

HAISEN[®]

HAISEN BLUE app Commissioning

User Manual

Aug 12th 2023

V1.0





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HAISEN BLUE app

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INTRODUCTION

In the quest for energy efficiency and sustainable living, the HAISEN BLUE app emerges as a cutting-edge solution specially designed for the North American market. Powered by Bluetooth Mesh technology, this innovative application brings forth a new era of energy consumption monitoring by the NLC certificated manufacturer, Shenzhen HAISEN Technology Co.,Ltd.

Harnessing the power of Bluetooth Mesh, the HAISEN BLUE app provides a robust infrastructure for controlling and monitoring lighting systems in commercial and industrial spaces. Whether it's an office building, warehouse, or a smart home, this application seamlessly connects lighting fixtures, sensors, and gateway, creating an intelligent mesh network that enables efficient energy management and enhanced user control.

HAISEN BLUE app allows to monitor energy consumption in real-time. By capturing and analyzing detailed data on lighting usage, users gain valuable insights into their energy consumption patterns and can identify areas for optimization. This empowers commissioning agents, contractors, installers and facility managers to make informed decisions, implement energy-saving strategies, and reduce carbon footprint.

Networking and Zoning is another remarkable feature offered by the HAISEN BLUE app. With its intuitive interface and advanced scheduling capabilities, users can effortlessly define and manage lighting zones, tailoring illumination levels and timings to specific areas or activities. This granular control not only enhances user comfort but also minimizes unnecessary energy consumption by lighting unoccupied spaces.

In summary, the HAISEN BLUE app is a game-changer in the realm of energy efficiency. Leveraging Bluetooth mesh technology, it facilitates energy consumption monitoring and zoning control, paving the way for optimized lighting systems and reduced environmental impact. With the added potential for rebates, this application offers a compelling proposition for business owners seeking sustainable lighting solutions in the North American market.

ACCOUNT

HAISEN BLUE commissioning requires to have an account, which can be used for both mobile phone app or web platform.

Please make sure:

1. The sensors and devices are correctly connected and powered ON according to product installation manual
2. The app HAISEN BLUE has been downloaded from Google Play market (Android version) or APP STORE (IOS version), or scan below QR code for download link.

(APP language automatically following mobile phone's system language)



Now you are ready to create your own account!

***Please choose "United States of America" in Region Selection area, because HAISEN BLUE's server located in the US.**

1. Use phone number

It doesn't have to be an American telephone number.

A message will be sent to this phone number as a recognition.

2. Use mail address

Without any region restriction

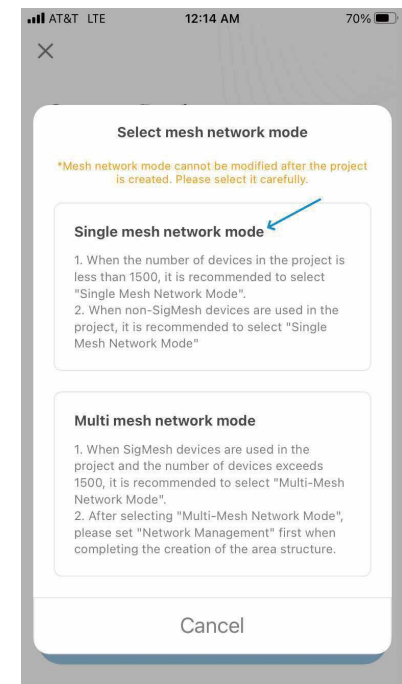
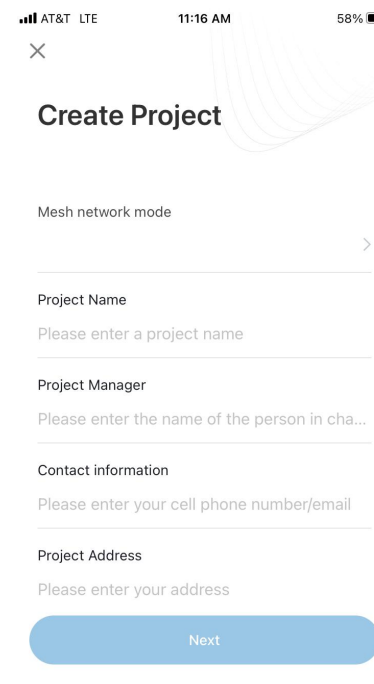
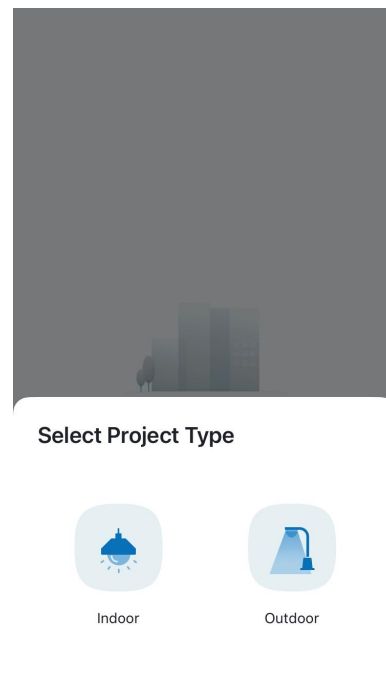
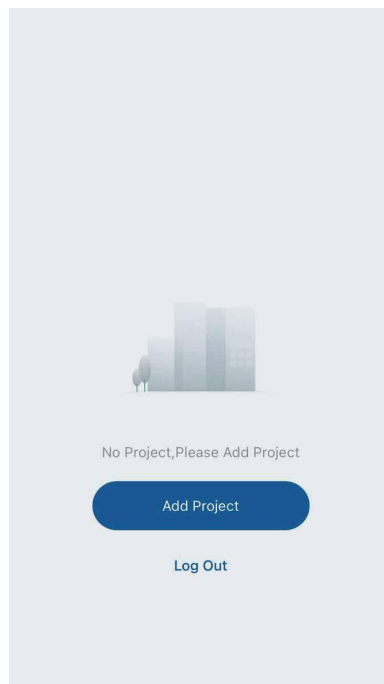
Visit below link for platform view

<https://iot.haisensz.com/>

LOG IN

This application is primarily designed for device management and energy efficiency monitoring, so it's necessary to start with project creation

“Add Project”- “Select Project Type”- “Create Project”, in “Mesh network mode” please choose “Single Mesh Network Mode”



“Add Project”- “Select Project Type”- “Create Project”, in “Mesh network mode” please choose “Single Mesh Network Mode”

On the same page, fill in below require areas:

“Project Name”

“Project Manager”

“Contact Information”

“Project Address”

Press “Next” go to the next page for further details

AT&T LTE 11:17 AM 57%

×

Create Project

Mesh network mode

Single mesh network mode >

Project Name

Abc University Smart Lighting Upgrade

Project Manager

Please enter the name of the person in cha...

