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DALI Center

Lighting Management System

System Overview

This is an Ethernet to DALI Gateway, which enables communication between Ethernet networks and DALI systems. It provides a Windows PC interface, allowing the computer and the gateway to connect via Wi-Fi or a direct wired Ethernet connection. It supports the MQTT network protocol, enabling integration with third-party platforms through this protocol.

Features

User-friendly Interface:
Provides a simple and intuitive interface with clear configuration logic and easy setup steps, ensuring ease of use for users.

Support for Multi-Gateway Control:
Multiple gateways can be added within a single project for control, supporting the needs of small to medium-sized projects. The number of devices can be flexibly expanded based on requirements.

Cross-Gateway Control:
Sub-devices under different gateways can control each other, including group control and scene control, enabling seamless coordination and management across gateways.

Unlimited Groups and Scenes:
Users can add groups and scenes as needed without limitations, greatly enhancing the flexibility and customizability of the system.

Constant Illuminance Control with Sensors:
By configuring motion sensors and light sensors, the system can maintain constant illuminance, achieving energy savings while providing a comfortable lighting environment.

Motion Sensor Exit and Recovery Strategy:
Sensors can be configured to exit automatic control and automatically resume based on specific requirements, meeting the needs of special scenarios and improving system adaptability.

Scheduling:
Offers a scheduling function, allowing users to set device on/off times according to their needs for smart management.

Visualized Energy Consumption Statistics Interface:
Provides a real-time energy consumption statistics interface, enabling users to monitor device energy usage and optimize energy efficiency.

Quick Project Export and Import:
Supports quick export and import of projects, facilitating project delivery and post-maintenance while improving work efficiency.

Space Utilization Statistics (Requires Motion Sensors):
Leverages motion sensors to gather statistics on space utilization, helping users adjust operational strategies and optimize space efficiency.

Device Abnormality Alerts:
The system can provide real-time feedback on device abnormalities, issuing alerts to facilitate maintenance and troubleshooting, ensuring stable device operation.

Spaces

This Ethernet-to-DALI gateway system can be applied to almost all projects requiring smart lighting control, especially where flexible scene configuration, energy optimization, and remote monitoring and management are critical. Its strong scalability and support for the MQTT protocol make it suitable not only for traditional DALI systems but also for seamless integration with modern IoT platforms, providing users with significant convenience and value.

Smart Building Management

Application Scenarios:
• Office buildings, mixed-use buildings, large business centers, etc.
• Multi-floor and multi-zone lighting require centralized management with cross-gateway control capabilities.

Usage Features:
• Optimize the office environment and save energy through constant illuminance control and timed schedules.
• Provide device fault alerts, allowing building maintenance personnel to repair issues promptly.
• Visualized energy consumption statistics assist building operations teams in reducing operational costs.

Commercial Spaces

Application Scenarios:
• Large shopping malls, retail supermarkets, hotels, exhibition centers, etc.

Usage Features:
• Flexible group and scene control: quickly adjust lighting effects for different time periods or activity needs (e.g., promotions, events, cleaning schedules).
• Dynamic lighting management using sensors, such as adjusting light intensity based on customer flow.
• Support for multiple gateway deployments, covering multiple floors or areas of large malls.

Smart Homes

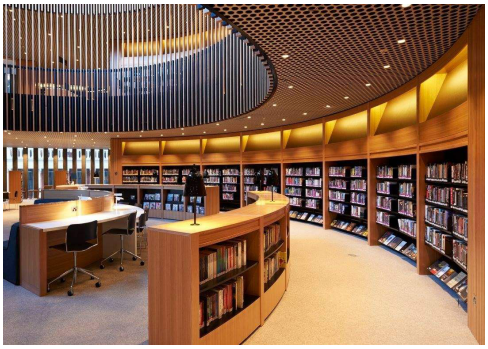
Application Scenarios:
• High-end residential areas, villas, smart communities, etc.

Usage Features:
• Integrate into home automation systems, achieving linkage with other smart home devices (e.g., curtains, air conditioners, speakers) via the MQTT protocol.
• Implement scenario-based lighting through motion sensors and timed schedules (e.g., night mode, party mode).
• Visualized energy consumption statistics help users understand household power usage and optimize habits.

Education

Application Scenarios:
• Schools, universities, libraries, training centers, etc.

Usage Features:
• Constant illuminance control provides an appropriate lighting environment, reducing visual fatigue for students and teachers.
• Space utilization analysis helps optimize campus resource management.



Healthcare

Application Scenarios:
• Hospitals, clinics, rehabilitation centers, etc.

Usage Features:
• Support for circadian rhythm lighting: adjusting color temperature and brightness to improve patient comfort and support recovery.
• Device fault alerts ensure reliable lighting in critical areas such as operating rooms and ICUs.

Industrial Facilities

Application Scenarios:
• Factories, warehouses, logistics centers, etc.

Usage Features:
• Timed control avoids prolonged lighting in unoccupied areas, reducing energy waste.
• Lighting controlled by light and motion sensors ensures energy savings while providing a suitable work environment.
• Visualized energy consumption statistics help enterprises optimize production costs.

Urban Public Facilities

Application Scenarios:
• Stadiums, museums, art centers, train stations, airports, etc.

Usage Features:
• Flexible group and scene settings meet the lighting needs of different events or festive scenarios.
• Dynamic management of areas using sensors and timed controls.
• Space utilization statistics help optimize resource allocation for public facilities.

Cultural and Recreational Facilities

Application Scenarios:
• Theaters, cinemas, gyms, amusement parks, etc.

Usage Features:
• Flexible scene settings: quickly switch lighting effects to meet the needs of different activities (e.g., movie mode, event mode).
• Real-time fault alerts ensure lighting equipment operates normally during events.

Hardware

1 Channel Gateway

Description

- Supports DALI DT6, DT8 Tc, DT8 XY, DT8 RGBW, DT8 RGBWA device types
- Supports 64 DALI control gears and 64 DALI input devices
- Built-in 250mA DALI PS, no extra DALI bus power supplied required
- Built-in battery, built-in RTC
- Easy connect to a network through Ethernet connection

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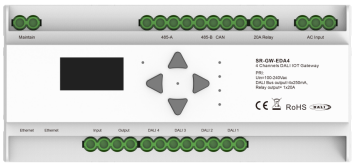
4 Channels Gateway



Description

- 2 channels 485 signal input
- 4 channels DALI signal output, Built-in 4x250mA DALI PS
- Built-in 1 channel 20A relay
- Supports all types of DALI devices
- Supports addressing, group and scene configuration for max.4x64 control gears(DALI-1 and DALI-2)
- Built-in battery, built-in RTC, supports timer task configuration
- Easy connect to a network through Ethernet connection

Personal Computer

Description

- Computers with Windows 7 or higher 64-bit systems
- Install the latest DALI Center software

Wifi Router

Description

- Supplied stable local/internet network serve

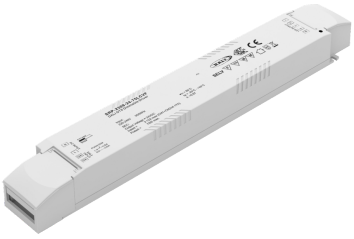
Hardware

Constant Current Drivers

Description

- DALI DT6/DT8 NFC LED Driver 7-100W
- Current selectable via NFC program tool. Min. current gear lower to 0.1mA
- Amplitude/CCR dimming, smooth and deep dimming. Flicker free
- DALI-251/252/253 Enabled, DALI data inside
- High power factor and efficiency

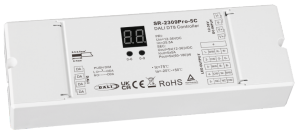
Constant Voltage Drivers



Description

- DALI DT6/DT8 LED Driver 75-150W
- 1-4 channels output for single color/CCT/RGB/RGBW LED lights
- PWM dimming, smooth and deep dimming to 0.1%
- Error report function
- High power factor and efficiency

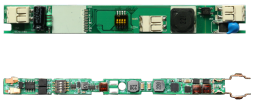
Professional LED Controller



Description

- Multi-devices integrated in one control gear for LED strip
- Multi-functional, 8 in 1: Tc, RGBWAF, XY, 2*Tc, XY+Tc, RGB+Tc, XY+W (DT6), Dt6
- 5 Channels constant voltage output

Magnet Track Light Drivers



Description

- DALI DT6 or DT8 Tc LED controller for magnet track lights andl inear lighting
- Deep and smooth dimming to 0.1%, flicker free
- Dips to set the operation current
- Support Hot-plug protection

Hardware

DALI to 0/1-10V Converter

Description

- DALI to 0/1-10V converter with relay 2 in 1 controller
- DALI bus powered, no extra power supply required
- 1 DALI address can be assigned by DALI master controller
- Enable to switch power of the 0/1-10V load through the relay
- Mini Size, easy to be Installed into a standard wall box

Triac Dimmer

Description

- Trailing edge dimming, supports resistive loads and capacitive loads
- Innovative minimum brightness setting function
- Single wire push switch input for push dim function
- Mini size, easy to be installed into a standard size wall box

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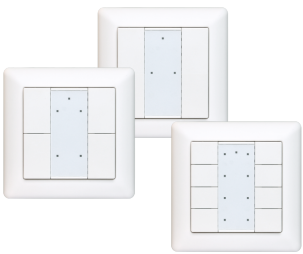
DIN Rail Relay Module

Description

- 4 channels relay module, each channel can be controlled seperately
- Control of 4 standard contactors
- The loads can be switched on and off via DALI
- Zero crossing detection
- Each channel's load up to 12A

DALI-2 Panels



Description

- DALI-2 control device with 2-8 push buttons
- DALI bus powered, no extra power supply required
- Easy configuration via DALI master
- Multimaster capable, multiple modules can be installed on the DALI- line

Hardware

Push Button Coupler

Description

- DALI-2 control device with standalone mode and DALI-2 instance mode
- 4 channels push switch input or dry contact motion sensor input
- Functionality of standalone mode can be easily configurable through NFC
- Functionality of DALI-2 instance mode can be configurable through DALI application controller
- DALI bus powered, no extra power supply required
- Easy installation: the device can be installed in a flush-mounted installation box

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Rotary Switch

Description

- DALI-2 input device
- Individual DALI Commands and operating modes can be assigned to the push and rotary button
- Provides 2 instances, instance 0 is push button instance, instance 1 is rotary movement instance
- DALI bus powered, no extra power supply required

Sensors

Description

- DALI-2 & D4i certified
- Motion sensor instance type 3 (303)
- Light sensor instance type 4 (304)
- Collects occupancy and daylight information

DALI Broadcast Module

Description

- 4 in 1 DT6 & DT8 DALI broadcast module, simple and easy to expand DALI circuit
- All control gears connected to DALI OUT will be controlled via the DALI address of the module
- Output with 150mA DALI power supply to power max. 64 control gears
- No DALI addressing required for the control gears connected to DALI OUT
- Error detection and monitoring function

System Architecture

The software-based DALI Center networks stand-alone lighting components through intelligent hardware creating an integrated lighting control and energy management system for optimal savings.

