

3. After logging in, switch to the "Device Tracking" interface. Tap "Topology Download" in the upper right upper right corner to download the device topology template in CSV format.

NetworkDevice-TrackingCloud ConnectionInstallation Report2D SettingsAdvanced Settings

Total Devices: 15Total Outdoor: 3Total Indoor: 12

ALLCOM 1COM 2COM 3COM 4

TrackingTopology DownloadTopology Upload

☐ Manual Topology

All PortALL TypeAll RefrigerantAll Device

Device AddressDevice_NameAction

COM2	IDU	0	1	COM2-0-1-2-E	1:COM2-0-1-2-E	Edit
COM2	IDU	0	9	COM2-0-9-21-E	Error test	Edit
COM2	IDU	0	8	COM2-0-8-13-E	1:COM2-0-8-13-E	Edit
COM2	IDU	0	0	COM2-0-0-1-E	1:COM2-0-0-1-E	Edit
COM2	IDU	0	6	COM2-0-6-11-E	room1	Edit
COM2	ODU	0	131	COM2-0-131-0-E		Edit
COM2	IDU	0	22	COM2-0-22-10-E		Edit

4. Open the downloaded device topology template using Office or similar software. Fill in the device name and device group according to the template requirements, and then save the information. (Tables can be exported independently or obtained with technical support.)

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
SN of outdoor unit	SN of indoor unit	Indoor unit number	Network address	Indoor unit address	Equipment name (room name)	Room area	Level 1	Level 2	Level 3	Level 4	Level 5	Fan power	Heat power	Tenant group
		1:COM2-0-0-1-E	0#		0 1:COM2-0-0-1-E							0	0	
		1:COM2-0-1-2-E	0#		1 1:COM2-0-1-2-E							0	0	
		1:COM2-0-2-3-E	0#		2 1:COM2-0-2-3-E							0	0	
		1:COM2-0-3-4-E	0#		3 1:COM2-0-3-4-E							0	0	
		1:COM2-0-4-6-E	0#		4 1:COM2-0-4-6-E							0	0	
		1:COM2-0-5-7-E	0#		5 1:COM2-0-5-7-E							0	0	
		1:COM2-0-6-11-E	0#		6 room1		Gg					0	0	
		1:COM2-0-8-13-E	0#		8 1:COM2-0-8-13-E		Gg					0	0	
		1:COM2-0-9-21-E	0#		9 Error test		Gg					0	0	
		1:COM2-0-21-8-E	0#		21 1:COM2-0-21-8-E							0	0	
		1:COM2-0-22-10-E	0#		22 1:COM2-0-22-10-E							0	0	
		1:COM2-0-23-9-E	0#		23 1:COM2-0-23-9-E							0	0	

Return to the webpage and tap "Topology Upload" to upload the edited topology file to complete the modification of device information. A prompt box will appear on the webpage, displaying the upload results, including the number of successful device, the number of failed devices, along with the failed devices' numbers.

✓

Success: 12, fail: 0, fail devices: null

If there are any failed devices, check the following:

1. Ensure that there are no duplicate device names.
2. Verify that there are no device names that exceed the length limit.
3. Confirm that the group name does not exceed the length limit.

After completing the above checks, try uploading the devices again.

11. Group Setting

The "Group Setting" feature allows you to create, edit, and delete IDU groups, facilitating group control after device grouping. You can group devices based on their spatial distribution or floor layout, allowing for efficient management and control of IDUs in groups.

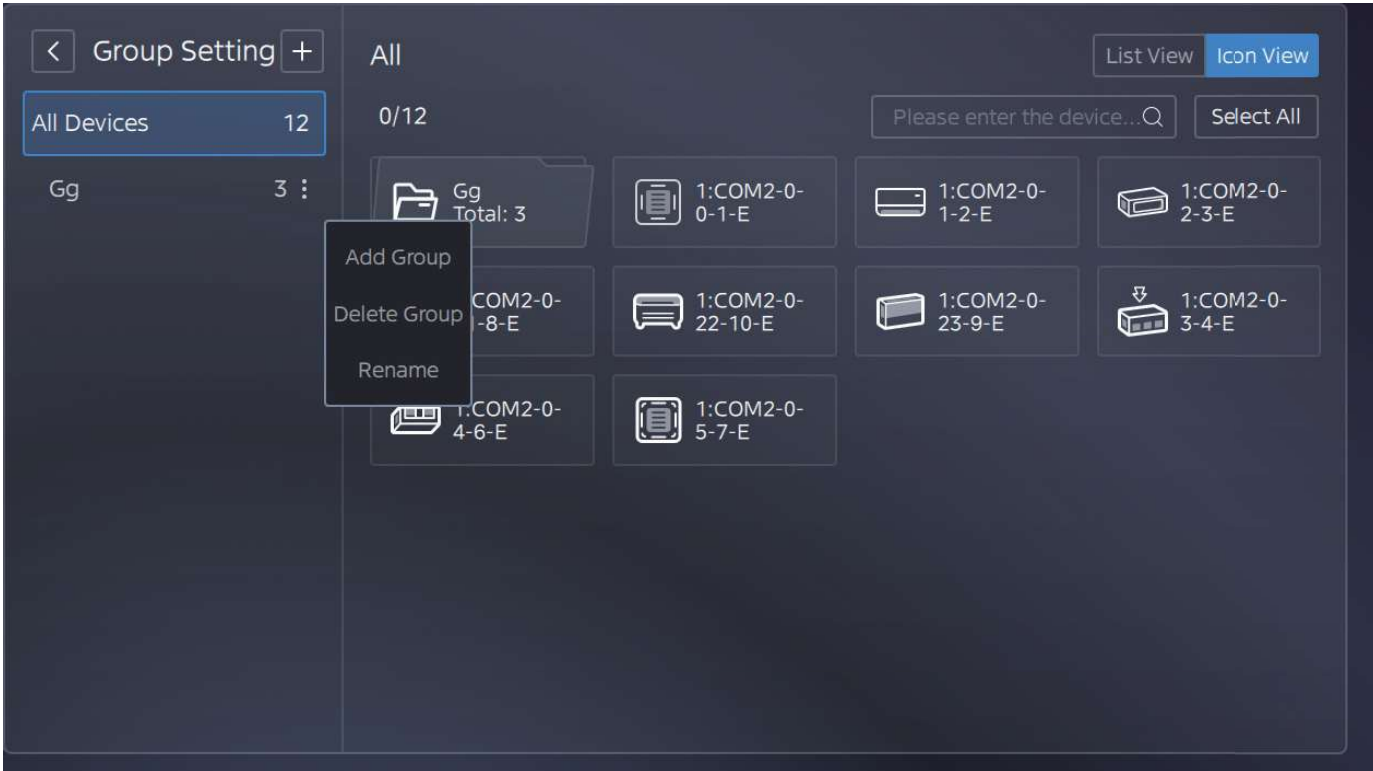
The rules for creating a group are shown below:

1. Each group supports up to 5 levels (e.g., All - Level 1 - Level 2 - Level 3 - Level 4 - Level 5 - Devices).
2. The same IDU cannot be included in two groups or levels at the same time.
3. Group names at the same level cannot be duplicated.

Tap  in the upper right corner to open the settings panel, and then tap "Group Setting" to access the Group Setting screen.



The Group Setting screen offers two view options: List View and Icon View, as shown below. The operations are identical in both views; Icon View will be used here for illustration.



The procedure for creating an IDU group is as follows:



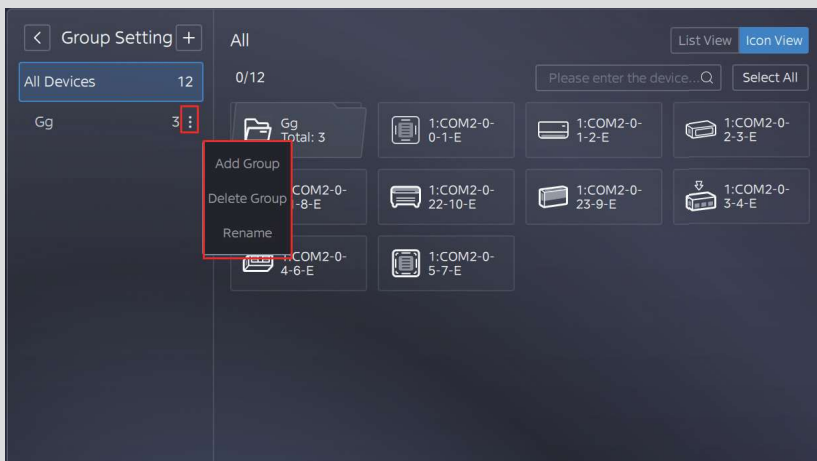
Starting group creation

Tap "+" following "Group Setting" to open the "Add Group" dialog box, and enter the group name.