Next

q w e r t y u i o p

a s d f g h j k l

↑ z x c v b n m ↵

123 🌐 🗣️ space return

“Add Project”- “Select Project Type”- “Create Project”, in “Mesh network mode” please choose “Single Mesh Network Mode”

On the same page, fill in below require areas:

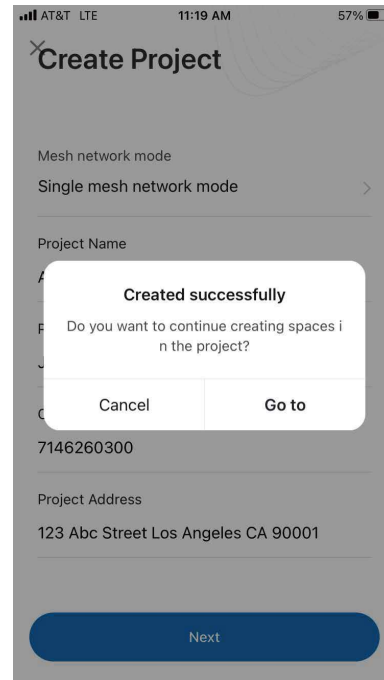
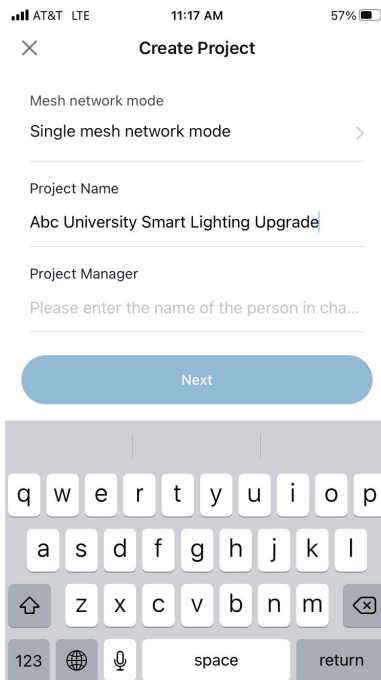
“Project Name”

“Project Manager”

“Contact Information”

“Project Address”

Press “Next”- “Go to” the project has been created successfully, it will lead you to further details.

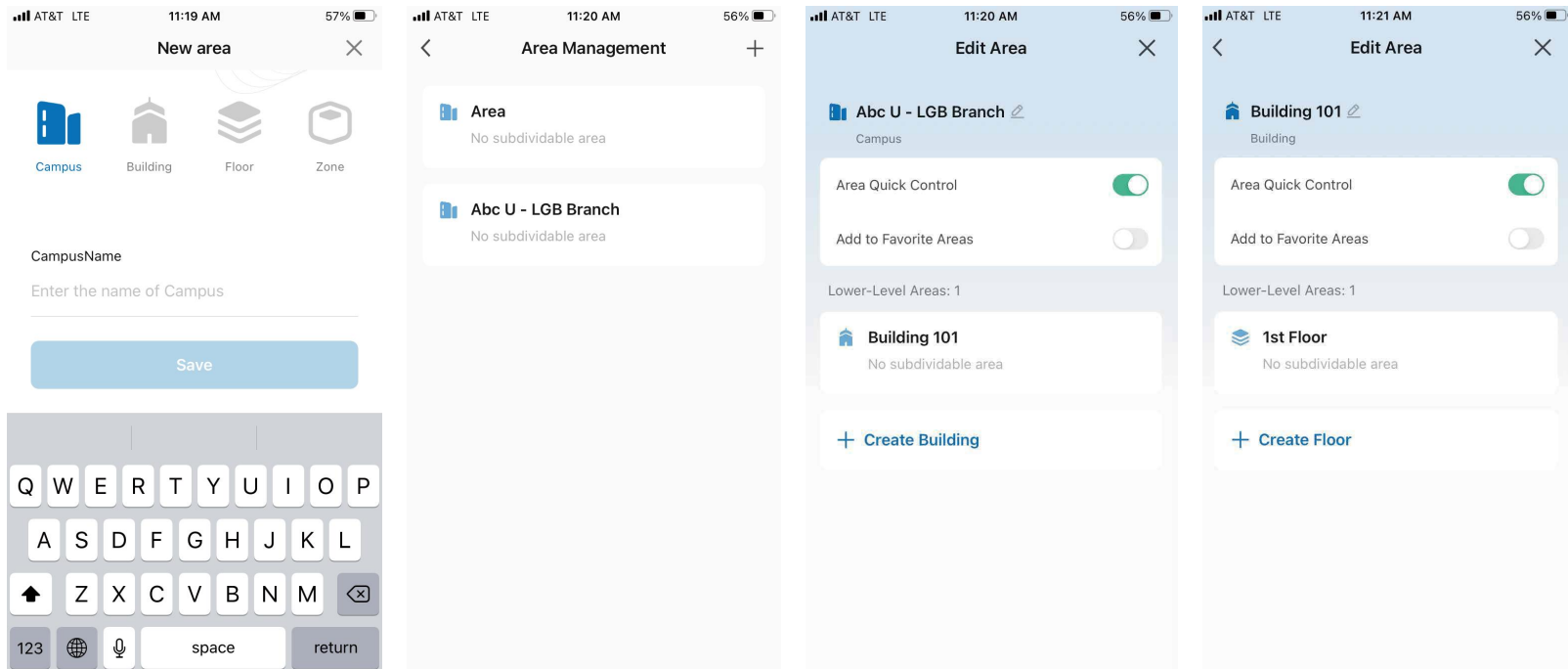


Press “Next”- “Go to” the project has been created successfully, it will lead you to further details.

At the “New area” page, we’ve listed necessary area items, narrow down from “Campus”- “Building” - “Floor”to“Zone” which is the smallest unit that can’t be further divided.

Please name each item individually to facilitate better project management in the future.

Can always add more buildings, floors or zones in each related pages by repeating the same steps of naming.



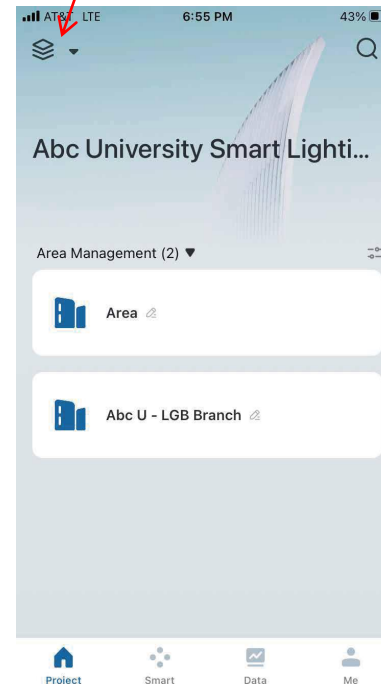
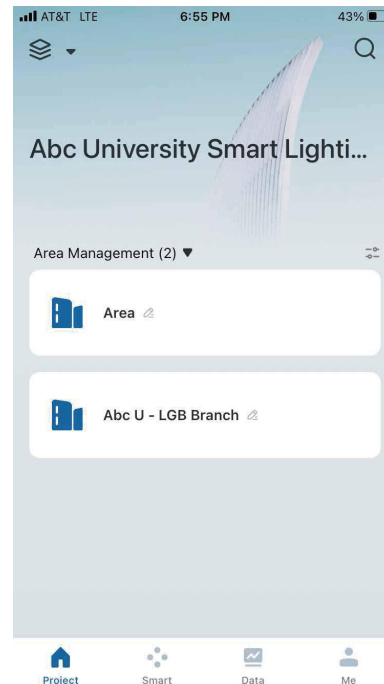
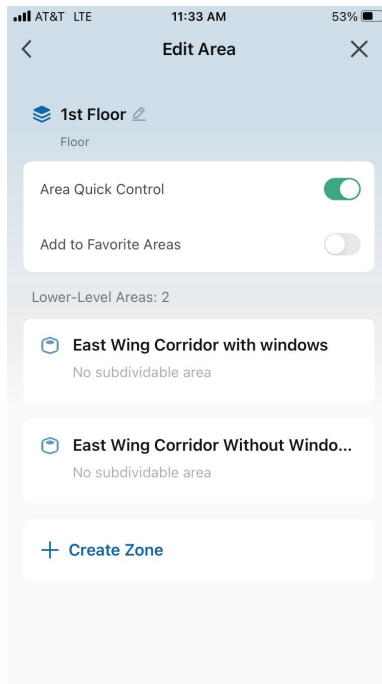
Can always add more buildings, floors or zones in each related pages by repeating the same steps of naming.

Tap "X" at the top right corner to complete area setting.

