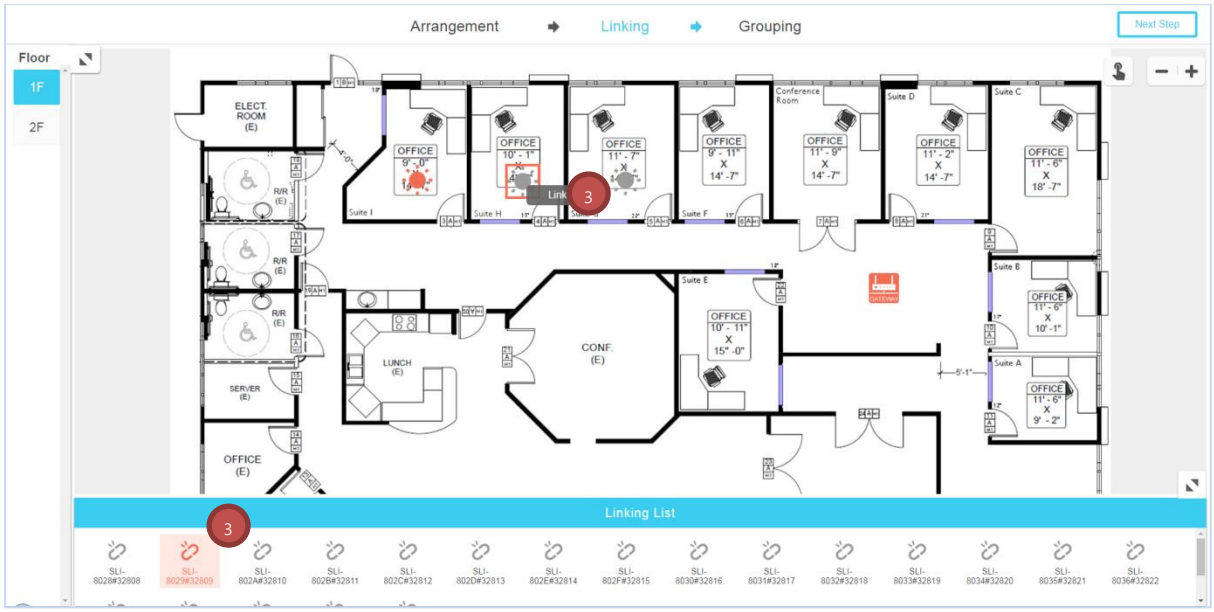


1.5 Linking Devices

1.5.1 Select gateway located in drawing and click Scan menu 1

1.5.2 List of scanned BLE lights from Gateway

1.5.3 After selecting the device to be linked, selecting Linked device exposes Link menu 3



1.5.4 Device Indication by Linking Status

1.5.4.1 Linking required (grayed out)

1.5.4.2 Completed linking (indicated by orange)

1.5.4.3 Unlinkable (black background on device)

1.6 Creating a Device Group

1.6.1 Creating Groups

1.6.1.1 Click the "+" button on the right side of group list 1

1.6.1.2 Automatically created after button click and displayed in front of list 2

1.6.2 Adding lighting to a group

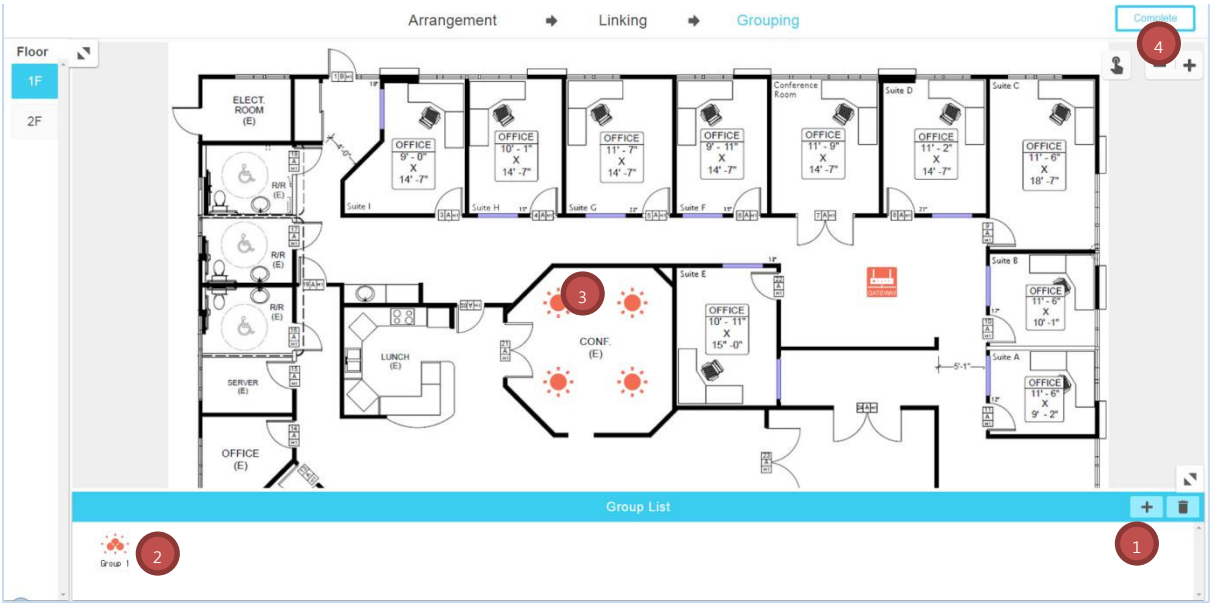
1.6.2.1 Selecting the desired group 2

1.6.2.2 Select the lights to include in the group from the lights on the drawing 3

1.6.3 작업 완료 하기

1.6.4 Completing the task

1.6.4.1 After all the operations are completed, click the "Complete" button and go to the main screen 4



1.6.5 Renaming Groups

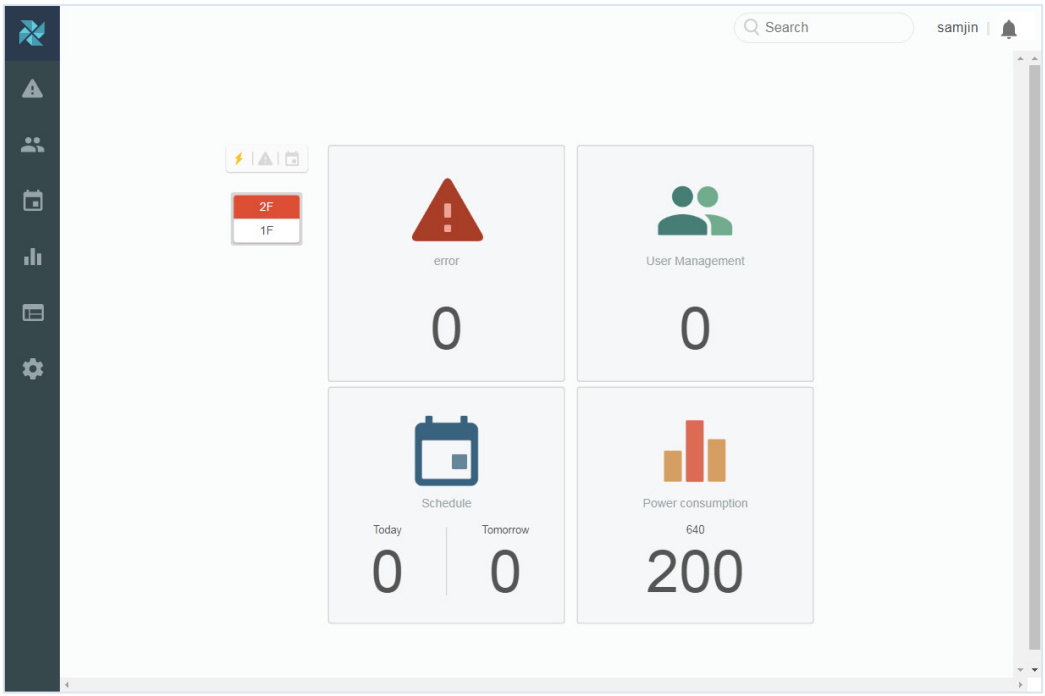
1.6.5.1 Selecting Groups to Rename 1

1.6.5.2 Enter after Enter Name 2

2 Administrator System Basic Functions

2.1 Dashboard

Dashboards make it easy for administrators to see the complete information of a system and easily navigate to a screen where the desired function is available.