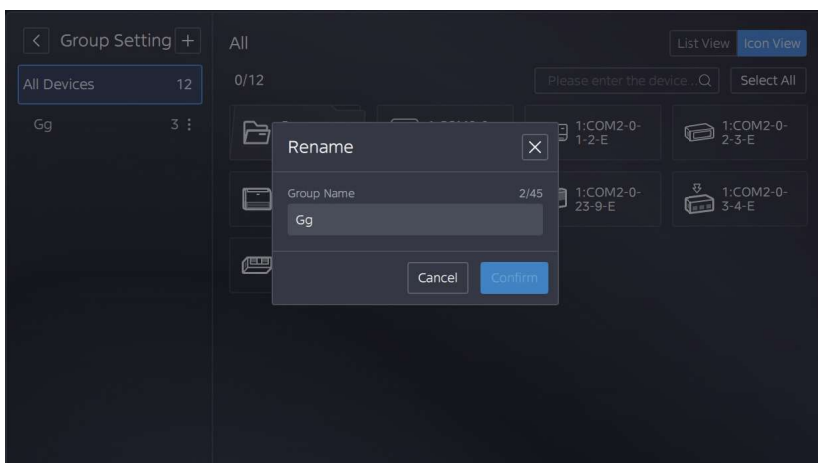
Adding a device

Select the device, press and hold it, and then drag it to the designated group on the side to add the device to the group.



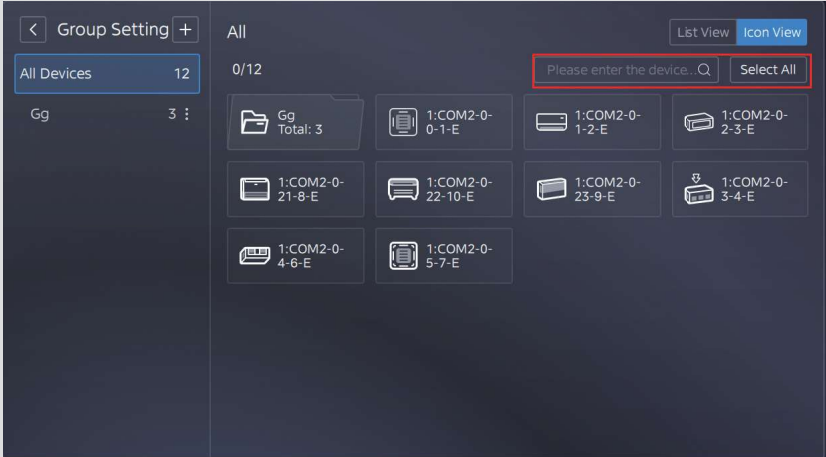
Editing a group

Tap the vertical three dots next to the group name to open a pop-up menu with the options: "Add Group", "Delete Group", and "Rename". From here, you can create a subgroup, delete the group, or rename it.



Rename

After selecting the "Rename" option from the group edition menu, a dialog box will appear prompting you to enter a new name.



Selecting all and searching for a device

1. Select All: Choose all devices.
2. You can search for a device using the search box.

12. 2D Setting

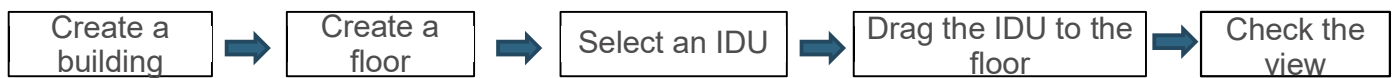
Tap  in the upper right corner to open the settings panel. Then, tap "2D Setting" in the panel to access the 2D Setting screen.



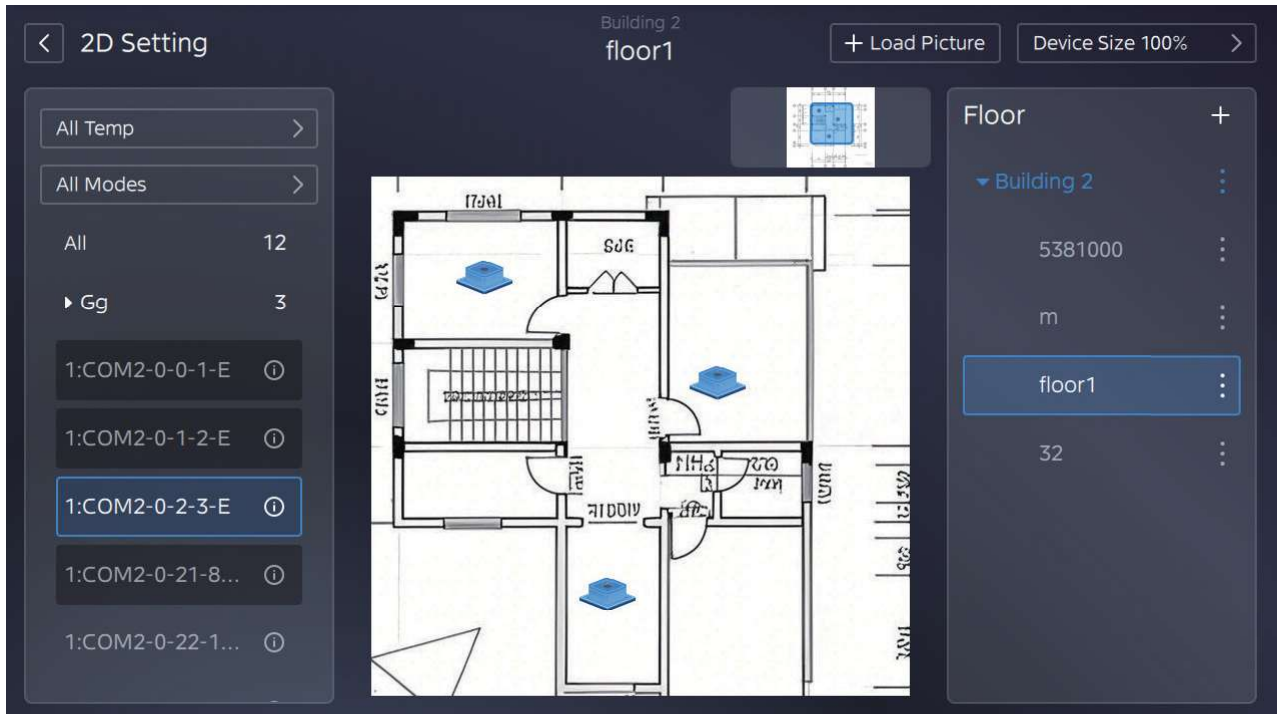
The 2D Setting module displays devices in a 2D floor plan layout view. After uploading the floor plan and configuring the view IDU positions in the 2D Setting module, you can intuitively check the relative locations of the IDUs in the 2D view.

Note: The image can be moved vertically and horizontally, but zooming in or out is not supported. Please refer to the thumbnail above for guidance on movement.

The procedure for creating a 2D floor and distributing IDUs is as follows:

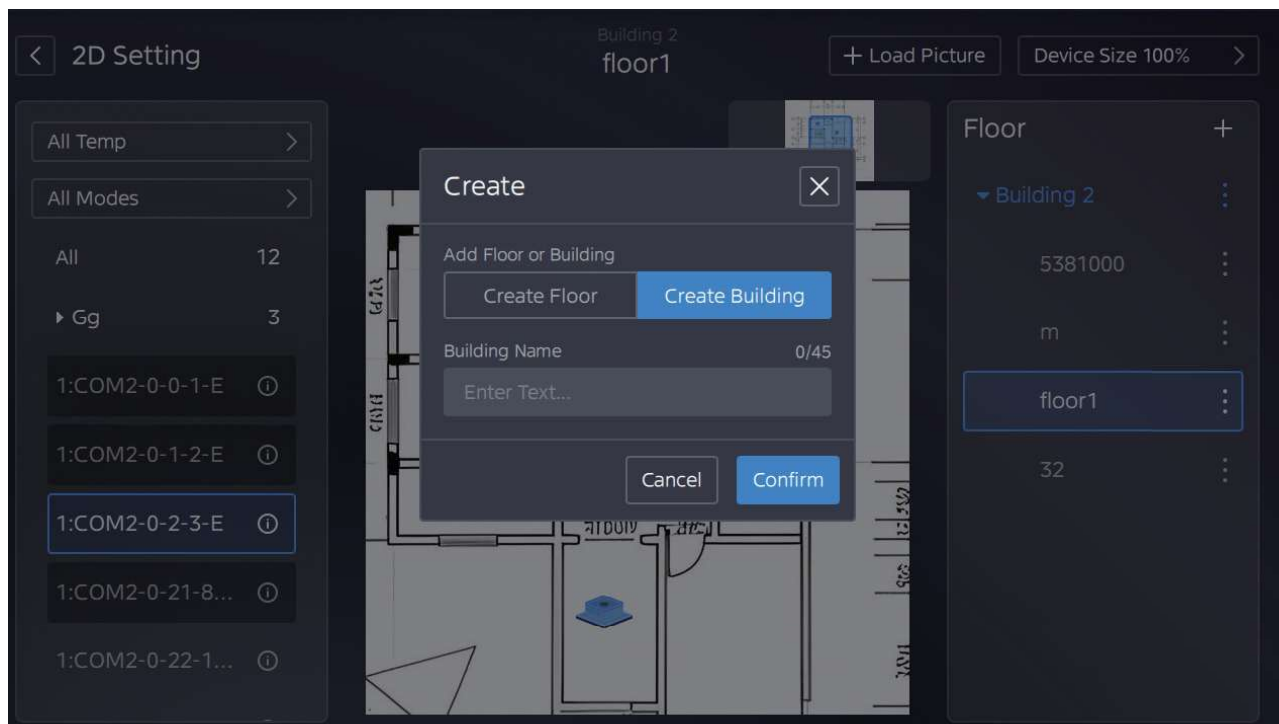


Note: If IDUs are not configured in the 2D view, there will be no IDUs displayed in the 2D view.



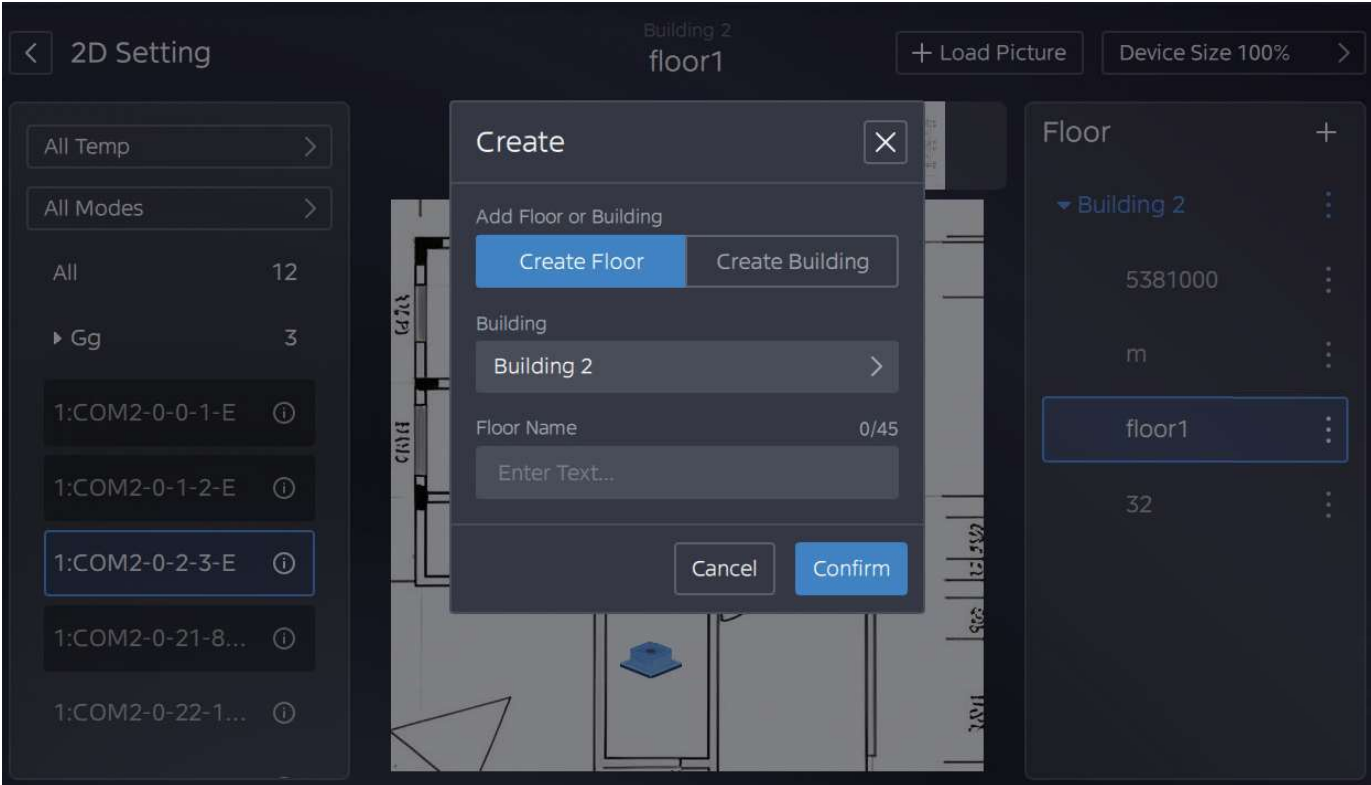
12.1 Creating a Building or Floor

Tap "+" in the building menu on the right to open the "Add Floor or Building" dialog box. Switch to "Create Building" by tapping the icon in the upper part of the dialog box.

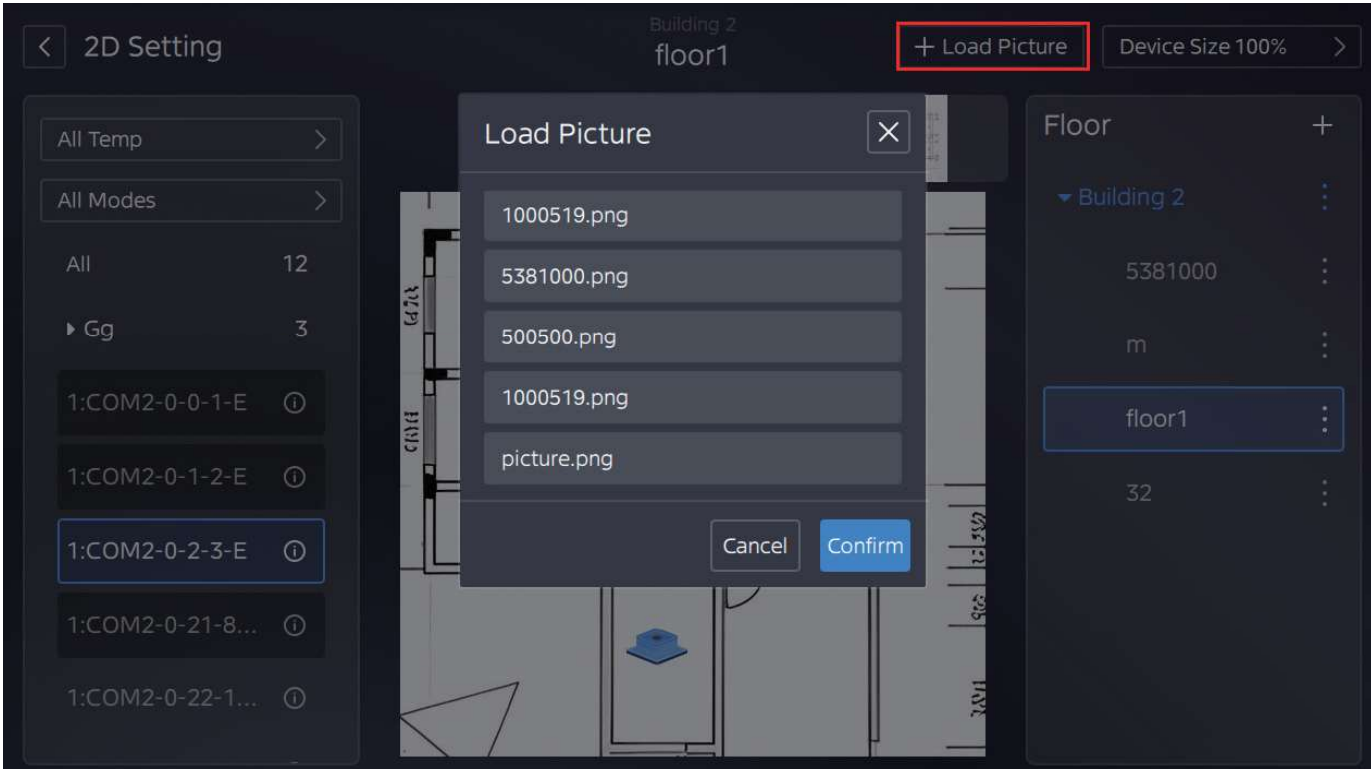


Enter a building name (up to 45 bytes) and tap "Confirm" to complete the building creation process.