• **DALI Devices:**
Includes DALI-compatible devices such as luminaires, sensors (e.g., motion and light sensors), and other controllable components.

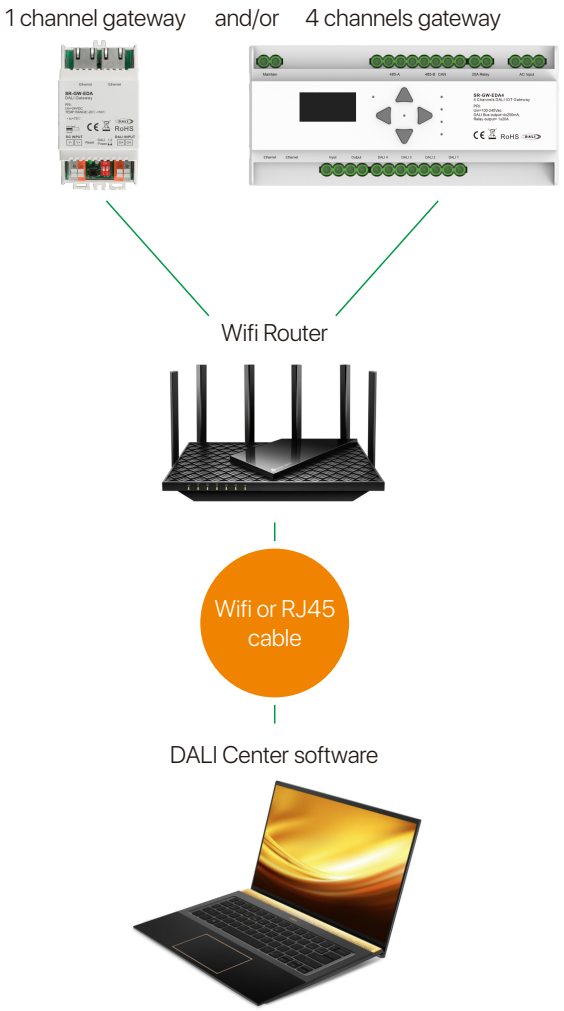
• **DALI Gateways:**
Gateways act as the bridge between the DALI bus and external networks (such as Ethernet or Wi-Fi). They process and manage all connected DALI devices and communicate with the central platform.

• **Central Management Platform (DALI Center Software):**
A software-based control center that integrates all gateways and devices into a unified interface.
• Provides real-time control and monitoring.
• Aggregates energy data for analysis and reporting.
• Allows configuration of groups, scenes, and schedules.
• Supports energy management and diagnostic functions.

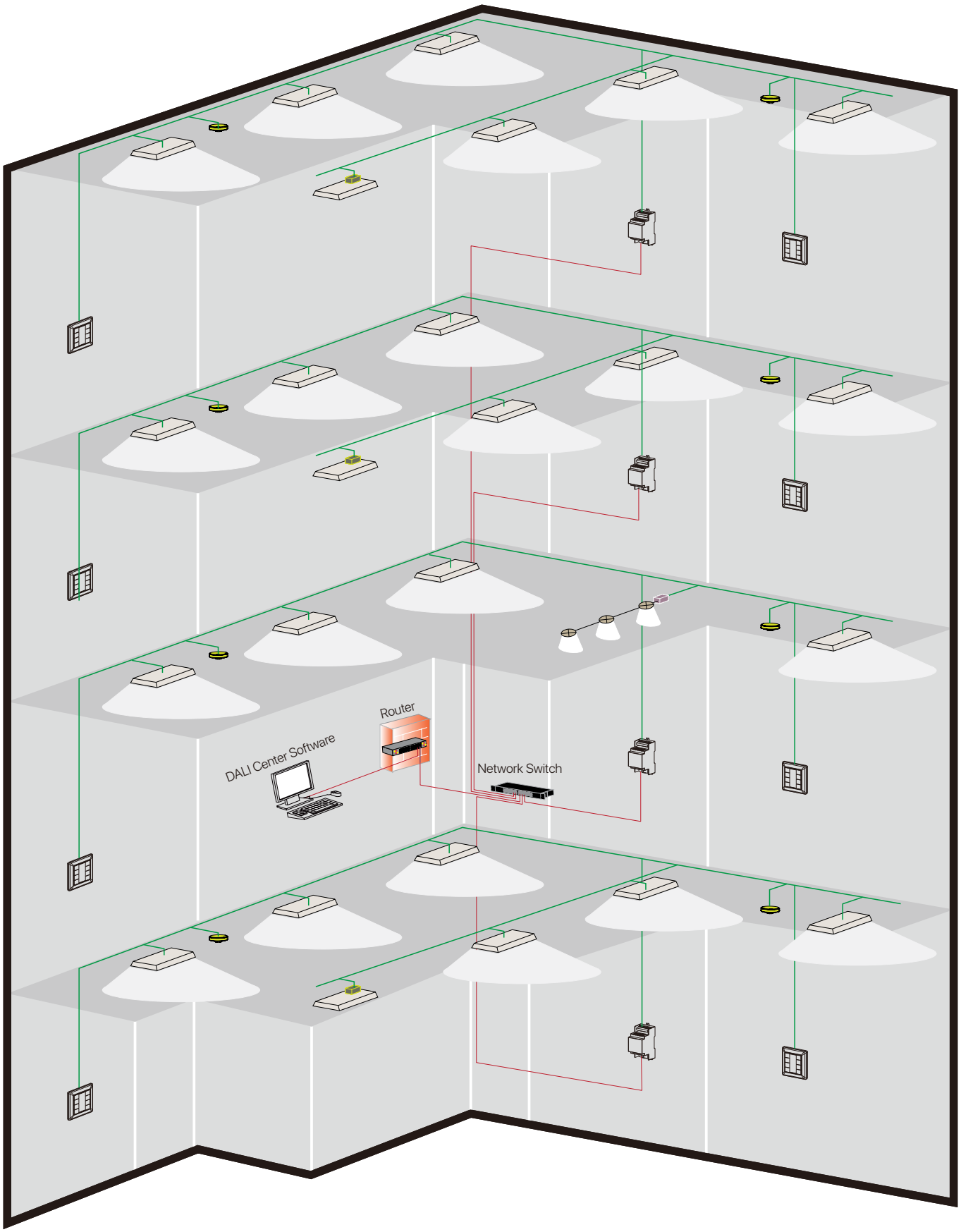
• **Communication Network:**
Connects DALI Gateways to the central management platform through Ethernet, Wi-Fi, or other supported protocols like MQTT. This ensures seamless data exchange and system coordination.

• **User Interface (UI):**
• A PC-based or web-based user interface for system operation.
• Offers intuitive tools for device control, scene management, energy reporting, and troubleshooting.

• **Third-Party Integration:**
Supports integration with external platforms or systems using protocols like MQTT, enabling compatibility with larger Building Management Systems (BMS) or IoT ecosystems.



Innovative Communication Networks



Ethernet Connects
DALI Bus

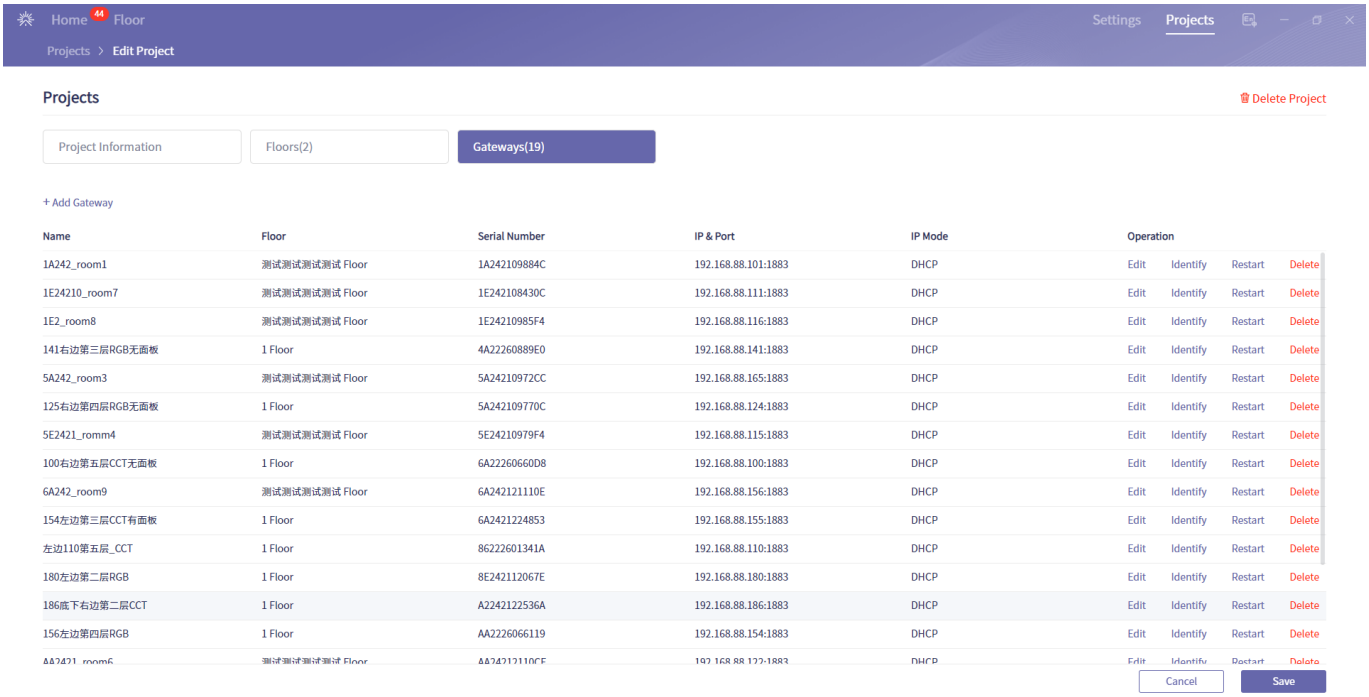
DALI DT6/DT8 Luminaire
DALI Relay Module

DALI Center Gateway
DALI-2 Key Panel

DALI-2 Sensor
DALI Phase Dimmer

Multi-Gateway Control

Multi-Gateway Control is a key feature of the DALI Center system that allows multiple gateways to simultaneously control devices within a single project, enabling efficient management across regions and devices. This feature is particularly useful for small to medium-sized projects and large-scale facility expansions. It allows for flexible addition or reduction of gateways to meet lighting control and management needs in different scenarios.