2.1.1 Quick Search

2.1.1.1 Quickly check the information you want without moving to the user or schedule screen 1

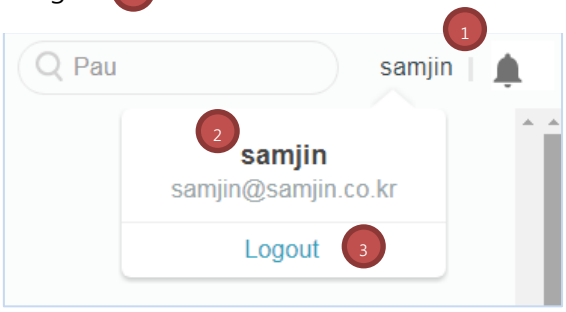
2.1.1.2 If user name or schedule name is entered in the search box, the searched list appears in the list below. 2

2.1.2 Connection User

2.1.2.1 In the top right corner, the user name of the currently logged-in account is displayed. 1

2.1.2.2 Confirmation of personal information by clicking on user name 2

2.1.2.3 Logout 3



2.1.3 Floor Information

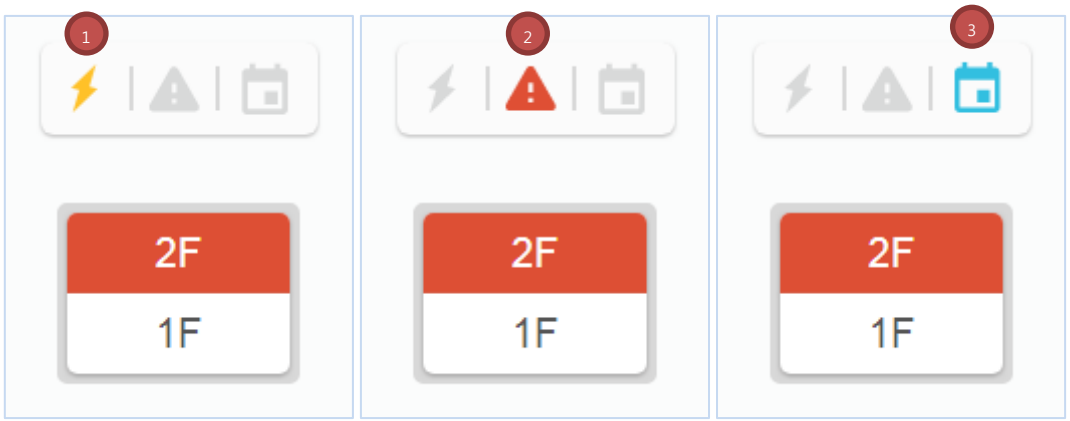
2.1.3.1 List of floors registered in current control system

2.1.3.2 Details with Floor Information

2.1.3.2.1 Power-consuming layers 1

2.1.3.2.2 Floor with Fault Generator 2

2.1.3.2.3 Schedule running layer 3



2.1.4 Error Information

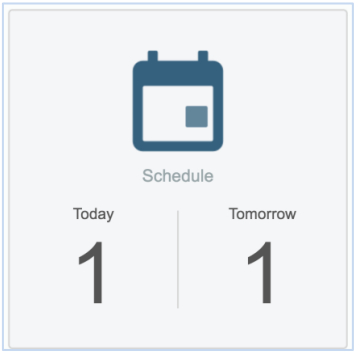
2.1.4.1 Number of errors that have not yet been acknowledged

2.1.4.2 Go to error list screen when clicking

2.1.5 Schedule Information

2.1.5.1 A certain number of running or running today and tomorrow

2.1.5.2 Go to the schedule list screen when clicking

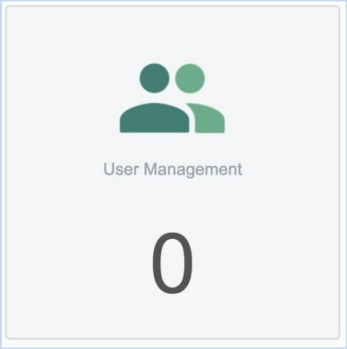


2.1.6 User Management Information

2.1.6.1 Number of Authorization Requests Generated by General Users after Membership

2.1.6.2 Approval or rejection processing is required on the user management screen

2.1.6.3 Go to user management screen when clicking

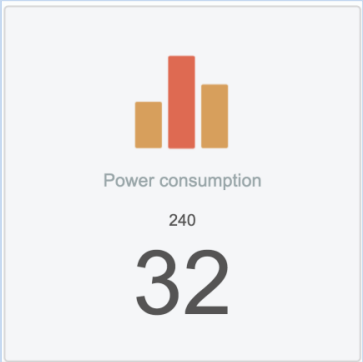


2.1.7 Power Consumption

2.1.7.1 100% of total current devices Total power

2.1.7.2 Indication of Current Power Consumption

2.1.7.3 Go to click statistics screen



2.2 List of Errors

An error is a feature that informs the administrator when the status of the device becomes inaccessible. After the administrator has processed the device that caused the error, it must be resolved.