Tap "<" at the top left corner will take you one level up.

At this stage, you have successfully established a well-managed project. Next, you can proceed to add devices.

Tap "arrow pointed mark in pic 3" you can swiftly adjust or switch to other pre-established projects.



Project - ADD DEVICE

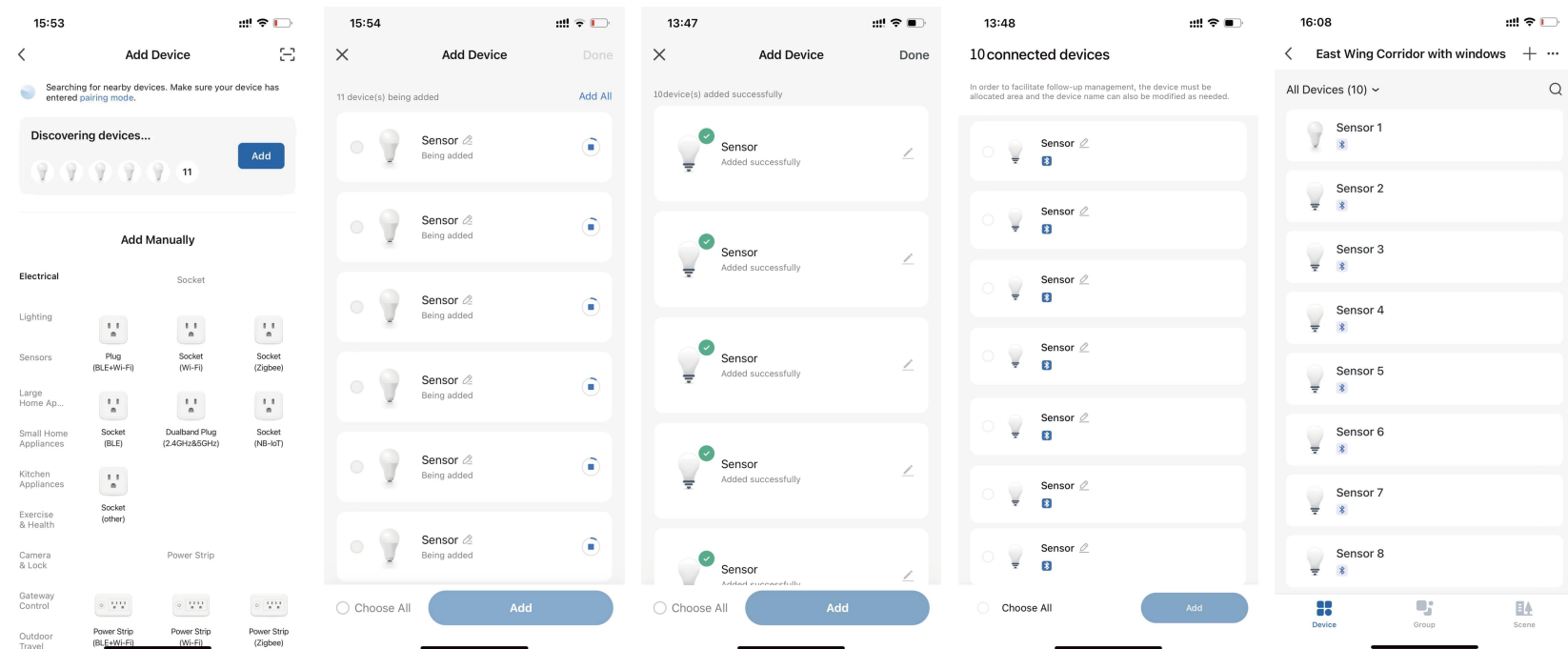
Select a required “zone” and tap “+” on the right top corner, choose “New Device” to start automatically searching, showing as “Discovering devices”, tap the blue “Add” button to add them automatically.

Note:

If you find some devices aren't discovered on this page, it's probably because the devices have been connected by another user and weren't correctly disconnected.

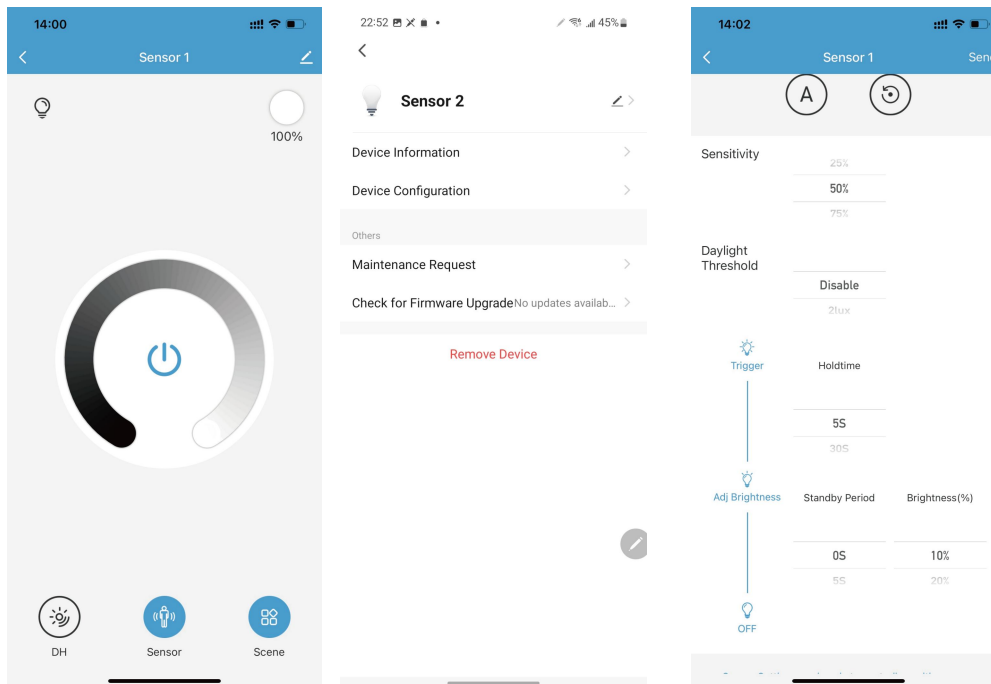
Please press “can't find your device” and follow the instruction to reset the devices or press SCENE button of HAISEN standard remote control HD05R to reset it.

Once the devices become available again, the correspondent lamps blink for 3 times and stays ON.



Choose a specific sensor on the list page, it enters to the main menu of sensor control.

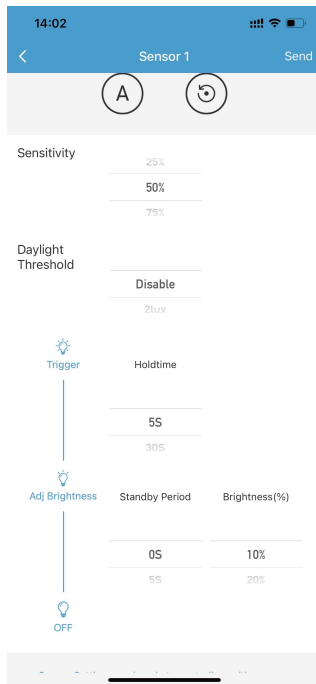
- Press the edit button on the right top corner to rename it, change its image, get device information, remove it and etc. (pic 2)
- Press the ON/OFF icon in the center to turn on or off the light, quickly locate the sensor and rename it in your own way.
- Slide the white dot in the center circle can adjust brightness output, the round window on the right gives readouts.
- Press the “DH” button to perform “daylight harvesting”function after setting up the parameters.
- Press the “sensor” button to enter into the main control menu page for programming (pic 3)
- Press the “Scene” button to build up & save a scene program or quickly adopt one from earlier pre-saved options



[Sensor]

We've adopted same sliding track design of iPhone alarm clock to arrange our parameter options of each category.