Flexible Gateway Expansion:

• Multiple gateways can be easily added within a single project based on actual requirements. Each gateway controls a certain number of DALI devices, and the system supports the operation of multiple gateways simultaneously, with no fixed limitations on the number of devices.

• As the project scales, users can simply add new gateways without redesigning the system, enabling easy expansion to control more devices.

Seamless Cross-Gateway Control:

• Devices under different gateways can communicate with each other and be controlled seamlessly. This includes group control and scene control, allowing coordinated operation and management across multiple gateways.

• For example, users can create a "Conference Room" scene via the central platform, which includes devices from different gateways (e.g., lights, curtains, HVAC systems), and control all devices in the scene with a single action.

Combination of Centralized Management and Distributed Control:

• Each gateway independently manages the devices under its control to ensure local stability. Meanwhile, the central platform provides a unified management interface, allowing users to monitor and adjust the status of all gateways and devices in real-time.

• Users can operate and manage devices across multiple gateways from the PC interface or remotely, ensuring the flexibility and efficiency of the system.

Efficient Data Aggregation and Intelligent Decision-Making:

• Each gateway collects and processes energy data from its local devices and reports it back to the central platform. The central platform aggregates data from all gateways, providing comprehensive energy consumption statistics and optimization suggestions.

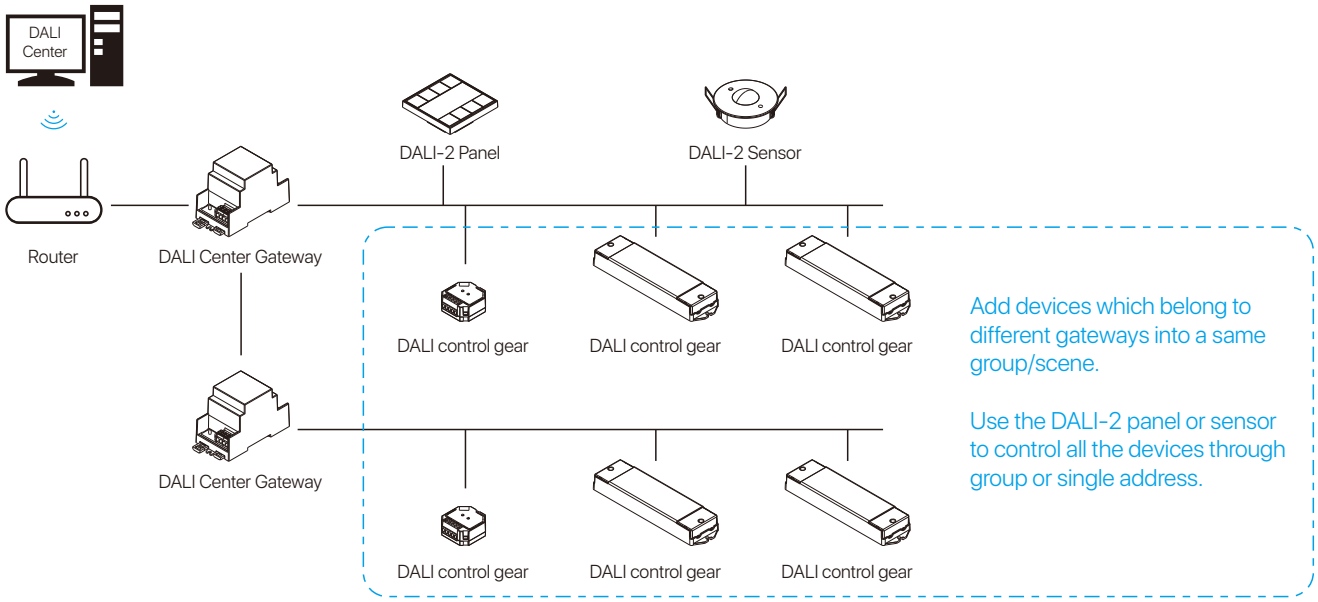
• Users can view the energy efficiency reports of each gateway and its devices, allowing for energy consumption optimization and cost reduction.

Increased System Stability and Fault Tolerance:

• Multi-gateway control effectively enhances system stability and fault tolerance. If one gateway malfunctions, the other gateways continue to operate, ensuring the system remains functional. With a redundant gateway structure, the system guarantees high availability.

Cross-Gateway Control

Cross-Gateway Control is a core feature of the DALI Center system, designed to enable seamless collaboration between multiple gateways, allowing devices under different gateways to be controlled uniformly. This feature breaks the physical and network barriers, helping users efficiently manage devices located in different regions and under different gateways. Cross-Gateway Control supports both group control and scene control, offering high flexibility and customization for large-scale, cross-regional smart lighting management.



Cross-Region Device Control:

• Users can control devices across multiple gateways, regardless of their physical location or which gateway they are connected to. Through the central platform, users can manage all devices under different gateways from a unified interface.

• For example, in a large office building with multiple floors or areas, each floor can have its own gateway, and cross-gateway control enables unified management of lighting, and other devices across the entire building.

Group and Scene Control:

• Cross-Gateway Control is not limited to controlling individual devices but also supports coordinated operation of multiple devices. Users can create device groups across different gateways to adjust the status of all devices within the group (such as turning on/off, brightness, color, etc.).

• Users can also define scenes across gateways, setting the status of different devices in specific scenes. For example, a "Meeting Mode" scene may involve coordinated control of lighting, air conditioning, and blinds from different gateways, ensuring consistent settings across the entire building.

Device Interaction Across Gateways:

• With Cross-Gateway Control, users can link devices across different gateways for automated interactions. For example, when a sensor in one area detects movement, Cross-Gateway Control ensures that lighting in other areas of the building also turns on, rather than just in the localized region.

• This interaction not only enhances the user experience but also optimizes energy efficiency, reducing unnecessary energy consumption.

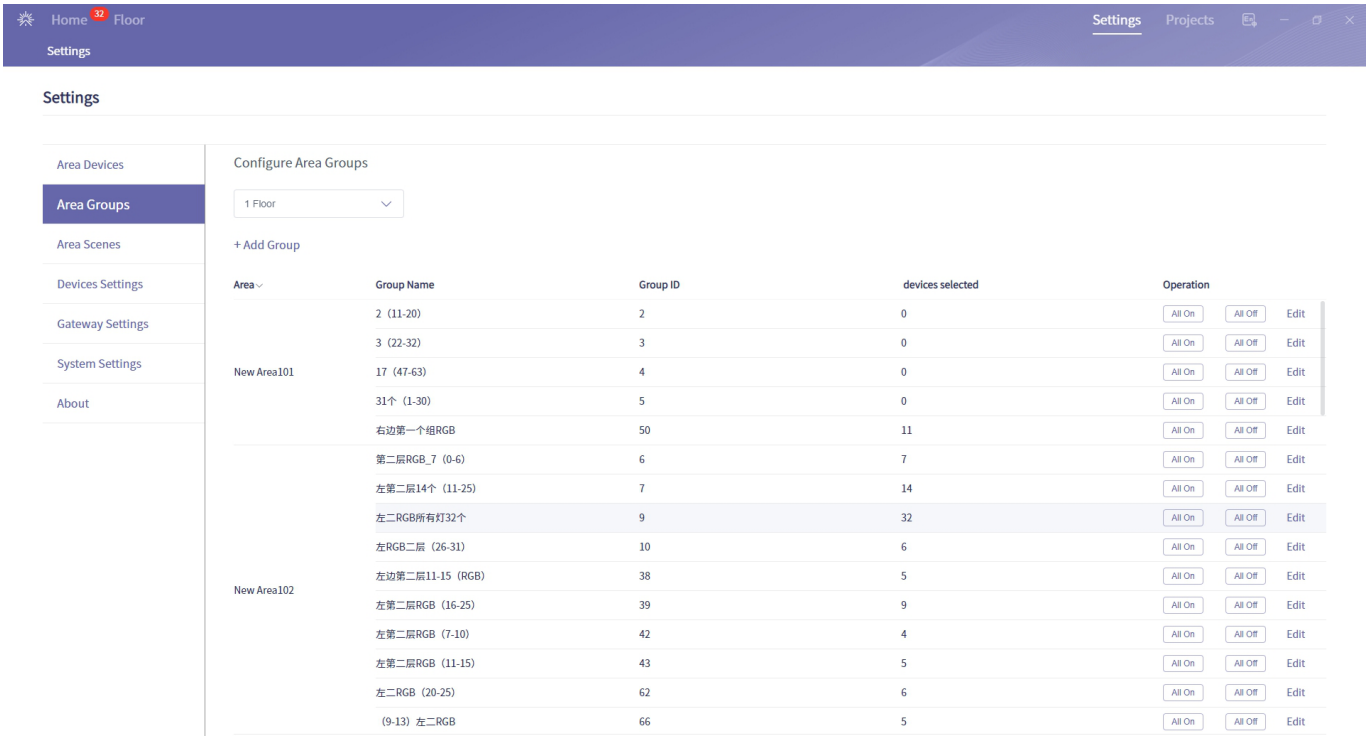
Reduced Operational Complexity:

• Traditional lighting management systems often require manual operation and setup for each gateway. With Cross-Gateway Control, users can manage all gateways and devices from a single control platform, simplifying the operation process.