2.2.1 Searching 1

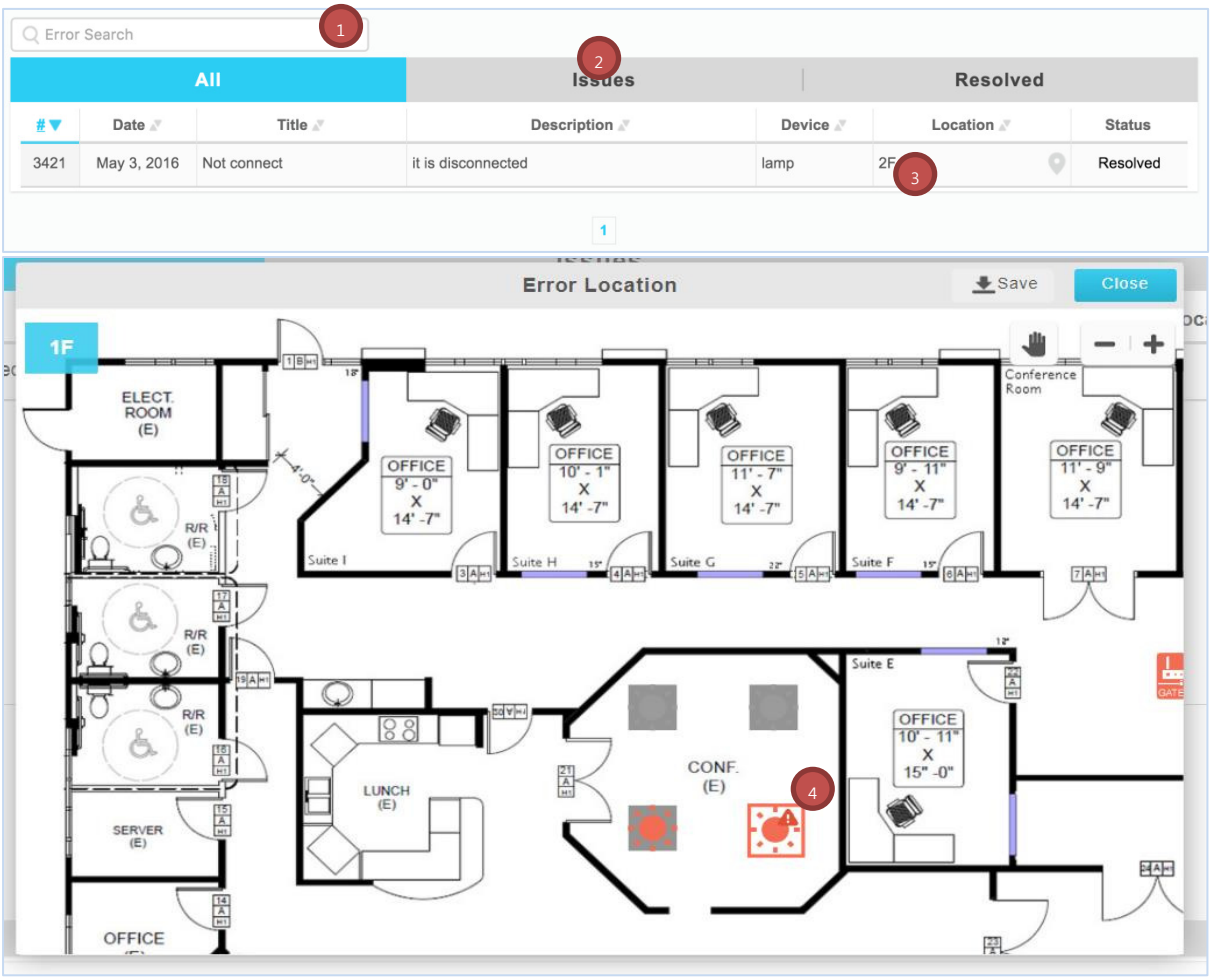
Search for "title, contents" of the error and check the error information you want to check

2.2.2 State classification 2

Check the error list by dividing it by "All errors", "Unresolved errors", and "Resolved errors"

2.2.3 Checking the error occurrence location 3

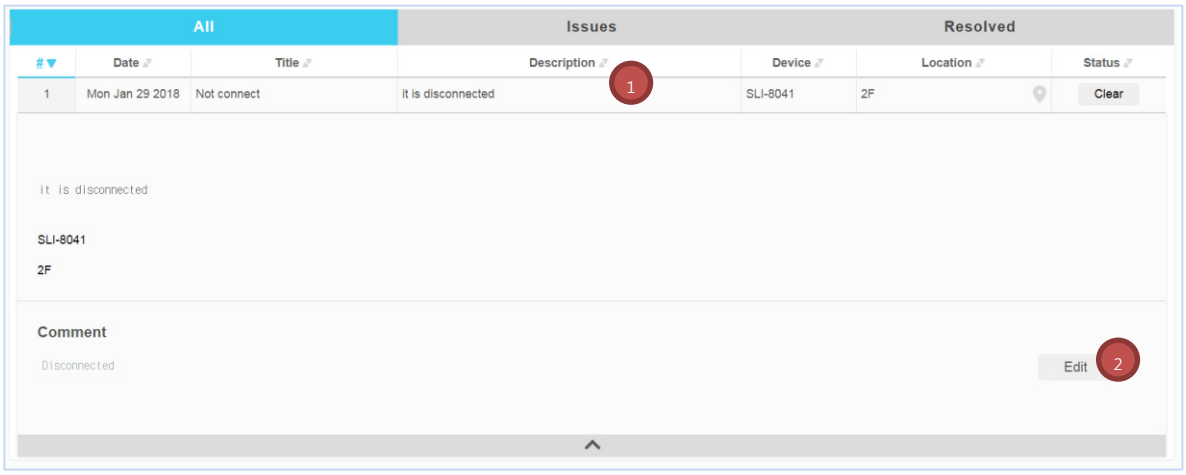
Check the location of the error on the drawing 4

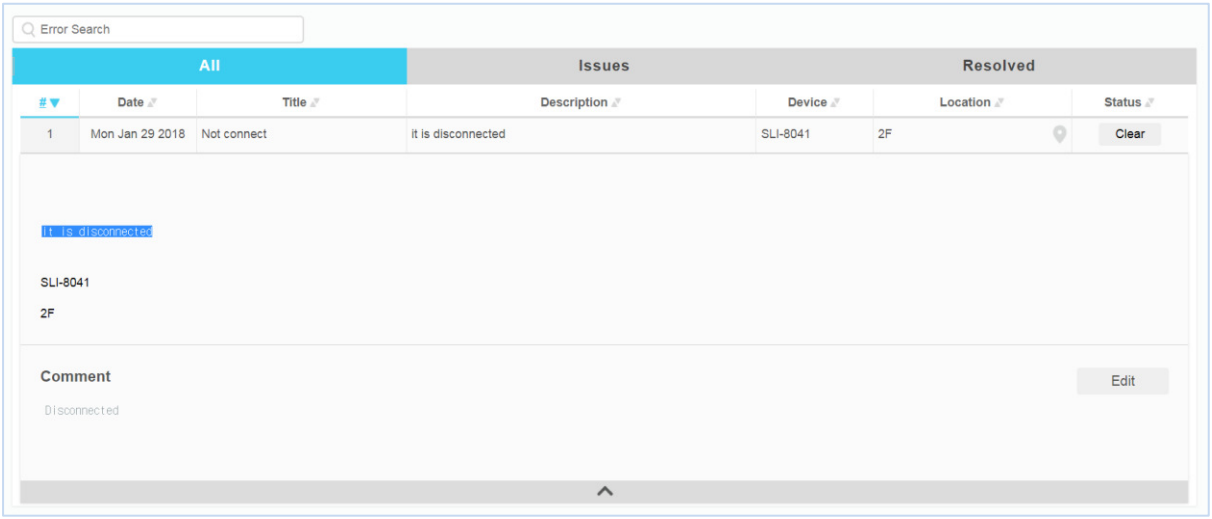


2.2.4 Creating Comments

2.2.4.1 If you select the Description area 1

2.2.4.2 Click Edit to create and modify a Comment 2

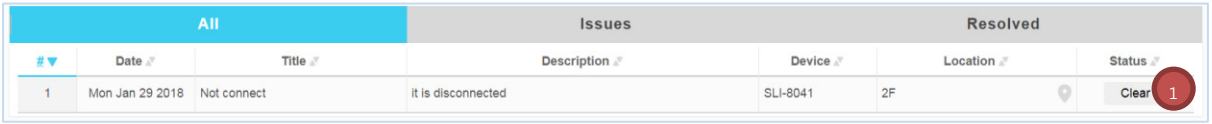




2.2.5 Resolving

2.2.5.1 If the error is no longer a problem, press the Clear button to change it to the Fixed state. 1

2.2.5.2 Errors once resolved can not be reverted back to open state



2.3 User List

You can only control lights that have certain rights. After adding a user, the administrator must register the lights that the user can control.