After selecting a building, tap "+" to open the "Create Floor" dialog box. Select the building to which the floor belongs, and enter a floor name (up to 45 bytes) in the Floor Name box. Tap "Confirm" to complete the floor creation process, as shown in the figure below.

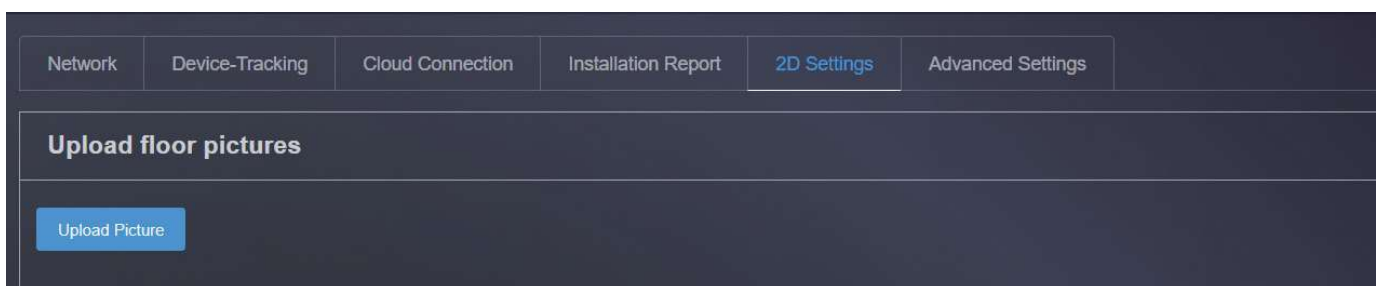


Load Picture: After selecting the floor, tap "+Load Picture" to open the Load Picture menu. Select the desired picture and tap "Confirm".



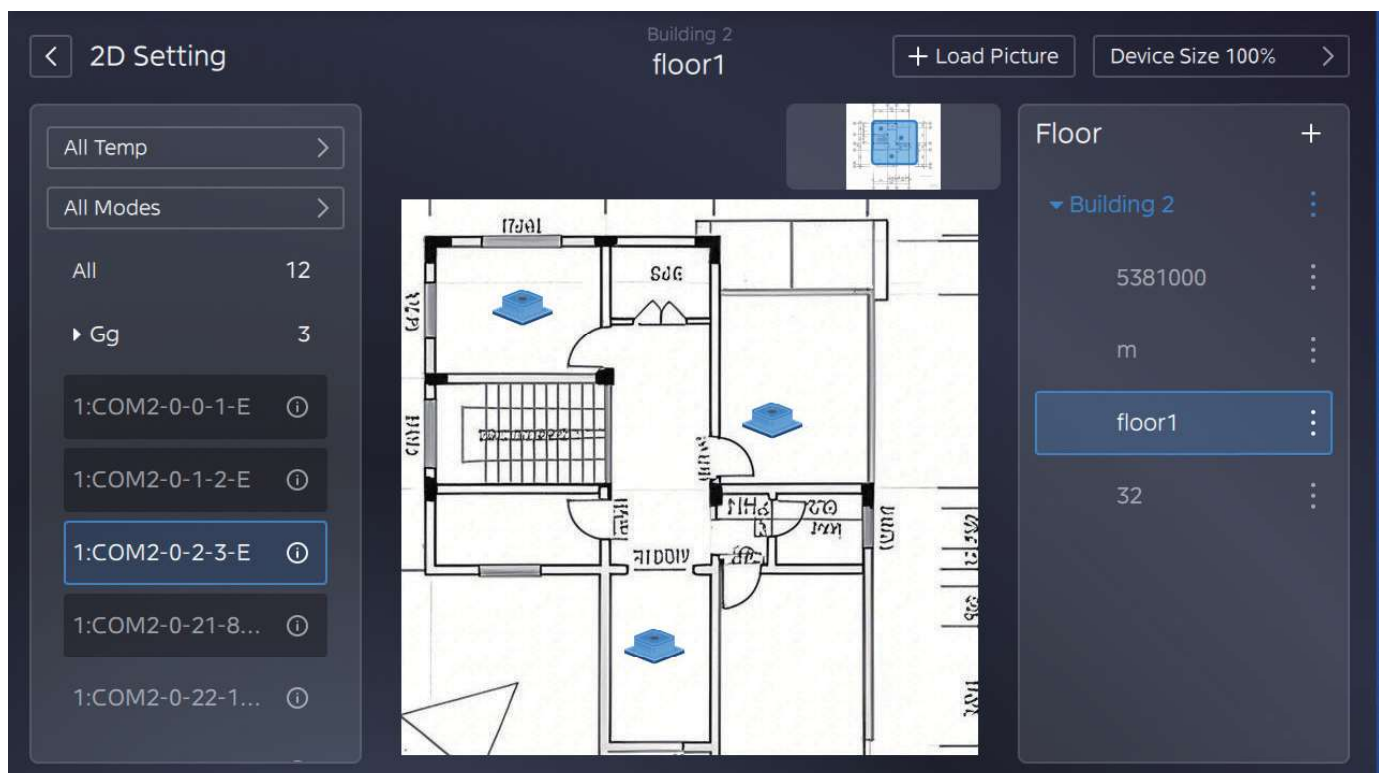
Upload Picture

1. Pictures must be uploaded to the centralized controller via the local web in advance and properly named. The screen terminal can display the file name of the uploaded picture.
2. The recommended picture size is 1024*1024 pixels in PNG format.
3. Ensure that your computer is connected to the same network as the centralized controller. Open a browser and enter the IP address assigned by the centralized controller (which is available on the Network Setting screen) (e.g., 192.168.100.185) to open the website.
4. On the website login screen, enter the username (admin) and password (123AB@ab) to log in to the centralized controller.
5. After selecting "2D Setting", tap "Upload Picture" to upload the desired picture.



12.2 Configuring IDUs

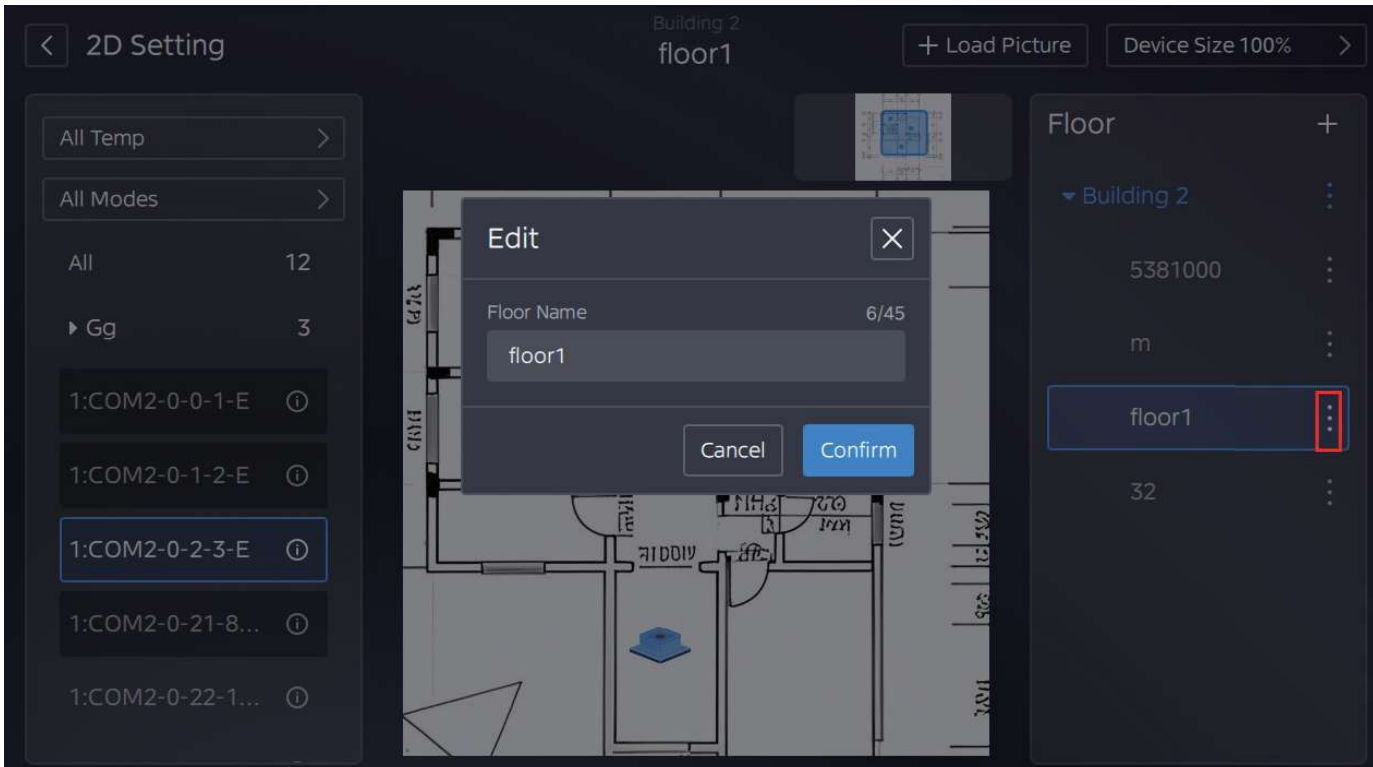
On the 2D Setting screen, select the floor in the floor section on the right, select a device in the IDU selection section on the left, and then drag the IDU to the floor plan to complete the floor plan configuration of the IDU.