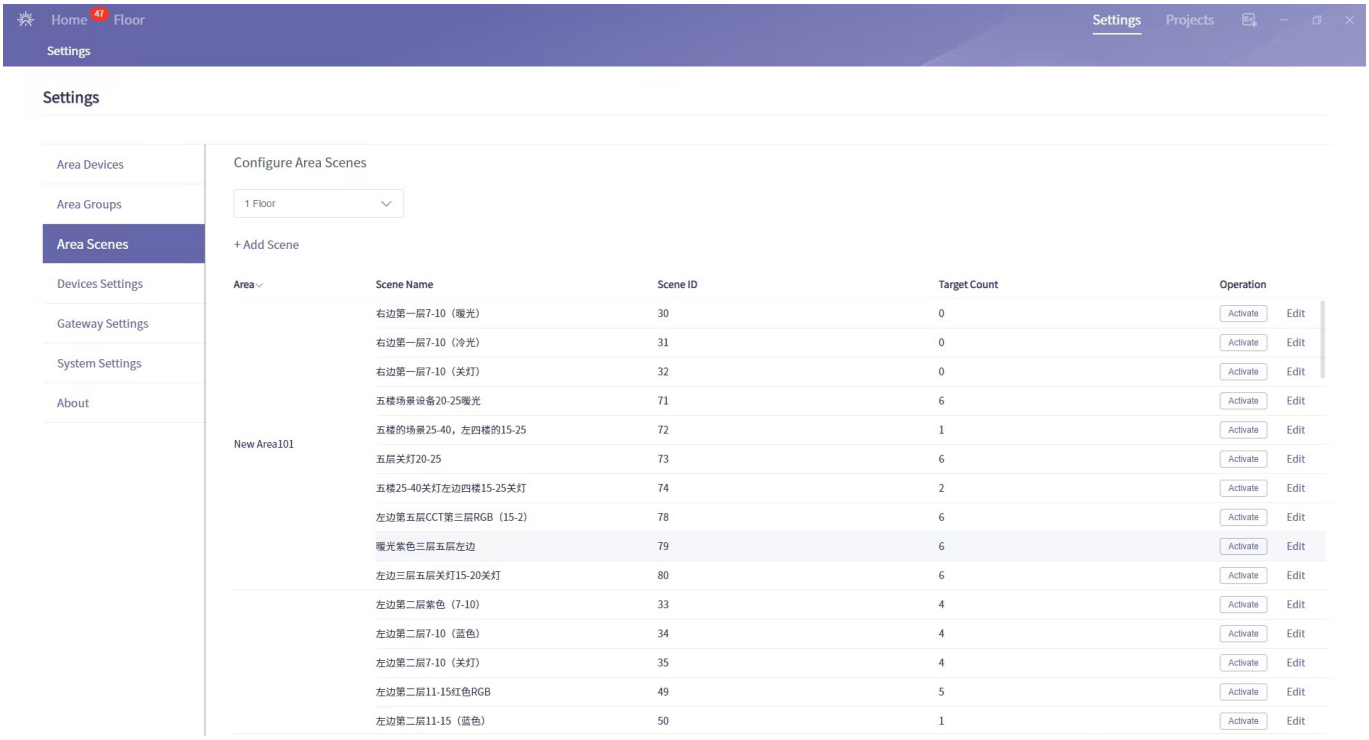
• Users only need to configure control commands once on the central platform, and the system will automatically coordinate actions across multiple gateways and devices, reducing the need for manual configurations.

Unlimited Number of Groups and Scenes

DALI Center system provides unparalleled flexibility, allowing users to configure and manage an unlimited number of groups and scenes based on project needs, space structure, and usage scenarios. Whether for small or large projects, users can seamlessly expand the system, creating an unlimited number of groups and scenes to achieve precise lighting control and intelligent management.



▲ Group setting



▲ Scene setting

Easy Addition and Deletion:

• In the DALI Center system, users can easily add or remove groups and scenes at any time. New devices can be quickly added to existing groups, or devices can be removed from groups as needed. Scenes can also be added or deleted based on actual requirements, making the system extremely flexible.

Multiple Light Targets and Statuses in a Scene

In the DALI Center system, a scene can include multiple different lighting targets, such as different groups or individual lights. These targets can be configured with different states or settings within the same scene. For example, in one scene, some lights can be set to "ON," while others can be set to "OFF." This flexible configuration allows for a dynamic and highly customizable lighting environment, adapting to various user needs and scenarios.

Multiple Lighting Targets in One Scene:

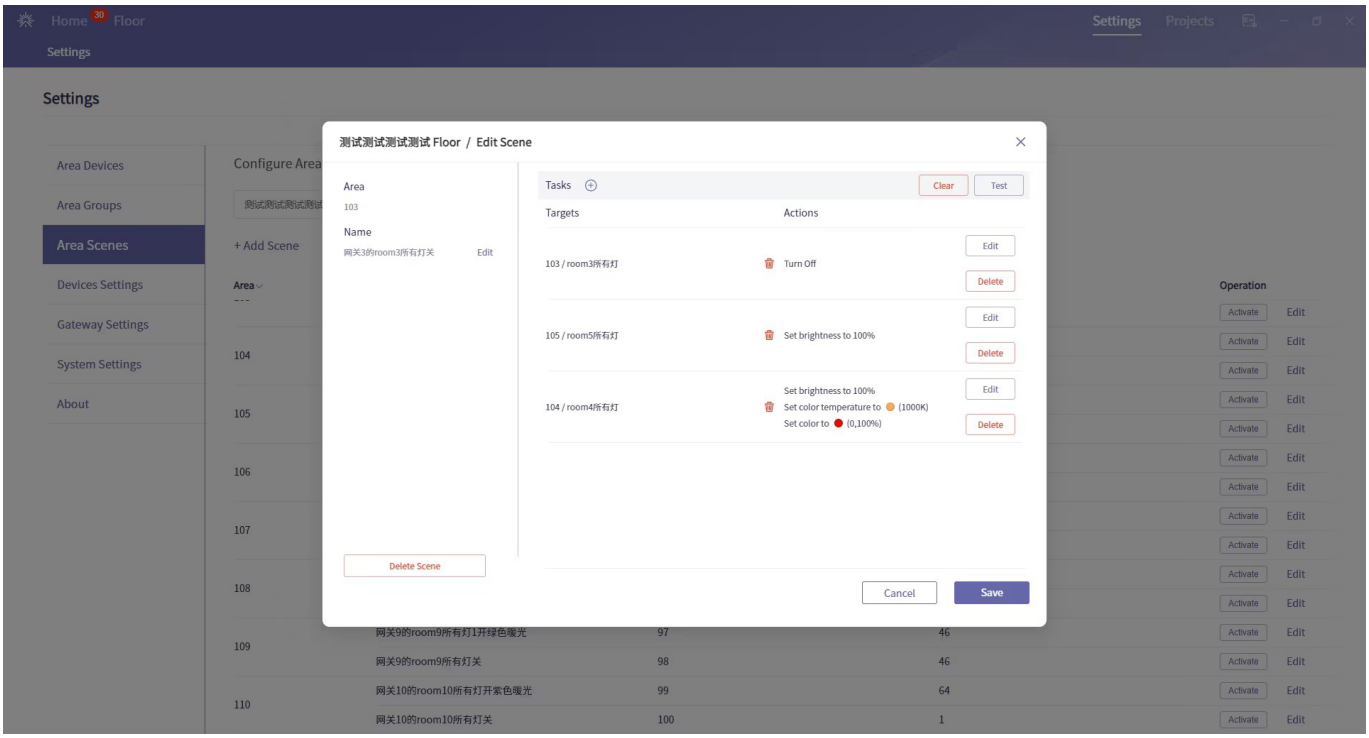
• A scene in the DALI Center system can control multiple lighting targets within a single configuration. These targets can be different groups of lights or individual devices, providing maximum flexibility in controlling the lighting environment.

• **Application Example:** In a conference room, a scene could include various groups of lights, such as overhead lights, task lights, and accent lighting. Within this scene, some groups could be turned on to full brightness, while others could be dimmed or turned off, depending on the user's needs.

Multiple Light Statuses in One Scene:

• Each lighting target within a scene can be set to different states. For instance, some lights may be turned on, while others may be set to off, dimmed, or adjusted to a specific color temperature or brightness level. This enables highly customizable lighting environments within a single scene.

• **Application Example:** In a dining area, a scene could set the overhead lights to a warm, dimmed setting for ambiance, while simultaneously setting task lighting for the kitchen area to full brightness. This ensures that different activities within the same space can be effectively supported.



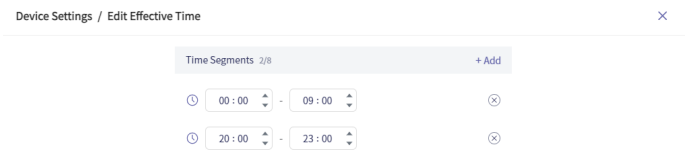
▲ The target can be single lighting device or group, but can only select one target type in a same scene

Flexible and intelligent sensor strategy

Through precise sensor configurations and real-time monitoring, the DALI Center system provides users with intelligent automatic light adjustment and environmental control, ensuring lighting always meets actual needs.
The system supports various sensor configurations and flexible recovery strategies, catering to different spaces and occasions, offering personalized solutions.

Configuring Sensor Active Time Period:

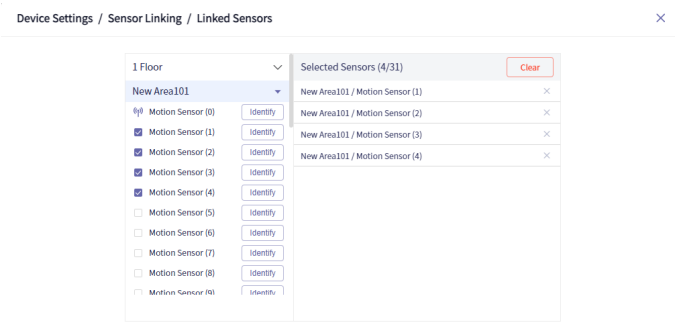
• Users can set the active time period for sensors, ensuring that sensors only work during specified times. This helps prevent automatic lighting control during unnecessary periods, saving energy and avoiding errors.

