

User Manual for DALI Center

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DALI Center Introduction

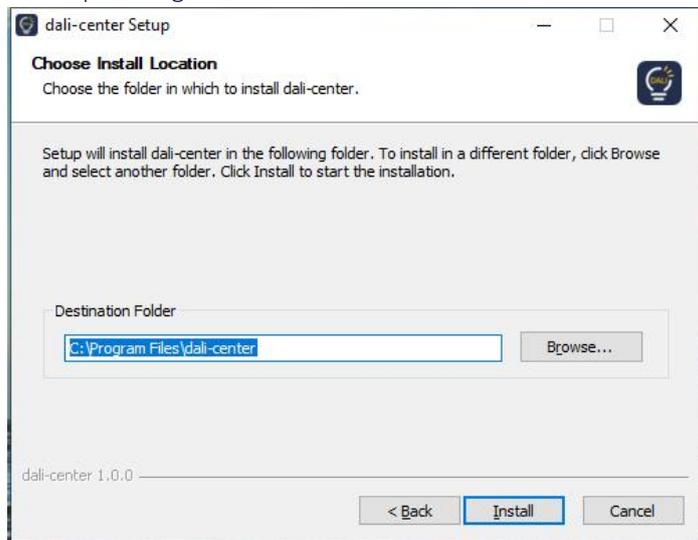
DALI Center is an independently developed lighting management platform by Sunricher, designed specifically for public building construction. The system only needs to be installed on a local computer and does not require a dedicated server. The configuration and control process are extremely simple. It covers functions such as group setting, scene setting, energy consumption tracking, and equipment fault alarming. The platform is seamlessly integrated with various DALI devices, including DT6, DT8 Tc, DT8 XY, DT8 RGBWA, as well as DALI-2 input panels and sensors, etc.

Install DALI Center Software

Download the DALI Center software installation package from the SUNRICHER official website: <https://www.sunricher.com>

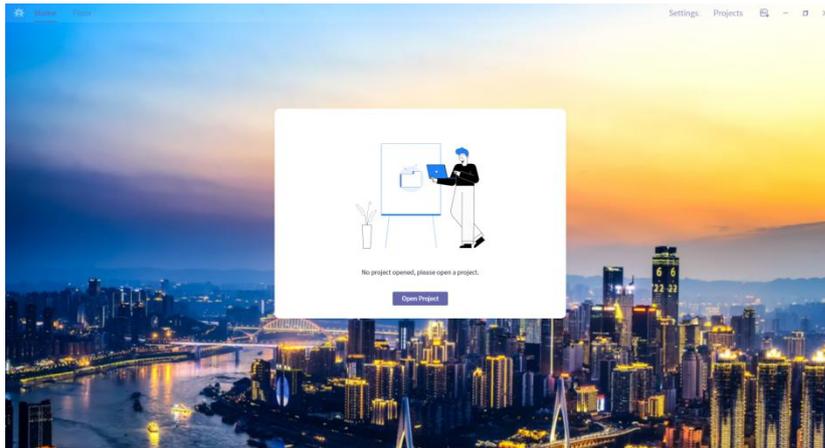


Double-click the software installation package, select the installation location (or keep the default system location), click "Install", and then the software will automatically install to the corresponding location.



Start DALI Center

First, make sure that all the gateways have been connected to the local area network, and that the computers can access the same local area network through WiFi or network cables. Then, you can double-click to launch the software. When you first start DALI Center, the software will appear with the following interface. Next, you can open a project and start the setup process.

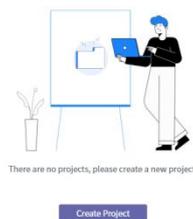


Switch Software Language

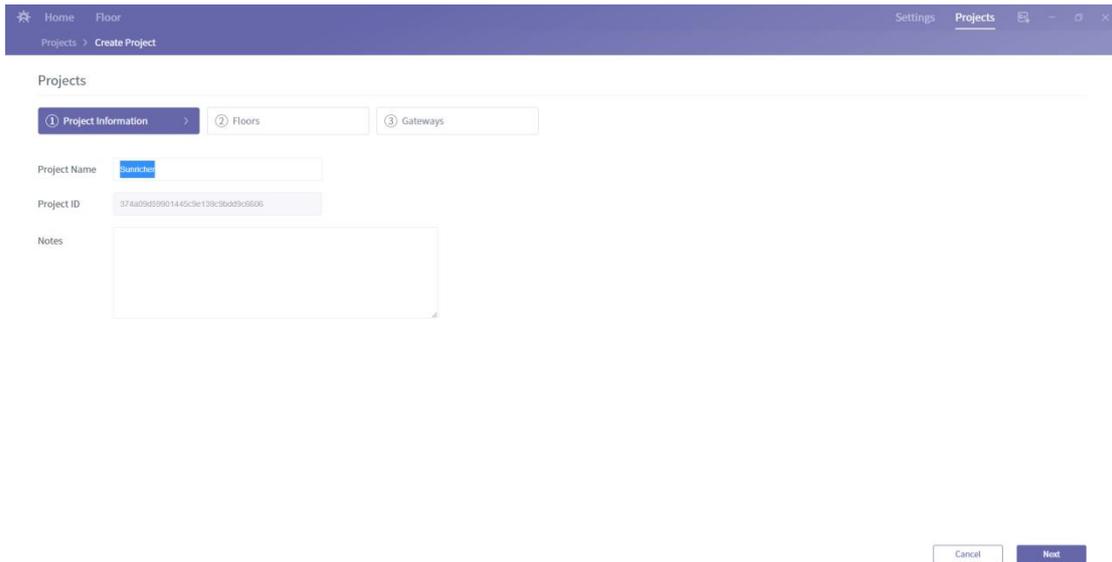
The default language of the software is English. If you want to switch to Chinese, you can click the icon  in the upper right corner of the start screen, and the software will automatically switch to Chinese. Currently, the software only supports two language versions: Chinese and English.

Create a New Project

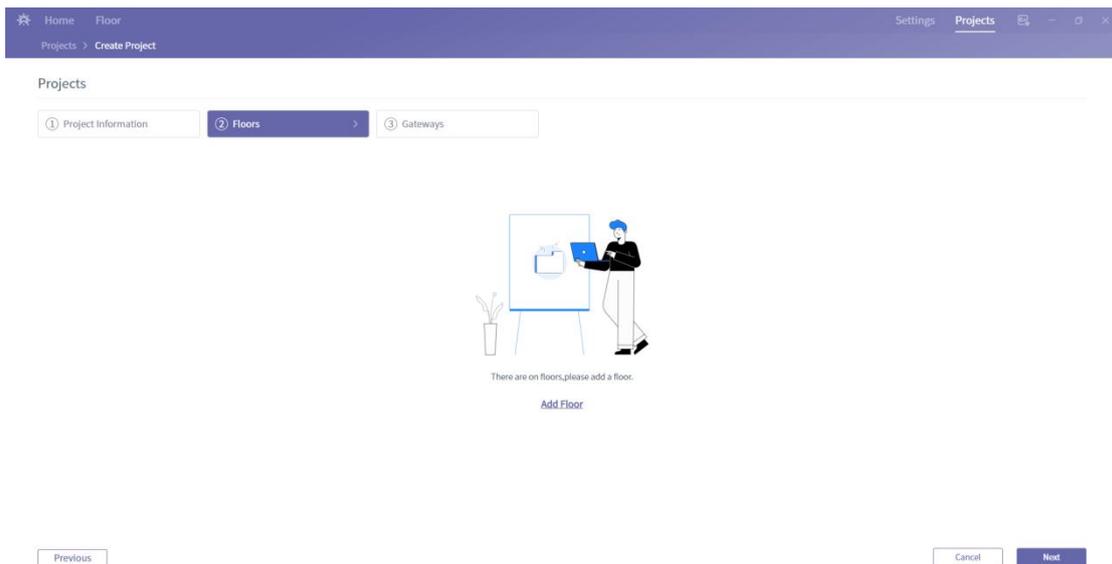
Click **Open Project** in the middle of the start screen to enter the project creation page. Click **Create Project** to start creating a new project, as shown below.

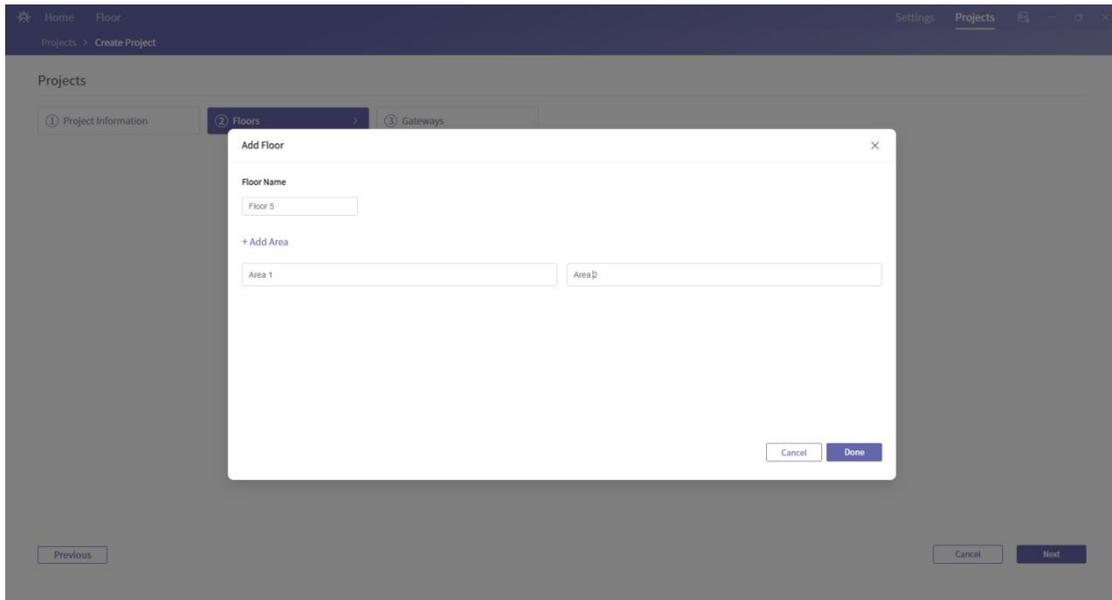


Enter the first step of the project creation, edit the project name. The project note is optional to fill in, and then click Next, as shown below.

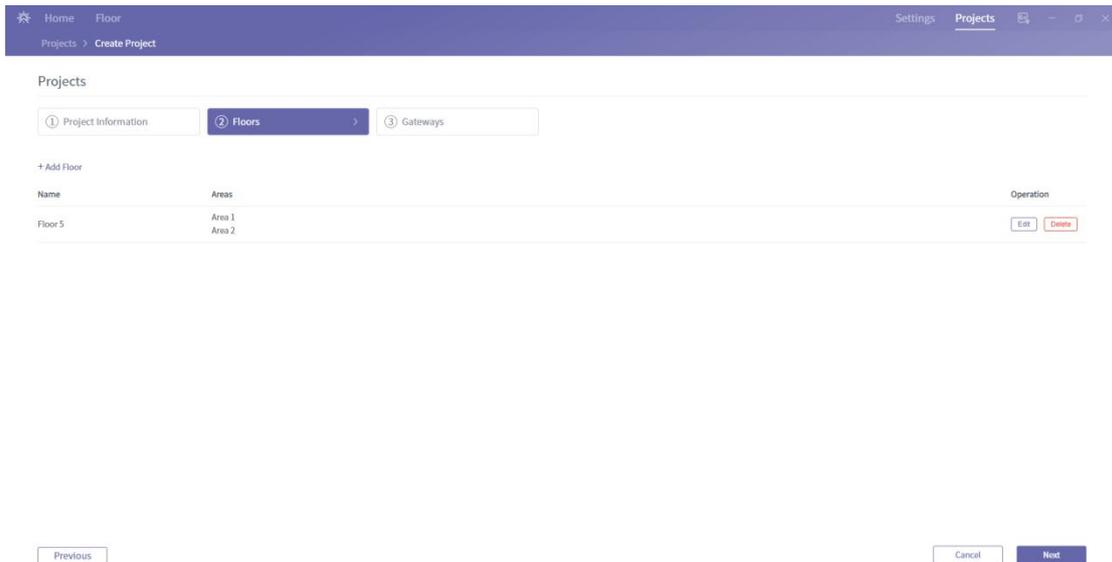


Enter the second step of the project creation by clicking **Add Floor**, which will pop up the floor creation interface. Edit the floor name and click **+Add Area** to create a zone. You can create multiple zones simultaneously if needed, and click **Done** to complete.

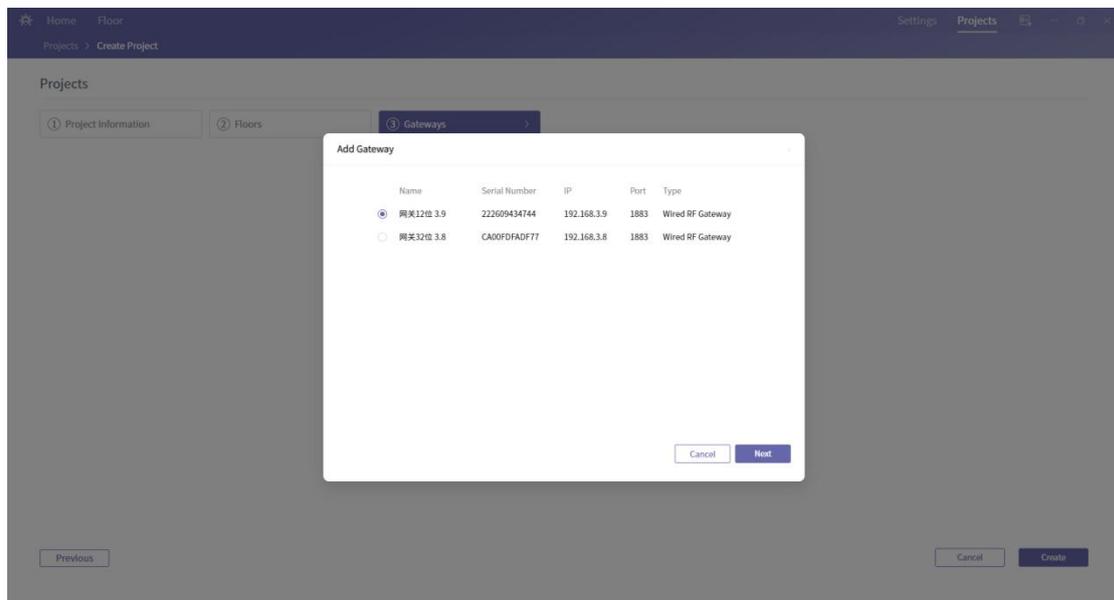
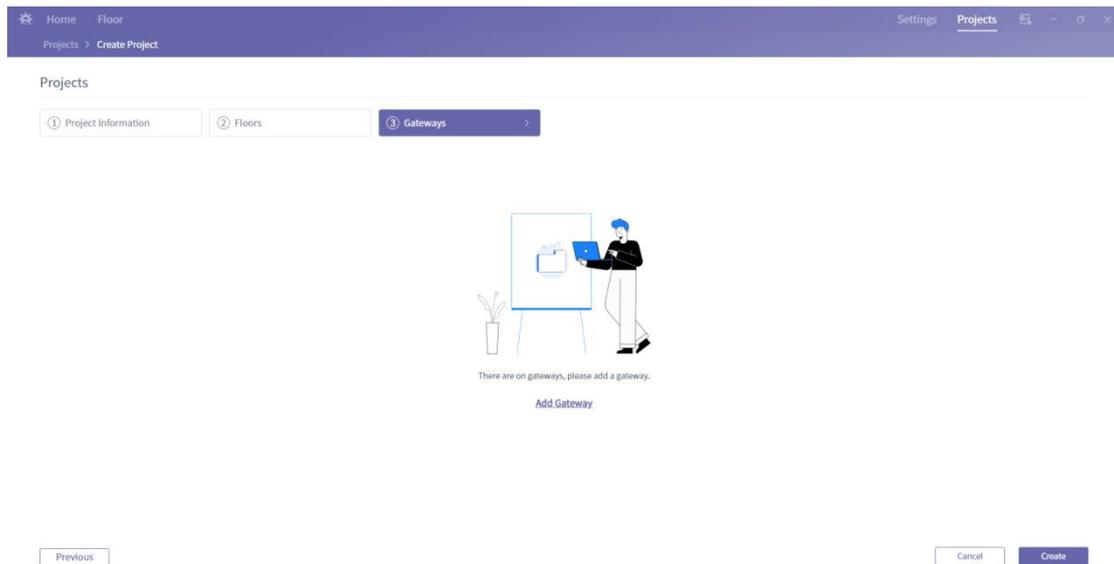




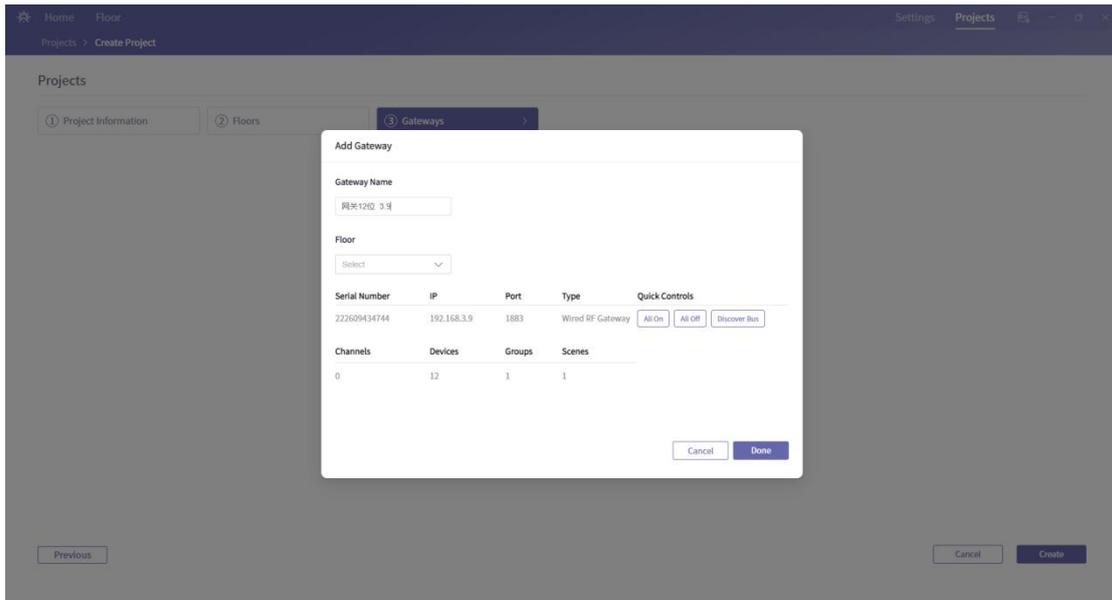
At this point, you can see the newly created floors and zones appear in the list. You can continue to click **+Add Floor** to create new floors and zones, or click **Edit** on the right of the floor list to modify floor and zone information. If you need to go back to the previous layer to modify project information, you can click **Previous**. Here, we click **Next** to continue creating the project, as shown below.