2.3.1 Create User

2.3.1.1 Click the top right button 1

2.3.1.2 Adding Manual 2

2.3.1.2.1 Enter user information and click "Add" button 3

2.3.1.3 Adding as a file 4

2.3.1.3.1 Write user information to a file

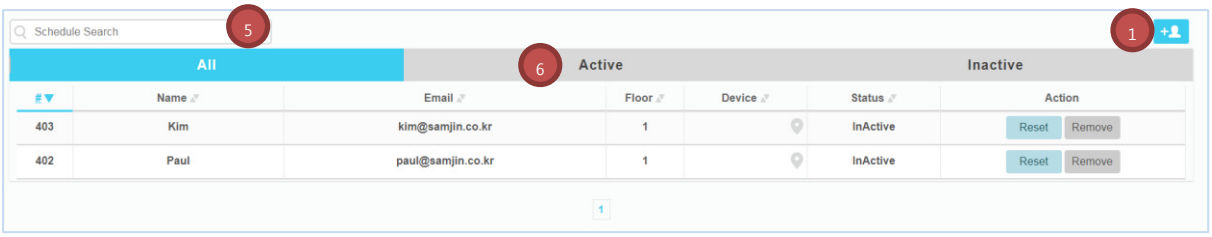
2.3.1.3.2 After uploading the created file, click "Add" button

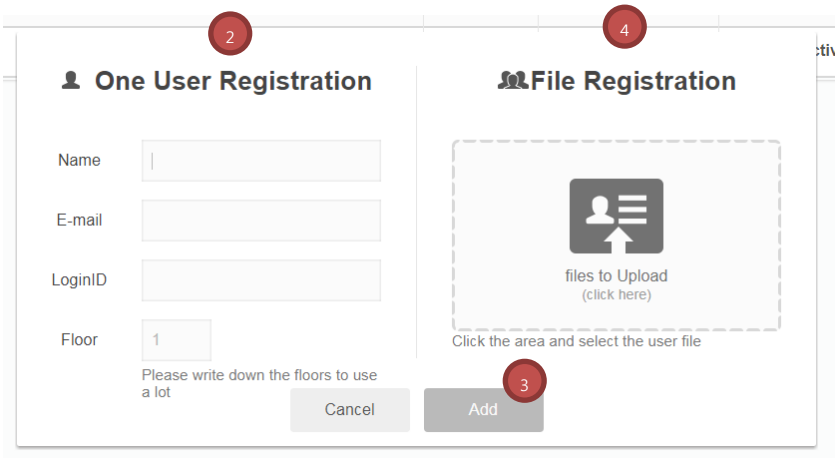
2.3.2 Search 5

2.3.2.1 Retrieve a user's name, email, or assigned lighting information

2.3.3 State classification 6

2.3.3.1 Confirm the user list divided into "Full, Activate, and Disable"





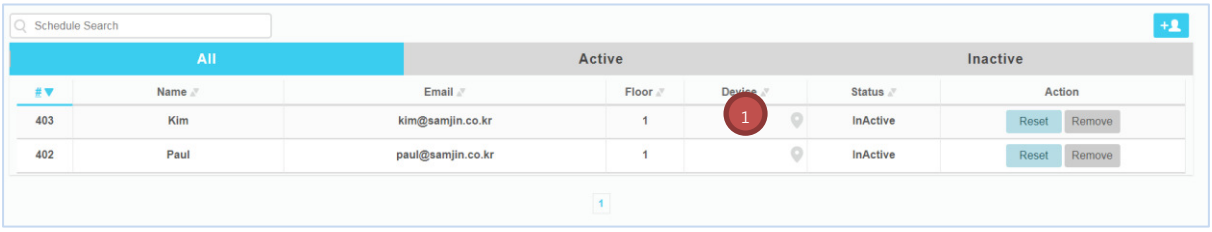
2.3.4 Lighting registration

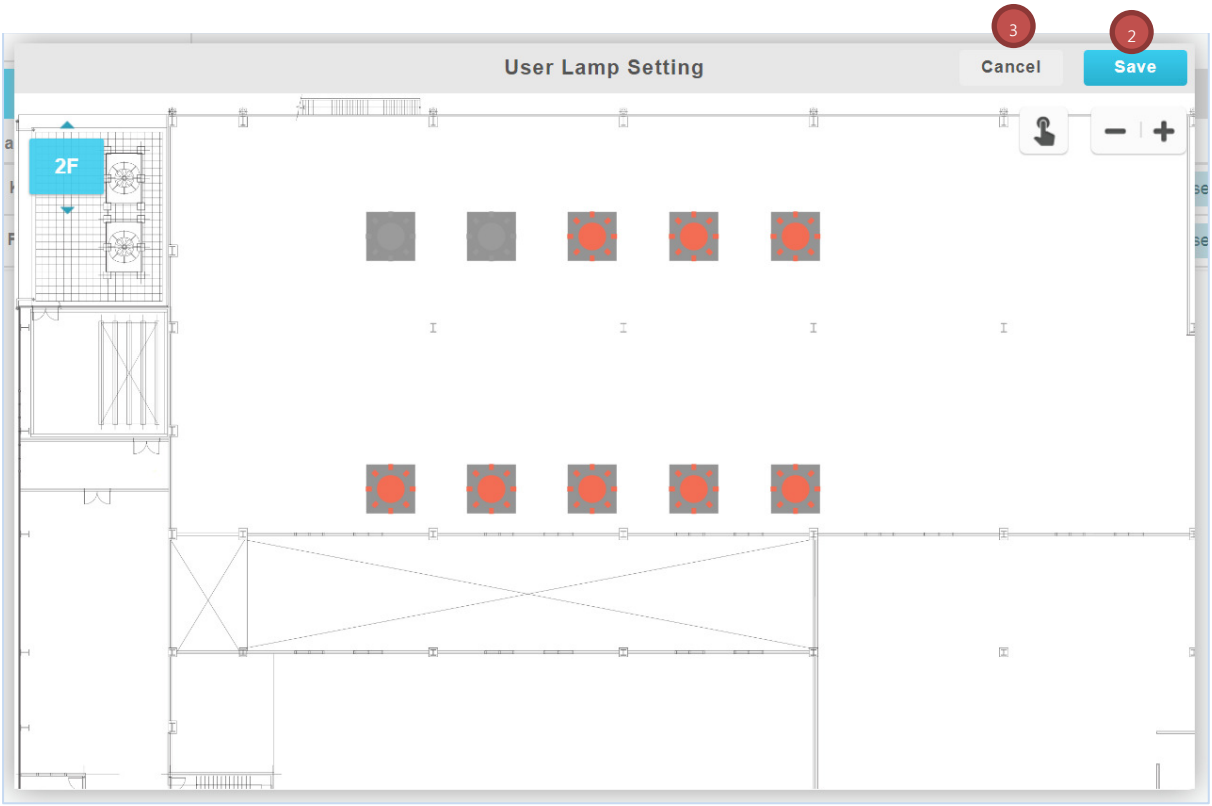
2.3.4.1 Can register and remove user controllable light

2.3.4.2 Click the 1 icon on the "Device" tab to display the setting popup

2.3.4.3 Select the desired layer and device and click "Save" button 2

2.3.4.4 Click to cancel the setting and return to the previous state 3





2.3.6 Changing User State

2.3.6.1 User Status is checked on the Status tab. 1

2.3.6.1.1 Every time a user's status changes, the content is emailed

2.3.6.1.2 Ready: Waiting for administrator approval after signing up

2.3.6.1.3 Inactive: The state in which a password must be set

2.3.6.1.4 Active: A state in which a function can be normally used

2.3.6.1.5 Locked: Connection is restricted by administrator

2.3.6.2 User state can be changed by using the button in the Action tab 2

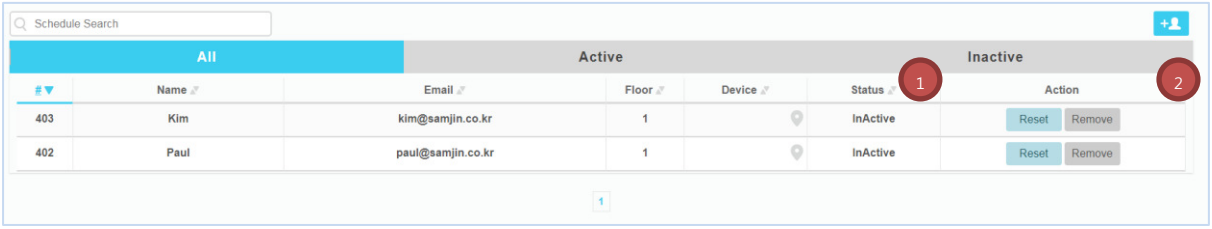
2.3.6.2.1 Reset: Have the password reset

2.3.6.2.2 Lock: Restrict system access

2.3.6.2.3 Unlock: Disable System Access Restrictions

2.3.6.2.4 Remove: Account deleted

2.3.6.2.4.1 Appears when the user account is not "Active"



2.4 Schedule

Schedule is a function that allows you to specify the time and status you want and automatically control the devices. Registered schedules can be viewed in timeline or list format. Transformations in the timeline and list format can be done via tabs at the top center.