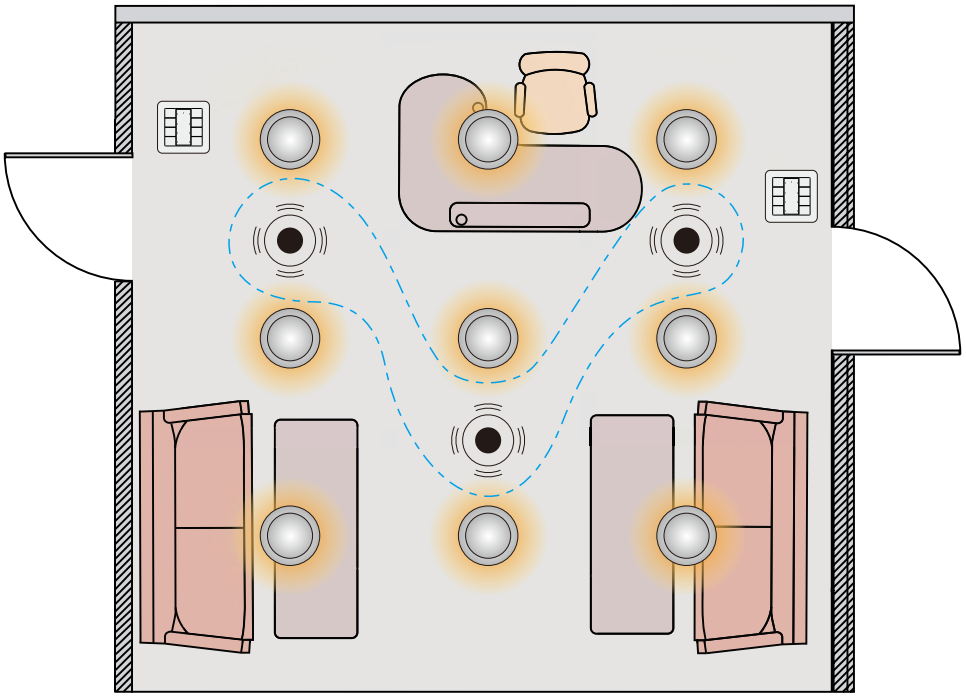


Multi-Sensor Collaborative Control:

• The system supports multiple sensors working collaboratively in the same area. These sensors can share control strategies and objectives, simplifying the configuration process. Users only need to configure one sensor, and the other sensors will automatically inherit this configuration without the need for redundant settings.

• Suitable for large office areas, warehouses, corridors, etc., where multiple sensors work together to achieve comprehensive light control.





▲ Three sensors can linked together, use the same control strategy

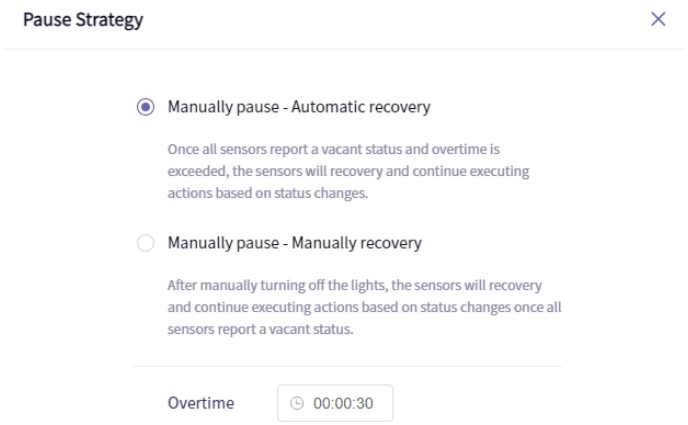
Flexible Sensor Pause and Recovery Strategy:

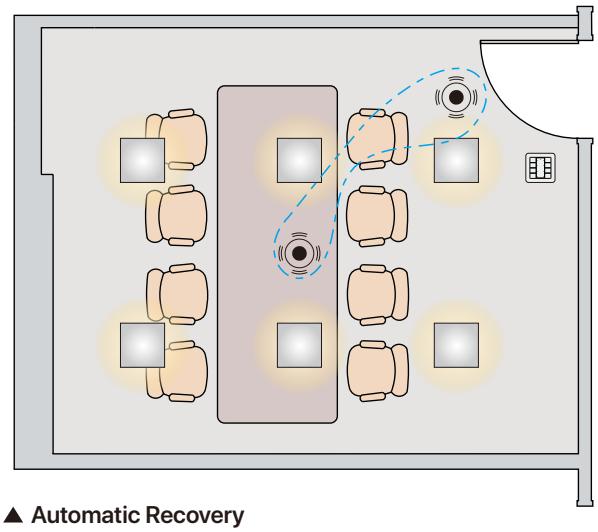
• After users manually control the lighting, the sensors will pause operation to prevent automatic control from causing unnecessary lighting changes. Users can configure recovery strategies based on their needs, including:

Automatic Recovery:
• When all sensors are idle and exceed the preset time, the sensors will automatically resume operation.

Manual Recovery:
• The sensor will only resume operation when the user manually turns off the lights, and all sensors are idle, with the preset time exceeded.

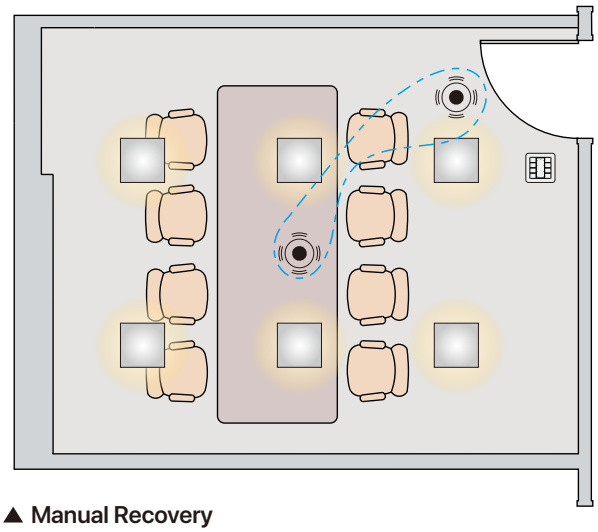
Application Scenarios:
Suitable for meeting rooms, exhibition spaces, and other areas that require manual intervention to ensure that sensor control doesn't interfere with lighting when manual control is needed.





▲ **Automatic Recovery**

1. Use the panel to recall a meeting/PPT display scene, the sensor stop working.
2. The sensor recovery when all the following conditions are met:
• All sensors in this area turn to vacant status.
• The overtime is exceeded.
The sensor function will automatic recovery, and turn all lights off.



▲ **Manual Recovery**

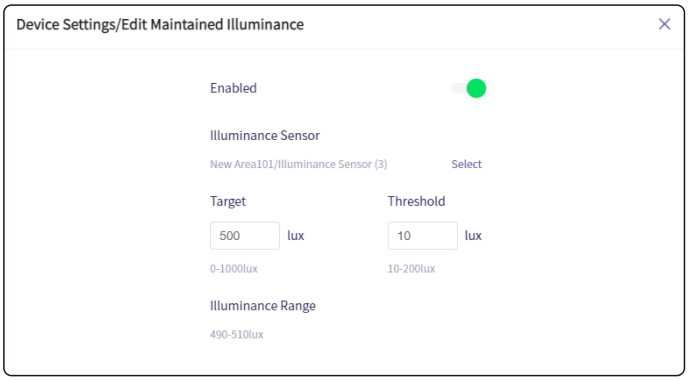
1. Use the panel to recall a meeting/PPT display scene, the sensor stop working.
2. The sensor recovery when all the following conditions are met:
• All sensors in this area turn to undetected mode,
• Manually turning off the lights.
• All sensors in this area turn to vacant status.
• The overtime is exceeded.
The sensor function will recovery, and continue executing actions based on status changes next time.

Intelligent Light Adjustment and Constant Light Level Control:

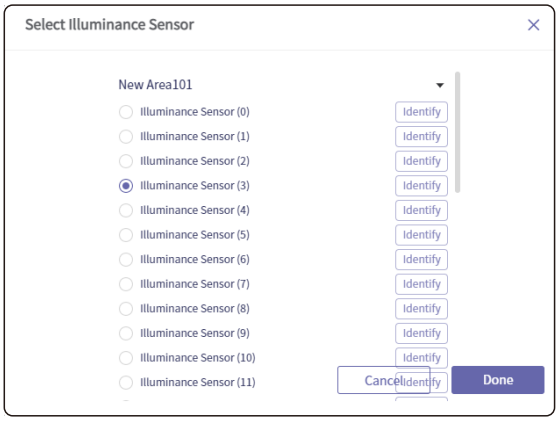
• The DALI Center system utilizes light sensors to automatically monitor and adjust the ambient light intensity, ensuring that indoor lighting maintains a constant light level. This intelligent adjustment not only enhances comfort but also effectively reduces energy consumption.

Application Scenarios:

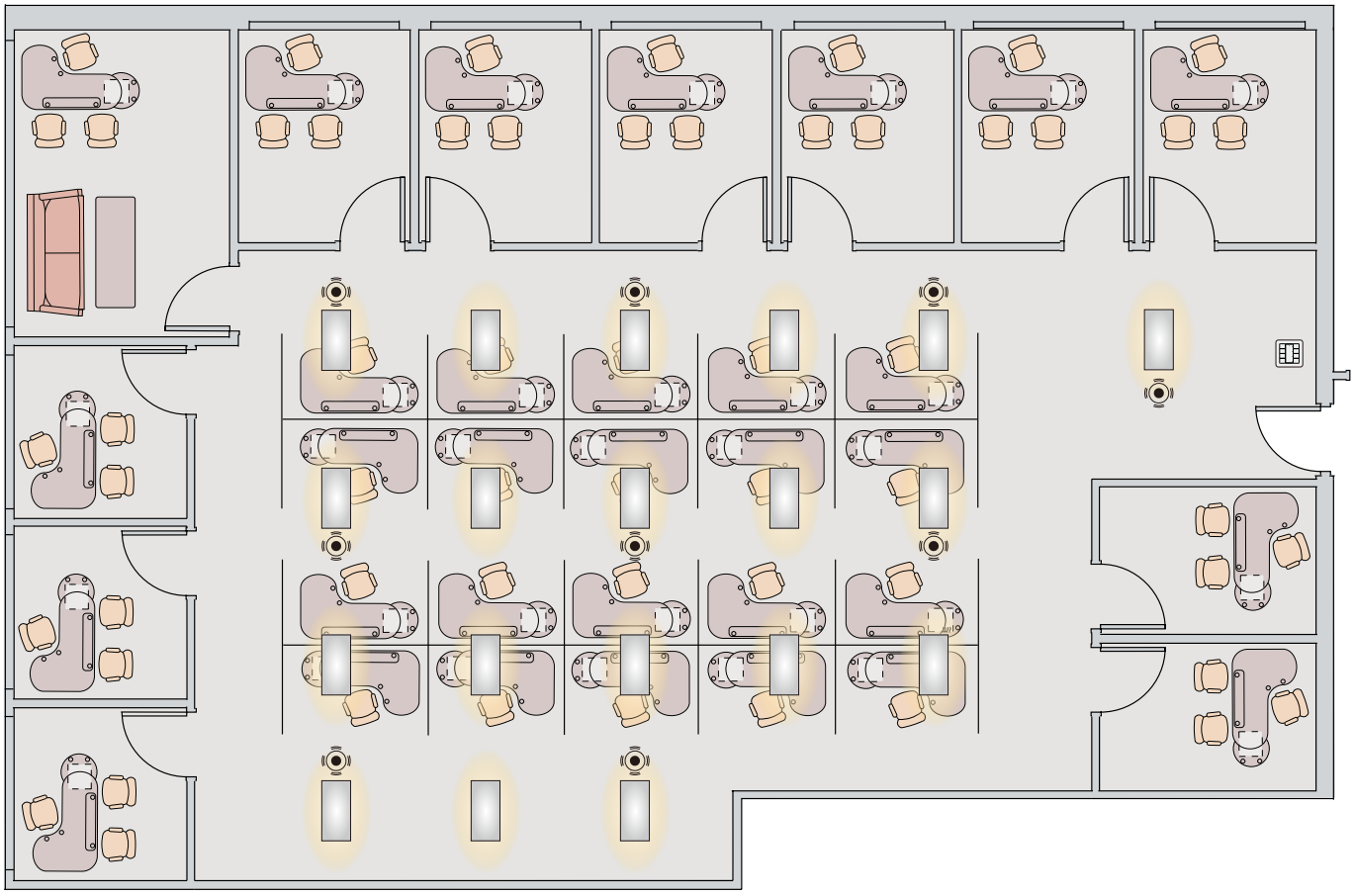
• Ideal for environments like offices, exhibition halls, and other spaces where artificial lighting needs to be adjusted according to natural light levels.



▲ Enabled maintained illuminance



▲ Select a illuminance sensor to use its data



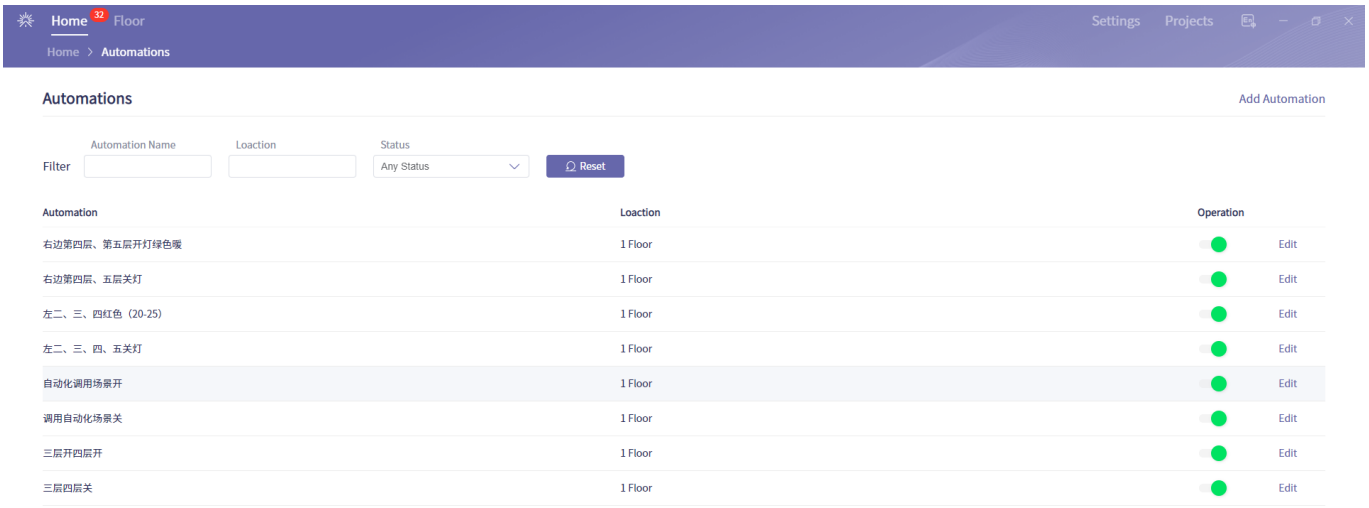
▲ Open Office

Mobile sensors and illumination sensors work together to keep the office in constant illumination.
Illuminance sensor install in different position may have different illumination value, the user can choose the best position sensor to set maintain illuminance control.

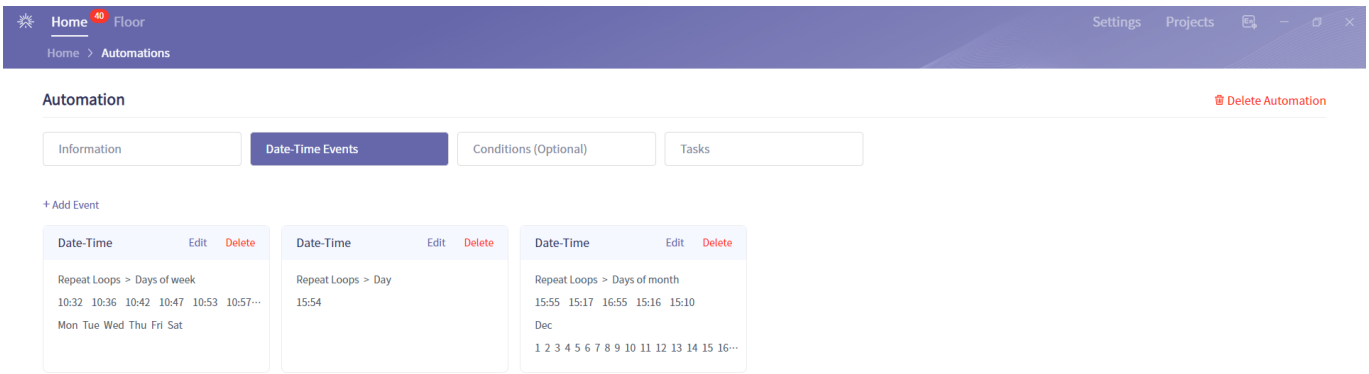
Scheduled Planning and Automation Control

The scheduled planning feature allows users to set specific on/off times for devices, automating the control of the lighting system. Users can configure daily or weekly schedules to automate the operation of lighting equipment, eliminating manual intervention and improving operational efficiency while optimizing energy use.

Application Scenarios:
This feature is suitable for environments such as offices, meeting rooms, corridors, etc., where lighting needs to be automatically turned on or off based on a set schedule. For example, office lights turn on during working hours and automatically off after work hours, or lighting in public areas is managed for energy efficiency during low-traffic times.



Flexible Scheduling Options:
Users can set schedules flexibly based on different needs, such as:
One-Time Schedule: Set a specific on/off time for a particular day or time period.
Recurring Schedule: Set lights to turn on and off at the same time every day or on specific days of the week.
Multiple Schedules: Multiple schedules can be configured for a single device to cater to various needs, such as holidays or special events.



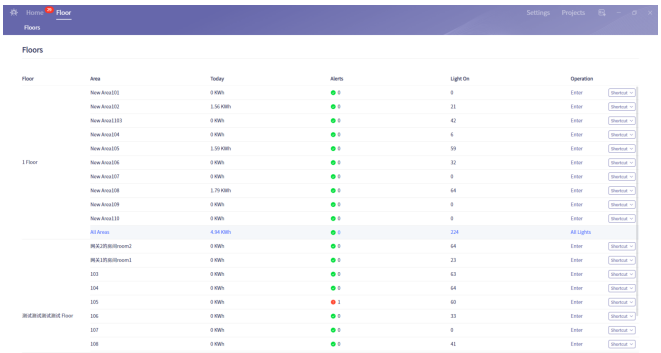
Automation and Scene Management:
Scheduled planning can be integrated with scene control, where users can define multiple devices' states (on/off, brightness, color temperature, etc.) as part of a scene and automatically switch between scenes based on schedules. For example, lights may be set to office mode during the day and to a cozy mood in the evening. The system can also automate the lighting based on time, for example, switching to dim mode during break periods.

Intelligent Energy Management:
Scheduled planning and automation control not only enable flexible lighting control but also help save energy. The system can automatically manage when devices turn on and off based on pre-set schedules, thus reducing unnecessary energy consumption. This is especially valuable in spaces with high lighting demands.

Energy Efficiency: By controlling lights based on user-set schedules, the system can turn off lights during periods of low activity, minimizing energy wastage. Additionally, energy consumption data can be tracked to optimize future settings.

Energy Efficiency Management and Monitoring

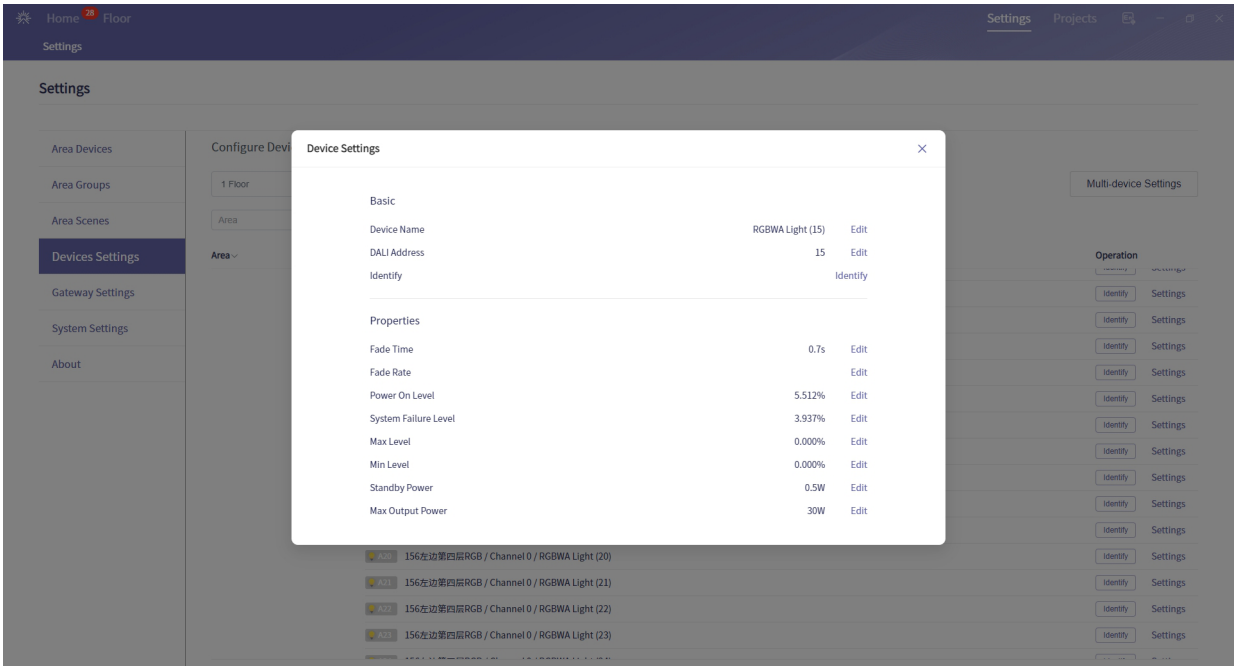
The DALI Center system provides an intelligent and comprehensive energy efficiency management and monitoring solution for lighting systems. By integrating energy consumption data, device status, and real-time feedback, the system ensures that lighting is optimized for both performance and energy savings. It allows users to monitor, analyze, and control energy usage to reduce operational costs and contribute to sustainability goals.