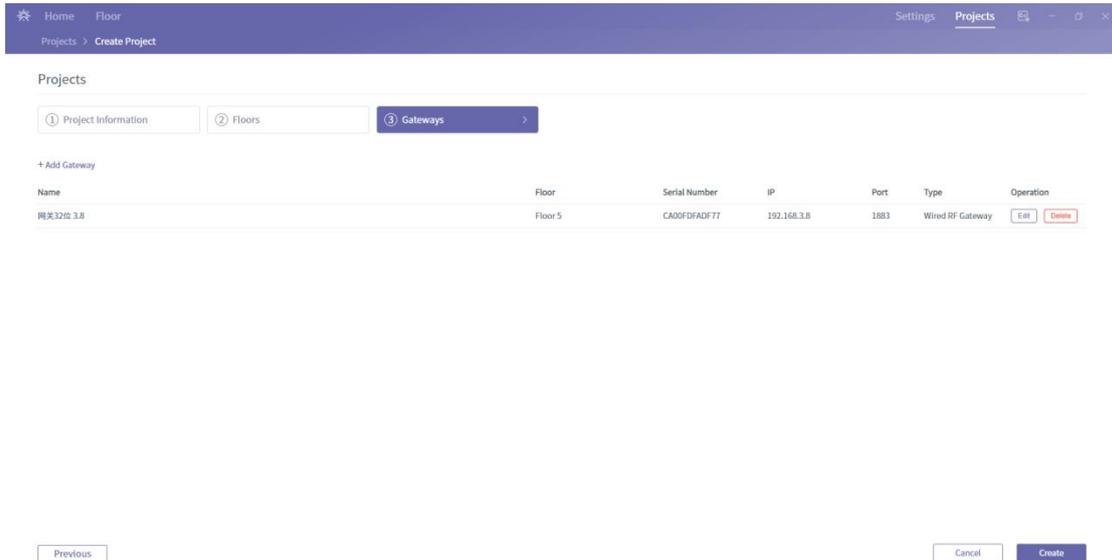
Enter the third step of the project creation by clicking **Add Gateway**, which will pop up the gateway addition interface. All gateways will automatically appear in the list, select the corresponding gateway, and click **Next**.



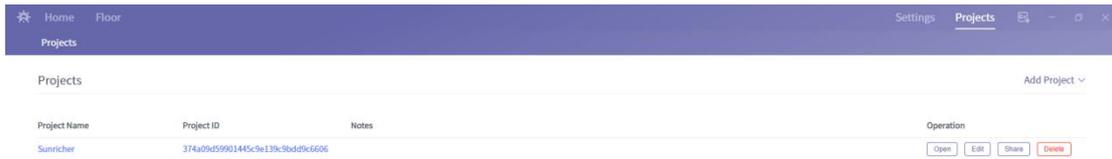
Enter the current page, and you will see detailed information about the current gateway, including IP address, number of devices/groups/scenes, etc. You can click [All On](#) or [All Off](#) to identify the location of the current gateway. If new devices are added, you can click [Discover Bus](#) to re-search all devices under the current gateway. You can also modify the gateway name and select the floor from the drop-down list below. After confirming all the information, click [Done](#), as shown below.



Here you can see the gateway you just added appears in the gateway list. If you need to add more gateways, you can click **+Add Gateway** and repeat the previous operation. If you need to modify gateway information, you can click **Edit** on the right of the gateway in the list. After assigning all gateways, click **Create** in the lower right corner to complete the project creation and return to the project list, as shown below.

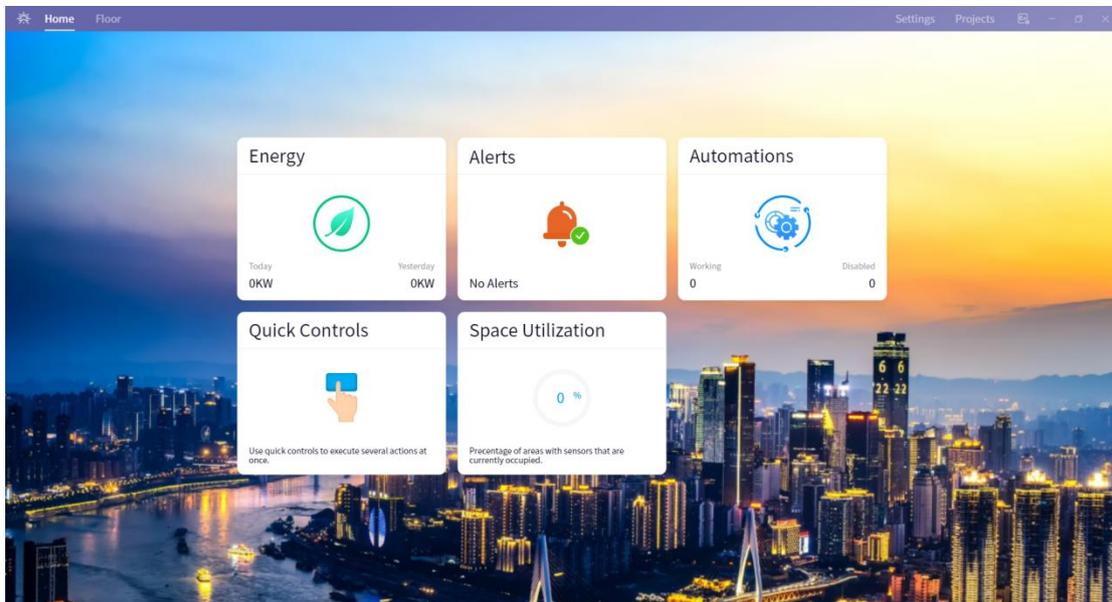


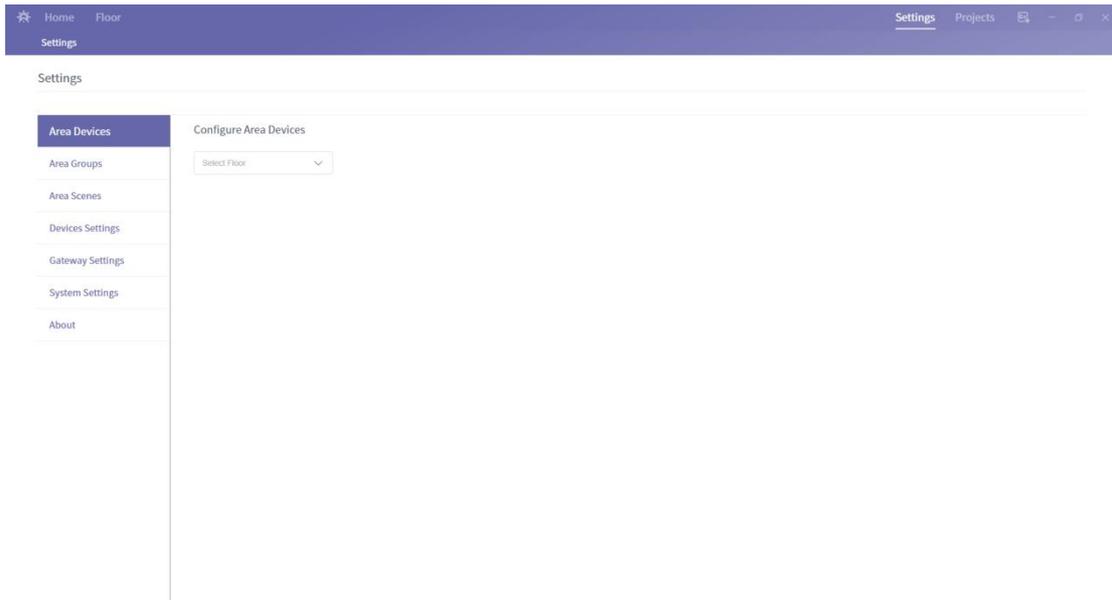
Now you can see the project you just created appears in the project list. If you need to modify the project information, you can click the **Edit** button on the right of the project, as shown below.



Settings

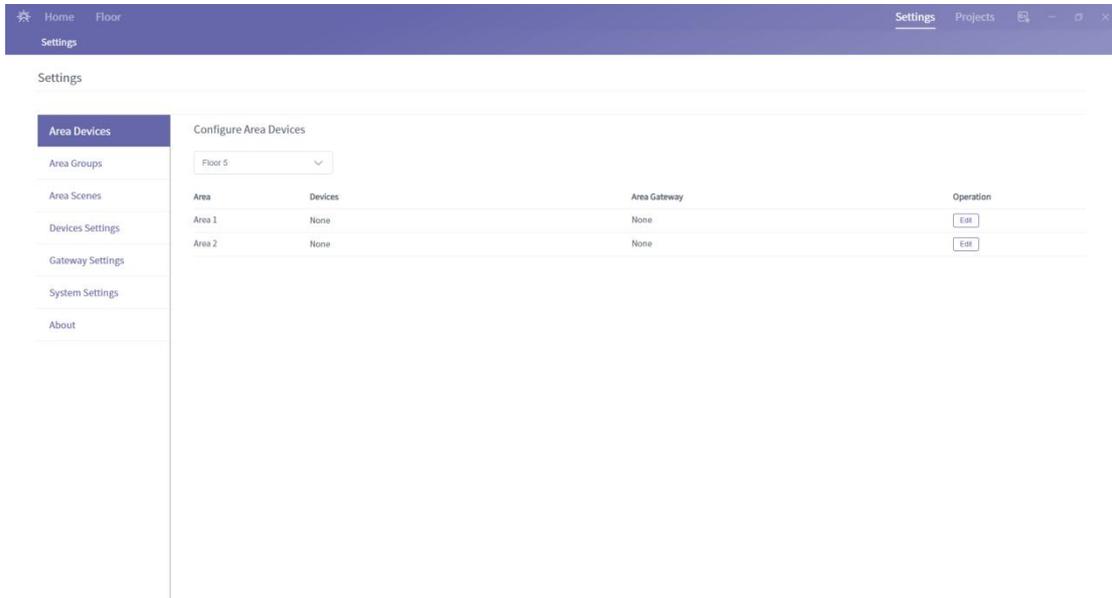
On the project list page, click [Open](#) to open the project and enter the project overview page. Then click [Settings](#) in the upper right corner to enter the settings page. You can allocate devices for all areas, add groups/scenes, set device addresses and various parameters, and set the time zone for gateways, etc. as shown below.





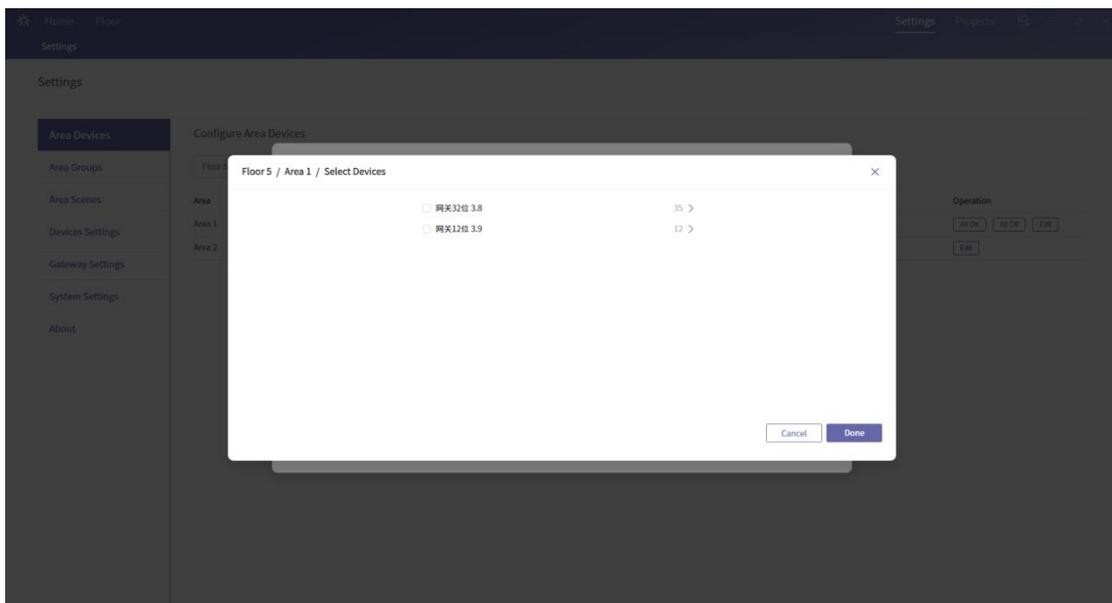
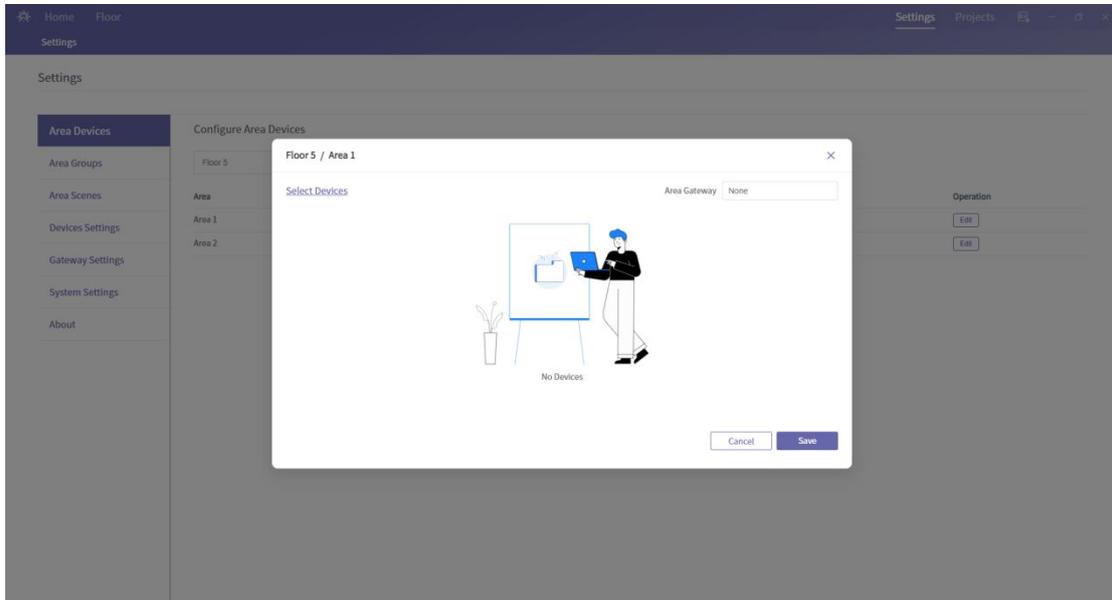
Assigning Devices to Areas

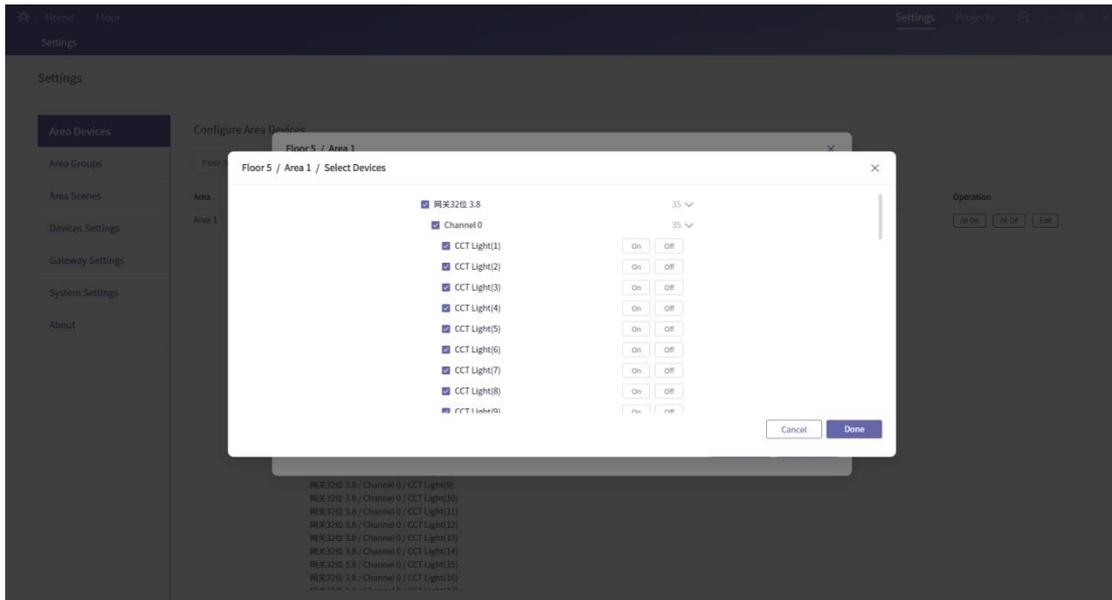
On the settings page, select the left-hand menu option "**Area Devices**" to enter the page for assigning devices to areas. Under the heading "Configure Area Devices", select the floor, such as "**Floor 5**" created during project creation. The page will automatically display the areas "Area 1" and "Area 2" that belong to Floor 5, as shown below.



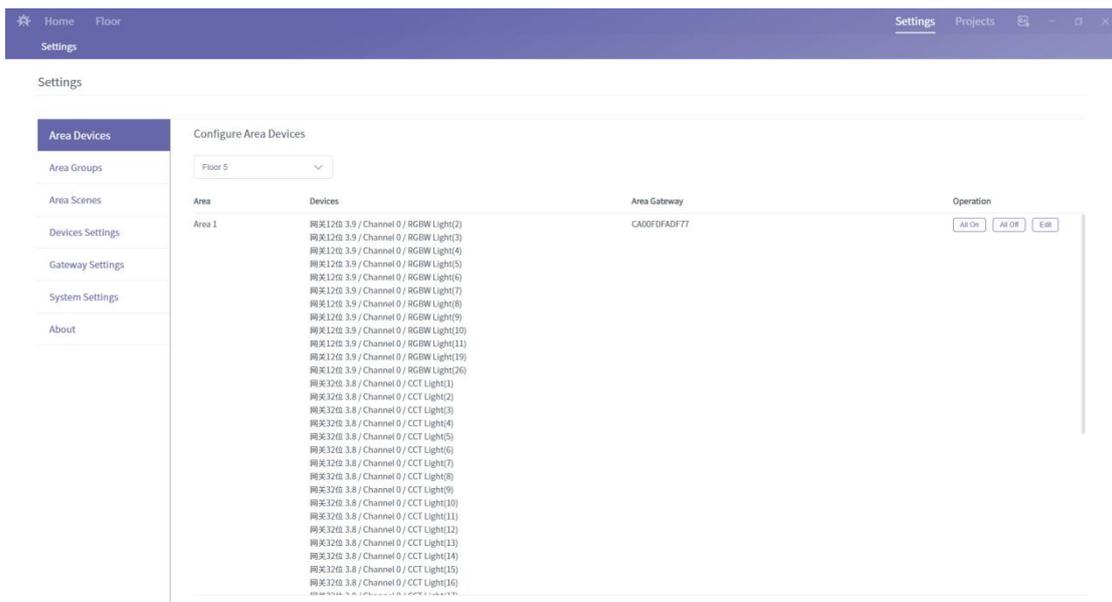
Clicking the [Edit](#) button next to Area 1 will automatically pop up the editing page for the area's device list. Click the Select Devices button in the upper left corner to enter the selection page. On this page, you can expand all devices under the gateway **Channel** and select them one by one, or select all devices under the current gateway/**Channel** by selecting the gateway/**Channel**. There is an **On** and **Off** button next to each device, which can be clicked to identify the device.

Note: Devices from different gateways can be added to the same area, and devices from a single gateway can be assigned to different areas. However, a single device can only be added to one area. For example, if device A is added to Area 1, it cannot be added to Area 2.