In the filter box of the left panel, you can set the temperature and running mode to filter IDUs. In the drop-down list box Device Size 100% in the upper right corner of the settings page, you can adjust the size of device icons.

By tapping floor names in the building section on the right, you can switch floors to configure the floor plans of IDU distribution on each floor. The current status of the air conditioning device is indicated by its color.

12.3 Renaming and Deleting a Floor

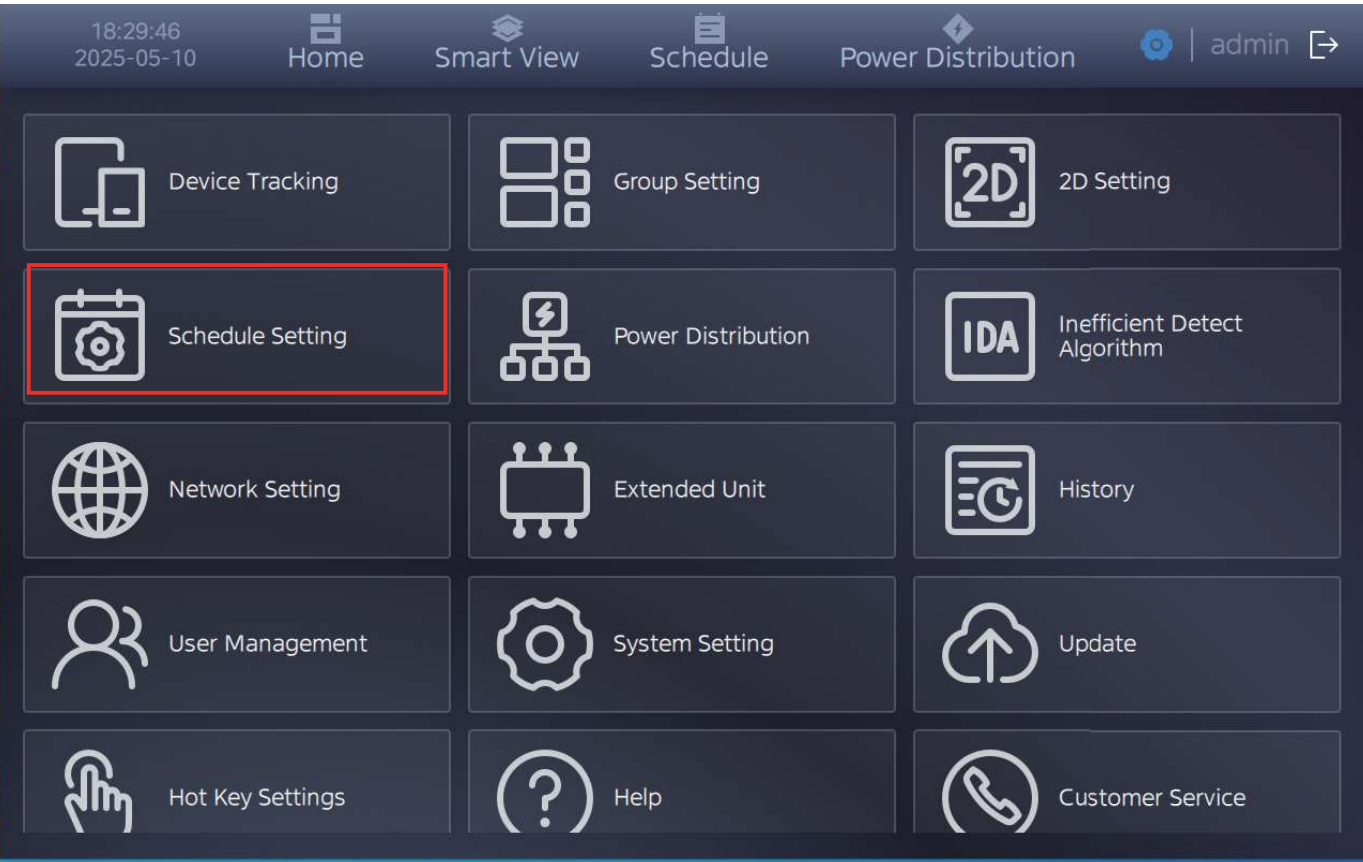


Tap ⋮ next to a floor/building name to open a pop-up window. Select "Rename" in the window to modify the floor/building information (up to 45 bytes).

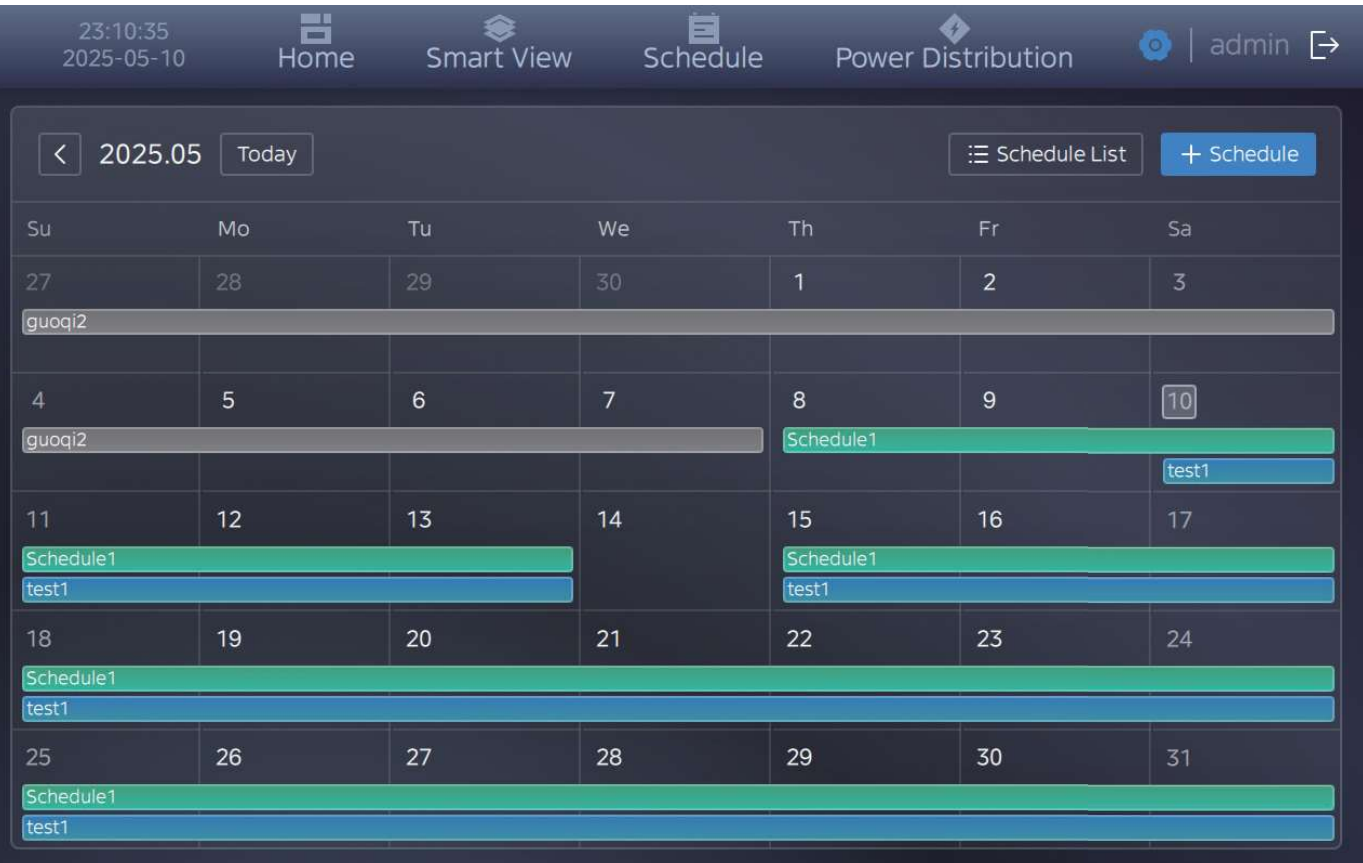
If you choose to delete a building, all floor information below the building will be deleted. Please use this feature with caution.