Real-Time Energy Consumption Monitoring
The system continuously tracks the energy consumption of all connected devices and provides real-time feedback on power usage. This feature allows users to identify inefficiencies, track trends in energy consumption, and detect unusual activity that could indicate potential problems or optimization opportunities.

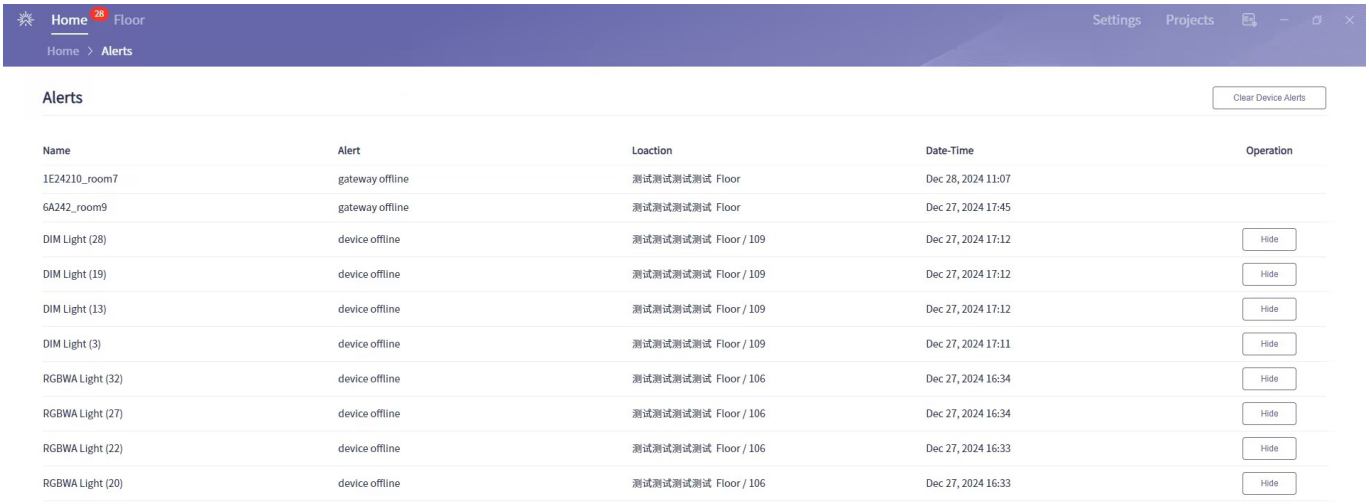
Energy Data Visibility: Users can access detailed energy usage data, including consumption per group, and area, to evaluate the overall energy efficiency of the lighting system. This enables more informed decision-making about lighting adjustments and optimizations.

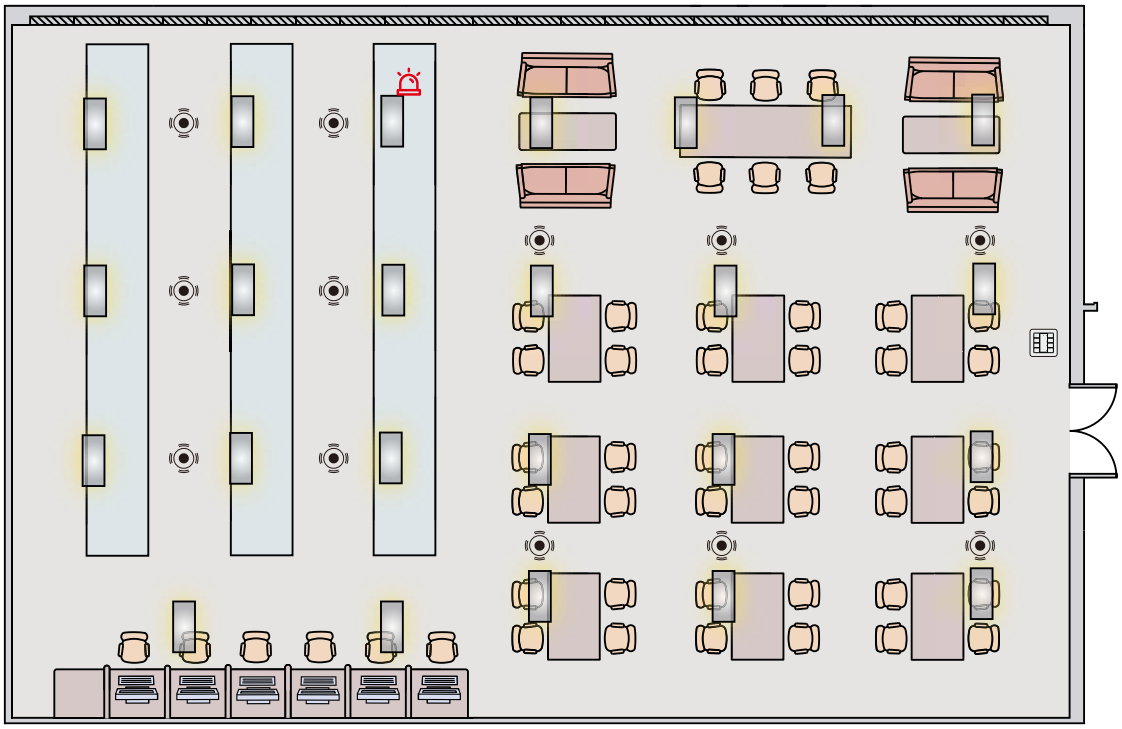
Manual set the output power of the lighting devices
Devices that do not support energy feedback can be manually set to allow the system to automatically calculate the energy consumption of the device according to the brightness of the light.



Device Fault Alarm

The device fault alarm and maintenance feature is a core component of the DALI Center system, designed to provide real-time monitoring of device status, quickly detect and report any faults or abnormalities. This feature not only reduces downtime but also improves maintenance efficiency through early fault detection. The system is capable of identifying device malfunctions and automatically triggering alarms to notify management personnel, ensuring that issues are addressed and resolved as quickly as possible, ensuring stable system operation.



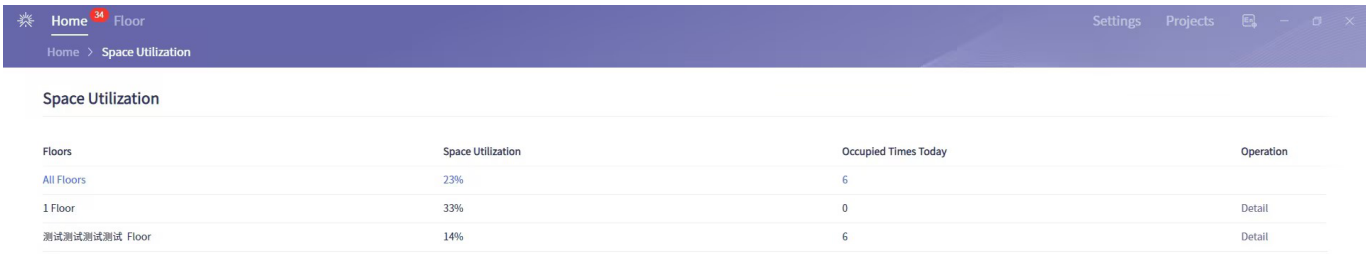


▲ **Library**

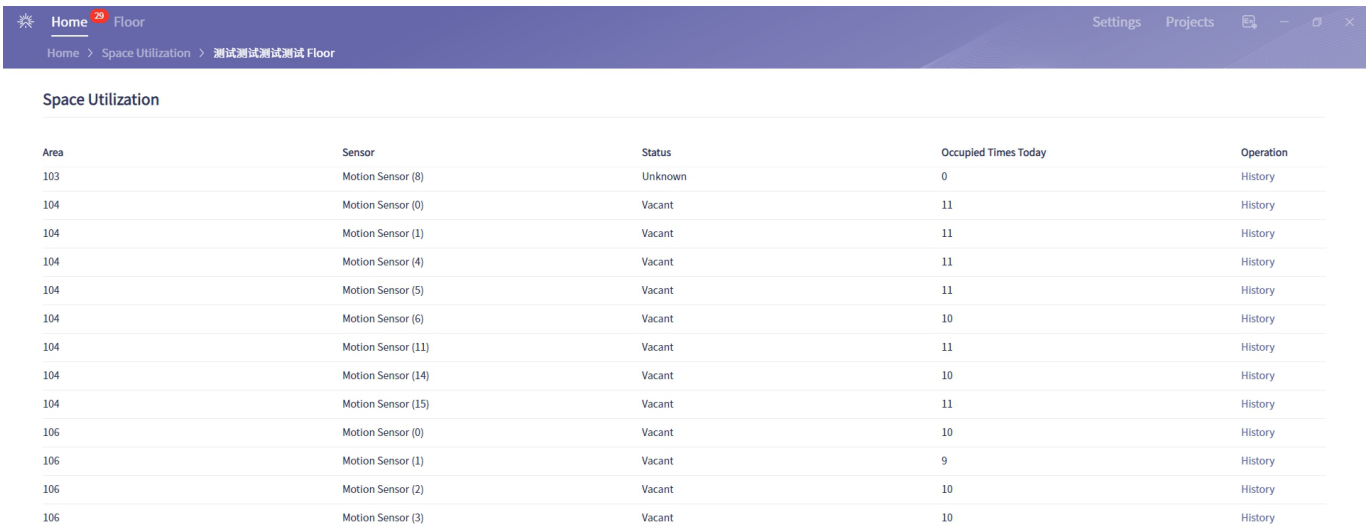
Helps quickly locate faulty lamps

Space Utilization Statistics

The space utilization statistics feature is a crucial aspect of the DALI Center system, designed to monitor, analyze, and report the usage of spaces in real time. By leveraging occupancy sensors (such as PIR) integrated with the system, this feature tracks the presence of people in different areas and provides data on space utilization patterns. This enables users to make informed decisions about lighting optimization, energy savings, and space management.