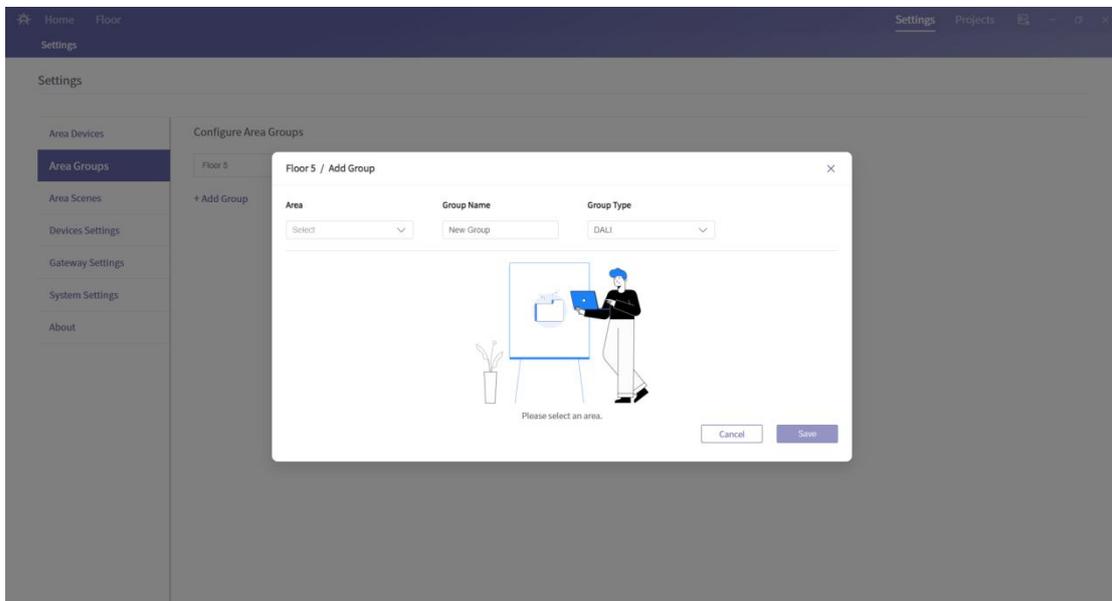
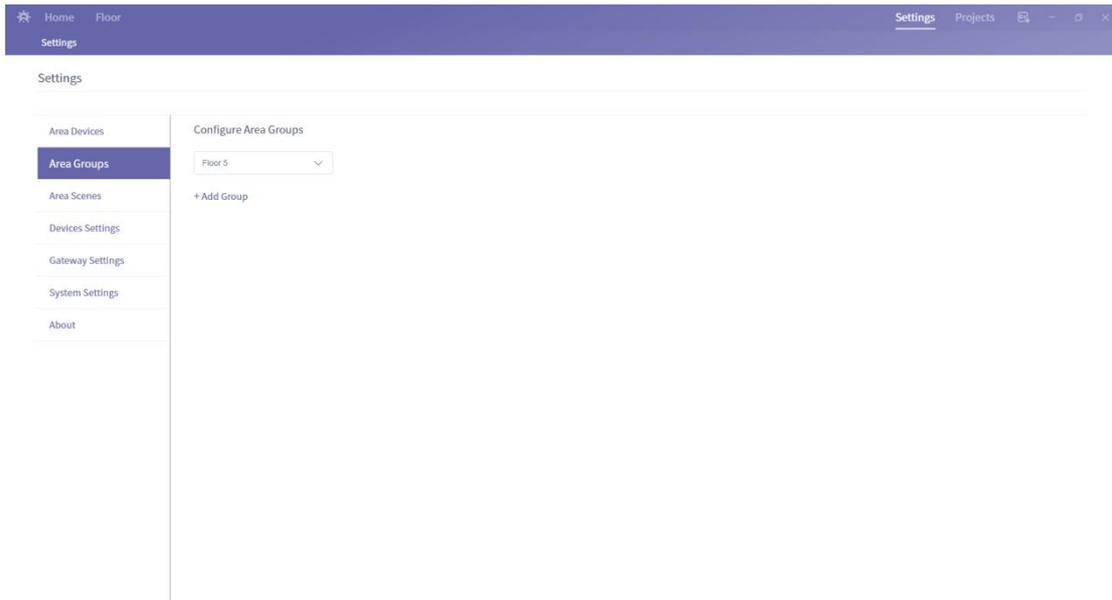


Clicking Done will complete the addition of devices and exit the device selection page. At this point, you can see that all the selected devices have appeared in the list. You can control all devices in the area by clicking the [All On/All Off](#) button on the right of the list, and you can re-enter the device selection page by clicking [Edit](#).



Add/Set Group

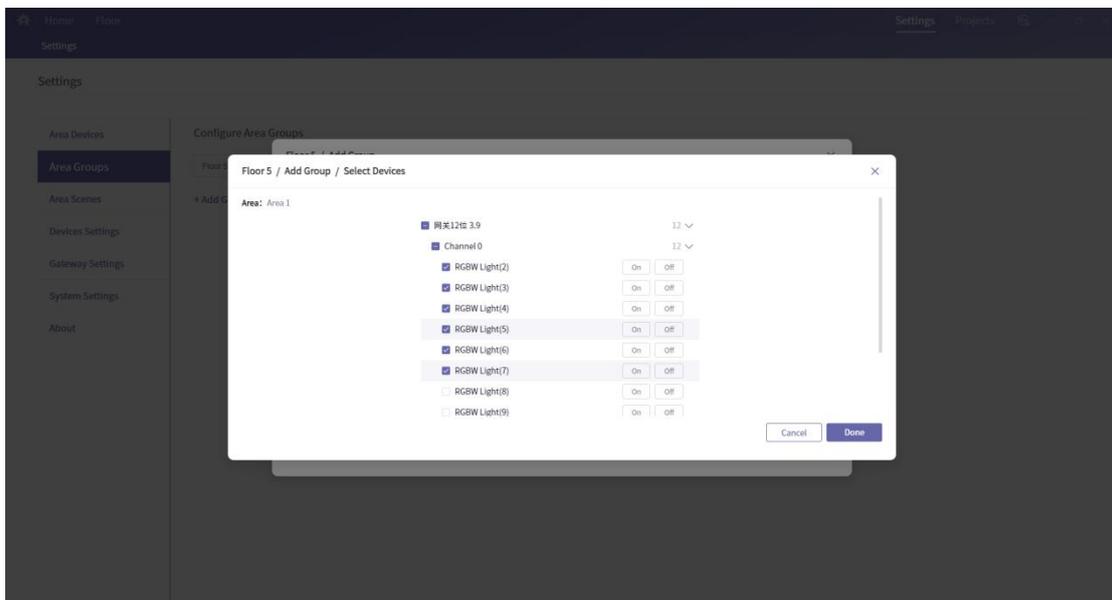
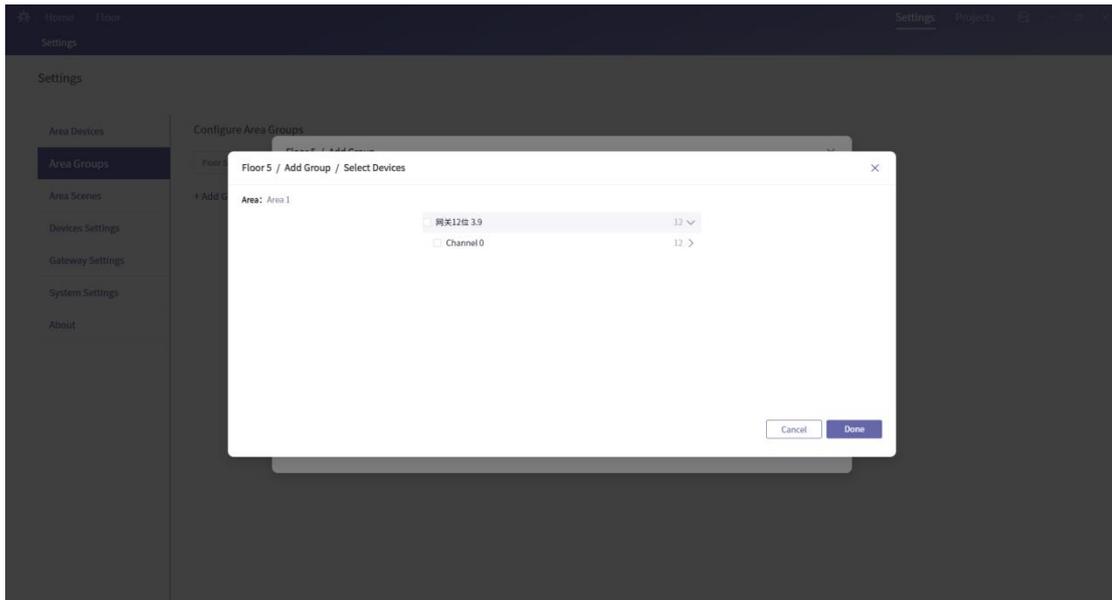
On the settings page, select the [Area Groups](#) menu on the left to enter the area group page. Under the Configure Area Groups heading, select the floor, such as [Floor 5](#) created during the previous project creation, and click [+Add Group](#). The Create Group page will automatically pop up, as shown below.



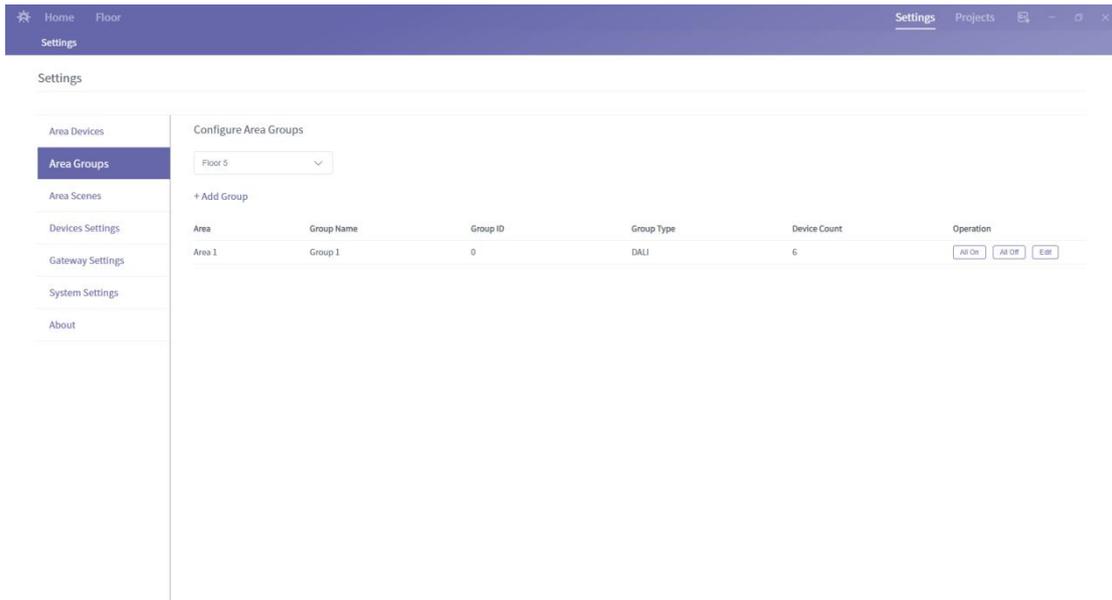
Select an area such as [Area 1](#), modify the group name to [Group 1](#), choose a group type such as [DALI](#).

Note: There are 2 types of group, [DALI](#) and [Virtual](#). The maximum number of groups for DALI type is 16, with group IDs ranging from 0-15. There is no limit to the number of groups for Virtual type, and the group IDs start from 16.

Click [Select Devices](#) below to enter the device selection page. On this page, you can expand all devices under Gateway [Channel](#) and select them one by one, or select all devices under Gateway/[Channel](#) by selecting Gateway/[Channel](#). There is an [On](#) and [Off](#) button on the right of each device that you can click to identify individual devices as shown in the pictures below.



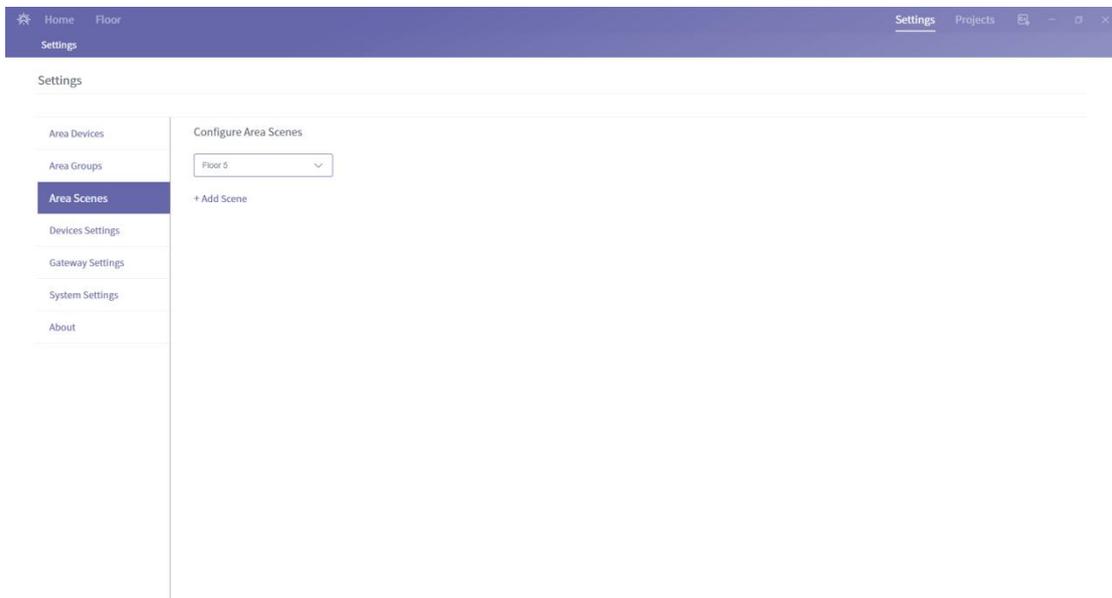
Click [Done](#), then click [Save](#) to save the currently selected devices and return to the group page. You can see the newly created group appears in the list. From the list, you can see that the group type is DALI, the group ID is 0, and the number of devices in the group is 6. You can click [All On](#) or [All Off](#) on the right of the group to control the group, or click [Edit](#) to return and modify the group again. As shown in the picture below.

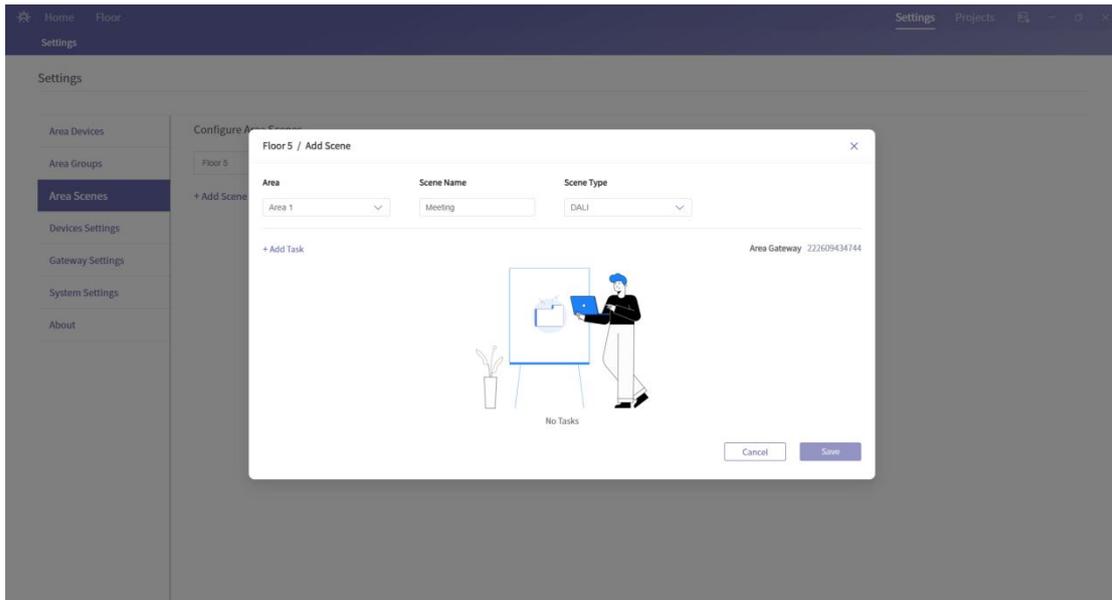


Note: Unlike areas, a device can be added to multiple groups.

Add/Set Scene

On the settings page, select the [Area Scenes](#) menu on the left to enter the area scene page. Under the Configure Area Scenes heading, select the floor, such as [Floor 5](#) created during the previous project creation, and click [+Add Scene](#). The Create Scene page will automatically pop up, as shown below.





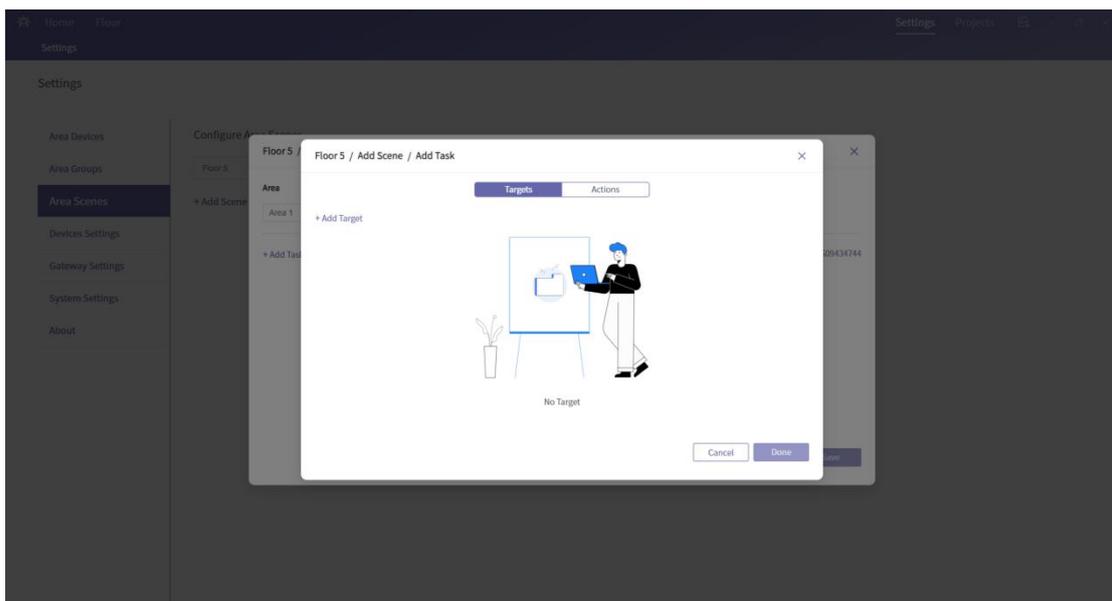
Select an area such as **Area 1**, modify the scene name such as **Meeting**, choose a scene type such as **DALI**.

Note: There are 2 types of scene, **DALI** and **Virtual**. The maximum number of scenes for DALI type is 16, with scene ID ranging from 0-15. There is no limit to the number of scenes for Virtual type, and the scene ID start from 16.