13. Schedule Setting

Tap "Schedule Setting" in the settings list or navigate to the schedule screen via the navigation bar.



For schedule-related settings, please refer to "8. Schedule".



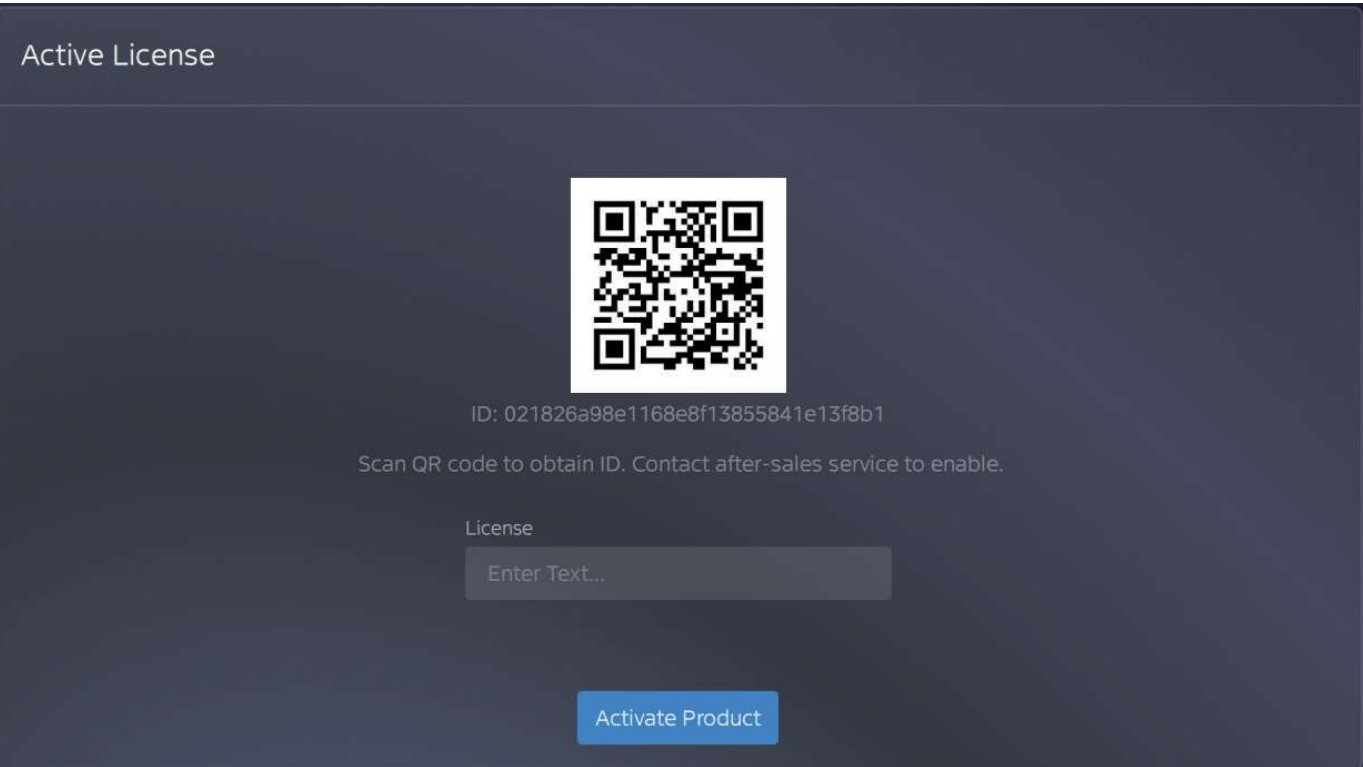
14. Power Distribution

The power distribution function involves collecting energy consumption statistics and electricity usage data, and calculating electricity costs based on predefined charging rules.

Tap  in the upper right corner to open the settings panel, and then tap "Power Distribution" to access the Power Distribution screen. Alternatively, tap "Power Distribution" in the navigation bar.



Note: This function is only available after being activated by the user.

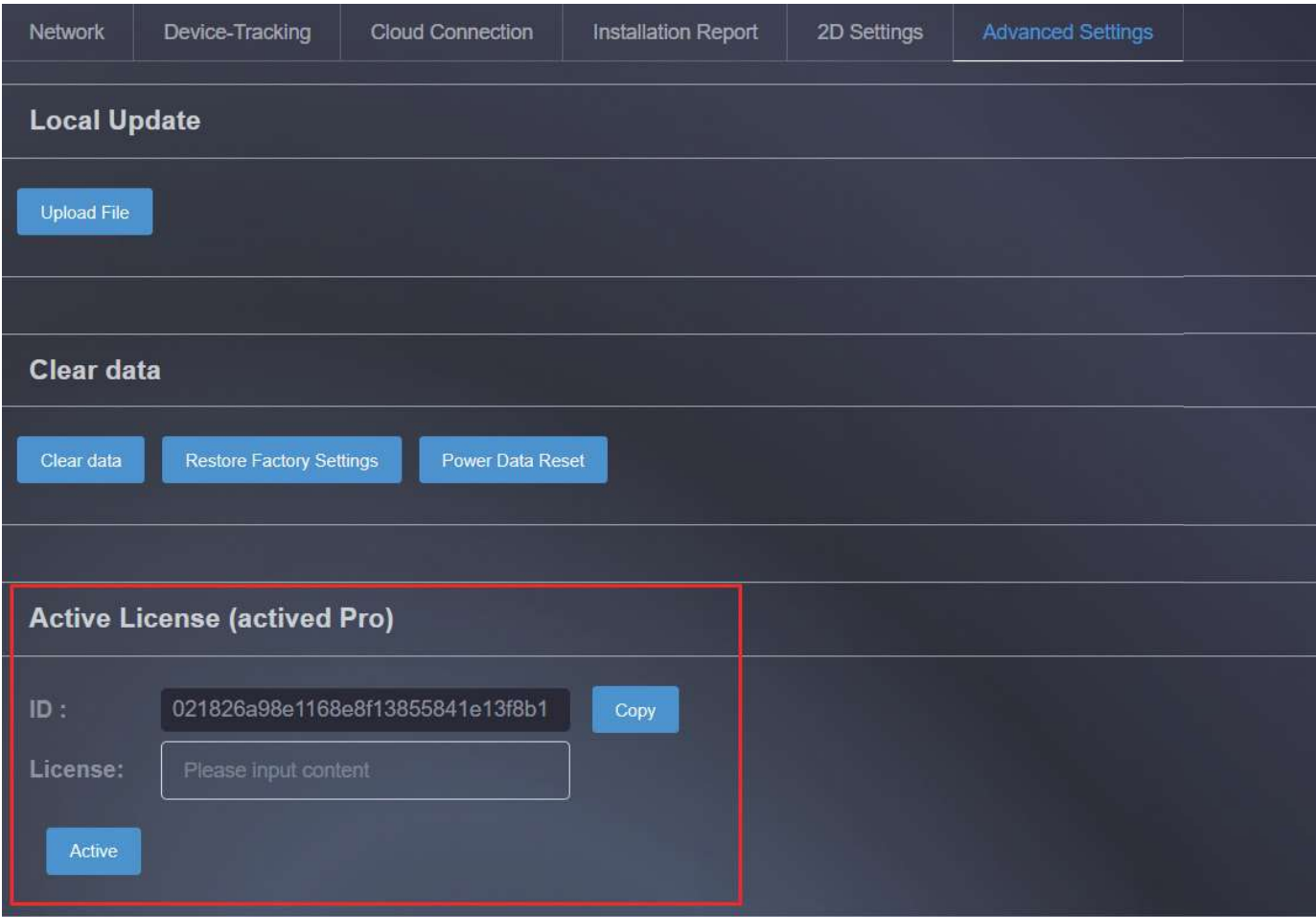


The power distribution function is not activated, as shown in the figure above. After you purchase an activation code, the power distribution function can be enabled.