- Sensitivity
- Daylight Threshold
- Holdtime
- Standby Period
- Standby Dimming Level



Project - ADD GROUP

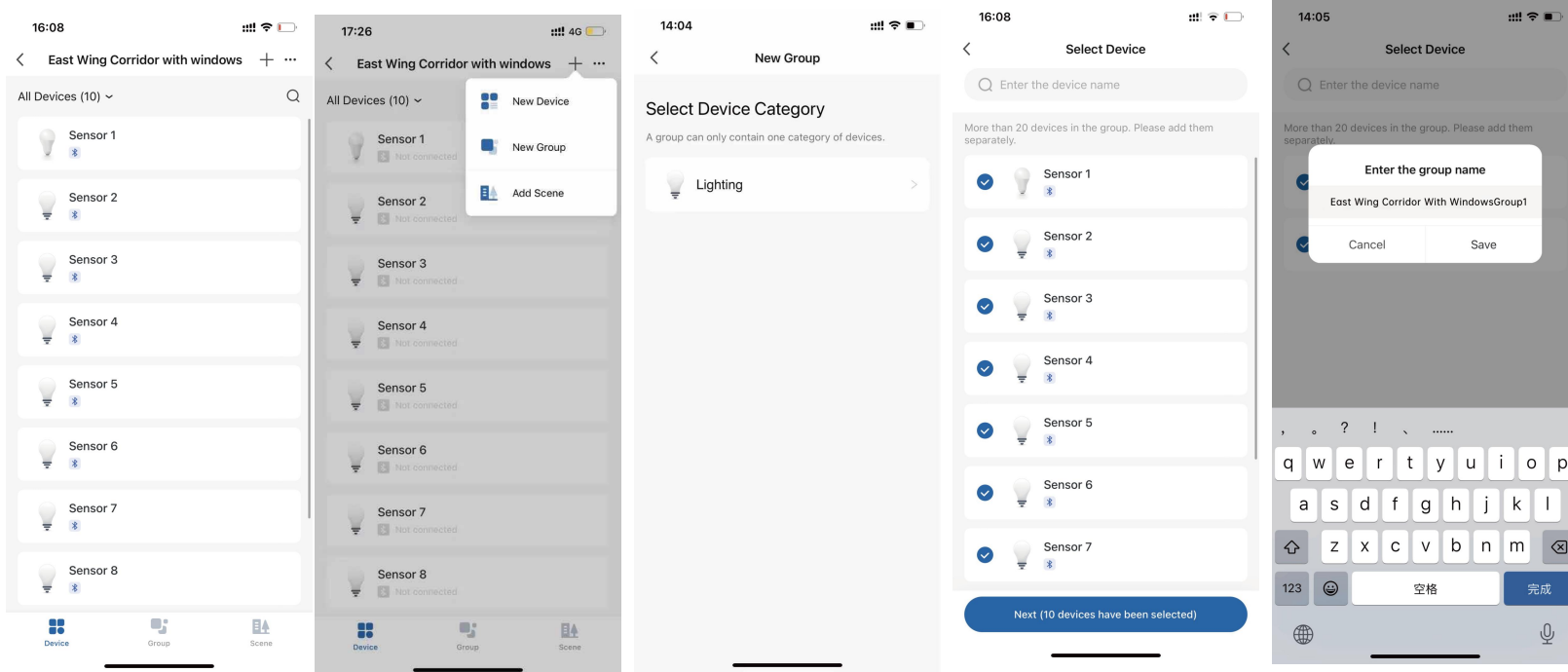
To efficiently control devices or divide the overall area into multiple controlling scopes, “Group” function is here for you.

On the main menu page of “Device”, tap “+” on the right top corner, choose “New Group” and choose correct sensors to be added into specific groups.

Note:

There’s a page of “Select Device Category”, which is specially designed for future selection when there’s more devices or categories. Sensors are being placed into “lighting” category.

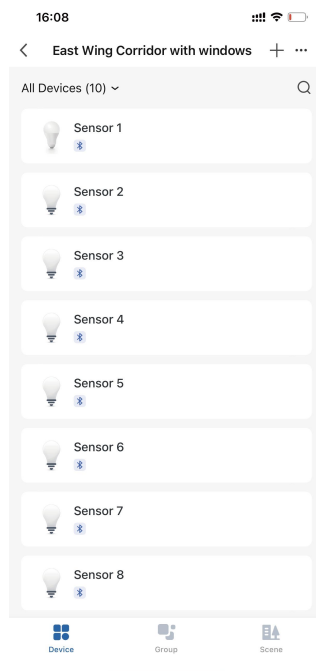
After adding the sensors into specific groups, you will be required to “enter the group name” then to save it.



To control the devices in single group, go to the “Group” selection on main menu, then choose the correct group to program it same way as control a single device.

Note:

One device can be simultaneously added to max 8 different groups, and follow each group one by one to perform functions.

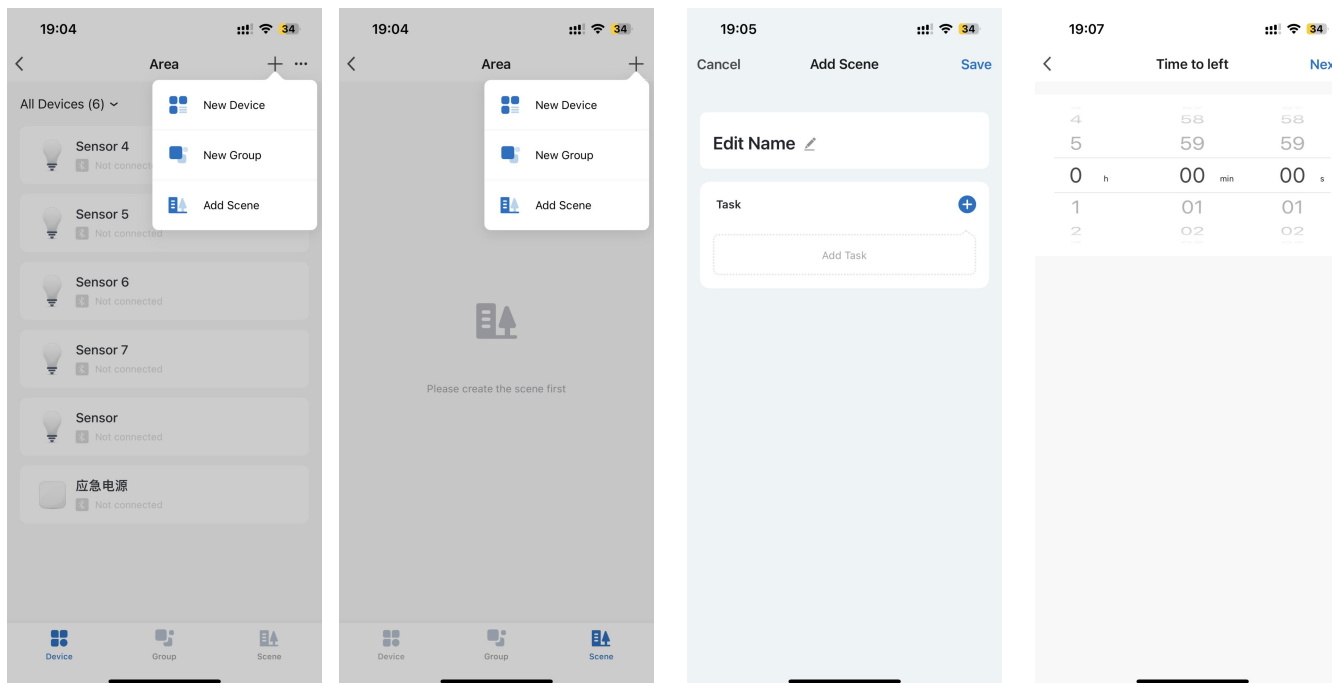


Project - ADD SCENE

To preserve some frequently applied programs or make specific devices to perform exact program, “scene” function is here for you.