Then click **+Add Task** to enter the scene setup page. There are two parameters to be set on this page:

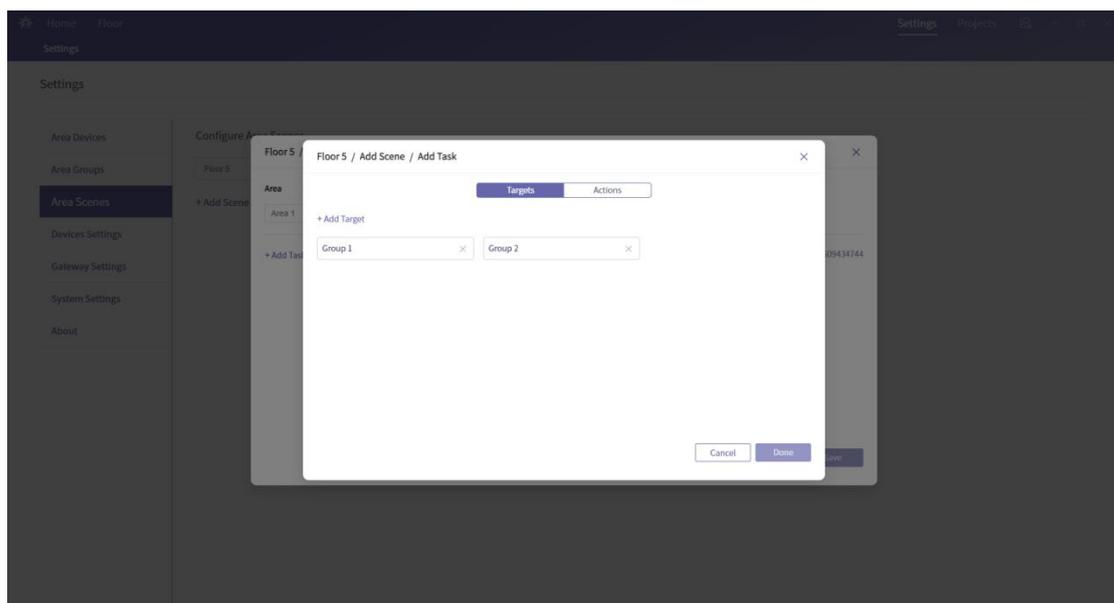
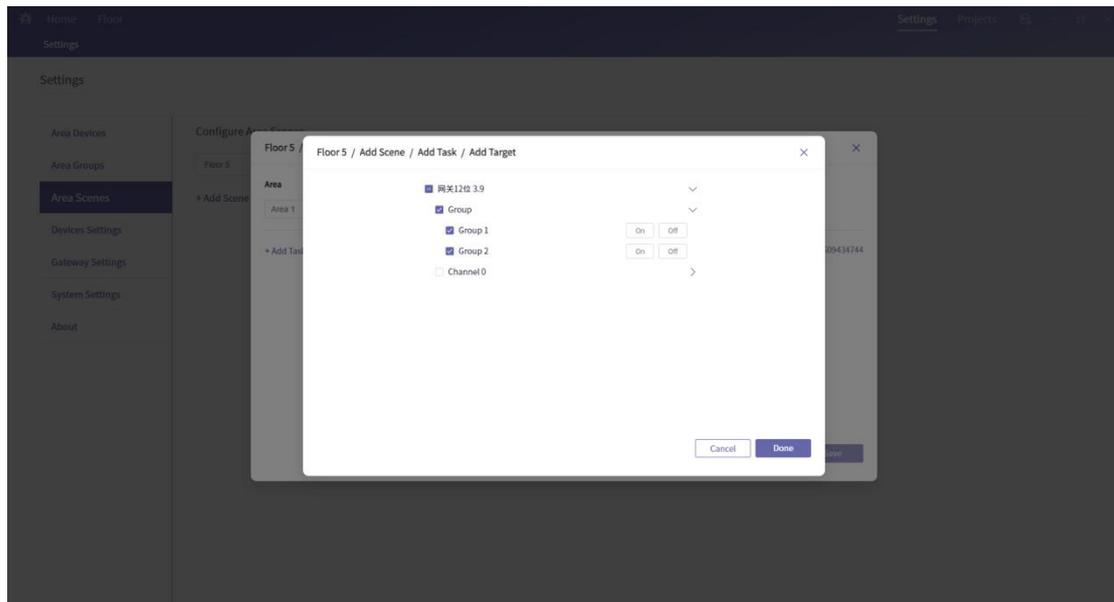
Targets: Select the target devices involved in the current scene, you can select a group/individual device.

Actions: Set the device status for the current scene, including ON/OFF, brightness, color temperature, and color parameters.



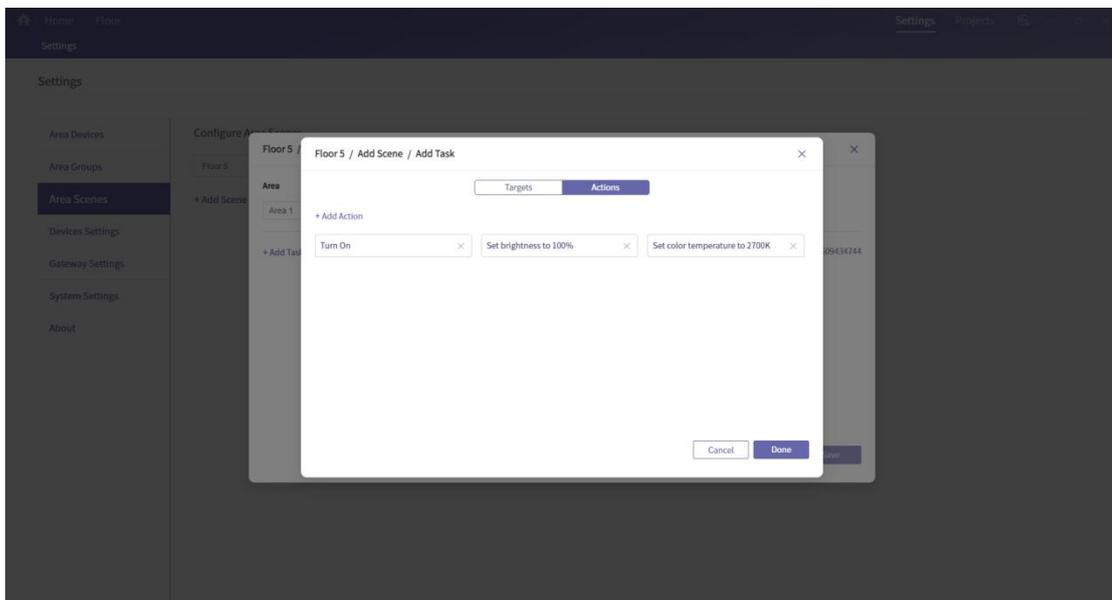
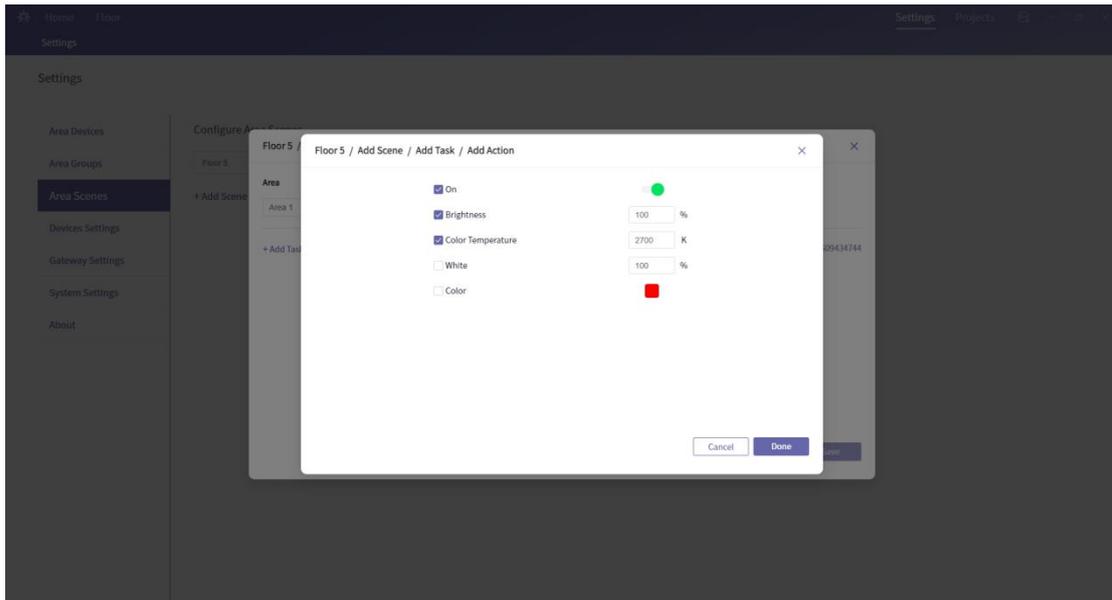
Set Scene Targets

On the Targets page, click **+Add Target** to select individual or multiple groups or devices. Click Done to complete the selection, as shown below.

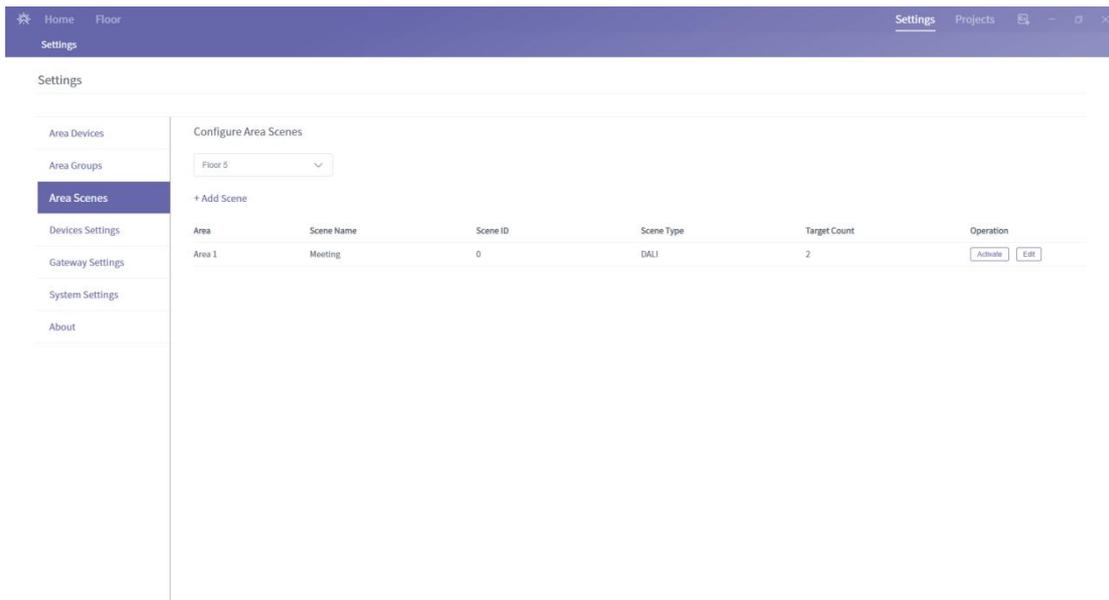


Set Scene Actions

On the Actions page, click **+Add Action** to set the scene status. Click **Done** to complete the scene status settings, as shown below.

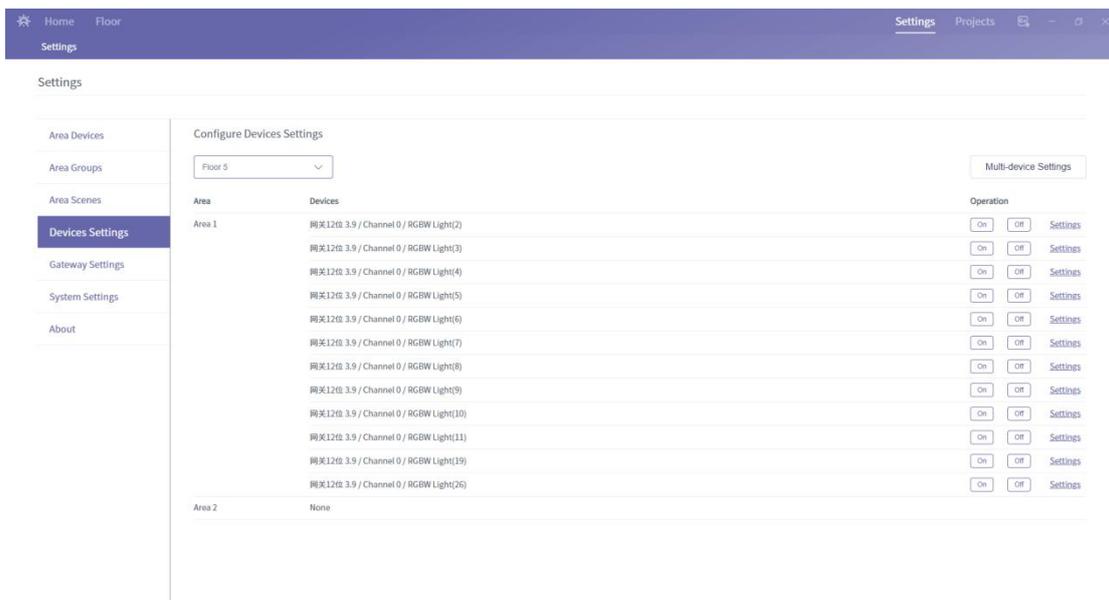


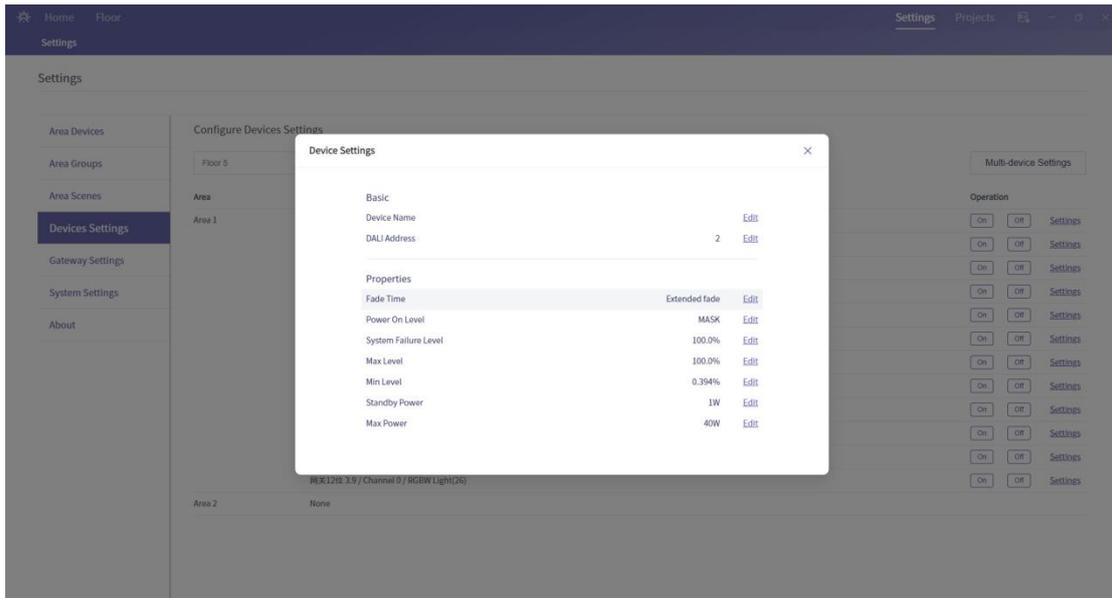
Click [Done](#), then click [Save](#) to complete the scene creation. You can now see the newly created scene in the scene list. From the list, you can see that the scene type is DALI, the scene ID is 0, and the number of target devices for the scene is 2. Click [Activate](#) to activate the current scene, or click [Edit](#) to return and modify the current scene again, as shown below.



Set Device Address/Parameters

On the settings page, select the **Devices Settings** menu on the left to enter the device setup page. Under the **Configure Devices Settings** heading, select the floor created during the previous project creation, such as **Floor 5**. All devices belonging to that floor will automatically appear in the list. You can click the **On** or **Off** button on the right of each device to identify them, then click **Settings** to enter the device information modification page, or click **Multi-device Settings** to enter the batch modification device parameter page, as shown below.





Basic parameters

Device Name: Device name

DALI Address: DALI address of the device 0-63

Properties parameters

Fade Time: Device fade-in/fade-out time 0-15

Power On Level: Device brightness level when powered on 0-255 (MASK)

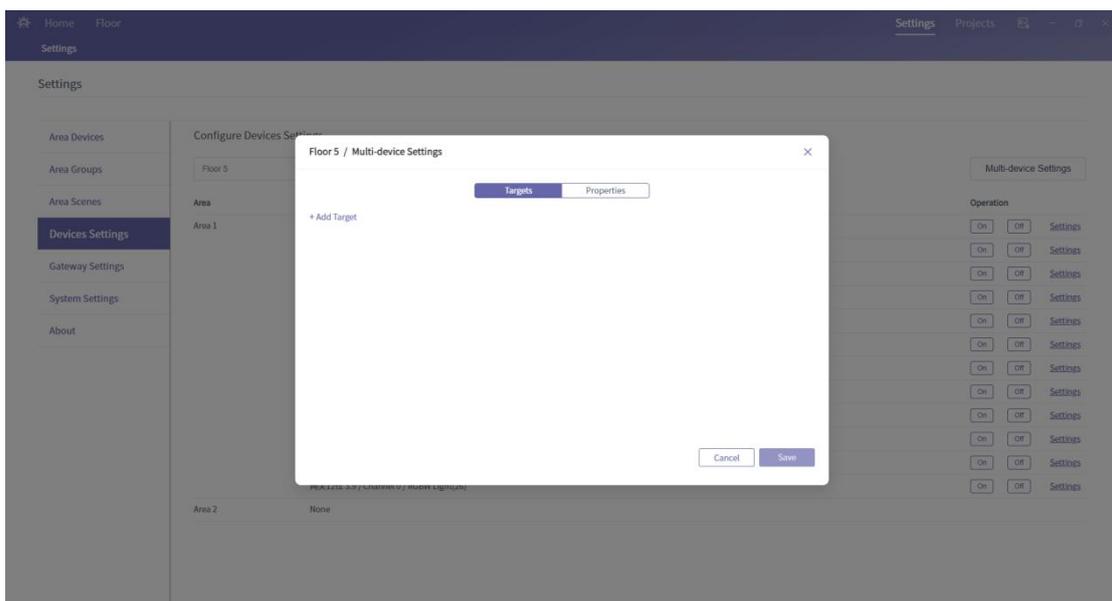
System Failure Level: Device brightness level when a system failure occurs 0-255 (MASK)

Max Level: Highest brightness level 0-254

Min Level: Lowest brightness level 0-254

Standby Power: Standby power consumption (set according to the actual data of the device, which may affect the accuracy of energy statistics)

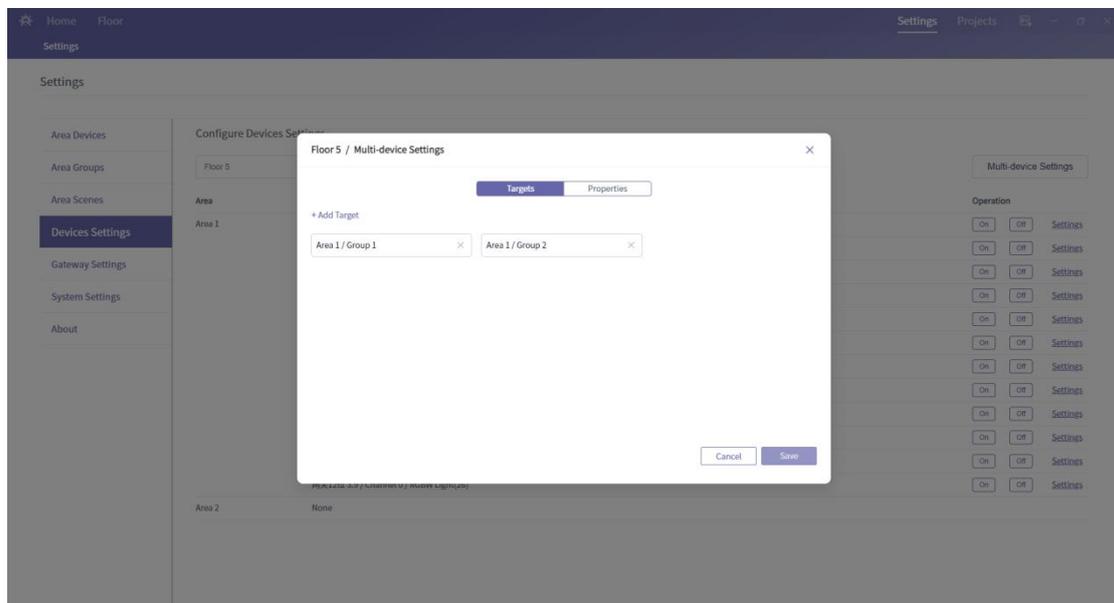
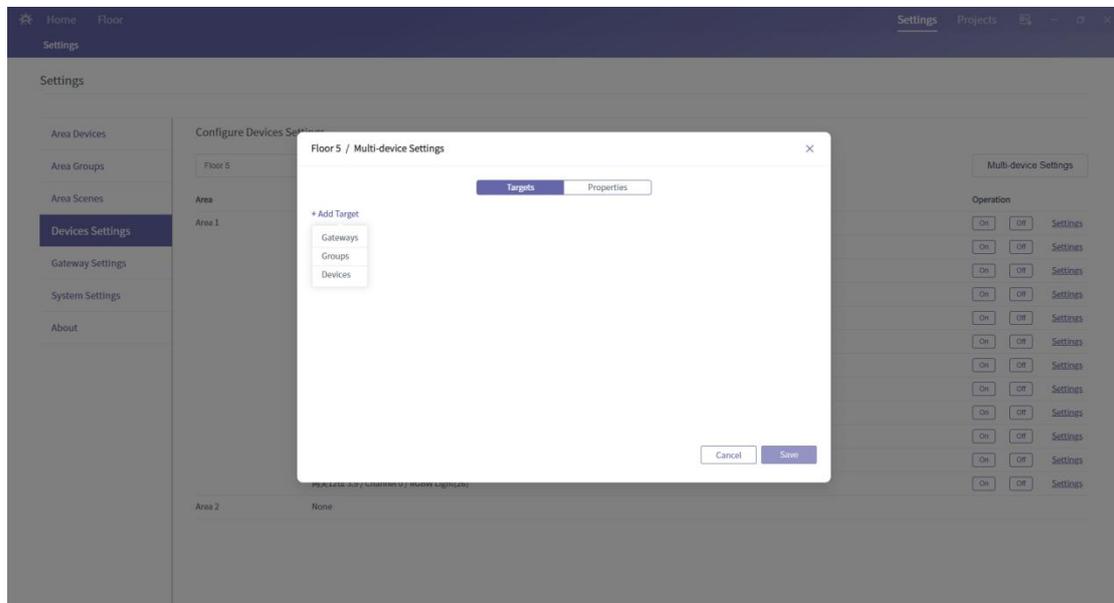
Max Power: Maximum power consumption (set according to the actual data of the device, which may affect the accuracy of energy statistics)



Multi-device Setting Parameter

In the Multi-device Setting Parameters page, there are two tabs:

Targets: Select the target devices that need to be modified in batch. You can select all devices through gateway/group/area, or select them individually, as shown below.