Activation method: Provide your ID to the after-sales service, enter the activation code provided by them, and tap "Activate Product" to enable the power distribution function.

You can also activate it through the web version. The web-based activation procedure is as follows:

1. Ensure that your computer is connected to the same network as the centralized controller. Open a browser and enter the IP address assigned by the centralized controller (which is available on the Network Setting screen) (e.g., 192.168.100.185) to open the website.
2. On the website login screen, enter the username (admin) and password (123AB@ab) to log in to the centralized controller.
3. Tap "Advanced Settings" > "Active License", copy the ID and provide it to the after-sales service. Enter the activation code provided by the after-sales service and tap "Active" to enable the power distribution function.



After activation, the power distribution screen is as follows: (Database information synchronization may take one to two minutes.)

Power Distribution

Common Settings

Charging Rule

2025.04-2025.05 | Query by Device | Monthly Elec...

Q Query

Advanced search

Export

< 1/3 >

Date	Device Name	Group	Electricity consumption (kWh)	Cost Billing	Operation
2025-05	1:COM2-0-0-1-E		0	0	Details
2025-05	1:COM2-0-1-2-E		0	0	Details
2025-05	1:COM2-0-2-3-E		0	0	Details
2025-05	1:COM2-0-3-4-E		0	0	Details
2025-05	1:COM2-0-4-6-E		0	0	Details
2025-05	1:COM2-0-5-7-E		0	0	Details
2025-05	room1	Gg	0	0	Details
2025-05	1:COM2-0-8-13-E	Gg	0	0	Details

Energy Consumption(kWh) 0

Cost Billing 0

Advanced search

Tap "Advanced search" to filter power consumption data by time, monthly/daily power consumption, or device.

Power Distribution

Common Settings

Charging Rule

2025.04-2025.05 | Query by Device | Monthly Elec...

Q Query

Advanced search

Export

< 1/3 >

Date	Device Name	Group	Electricity consumption (kWh)	Cost Billing	Operation
2025-05	1:COM2-0-0-1-E		0	0	Details
2025-05	1:COM2-0-1-2-E		0	0	Details
2025-05	1:COM2-0-2-3-E		0	0	Details
2025-05	1:COM2-0-3-4-E		0	0	Details
2025-05	1:COM2-0-4-6-E		0	0	Details
2025-05	1:COM2-0-5-7-E		0	0	Details
2025-05	room1	Gg	0	0	Details
2025-05	1:COM2-0-8-13-E	Gg	0	0	Details

Energy Consumption(kWh) 0

Cost Billing 0

Filter

Time

2025.04.11-2025.05.12

Statistical Dimension

Monthly Electricity Consumption

View Method

Query by Device

All

Cancel

Confirm

Monthly Electricity Consumption

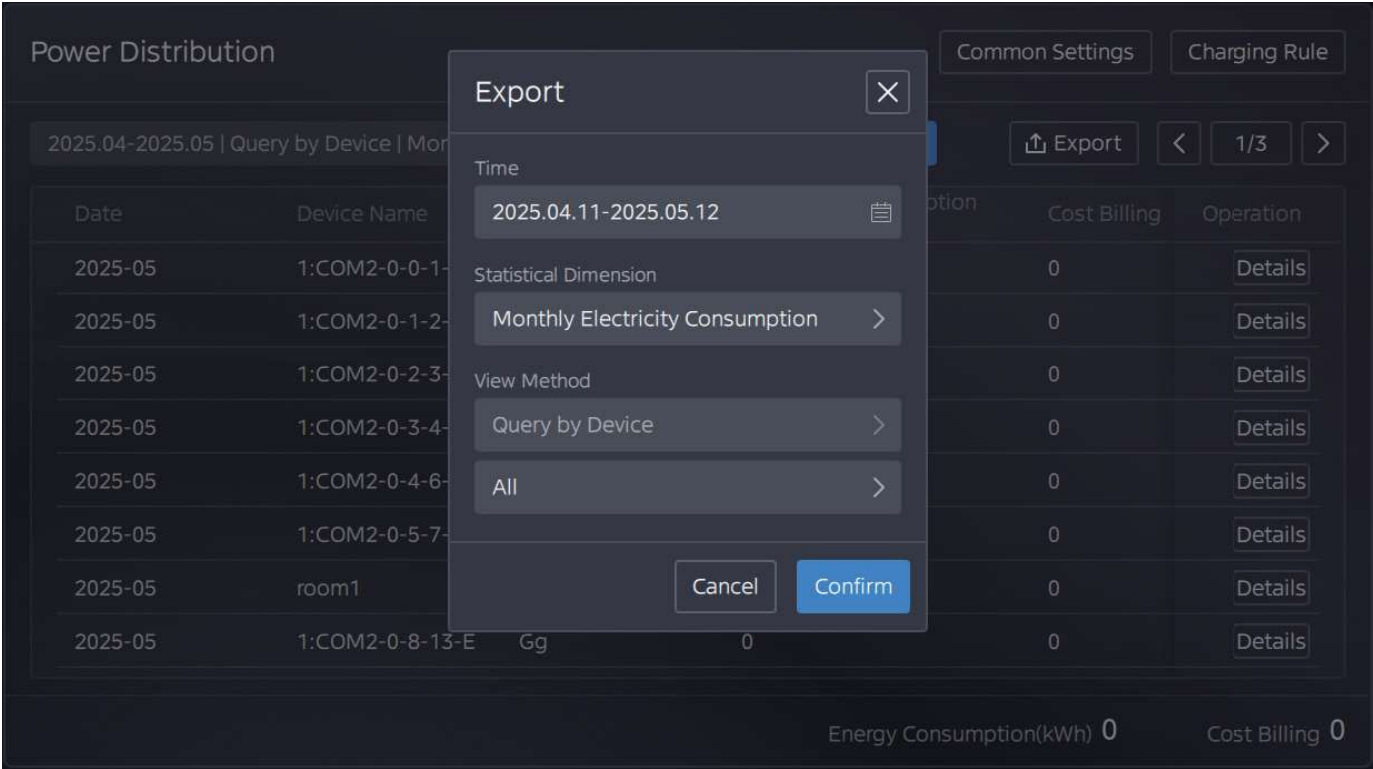
Daily Electricity Consumption

Cancel

Confirm

Exporting reports

Tap "Export" to export power consumption reports by time period, monthly/daily power consumption, and device. After tapping "Confirm", a QR code will be displayed. Scan the code to download the electricity consumption reports in CSV format. Your mobile phone must be connected to the same LAN as the centralized controller.



Note: If your mobile phone and the centralized controller are not connected to the same LAN, scanning the QR code may result in error messages such as "Unable to open webpage" or "Network error".