2.4.1 Timeline

2.4.1.1 Check the registered schedule by date and time

2.4.1.2 The displayed color differs depending on how the schedule is executed

2.4.1.2.1 Duration: It returns to the state before the schedule operation after the specified state is maintained for a certain period of time.

2.4.1.2.2 Spot: changes the devices to the specified state at a fixed time without retention time and finishes the operation

2.4.1.3 Change the date unit 1

2.4.1.3.1 Daily Units

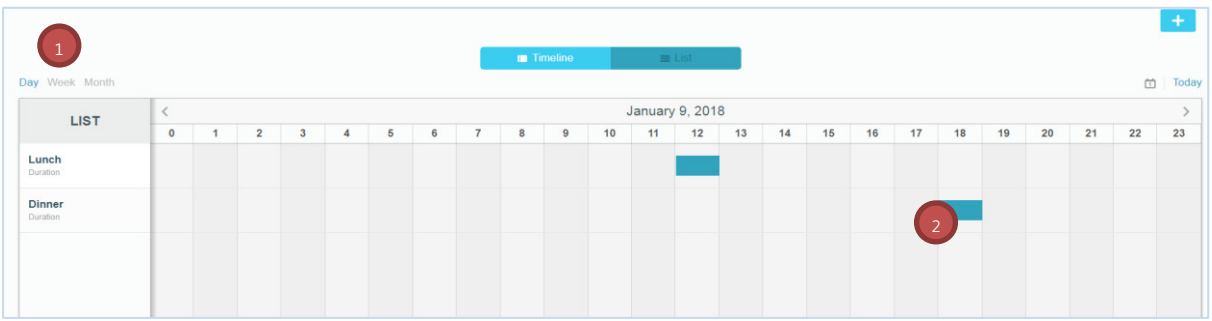
Schedule for the selected date (0 to 24 hours)

2.4.1.3.2 Main Unit

Schedule for the selected week (Monday through Sunday)

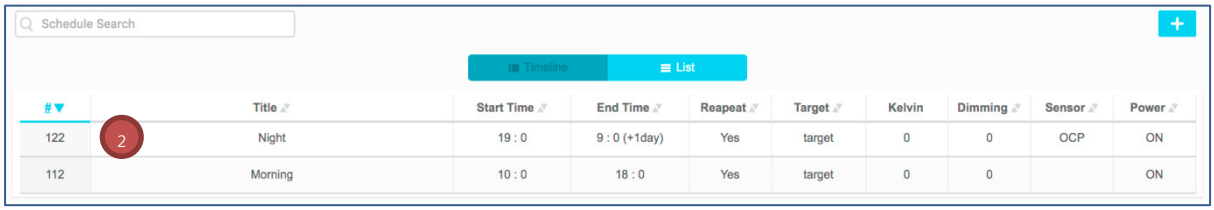
2.4.1.3.3 Monthly Unit

Select month's schedule



2.4.2 List

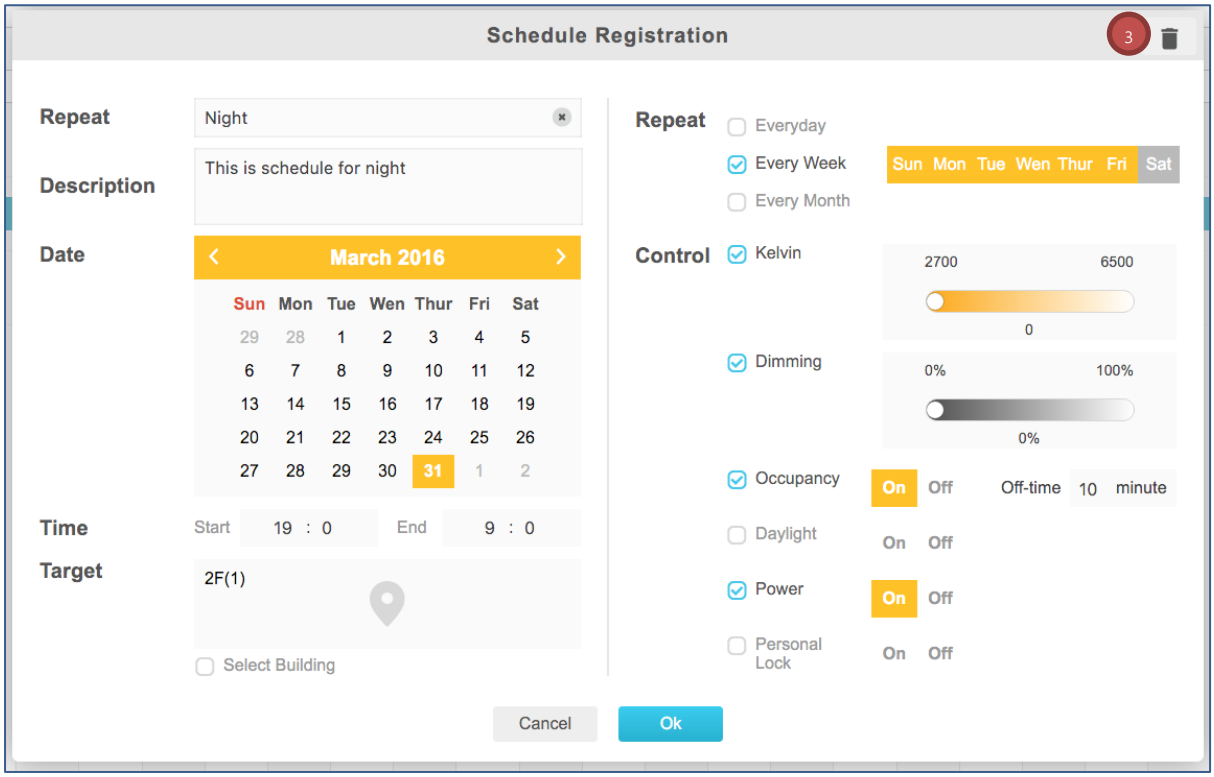
2.4.2.1 Registered schedules can be checked at a glance with detailed information