Real-Time Space Monitoring:
The system continuously monitors the occupancy status of various spaces within the building. Using a network of sensors, it tracks the presence and movement of individuals across designated areas, providing real-time data on how spaces are being utilized. This feature is essential for large or multi-zone facilities where it is important to know which spaces are being used and which are unoccupied.



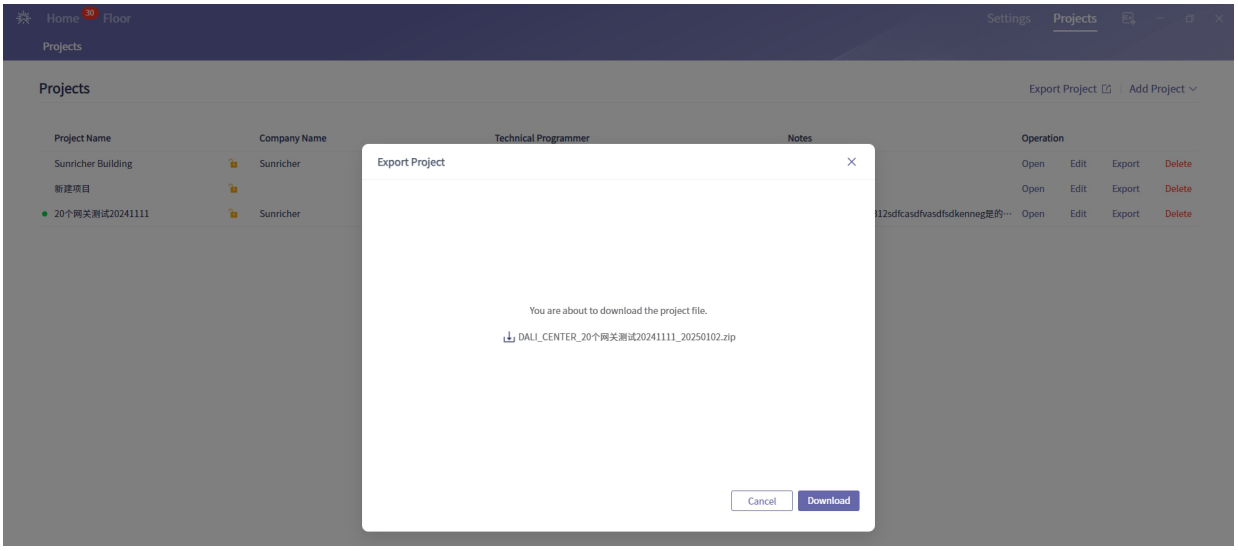
Space Utilization Reporting:
DALI Center generates reports based on occupancy data to provide users with detailed insights into space usage. These reports can be accessed in real-time or generated for specific periods to analyze trends over time.

Quick Project Export and Import

The project quick export and import feature is an efficient tool in the DALI Center system, designed to simplify the process of saving, transferring, and sharing project configurations. This feature allows users to export all current project configuration data as a file or quickly import an existing configuration file into the system. This enables seamless deployment and configuration across devices, teams, or projects, significantly improving operational efficiency.

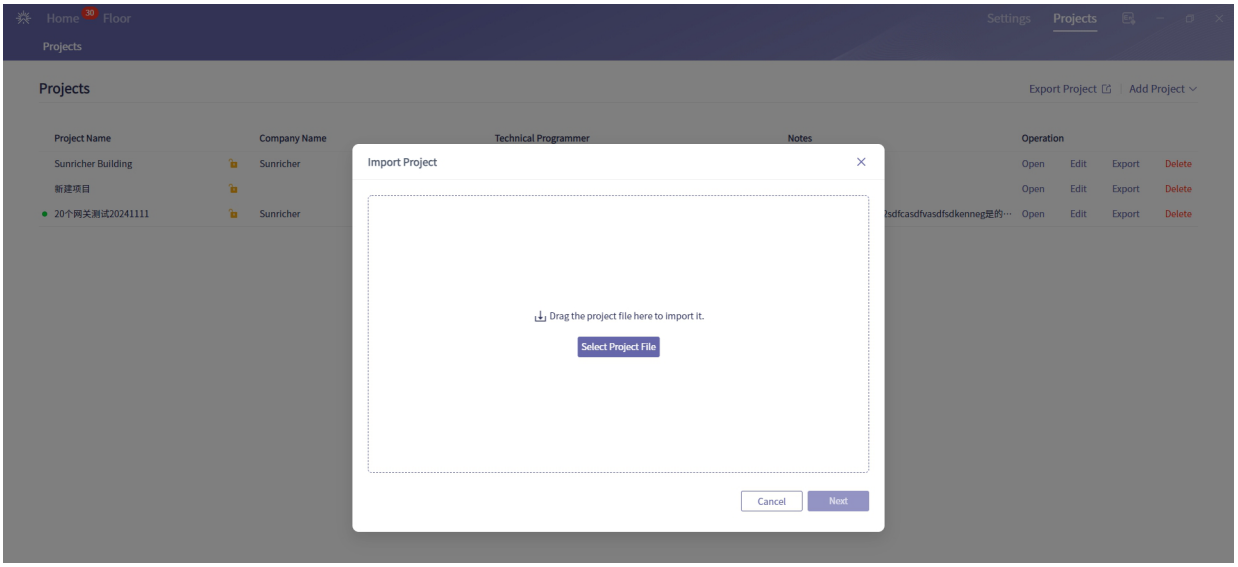
Project Export Function:
The system can export all configuration information of the current project, including device lists, group and scene configurations, sensor settings, schedules, and more, into a single file with one click.

Use Cases:
Project Handover: After project implementation, export the configuration file for the customer to save and manage.
Data Backup: Back up the current project configuration to prevent data loss due to device failure or human error.
Cross-Device Migration: Quickly export configuration files and migrate them to new devices when replacing gateways or hardware, reducing repetitive setup time.



Project Import Function:
The system supports quickly importing exported configuration files into new projects. Once imported, all configuration data takes effect immediately without requiring manual reconfiguration.

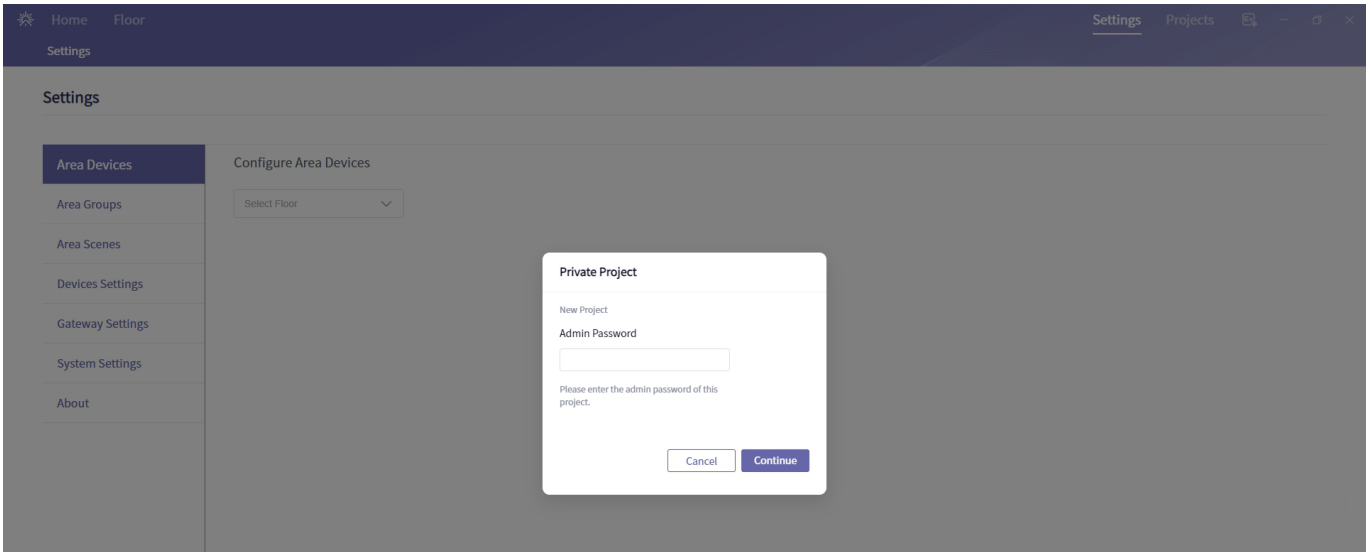
Use Cases:
Rapid Deployment: In multiple similar projects (e.g., chain stores, office buildings), the same configuration file can be used to replicate project settings, greatly enhancing implementation efficiency.
Configuration Restoration: After resetting devices to factory settings, use the import feature to quickly restore all project parameters.
Project Sharing: Share configuration files among team members to facilitate collaborative project handover.



Project Encryption Protection

The Project Encryption Protection feature in the DALI Center system is designed to ensure the security and confidentiality of project configuration data. This feature allows users to encrypt the configuration files of their projects, safeguarding sensitive information such as device settings, schedules, group configurations, and energy consumption data. By applying robust encryption methods, this feature provides protection against unauthorized access, tampering, and data leaks, ensuring that the project remains secure throughout its lifecycle.

Secure Project Sharing:
The encrypted project files can be shared securely across different stakeholders (e.g., team members, contractors, and system integrators). Only those with the decryption key can access and modify the files, ensuring secure collaboration without exposing sensitive data.



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