Properties: Set parameters for batch targets

Fade Time: Device fade-in/fade-out time 0-15

Fade Rate: Fade-in/fade-out rate 1-15

Power On Level: Device brightness level when powered on 0-255 (MASK)

System Failure Level: Device brightness level when a system failure occurs 0-255 (MASK)

Max Level: Highest brightness level 0-254

Min Level: Lowest brightness level 0-254

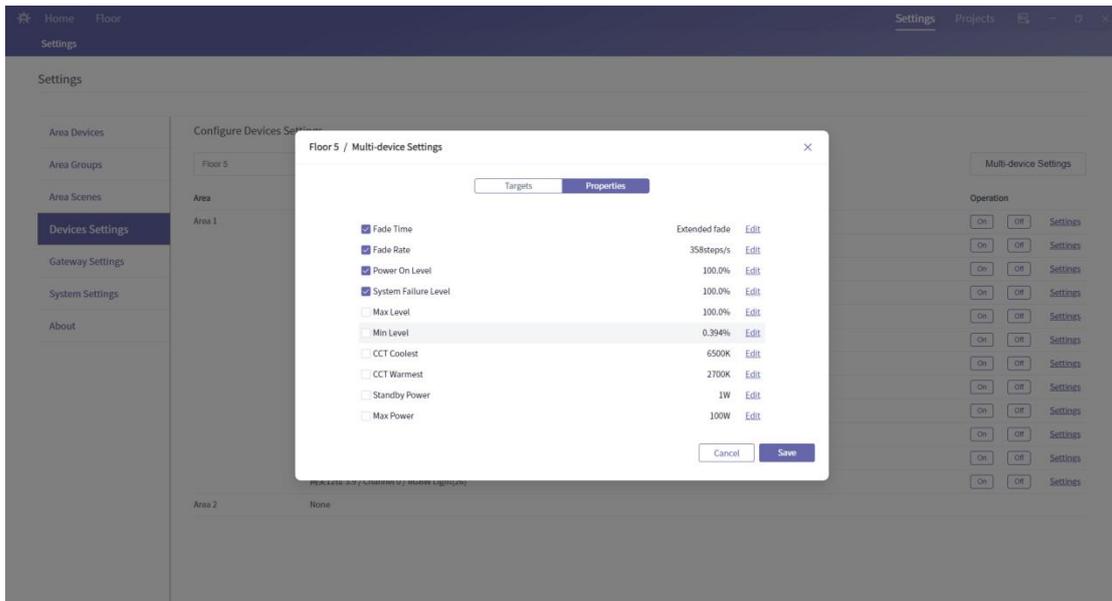
CCT Coolest: Coldest color temperature 2700-6500

CCT Warmest: Warmest color temperature 2700-6500

Standby Power: Standby power consumption (set according to the actual data of the device, which may affect the accuracy of energy statistics)

Max Power: Maximum power consumption (set according to the actual data of the device, which may affect the accuracy of energy statistics)

Select the parameters to be modified, click [Edit](#) to modify, then click [Save](#) to save, as shown below:

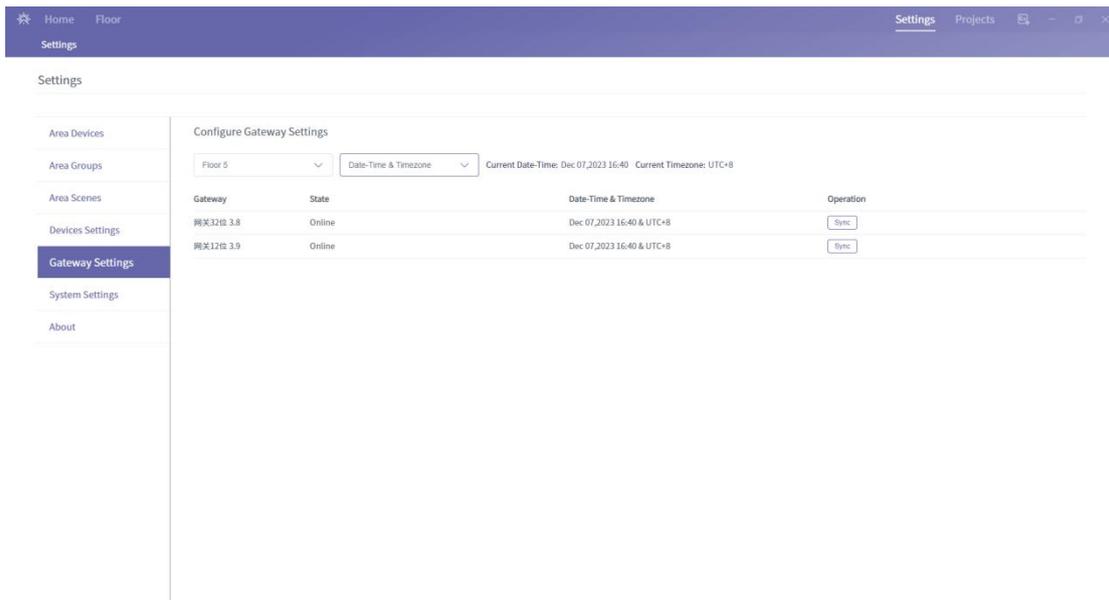


Gateway Settings

On the settings page, select the [Gateway Settings](#) menu on the left to enter the gateway setup page. Under the Configure Gateway Settings heading, select the floor created during the previous project creation, such as [Floor 5](#). All gateways belonging to that floor will automatically appear in the list. You can synchronize the time zone time of the gateway to ensure accurate execution of the timing function, as well as perform OTA upgrades for the gateway.

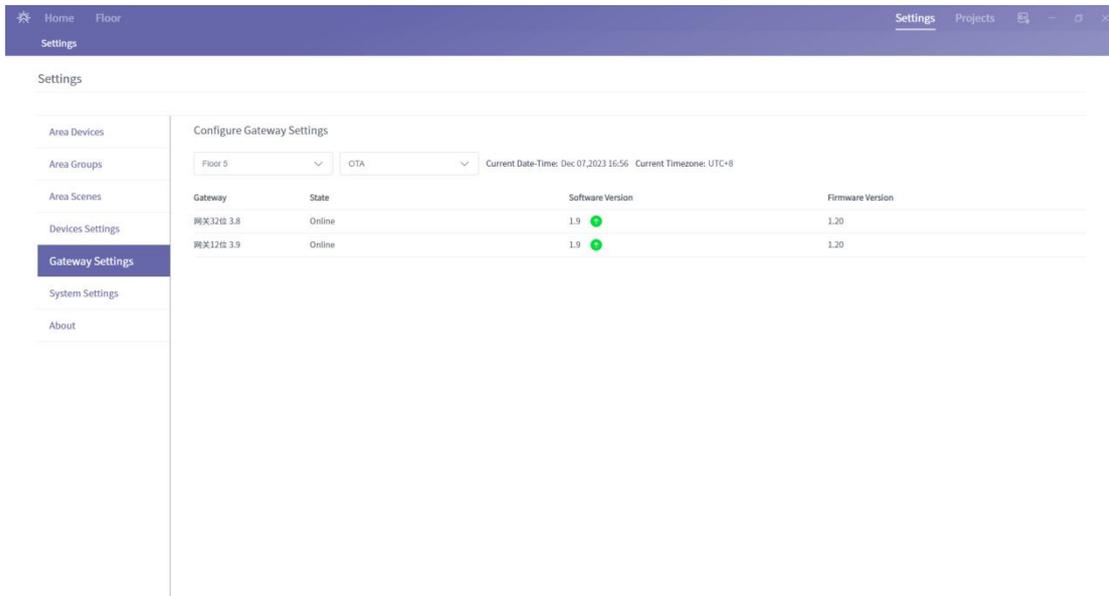
Synchronize Time

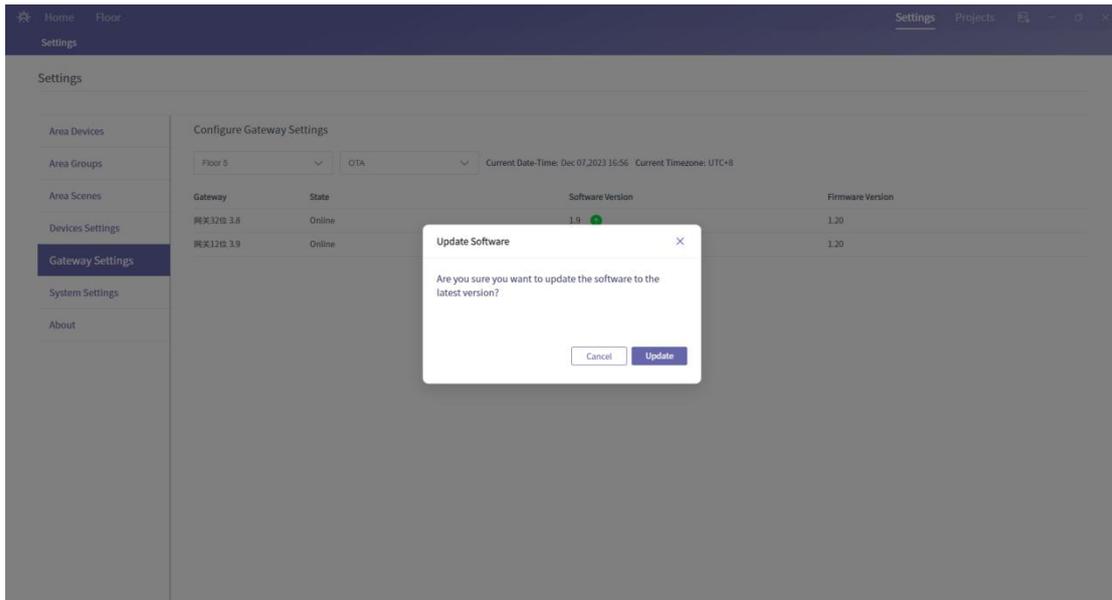
On the gateway setup page, select the Date-Time & Timezone for the floor, then click the [Sync](#) button on the right of the gateway. The gateway time will automatically synchronize to the local time and time zone, as shown below.



OTA Upgrade for Gateways

On the gateway setup page, select the **OTA** for the floor. If there is new firmware available for the gateway, a green icon will appear in the gateway list. Click on the icon and select **Update**. The gateway will automatically upgrade.





System Settings

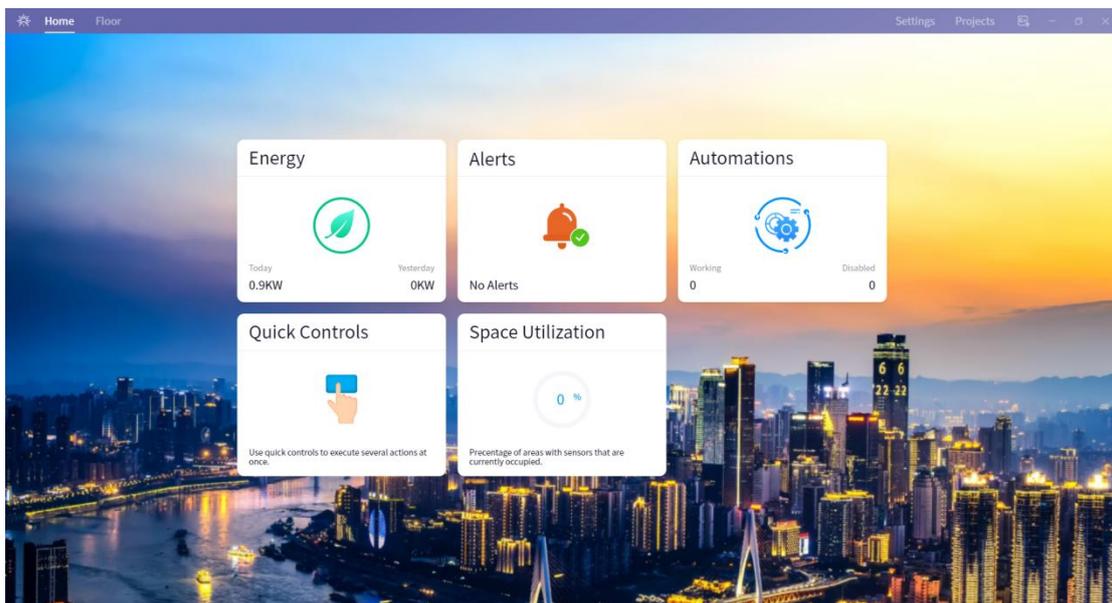
On the settings page, select the [System Settings](#) menu on the left to enter the system setup page.

Software Version Information

On the settings page, select the [About](#) menu on the left to enter the software version information page.

Home Screen

After completing all the settings, click on the Home icon on the left corner to enter the [Home](#) screen. The Home screen provides five functional sections as shown below.



Energy

You can view the energy consumption of the entire project and perform statistics and checks daily/ weekly/ monthly/ yearly, as shown below.



Alerts

You can check the device exception situation, as shown below.

Name	Alert	Location	Date-Time	Operation
RGBW Light(7)	device offline	Floor 5 / Area 1	Dec 07, 2023 17:26	Hide

Total 1 10page < 1 > Go to 1

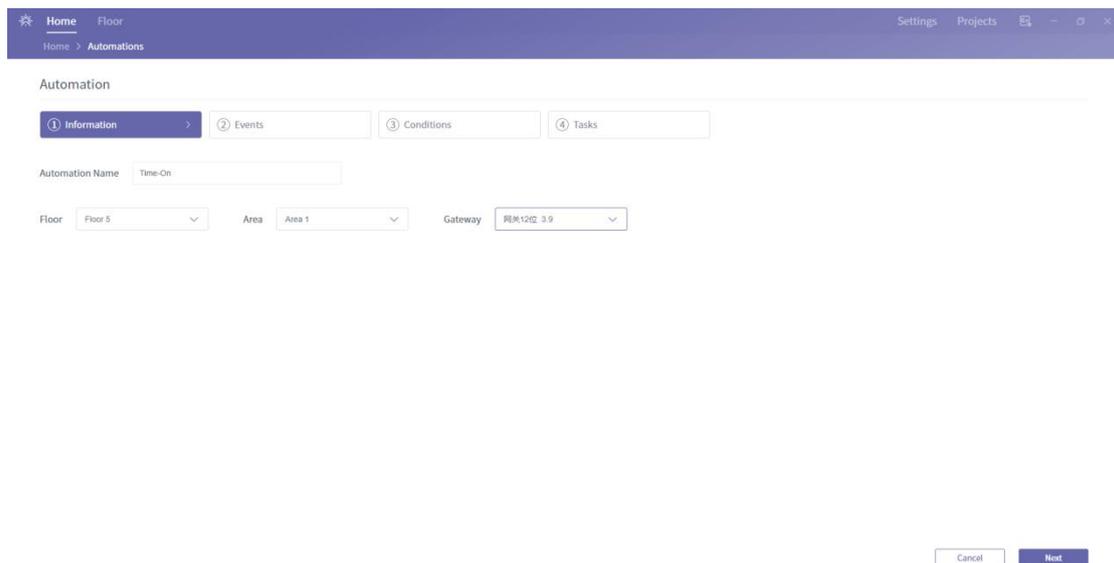
Automations

You can view and create automation tasks by clicking "+Add Automation". To cancel an automation task, you can click the Operation icon on the right of the task. You can also delete the current task by clicking [Edit](#) and entering the modification interface.



Create Scheduled Task

After entering the Automation interface, click "+Add Automation" to start the first step of creating an automation. Modify the automation name, then select the **Floor**, **Area**, **Gateway**, click **Next** to the second step as shown below.

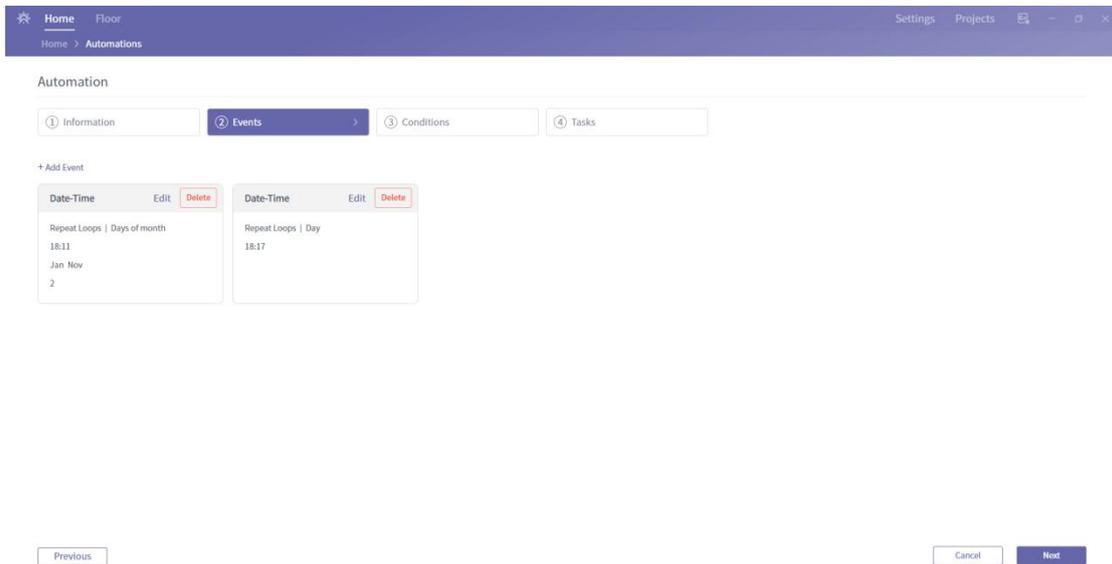
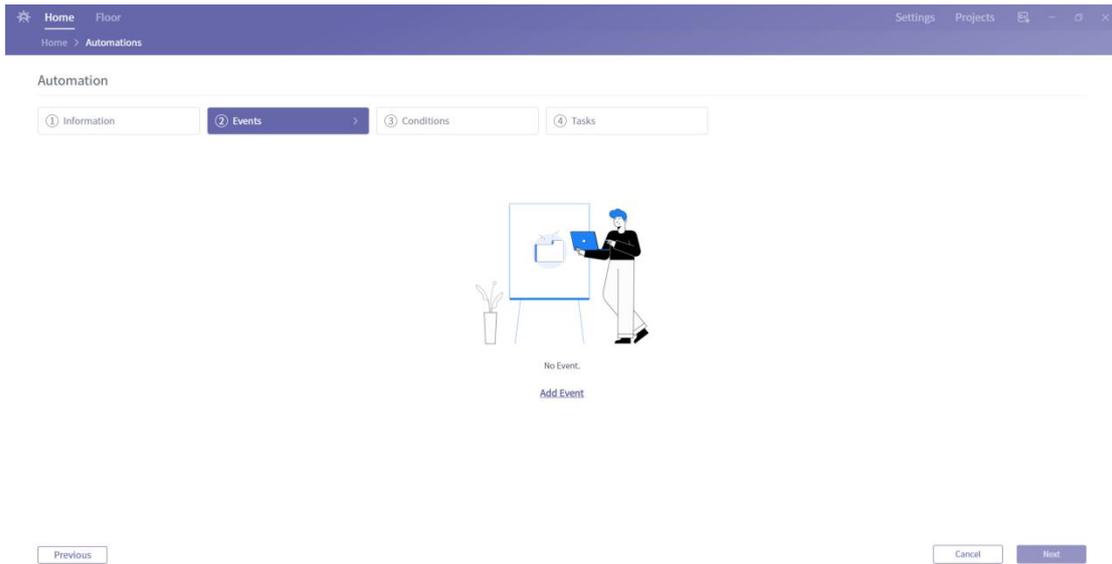


In the second step, click **Add Event**, which will pop up a window to add an event. Select **Date-Time Event** for **Event Type**. For Repeat, you can choose Once or Repeat Loops.