2.4.3 Checking and deleting schedule details

2.4.3.1 If you click on the schedule in the list or timeline, the detailed information confirmation popup appears 2

2.4.3.2 Delete schedule Click the top right button of the detail information popup 3



2.4.4 Creating Schedules

2.4.4.1 Click the Add button at the top right of the timeline or list

2.4.4.2 Schedule Registration Popup

2.4.4.2.1 Title

2.4.4.2.2 Schedule Description

2.4.4.2.3 Start date

2.4.4.2.4 Start Time / End Time

2.4.4.2.5 Target Devices

2.4.4.2.5.1 Select All 1

2.4.4.2.5.2 Partial Device Selection 2

2.4.4.2.5.2.1 Select the desired device and click the Save button 3

2.4.4.2.6 Repeat

2.4.4.2.6.1 Repeat every day

2.4.4.2.6.1.1 Schedule will run at a fixed time every day from the start date

2.4.4.2.6.2 Repeat every week

2.4.4.2.6.2.1 Weekly Schedule runs at a specified time of the specified day of the week

2.4.4.2.6.2.2 The day of the week specified as the start date must be selected

2.4.4.2.6.3 Repeat monthly

2.4.4.2.6.3.1 Schedule runs at the appointed time on the same day of the month from the start date

2.4.4.2.7 제어

2.4.4.2.8 Control

2.4.4.2.8.1 Check each control item and change it to the set value. Unchecked item means to maintain the existing state. 4

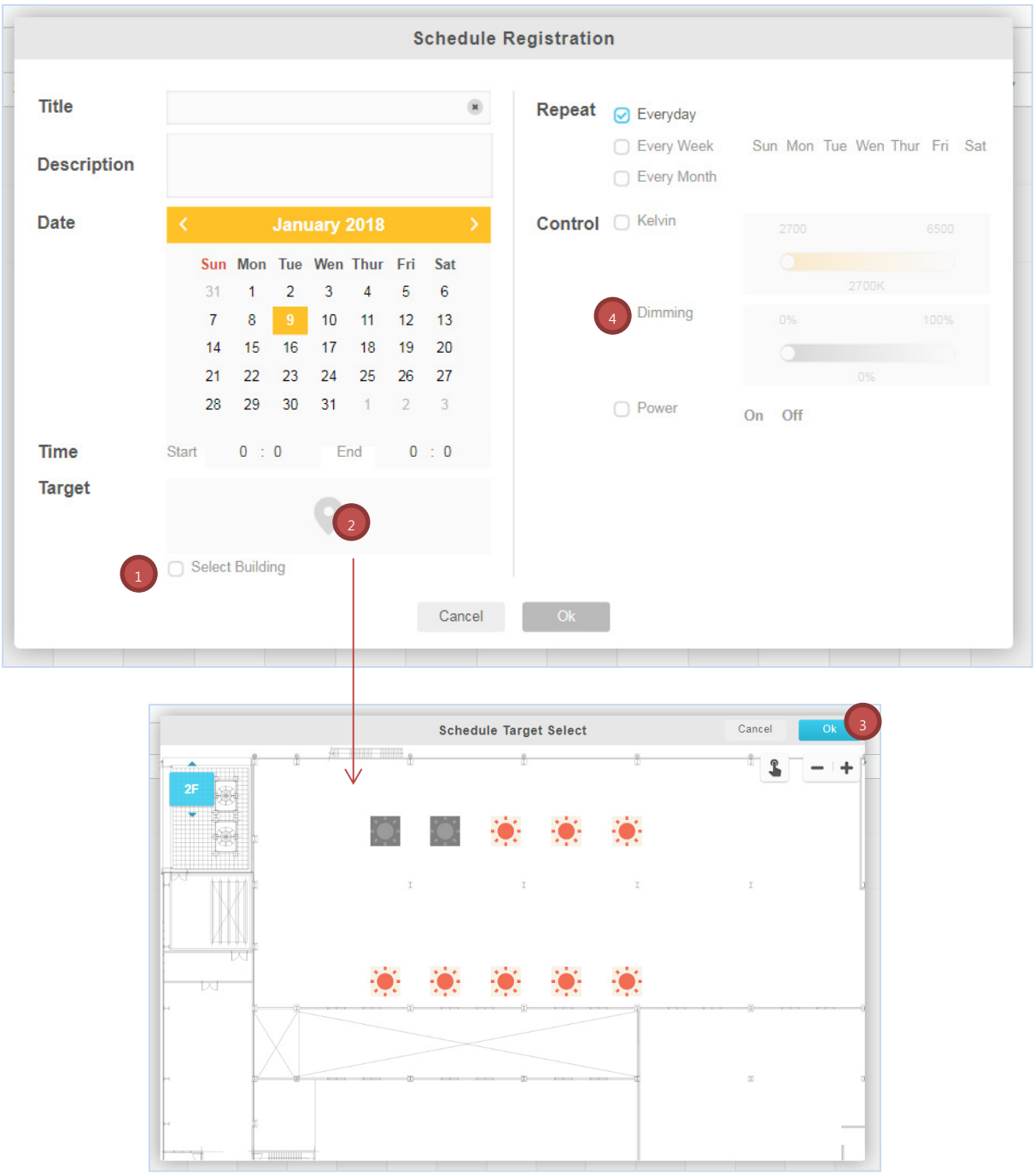
2.4.4.2.8.1.1 Color Temperature

2.4.4.2.8.1.1.1 2700-6500

2.4.4.2.8.1.2 Brightness

2.4.4.2.8.1.2.1 0-100

2.4.4.2.8.1.3 Power

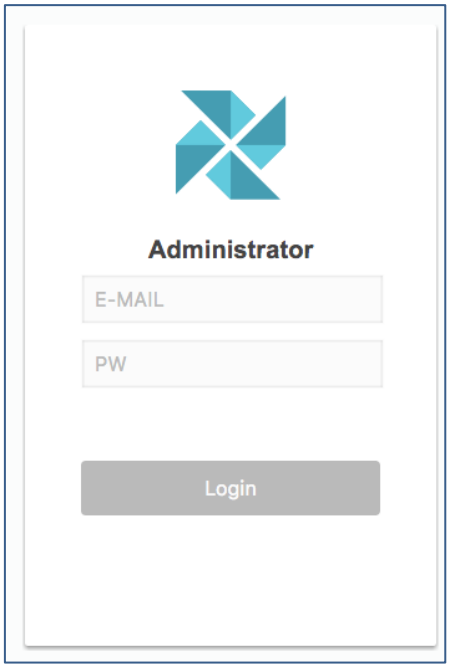

Schedule Registration
Title
Description
Date
January 2018
Sun Mon Tue Wen Thur Fri Sat
31 1 2 3 4 5 6
7 8 9 10 11 12 13
14 15 16 17 18 19 20
21 22 23 24 25 26 27
28 29 30 31 1 2 3
Time
Start 0 : 0
End 0 : 0
Target
2
1
Select Building
Repeat
Everyday
Every Week
Every Month
Sun Mon Tue Wen Thur Fri Sat
Control
Kelvin
2700
6500
2700K
4
Dimming
0%
100%
0%
Power
On Off
Cancel
Ok
Schedule Target Select
Cancel
Ok
3
2F

2.5 System Settings

System setting is the function to set administrator account, password policy, SMTP server and device layout information. Because all of these functions can change important information that can have a significant impact on the operation of the system, you must verify the administrator account when accessing the functions.

2.5.1.1 Account Identification

2.5.1.1.1 Before using each function, be sure to login again with administrator account



2.5.1.2 Password Policy

You can set a policy that limits the length of special characters and passwords that can be used for user or administrator passwords.

The already registered password does not reflect the modified policy, but it can be modified according to the modified policy at the time of modification.