On the main menu page of “Device”, tap “+” on the right top corner, choose “Add Scene”
Or, go to the “Scene” section on main menu, tap “+” on the right top corner, choose “Add Scene”

Then “Edit Name” for this scene, and start to make a task by choosing specific device or group and decide a “Time to Left”
Then you will be all set and next time, simply execute this “Scene”.



SMART

To activate this function, it's necessary to use HAISEN's gateway (Model NO. HGo2) to keep devices stay connected. There are totally 3 sections on SMART area, namely Schedule, Automation and SMB.

-Schedule

Schedule is more about repeating the exactly same program except specific days.

Tap "+" on the right top corner then choose "Add Schedule", or center button of "Add Schedule" to build up a new schedule

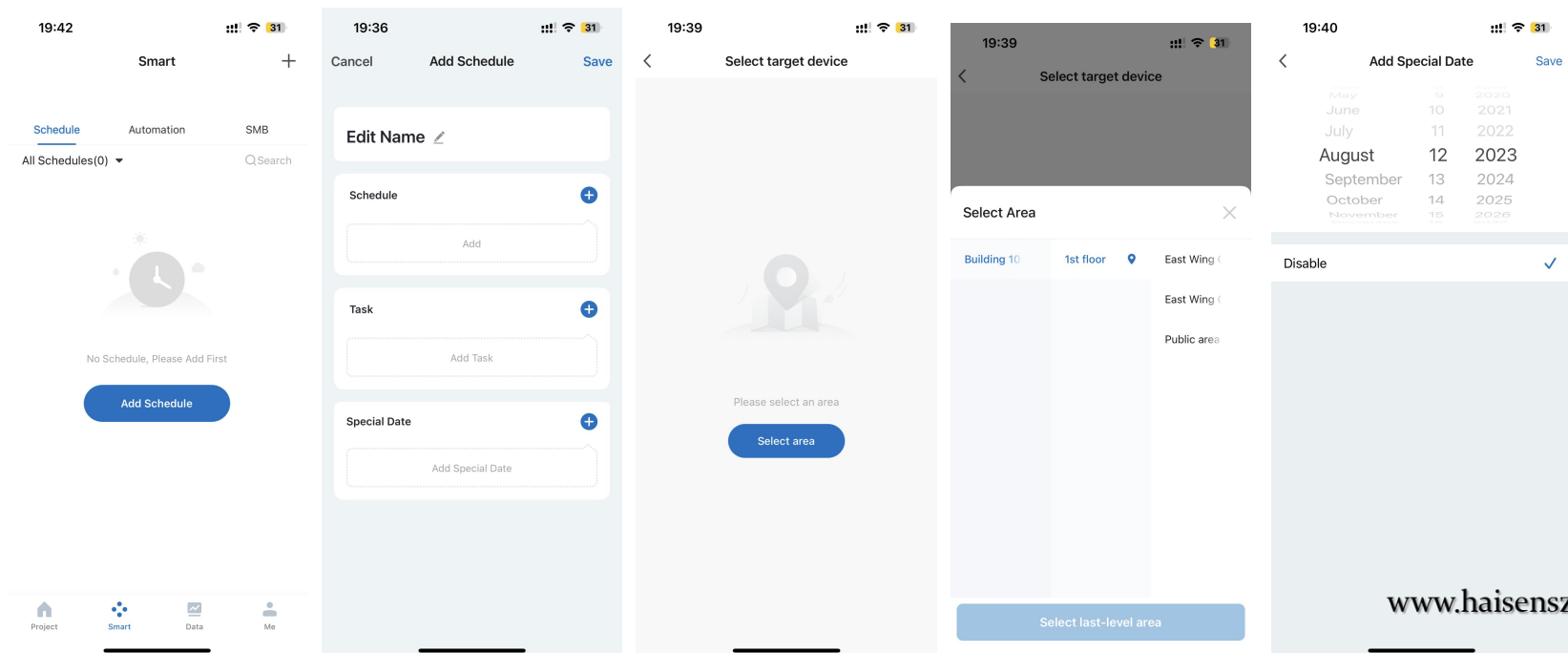
Edit Name for the schedule as the 1st step or the last step before leave this page

Tap "+" on the right of "Schedule" to firstly choose the execution time and repeat days

Tap "+" on the right of "Task" to choose device or group to execute this schedule

Tap "+" on the right of "Special Date" to add a very special date when the schedule won't be performed

Finally, press "save" on the top right corner to keep this schedule



SMART

-Automation

Different different Schedule, Automation allows to perform exactly function when specific condition or conditions have been met.

Tap “+” on the right top corner then choose “Add Automation”, or center button of “Add Automation” to build up a new automation program

Edit Name for the automation as the 1st step or the last step before leave this page

Press the left “Any condition is Met” terms to choose either to meet one condition or all the built up conditions

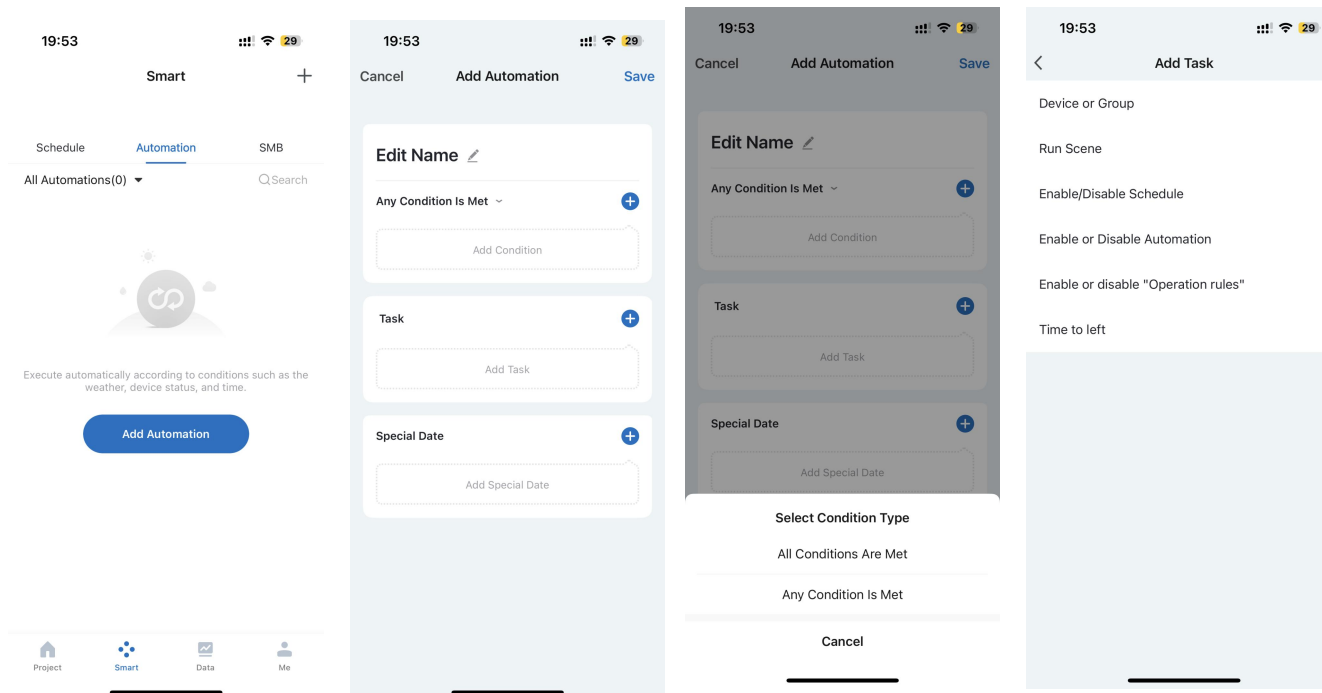
Tap “+” on the right to firstly choose the device, then choose to have sunset/sunrise as the condition

It will automatically obtain your physical location to have sunset/sunrise truth to execute.