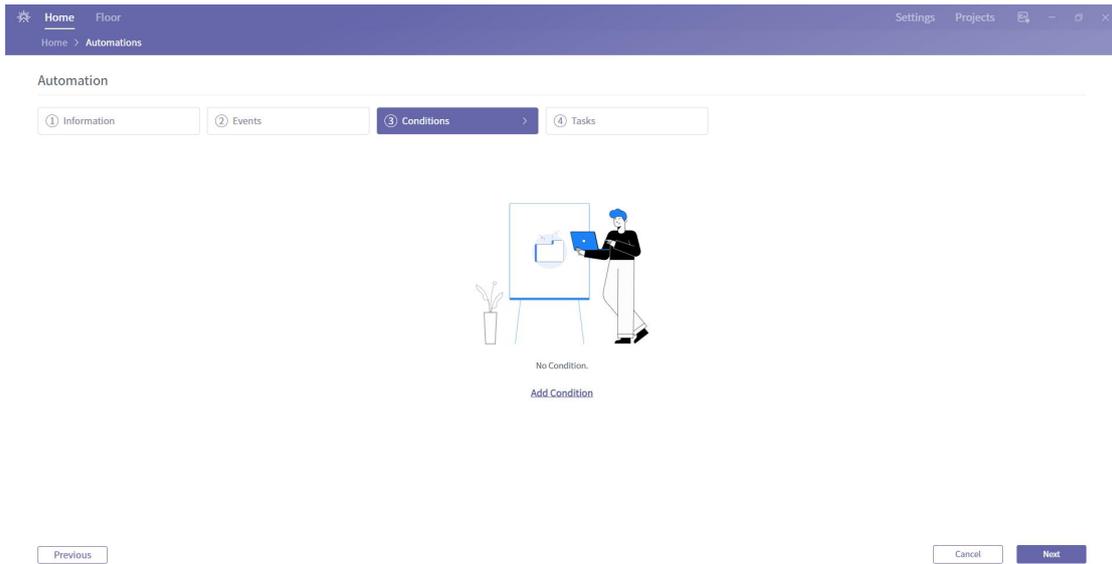
Once: Execute only once

Repeat Loops: Repeat the execution daily/weekly/monthly/yearly based on the selected Date Type.

You can add multiple events simultaneously, and click **Next** to proceed to the third step as shown below.

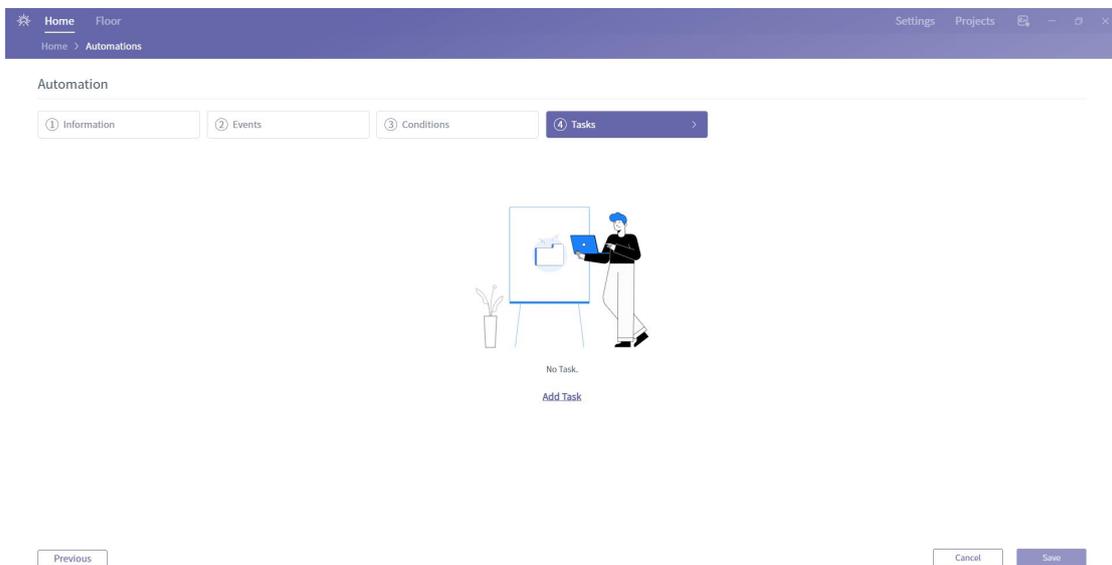


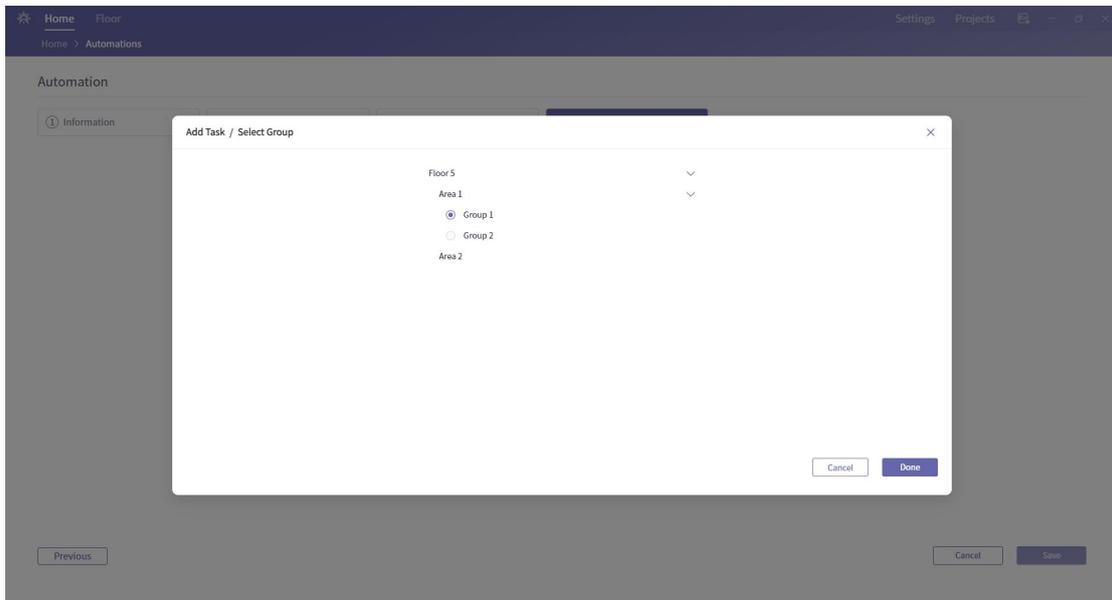
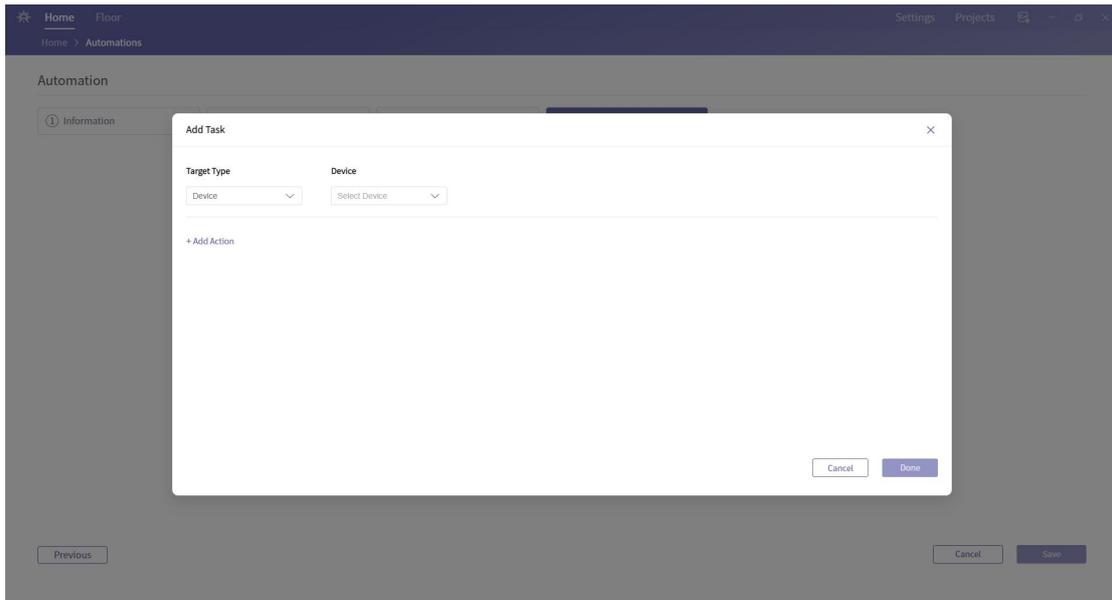
The third step is to set the conditions for the event execution. If the conditions are not met, the automation task will not be executed. You can click [Add Condition](#) to add conditions, or click [Next](#) to skip it as shown below.



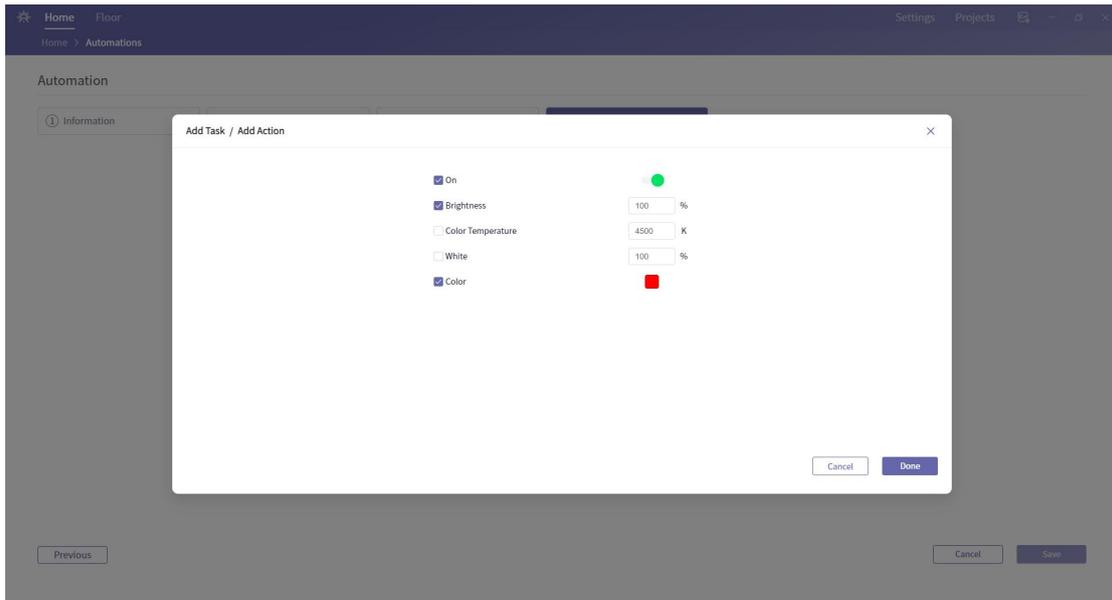
In the fourth step, click [Add Task](#) to enter the Add Task interface.

Target Type: There are three types of target types to choose from: Device, Group, and Scene. Select one of the three types, then select the corresponding target from the Device menu on the right. Click [Done](#) to complete the selection as shown below.

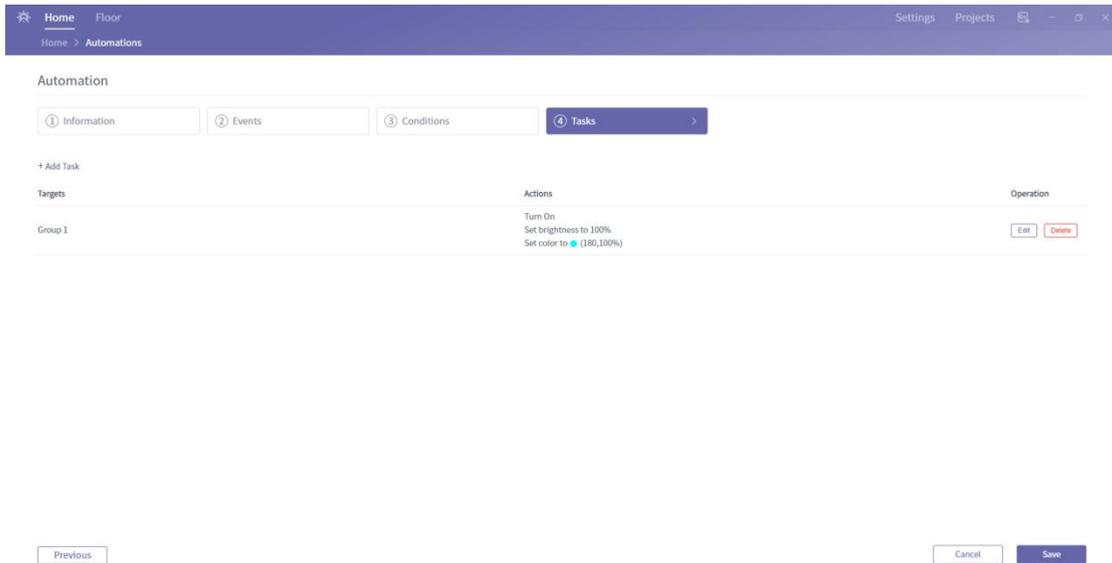




After selecting the target, click the "+Add Action" to add an action. Click **Done** to complete the setup as shown below.



Return to the fourth step page, click Save to save the current automation task. Click the Operation icon on the right of the task to start the current task as shown below.



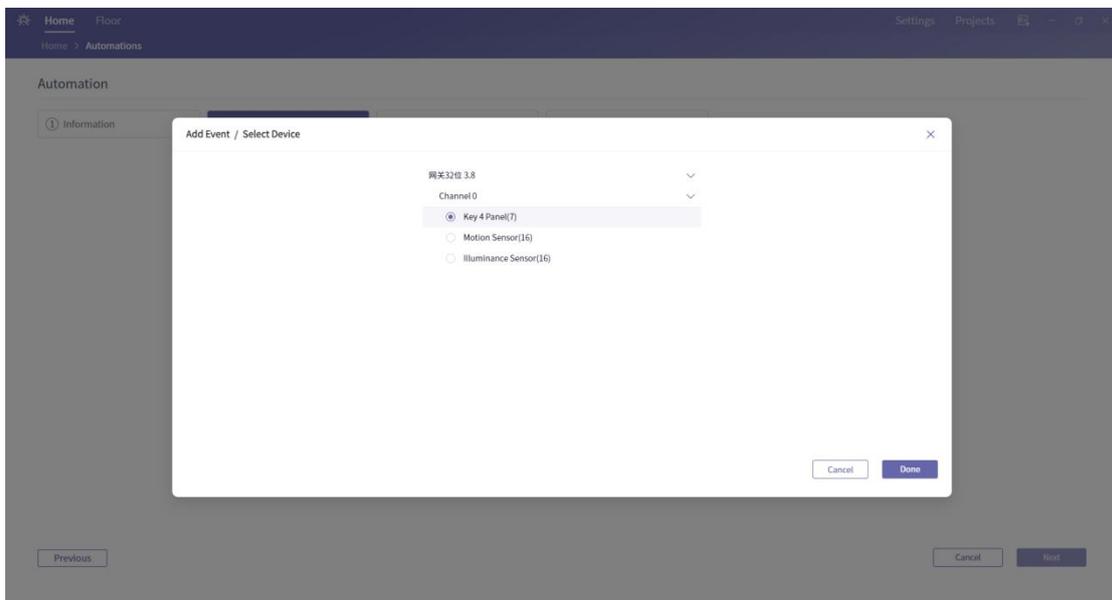
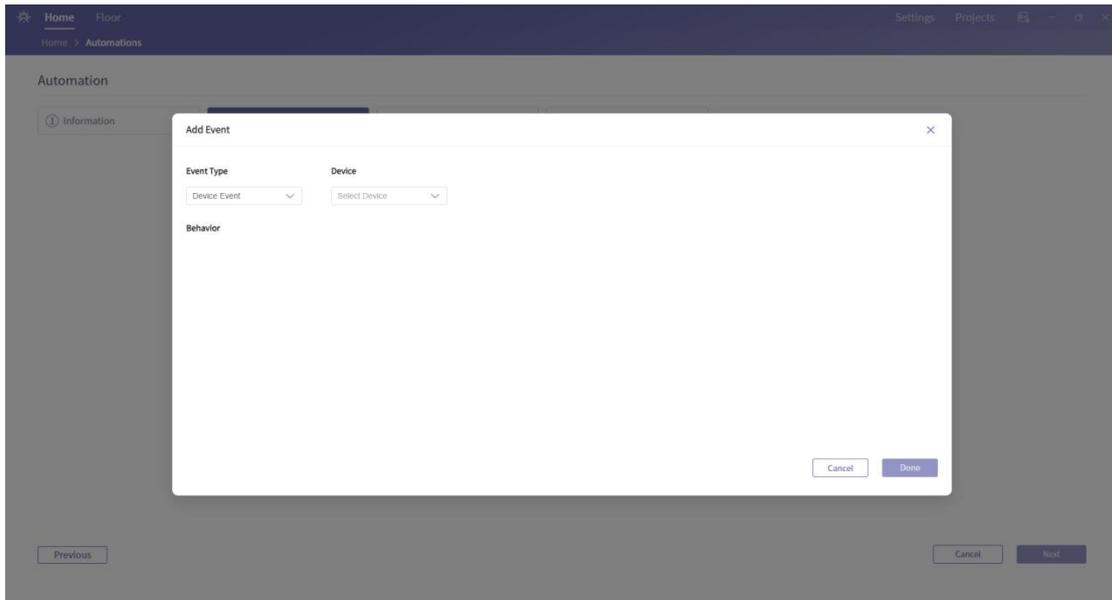
Automation	Location	Gateway	Operation
Time-All off	Floor 5 / Area 1	网关12位 3.9	 <input type="button" value="Edit"/>
Time-On	Floor 5 / Area 1	网关12位 3.9	 <input type="button" value="Edit"/>

Create Event Task

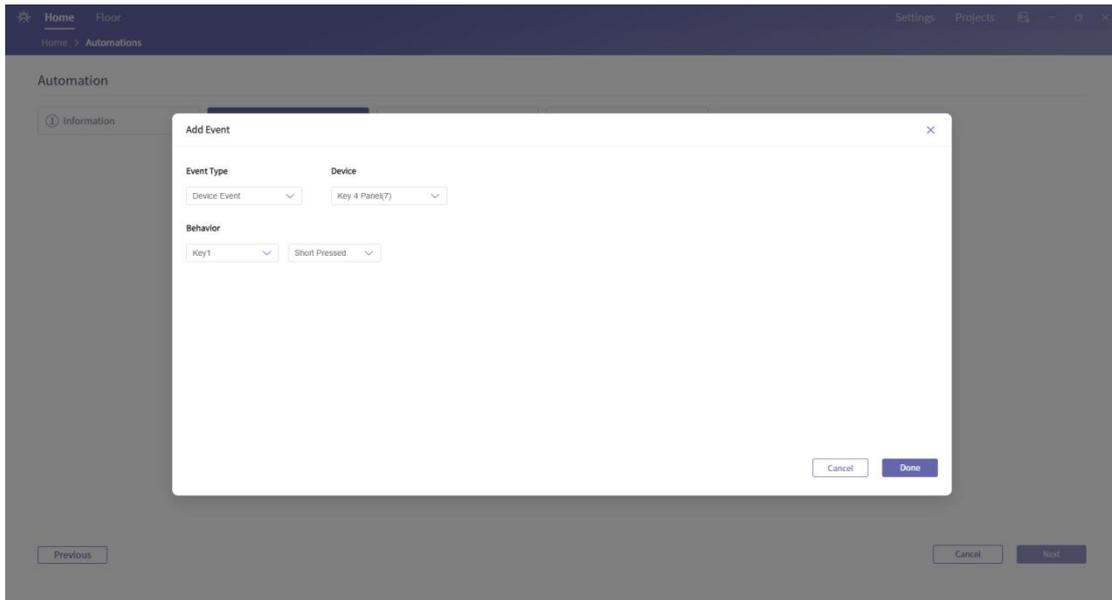
Note: This task can only be created if the system is connected to a DALI-2 panel or sensor. After entering the Automation interface, click "+Add Automation" to start the first step of creating an automation. Modify the automation name, then select the **Floor, Area, and Gateway** in order, click **Next** to proceed to the second step as shown below.