2.5.1.2.1 Length Limitations

2.5.1.2.1 Length Limitations

2.5.1.2.2 Available special characters

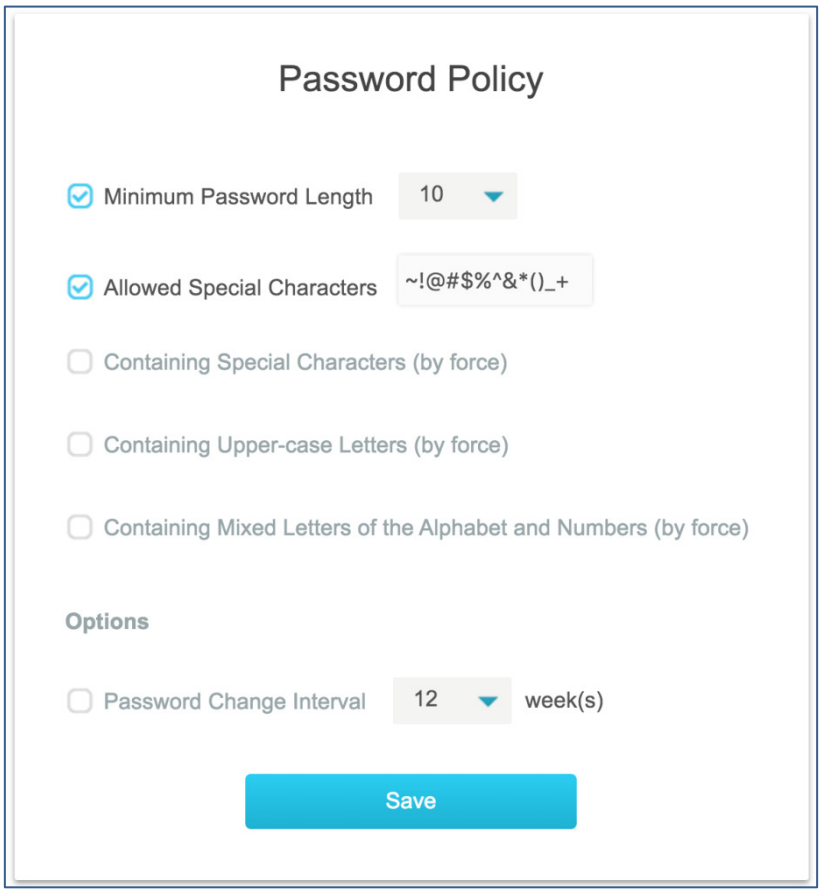
2.5.1.2.3 Forcing Special Characters

2.5.1.2.4 Complex Case

2.5.1.2.5 Character / number combination

2.5.1.2.6 Password Change Cycle

2.5.1.2.6.1 Setting the Password Change Cycle sends a message to reset all users' passwords for a fixed period of time



2.5.1.3 SMTP Settings

2.5.1.3.1 * Refer to 1-D

2.5.1.4 setting Up Floor Layout

2.5.1.4.1 * See 1-F

2.6 Statistics

Statistical information is divided into real-time data and cumulative data.

Real-time data shows real-time power usage from 0 to 24 hours today.

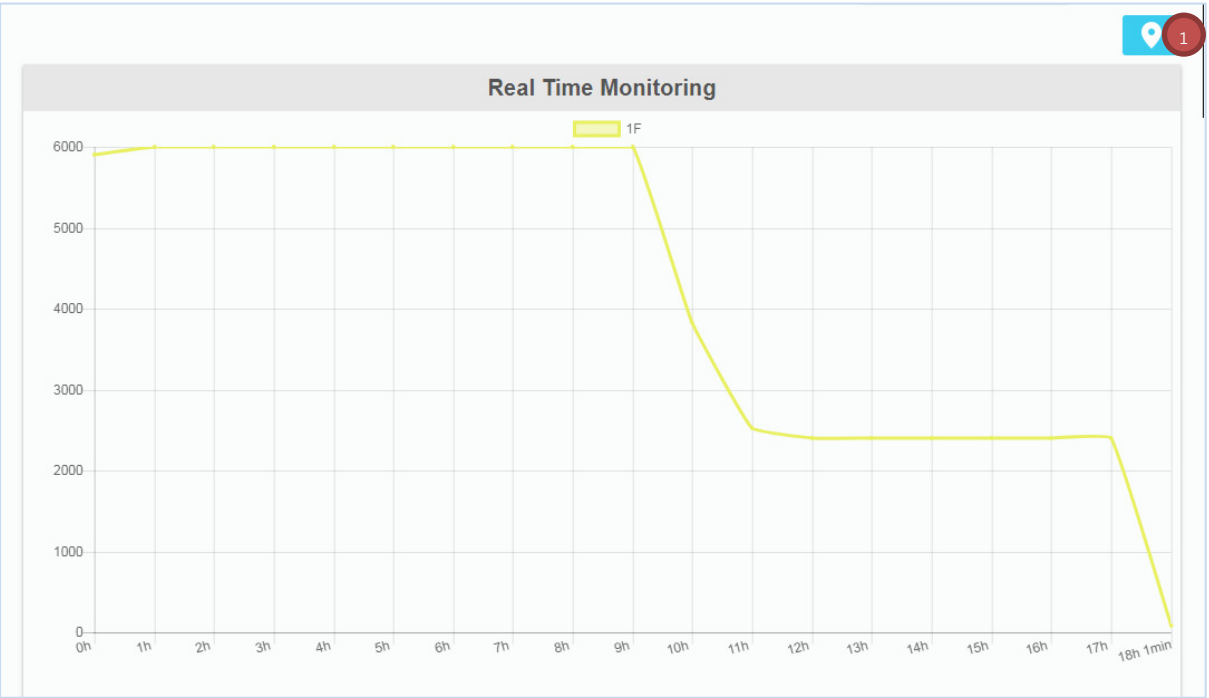
The cumulative data can be seen in two types of graphs of power usage over a desired period of time.

2.6.1.1 Real-time monitoring

2.6.1.1.1 Change destination 1

2.6.1.1.1.1 Function is the same as schedule target selection (see * 2-D schedule registration)

2.6.1.1.2 Automatic information update once a minute



2.6.1.2 Cumulative Data

Cumulative data graph is a function to check the accumulated power usage data when the system is operated. Each graph can compare up to five targets at the same time, and you can check up to five graphs at a time.