Tap “+” on the right of “Task” to choose more

Tap “+” on the right of “Special Date” to add a very special date when the schedule won’t be performed

Finally, press “save” on the top right corner to keep this automation program

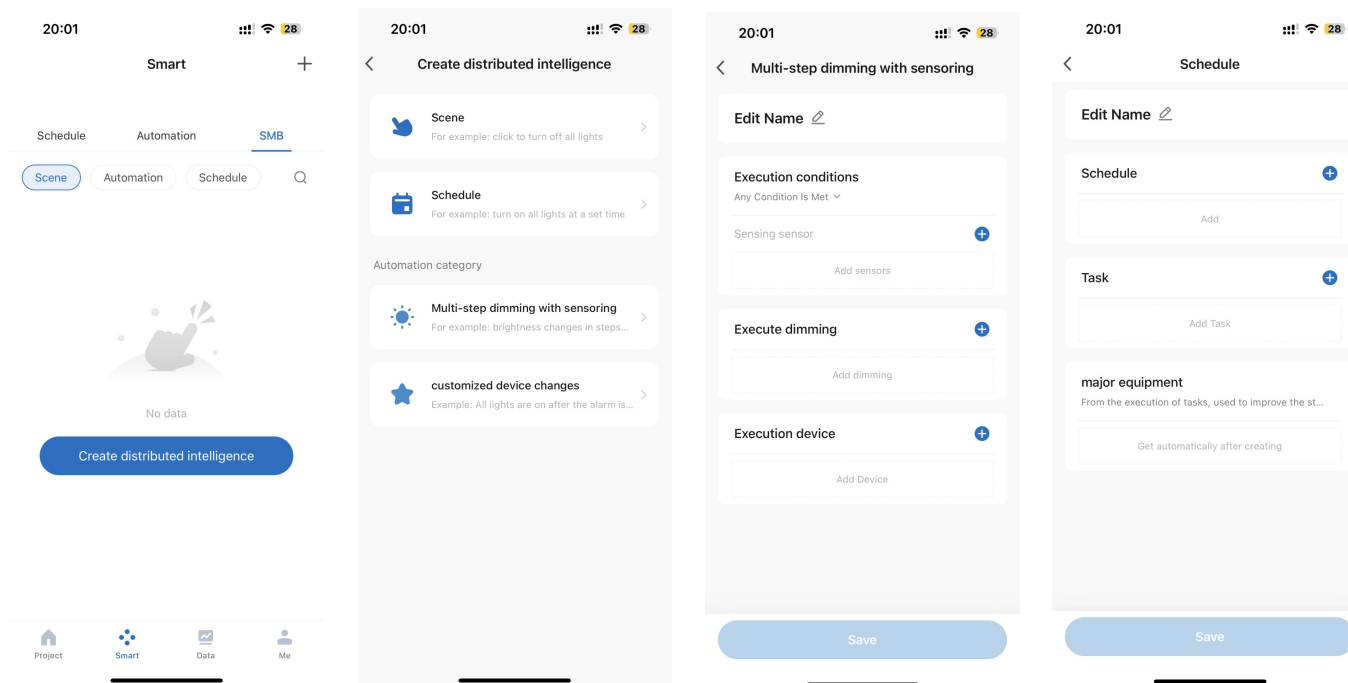


SMART

-SMB (Small or Medium Business)

This particular feature processes enhanced flexibility supporting personalized control to meet different requirements.

Tap “+” on the right top corner then choose “Create distributed intelligence”, or center button of “Create distributed intelligence”
In page of “Create distributed intelligence”, there are basically 3 categories: Scene, Schedule, Automation(divided to 2 categories)
Rest options are basically the same for each category.



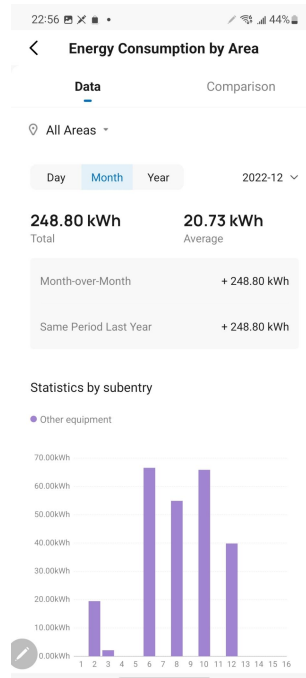
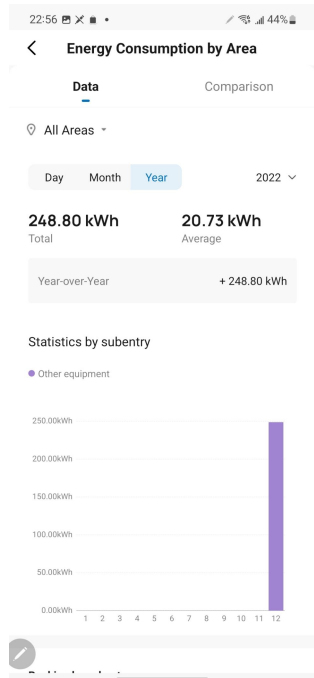
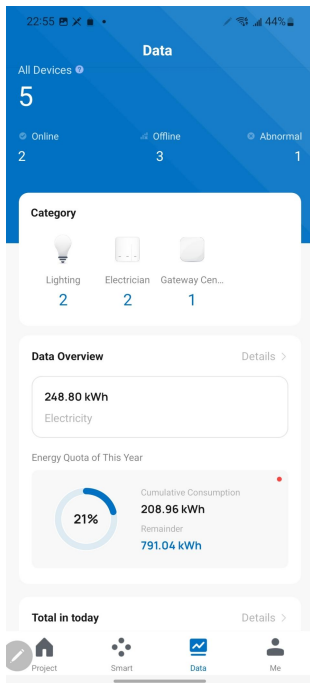
DATA

To activate this function, it's necessary to use HAISEN's gateway (Model NO. HGo2) and HAISEN's circuit Breaker (Model NO. HZE02) to keep devices connected and being read/calculated for power consumption.

This page is specially designed for energy consumption monitoring utilizing advanced wireless technologies. Integrating it with platform enables a better understanding or to generate comprehensive energy consumption reports.

The page contains a few elements:

- Category, general information of connected devices
- Data Overview, electricity consumption result and details
- Total in Today, Week or Year.
- Ranking by Subentry in bar graph
- Device Energy Consumption



LOG IN

<https://iot.haisensz.com/>

It doesn't require to change the region to the "United States of America" when using your account log into the platform. Press "forget password" if you lose your password and will have to reset it, remember this is the account to apply in APP.

Press the earth icon on the top right to change languages.

It currently supports Chinese, English, German, Japanese, French and Spanish.