Automation			
① Information	② Events	③ Conditions	④ Tasks
Automation Name <input type="text" value="Keypad K1"/>			
Floor	<input type="text" value="Floor 5"/>	Area	<input type="text" value="Area 2"/>
		Gateway	<input type="text" value="网关32位 3.8"/>
			<input type="button" value="Cancel"/> <input type="button" value="Next"/>

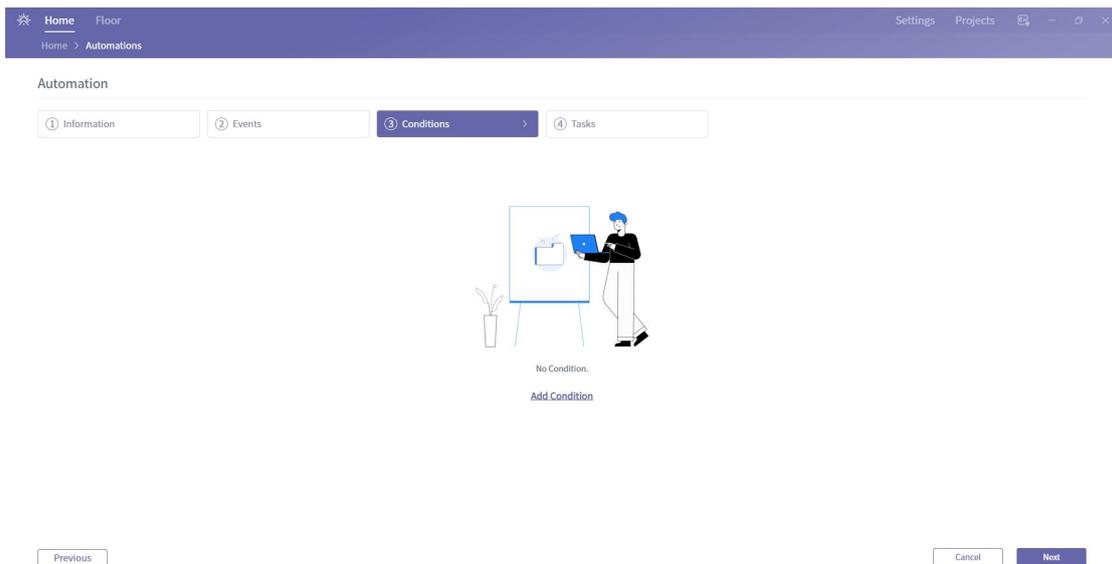
In the second step, click **Add Event**, which will pop up a window to add an event. Select **Device Event** for **Event Type**. Under Device, select the corresponding DALI-2 device, such as Key 4 Panel, and click **Done** to complete the device selection as shown below.



In the Behavior menu, you can select the four keys corresponding to the Key 4 Panel, such as Key1. Then choose **Short Pressed/Long Pressed** and click **Done**. After completing this step, click **Next** to the third step as shown below.



The third step is setting the conditions for the event execution. If the conditions are not met, the automation task will not be executed. You can click [Add Condition](#) to add conditions, or click [Next](#) to skip it as shown below.



In the fourth step, click [Add Task](#) to enter the Add Task interface.

Target Type: There are three types of target types to choose from: Device, Group, and Scene. Select one of the three types, then select the corresponding target from the Device menu on the right. Click [Done](#) to complete the selection as shown below.

Home Floor Settings Projects

Home > Automations

Automation

1 Information 2 Events 3 Conditions 4 Tasks >



No Task.
Add Task

Previous Cancel Save

Home Floor Settings Projects

Home > Automations

Automation

1 Information

Add Task

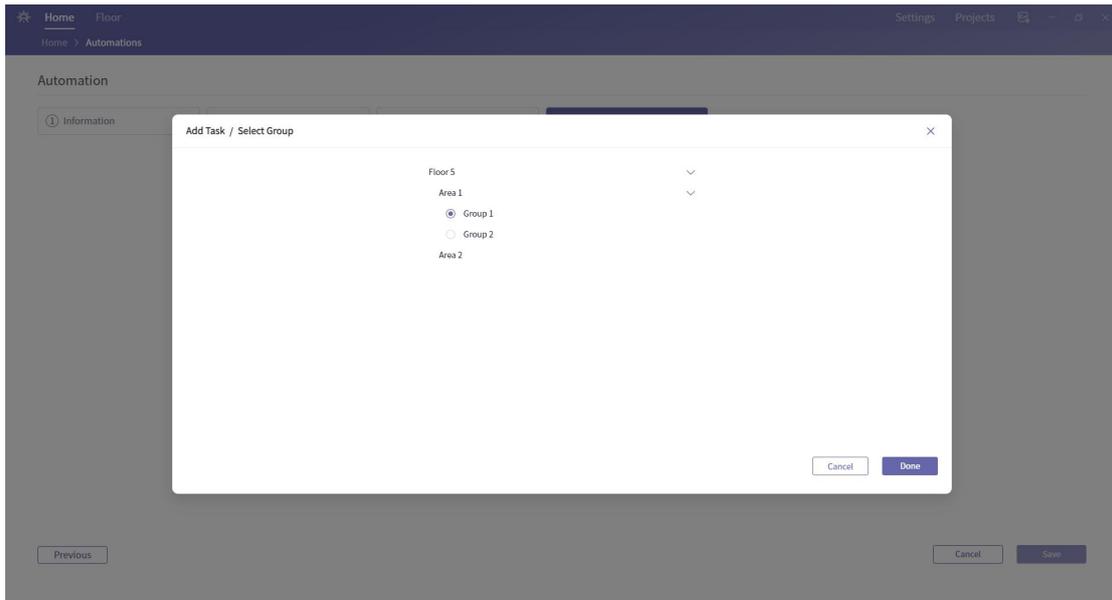
Target Type: Device

Device: Select Device

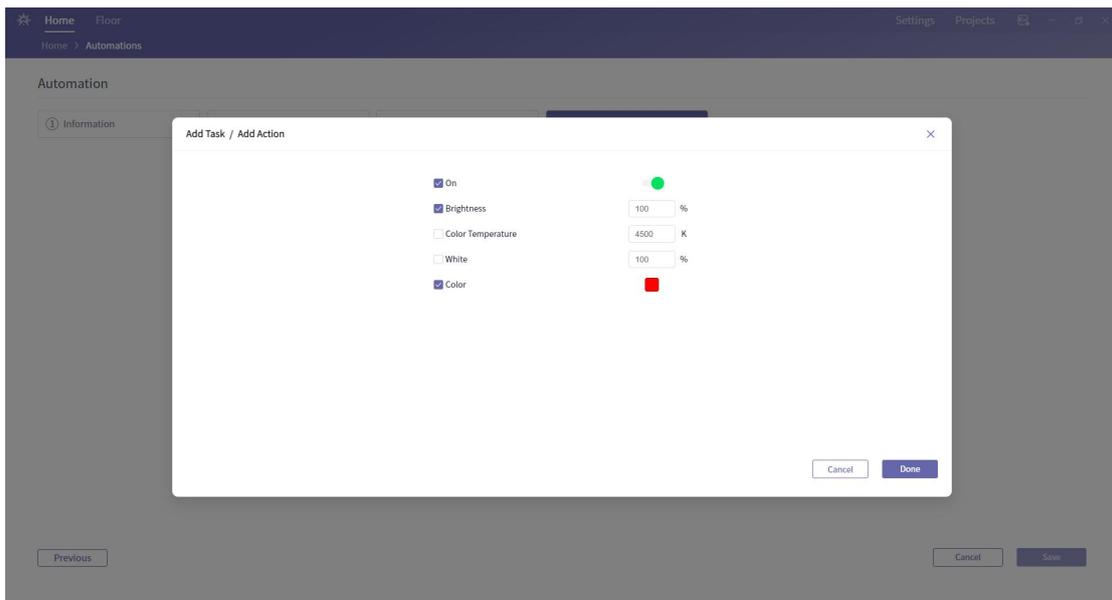
+ Add Action

Cancel Done

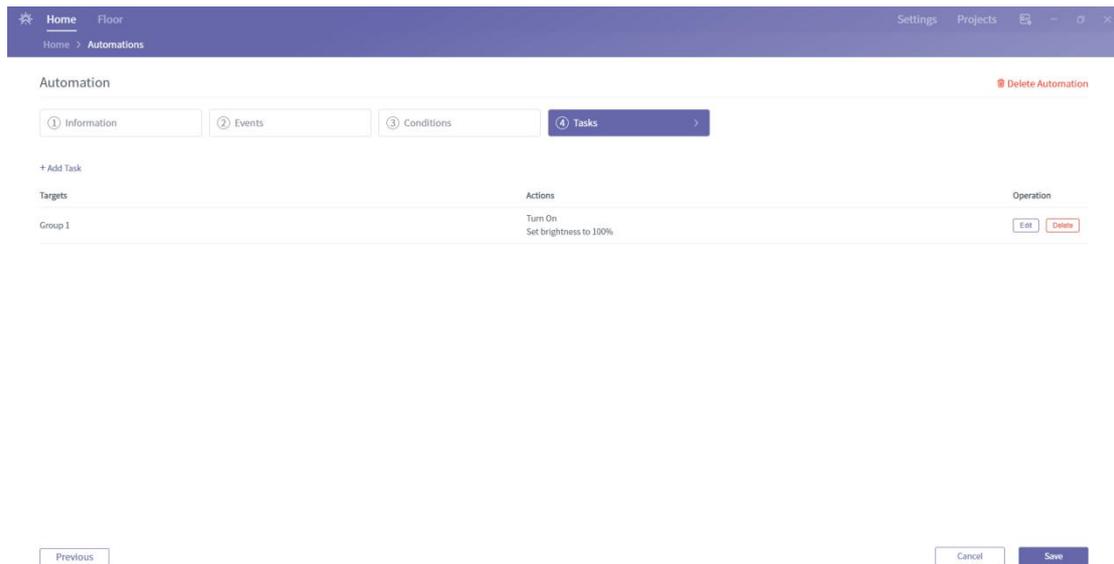
Previous Cancel Save



After selecting the target, click the **+Add Action** below to add an action. Click **Done** to complete the setup as shown below.



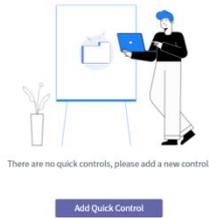
Return to the fourth step page, click **Save** to save the current automation task. Click the **Operation** icon on the right of the task to start the current task as shown below.



The set up of moving sensors and light sensors can be set by following the DALI-2 key panel setup steps.

Quick Controls

You can understand the Quick Controls feature as a larger group + scene function. Through settings, you can turn on/off the lights of the entire building by one button. Enter the Quick Controls interface, click **Add Quick Control**, enter a quick control name and task interval, then click **Add Task** to add a task. The task object can be selected as a device/group/scene as shown below.



Quick Control

Quick Control Name All Off

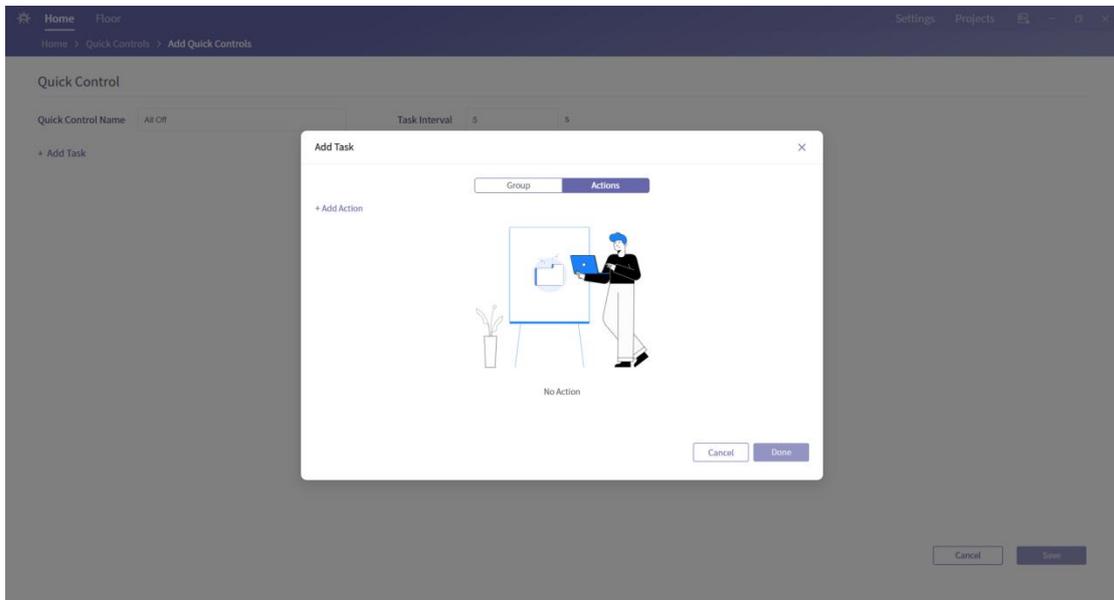
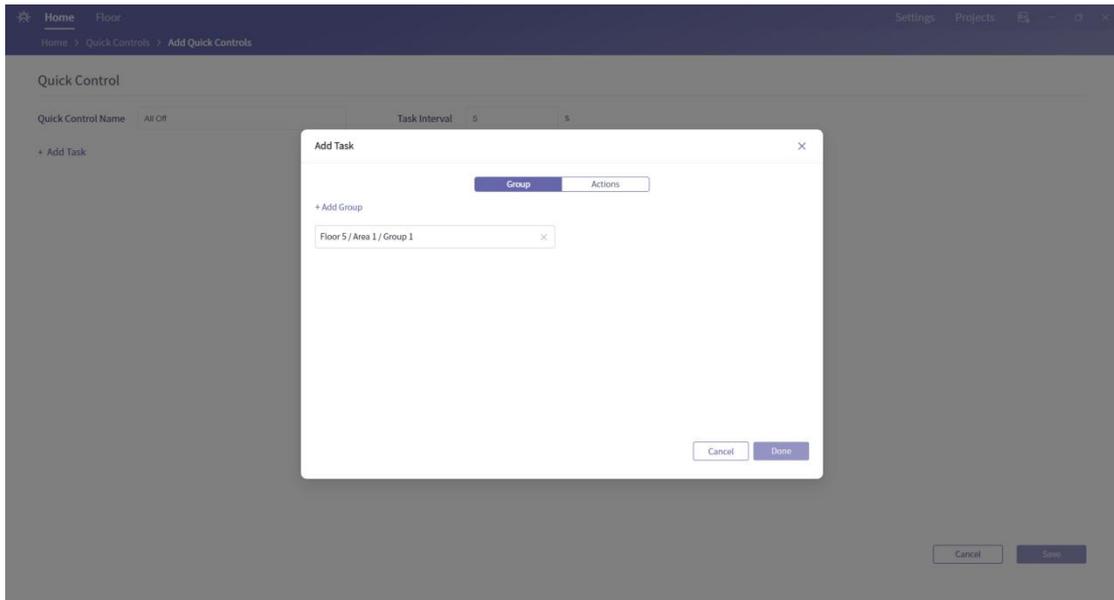
Task Interval 5 s