2.6.1.2.1 Adding a new graph

2.6.1.2.1.1 Graph Type Selection 1

2.6.1.2.1.1.1 bar

2.6.1.2.1.1.2 Line

2.6.1.2.1.2 Enter a title 2

2.6.1.2.1.3 Data Period 3

2.6.1.2.1.3.1 Calendar Popup Exposure When Clicking Calendar Icon

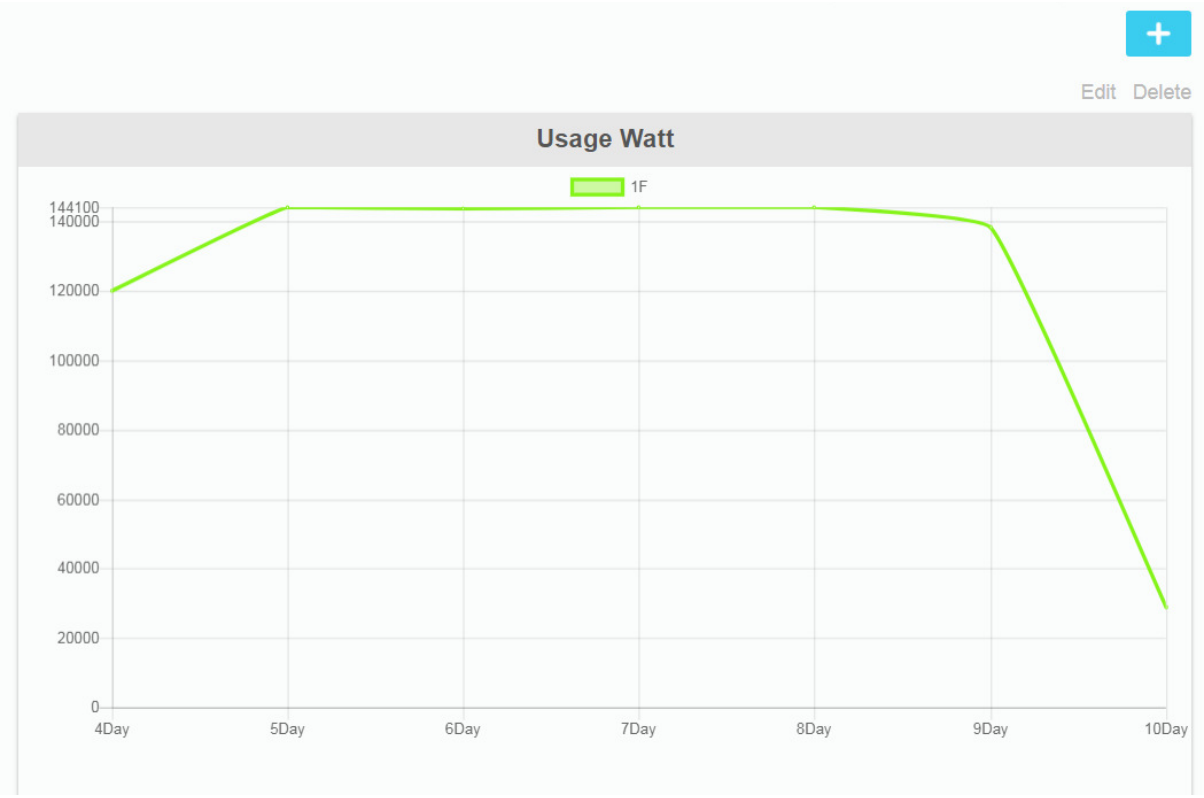
2.6.1.2.1.3.2 Upper calendar: Start date 4

2.6.1.2.1.3.3 Down Calendar: End date 5

2.6.1.2.1.4 Target Selection (* 3-D Schedule Target Selection Method) 6

2.6.1.2.1.5 Entire target

2.6.1.2.1.6 Selecting Partial Targets

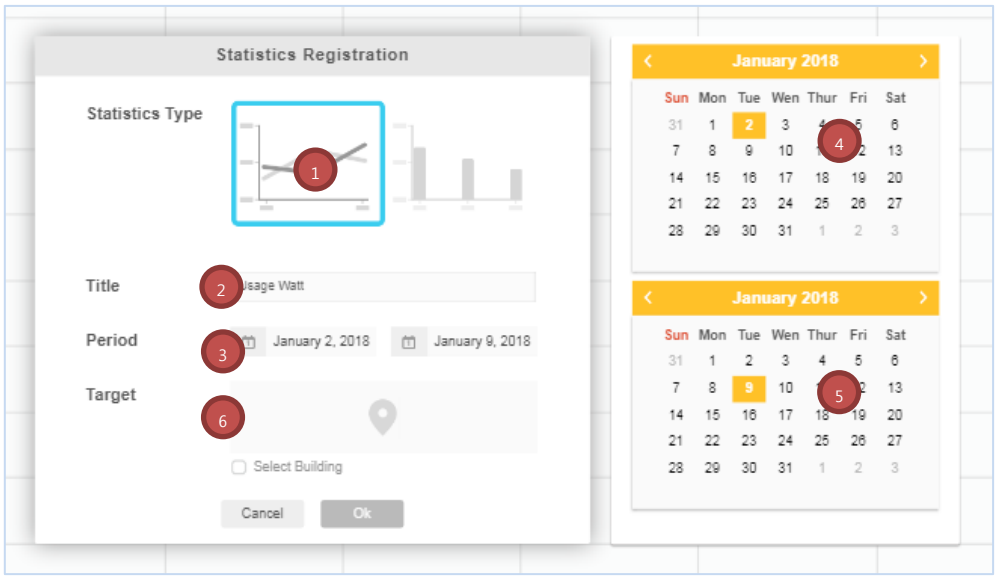


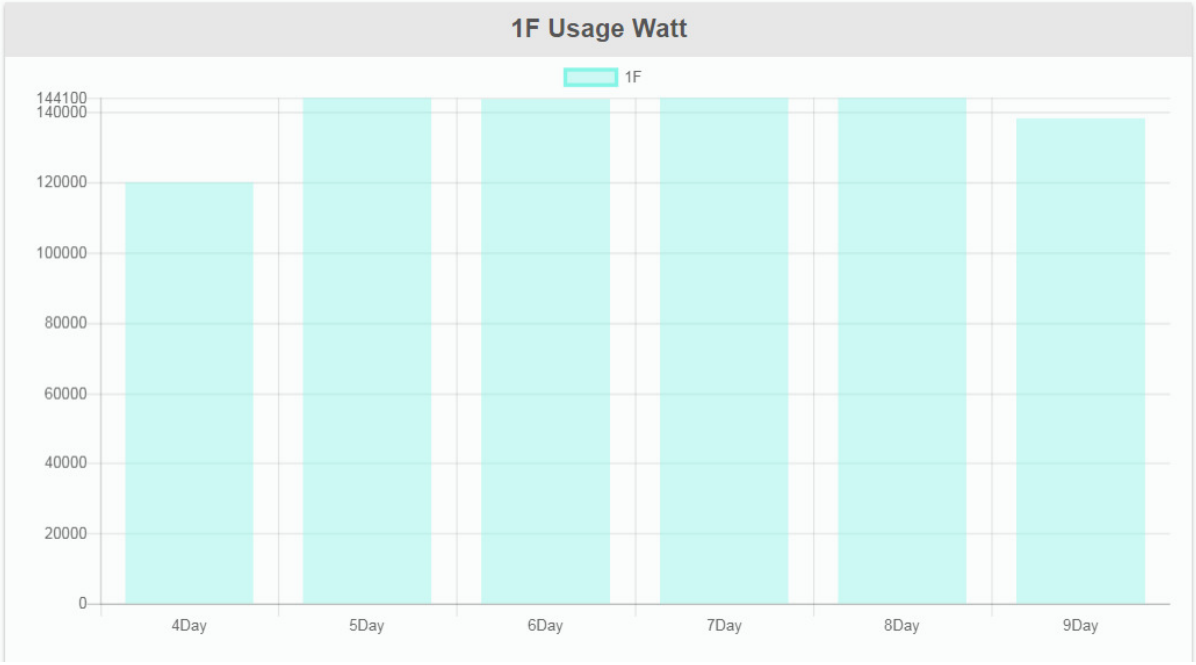
2.6.1.2.2 Delete Graph

2.6.1.2.2.1 Delete button at the upper right of the graph to be deleted

2.6.1.2.3 Changing the Graph

2.6.1.2.3.1 Modify Information in the Same Way as Create Popup


Statistics Registration
Statistics Type
1
Title
2
Usage Watt
Period
3
January 2, 2018
January 9, 2018
Target
6
Select Building
Cancel
Ok
January 2018
Sun Mon Tue Wen Thur Fri Sat
4
5
January 2018
Sun Mon Tue Wen Thur Fri Sat


1F Usage Watt
1F
144100
140000
120000
100000
80000
60000
40000
20000
0
4Day
5Day
6Day
7Day
8Day
9Day

(CLASS B)

FCC Information to User

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

• Reorient or relocate the receiving antenna.

• Increase the separation between the equipment and receiver.

• Connect the equipment into an outlet on a circuit different from that to which the receiver is con-nected.

• Consult the dealer or an experienced radio/TV technician for help.

Caution

Modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC Compliance Information : This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation

IMPORTANT NOTE:

FCC RF Radiation Exposure Statement:

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

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※ For product inquiries and AS, Please contact SAMJIN LND Co., Ltd (representative number: 031-379-2020) for further information

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