欢迎进入商照管理平台

Country/Region

+86 China

Account

Please enter your phone number or email

Password

Please enter the password

Login

No account yet? [Sign Up](#)

[Forget password](#)

Main Menu

Main Menu on the left column, it includes:

- Project Management
- Member Management
- Template Library
- VAS
- System Settings

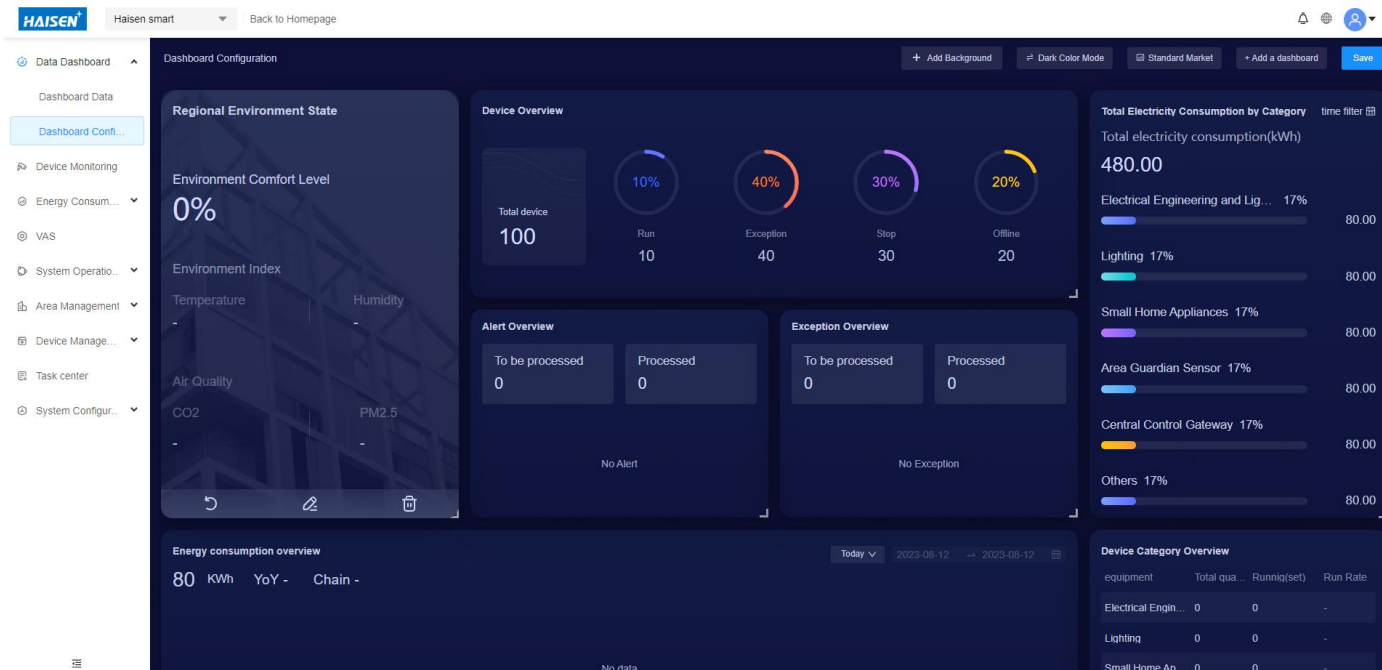
We've built up a few projects with different names, they will be listed like below.
Press any one for further details. In our example, we chose "Haisen Smart"

Project Name	Online	Offline	Total Devices	Actions
Abc University Smart Lightin...	0	12	12	[Edit] [Delete]
Haisen smart	0	4	4	[Edit] [Delete]
Haisen sensor	0	0	0	[Edit] [Delete]
Songshan	0	1	1	[Edit] [Delete]
Soghu	0	0	0	[Edit] [Delete]
户外测试	0	0	0	[Edit] [Delete]

Project Management

Right next the LOGO, it's a window showing project name; and can switch to another one from the list
And on the left column, we've got a lot options:

- Data Dashboard, including Dashboard Date & Dashboard Configuration
- Device Monitoring
- Energy Consumption, including panel, Data list, footprint tracking, system setting
- VAS(Value-added services, not available at present)
- System Operation and Maintenance
- Area Management
- Device Management
- Task Center
- System Configuration



Project Management - Dashboard Configuration

We've prepared 4 optional templates so you can start quickly, that includes all the necessary readouts information, including:

- Main picture of project
- Device Overview of working status
- Alert Overview
- Energy Consumption Overview
- Total Electricity Consumption by Category
- Device Category
- Device Category Overview

All the modules of each templates can be edited or deleted.

The screenshot shows the Haisen smart dashboard configuration interface. The top navigation bar includes the Haisen logo, 'Haisen smart', and a 'Back to Homepage' link. The left sidebar menu lists various dashboard modules: Data Dashboard, Dashboard Data, Dashboard Conf..., Device Monitoring, Energy Consum..., VAS, System Operatio..., Area Management, Device Manage..., Task center, and System Configur... The main content area displays a 'Quick start' dialog box with a message: 'You have not configured the default market. You can configure it on the Market Configuration page, or you can choose the current default market to get started quickly. After you have chosen the default market, you can change it at any time on the market page.' Below the message are four preview images of dashboard templates and two buttons: 'Go to configuration' and 'Quick start'.

Project Management - Device Monitoring

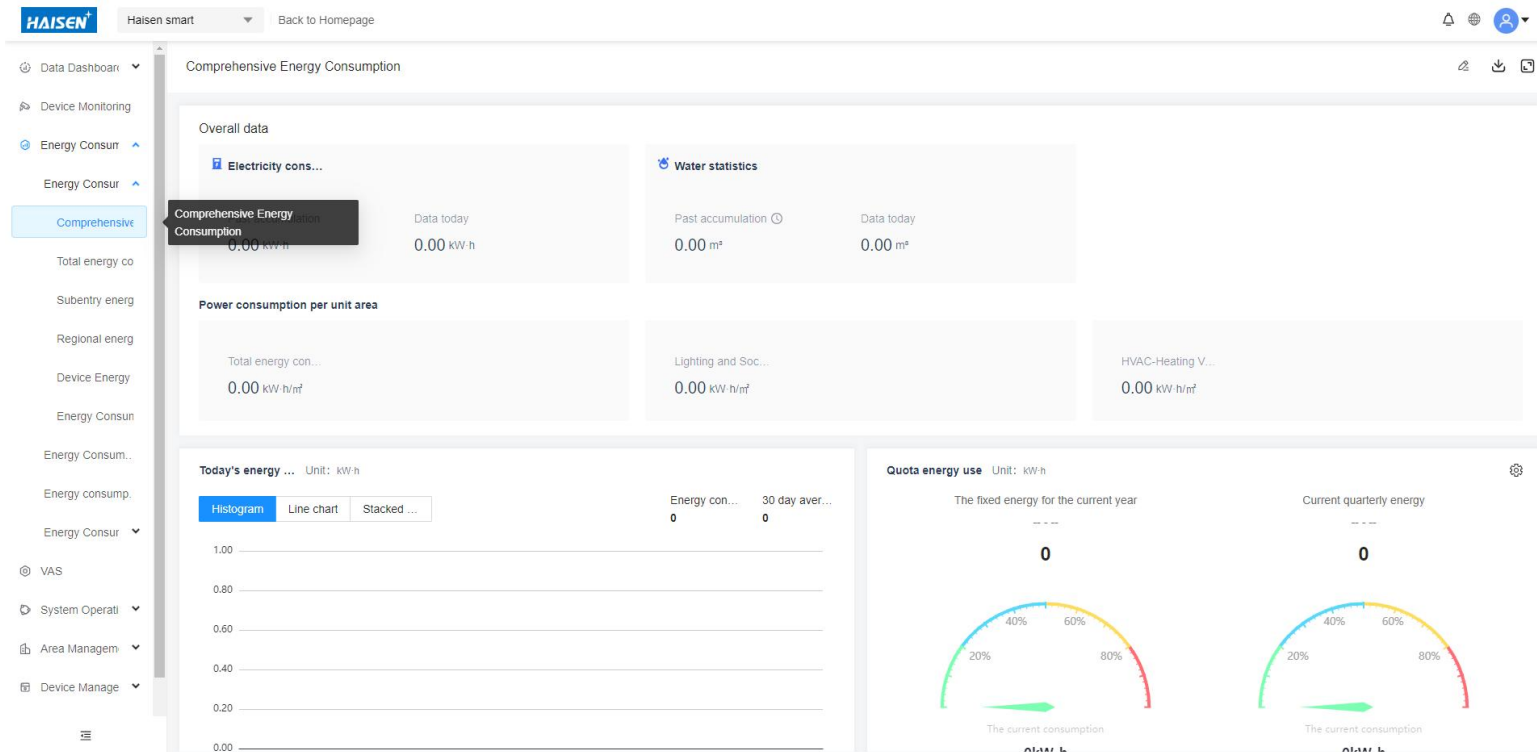
Choose correct Area and Types(of devices) to see all the status, simply moving and pressing the mouse to control all the devices