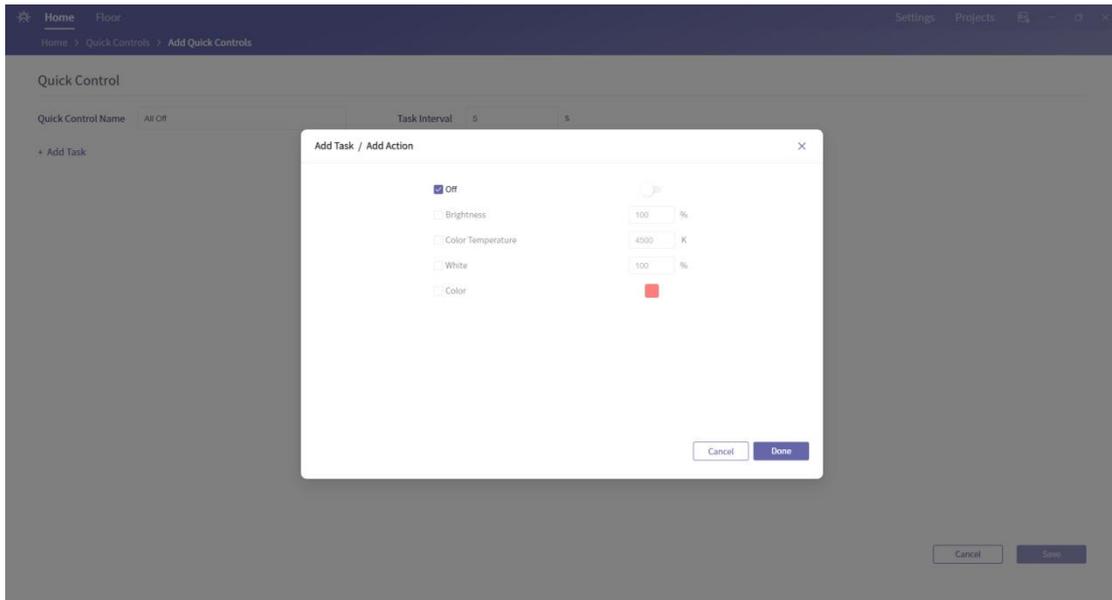
+ Add Task

- Control Devices
- Control Groups
- Activate Scenes

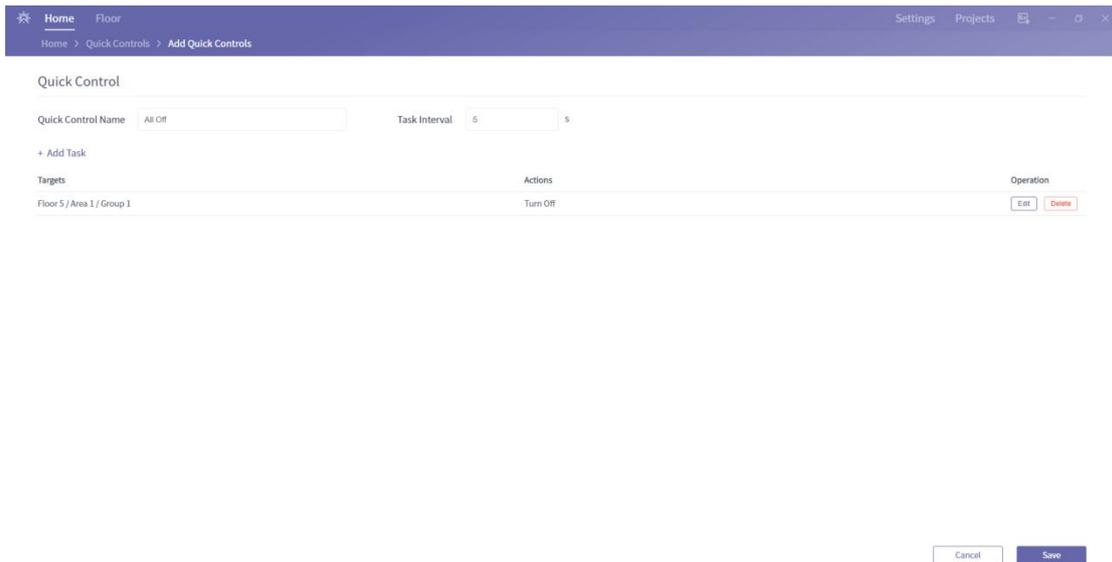
Cancel Save

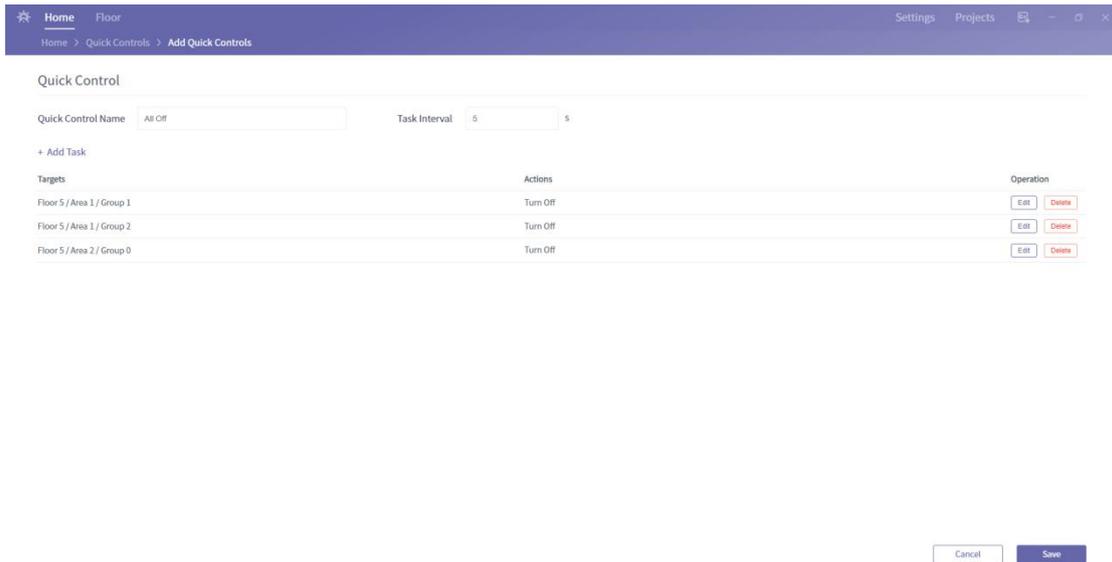
Select one of the object types, such as Group, and then select the required group in the pop-up window. Click **Actions** to switch to the Action interface, click **+Add Action** to add a state, and click **Done** to complete, as shown below.



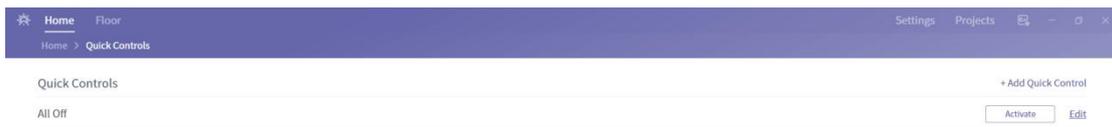


Return to the Add Quick Control interface, and you can see the task you just added on the list. You can continue to click +Add Task to add other tasks. The final result will be as shown in the following figure. Click Save to save and exit.





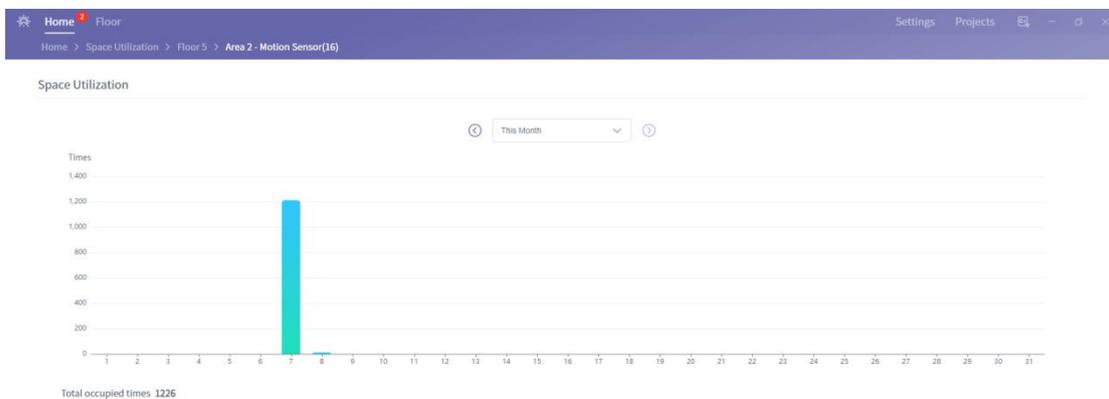
Returning to the Quick Controls interface, you can see that a quick control task has been created. Click [Activate](#) to execute the three tasks above by one click. The execution time interval for each task is 5 seconds, as shown below.



Space Utilization

The main function of the Space Utilization interface is to provide customers with data for reference based on the alarm feedback from mobile sensors. Users can view the number of alarms generated by the sensors for the current day and the real-time alarm status of the sensors. By clicking on [Detail](#), users can also view historical data. Through graphical representations, users can more easily compare space utilization at different times, as shown in the figures below.

Floors	Space Utilization	Occupied Times Today	Operation
All Floors	0	13	
Floor 5	0	13	Detail



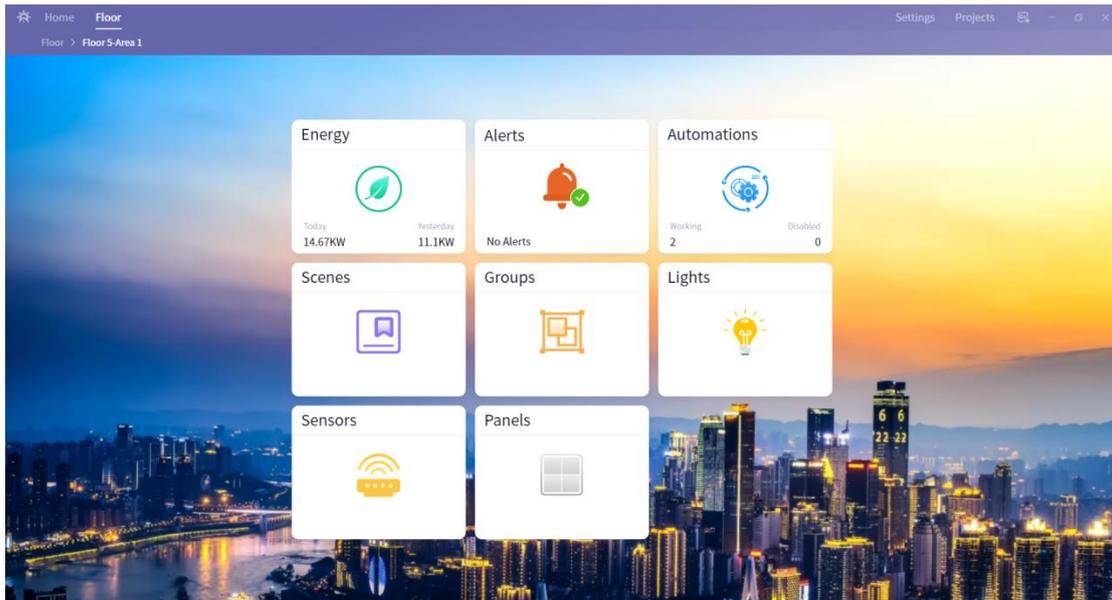
Floor Main Interface

Click on the Floor button in the upper left corner to enter the Floor interface, where you can see the energy usage, equipment malfunction, and light on/off status of different areas on each floor on that day. Click on All Lights on the right side of the floor to pop up the light control panel, which allows you to directly control all lights on the floor, as shown below.

Floor	Area	Today	Alerts	Light On	Operation
Floor 5	Area 1	10.08 KWh	0	0	Enter Shortcut
	Area 2	48 KWh	0	0	Enter Shortcut
	All Areas	58.08 KWh	0	0	All Lights
Floor 6	Area 1	0 KWh	0	0	Enter Shortcut
	Area 2	0 KWh	0	0	Enter Shortcut
	All Areas	0 KWh	0	0	All Lights

Energy, Alerts, Automations

In the Floor main interface, clicking on the [Enter](#) button on the right side of the listed areas will take you to the main interface of the individual area. This interface is similar to the Home interface, with the same functions and operations for the Energy, Alerts, and Automations modules. However, the data and settings here are only for the current area, and do not include data and settings from other areas. As shown in the following figure.



Scenes

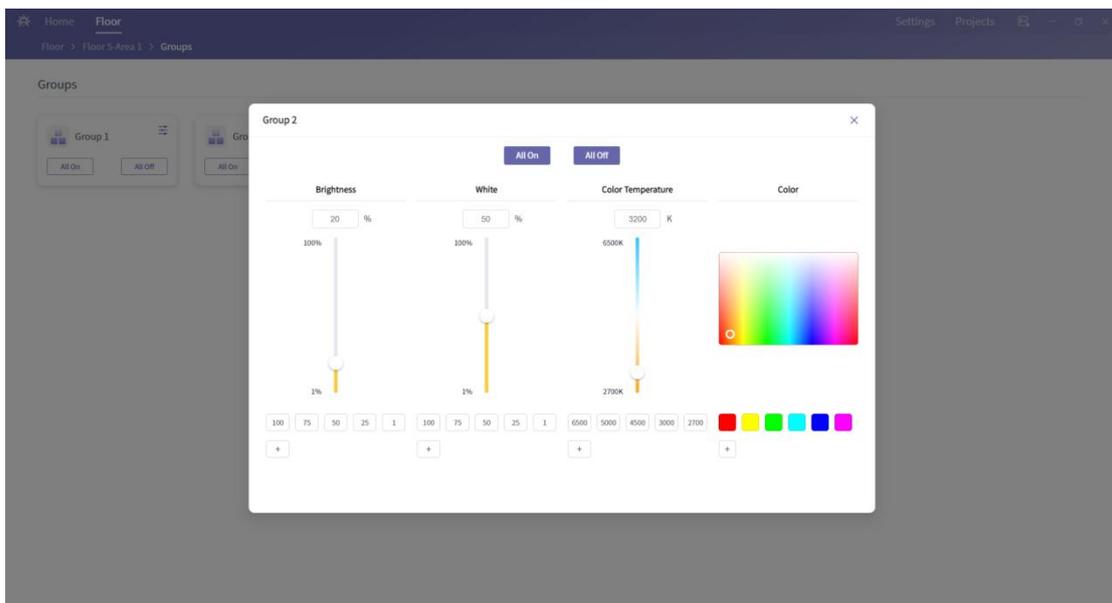
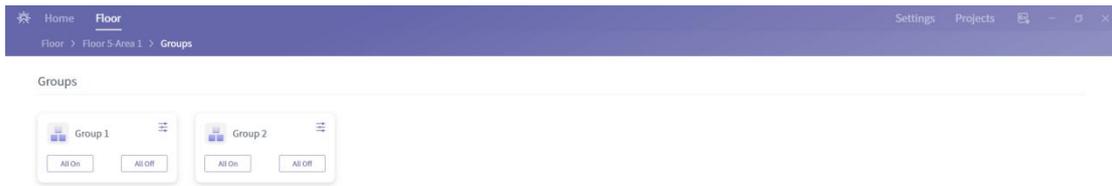
Scenes is the main menu for scenes. Clicking on it will take you to the list of scenes that have been previously set for the current area. You can activate a scene by clicking on **Activate**, as shown in the following figure.



Groups

Groups is the main menu for group settings. Clicking on it will take you to the list of groups that have been previously set for the current area. You can control all the devices in the group by clicking All On or All Off. Clicking the icon  will reveal additional control functions, which allows you to adjust the dimming, color temperature, and color of the

group devices, as shown in the following figures.

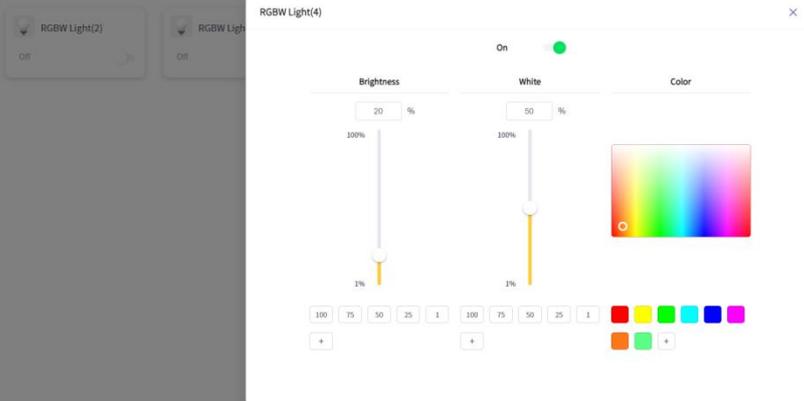


Clicking on the other areas within the group box will show the status of all the devices currently included in the group. You can also control individual devices within the group by turning them on or off, adjusting their dimming, color temperature, and color, as shown in the following figures.

Group 2

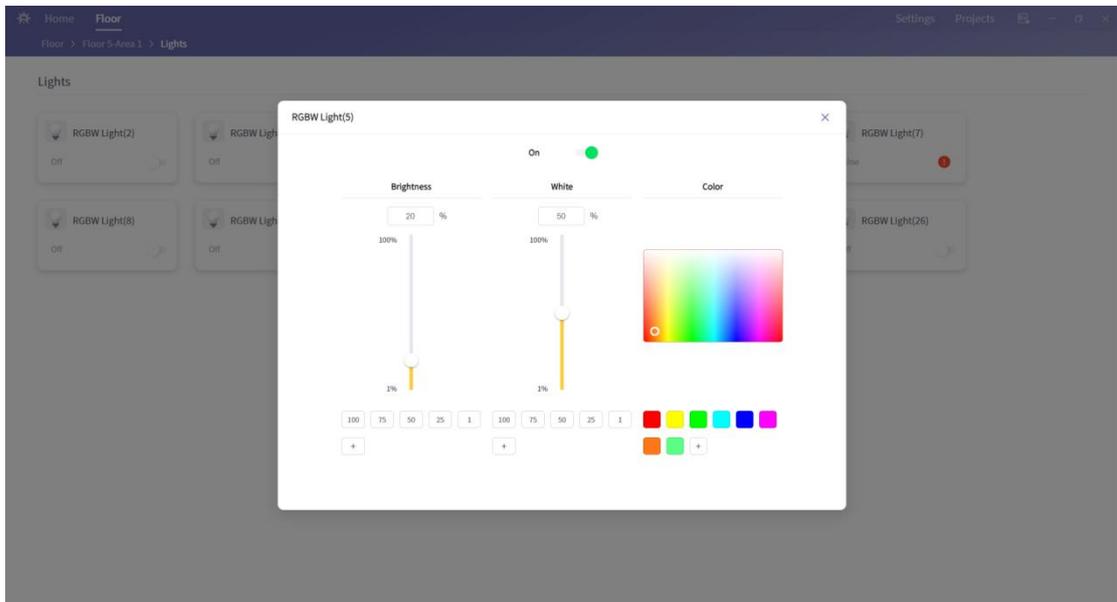
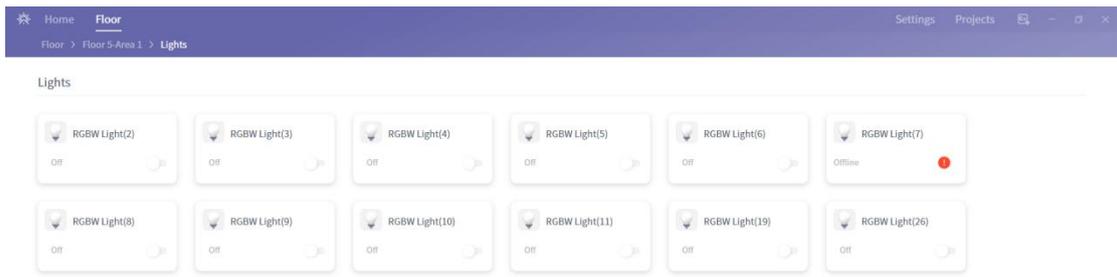


Group 2



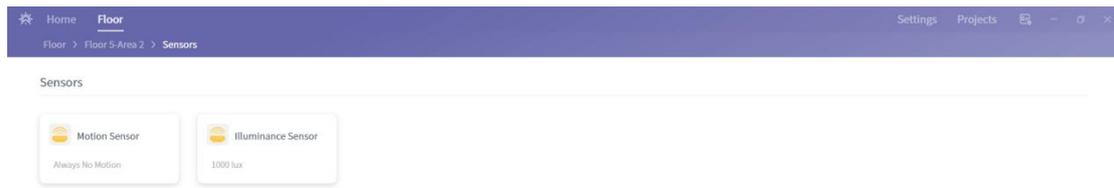
Lights

Lights is the main menu for lighting devices. It allows you to view the status of all the lighting devices in the current area and control individual devices by turning them on or off, adjusting their dimming, color temperature, and color, as shown in the following figure.

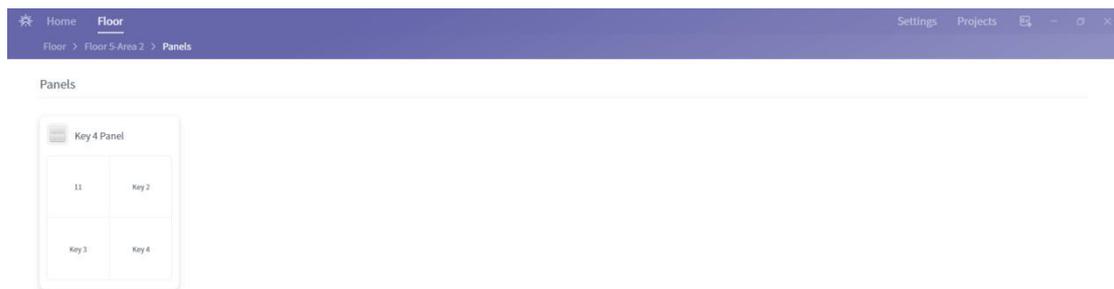


Sensors

Sensors is the main menu for sensor devices. It allows you to view the status of all the sensor devices in the current area, such as the mobile alarm status and light sensor illuminance feedback, as shown in the following figure.



Panels is the main menu for DALI-2 panels. It allows you to view all the DALI-2 panels in the current area. Double-clicking on the button name allows you to rename the button, as shown in the following figure.



Project Sharing and Export

Enter the project list interface, select the project you want to share and export, and then click [Share](#) on the right to export the current project.

Project Import

Enter the project list interface, click [Add Project](#), and then select [Import project](#) to import projects shared by others.