- Group Control
- Scene Control
- Device Control

The screenshot displays the Haisen smart Device Monitoring interface. At the top left, the Haisen logo is visible, followed by a dropdown menu set to 'Haisen smart' and a 'Back to Homepage' link. The main content area is titled 'Device Monitoring' and features two dropdown menus: 'area:' set to 'Haisen smart' and 'Type:' set to 'All device'. To the right of these menus are links for 'Group Control', 'Scene', and 'Device'. A search box labeled 'Quick Search' is positioned above a search results dropdown menu that lists 'Area' and 'Haisen smart'. The main content area contains a large icon of a document with a checkmark and the text: 'There are no floor plans uploaded for the current area [Go to add](#)'. The left sidebar contains a navigation menu with items: 'Data Dashboard', 'Dashboard Data', 'Dashboard Conf...', 'Device Monitoring' (highlighted), 'Energy Consum...', 'VAS', 'System Operatio...', 'Area Management', 'Device Manage...', 'Task center', and 'System Configur...'. The bottom left corner has a hamburger menu icon.

Project Management - Energy Consumption

- Energy Consumption, it's designed to get comprehensive energy consumption overall data and more detailed information.
- Energy Consumption Report, to generate it in standard Periodic Report or Custom reports in Excel or CSV format
- Energy Consumption Footprint tracking, to track energy consumption in more detailed parts of lighting & sensor, HAVC...
- Energy Consumption Statistical Parameter after inserting necessary information to analyze



Project Management - System Operation

- Operation log, all the operation steps and specific time memorized, like start a new group
- Device Control Log, all the control steps on devices
- Alert History
- Equipment Abnormality
- Notification Settings

The screenshot displays the 'Operation Log' page in the Haisen smart web interface. The top navigation bar includes the Haisen logo, a dropdown menu for 'Haisen smart', and a 'Back to Homepage' link. The sidebar on the left lists various system management functions, with 'Operation Log' currently selected. The main content area features search filters for 'Operation type', 'Operation Record', and 'Operation Time', along with 'Search' and 'Reset' buttons. Below the filters is an 'Export' button and a table of operation records. The table has four columns: 'Account', 'Operation type', 'Operation Record', and 'Operation Time'. The records show various actions such as 'Create new group', 'Edit Spaces', and 'Create Space' performed by the user '1948720828@qq.com' on 2023-06-28. At the bottom, a pagination bar indicates '11 piece(s) of data in total.' and shows the current page is 1 of 2, with 10 items per page.

Account	Operation type	Operation Record	Operation Time
1948720828@qq.com	New	Create new group:1301G1	2023-06-28 17:02:52
1948720828@qq.com	Update	Edit Spaces:1301	2023-06-28 16:58:18
1948720828@qq.com	New	Create Space:1301	2023-06-28 16:58:18
1948720828@qq.com	Update	Edit Spaces:13	2023-06-28 16:58:09
1948720828@qq.com	New	Create Space:13	2023-06-28 16:58:09
1948720828@qq.com	Update	Edit Spaces:B1	2023-06-28 16:57:59
1948720828@qq.com	New	Create Space:B1	2023-06-28 16:57:59
1948720828@qq.com	Update	Edit Spaces:Haisen smart	2023-06-28 16:57:49
1948720828@qq.com	Update	Edit Spaces:Area	2023-06-28 16:57:49
1948720828@qq.com	New	Create Space:Haisen smart	2023-06-28 16:57:49

Project Management - Area Management

- Area Adding, create another area or to manage the created areas, edit its name or delete it.
- Area Usage, upload floor plan to define a specific area
- Area Configuration,

The screenshot displays the 'Area Usage' section of the Haisen management platform. On the left, a sidebar menu includes 'Area Management...', 'Area Configuration', 'Area Usage' (highlighted), 'Device Management...', 'System Configuration...', 'Advanced System...', 'System Operation...', 'Device Monitoring', and 'Data Dashboard'. The main content area is titled 'Area Usage' and features a 'Quick Search' bar, a tree view showing 'B1.VIP' with sub-items '车道' (Lane) and '车位' (Parking Space), and 'Area Drawing Tools' with 'Line Drawing' and 'Rectangle Drawing' options. A 3D perspective view of a parking garage shows a blue rectangular selection box around a section of the floor plan, with blue circular icons and red 'X' marks indicating specific area markers. On the right, the 'Area Usage Configuration' panel includes dropdown menus for 'Associate Sub-areas:', '* Industry Usage Alloc...', and '* Area Usage Allocatio...', along with a 'Save' button.

Project Management - Device Management

- Installation Management
- Installation Records
- Equipment Layout
- Device Usage
- Device OTA

The screenshot displays the 'Construction management' interface. On the left is a sidebar with navigation items: Area Management, Device Management (expanded), Installation Management (selected), Installation Records, Device Allocation, Device Usage, Device OTA, System Configuration, Advanced System, System Operation, Device Monitoring, and Data Dashboard.

The main content area is titled 'Construction management' and features search filters for 'Construction room' (with a 'Fuzzy search by room' input) and 'Authorization Status' (set to 'All'). A 'Search' button and a 'Reset' button are present. Below the filters is a table with the following data:

<input type="checkbox"/>	Construction room	Authorization Status	Online device
<input type="checkbox"/>	B1.VIP 车位	* Unauthorized	8
<input type="checkbox"/>	B1.VIP 车道	* Unauthorized	45
<input type="checkbox"/>	B1.VIP	* Unauthorized	4

At the bottom of the table, it indicates '3 piece(s) of data in total.' and includes pagination controls for page 1 of 10.

The right-hand panel is titled 'Construction authorization management' and contains a form for 'Construction personnel information' with fields for '+86 China' (country code), 'Mobile number', and 'Name'. It also includes a 'Construction time' section with an 'End time' field and a 'Comment' section with a text area. At the bottom, there is a 'Publish task' button and a status indicator for 'Authorized room (0 ro...)' with a 'Clear' link.

Member Management

- Quickly locate, by searching a role(role options are namely Project Manager, repairer, user) or account of phone number or mail address
 - Add a new member and insert it's country code, account, name, role, password, password confirmation
- It will be synchhronized to the APP as long as stay in the same account.

The screenshot displays the 'Member management' interface. On the left, there is a sidebar with 'Project Management' and 'Member mng' (selected). The main area features a search bar with 'Role' and 'Account' filters, a '+ Add' button, and a table of members.

Name	Account	Created	Role	Operation
	86-18578314550	2021.01.28	Project Manager	Set Delete
	86-17749716995	2021.01.18	user	Set Delete
	86-18758232423	2020.12.23	user	Set Delete
	86-18767165522	2020.12.16	user	Set Delete
	56-993497073	2020.12.03	Project Manager	Set Delete
	86-18938719089	2020.12.01	Project Manager	Set Delete
	hui.sima@163.com	2020.11.11	Project Manager	Set Delete
	testlighting@9em.org	2020.11.04	Project Manager	Set Delete