14.1 Charging Rule Settings

1. Basic Settings

<

Charging Rule

Cancel

Confirm

Charging Rule

Static Billing >

Add Price

1.2/kWh >

Advanced Settings

Effect Date

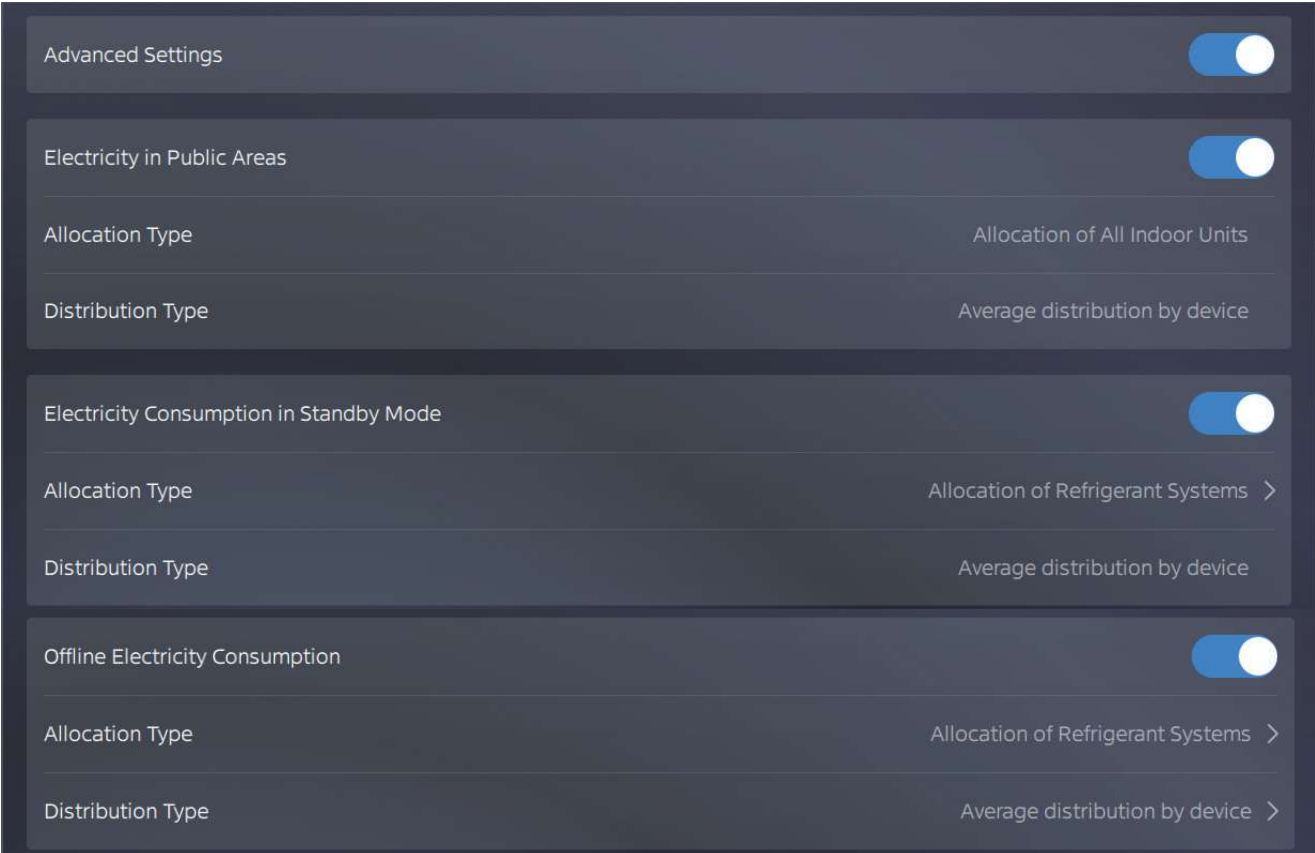
2025.05.12 >

Update All Billing Records

Item	Description	Remarks
Charging Rule	Static Billing: The unit price remains constant, regardless of the time period. Dynamic Billing: Different unit prices can be set for different time periods, which must be defined in whole hours.	
Effect Date	Enables you to specify the effective date of the new rules.	Generated electricity consumption records will not change with the new rules.
Update All Billing Records	Apply the existing billing specifications to activate all current electricity charges.	

2. Advanced Settings

Tap "Advanced Settings" to display the power distribution rules for standby mode.



Tap "Advanced Settings" to configure power distribution methods in standby and offline modes.

Distribution Rules in Standby Mode	
Distribution Type	Description
Allocation of Refrigerant Systems	IDUs in a refrigerant system equally share the standby electricity consumption of ODUs in the refrigerant system (default)
Allocation of All Indoor Units	All IDUs equally share the standby electricity consumption of ODUs

Distribution Rules in Offline Mode	
Distribution Type	Description

Allocation of Refrigerant Systems	IDUs in a refrigerant system equally share the offline electricity consumption of all ODUs in the refrigerant system (default)
	Distribution based on the power distribution method used during the same period last year or the previous month
Allocation of All Indoor Units	All IDUs equally share the offline electricity consumption of all ODUs

3. Common Settings

The Common Settings section categorizes devices into Common, Idle, and Enabled groups. Tap "Common Settings" to access the screen shown in the figure below.

The default devices are Enabled. You can switch them to Common or Idle.

Enabled: "Enabled" devices will equally share the electricity consumption of all Common devices. Tap "Enabled" to set the devices to Enabled ones. (Marked in green)

Common: The electricity consumption of "Common" devices will be equally distributed among all "Enabled" devices. Tap "Common" to set the device to Common. (Marked in yellow)

Idle: "Idle" devices do not share the power consumption of Common devices. Tap "Idle" to set the devices to Idle ones. (Marked in grey)

Notes: 1) If the power distribution rules in standby mode are set to "Allocation of All Indoor Units", idle IDUs will be excluded from the distribution. However, if the rules are set to "Allocation of Refrigerant Systems", idle IDUs will be included in the distribution. Idle devices still generate operational power consumption.

2) To set common devices, you must enable the "Electricity in Public Areas" option in the Advanced Settings panel.

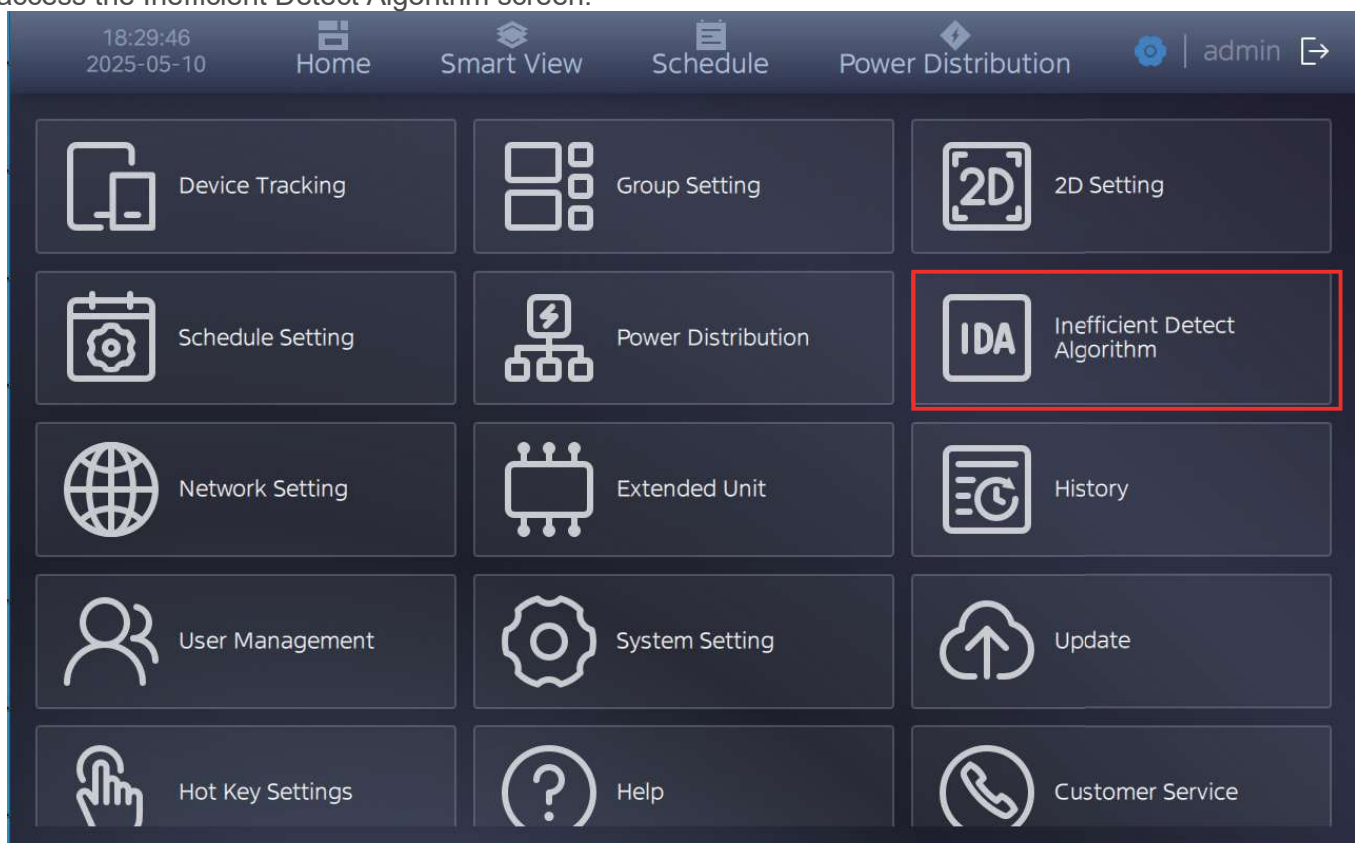
1. You can search for or locate a specific IDU by its name.
2. Tap "Filter" to select devices by status: "Enabled", "Common", "Idle", or "Select All".



15. Inefficient Detect Algorithm

An Inefficient Detect Algorithm (IDA) detects the running status of devices by using the algorithm preset on the client. If a device runs inefficiently according to certain conditions, the system records and triggers the abnormal status of the device so that you can manage the device according to the prompt and reduce energy consumption.

Tap  in the upper right corner to open the settings panel, and then tap "Inefficient Detect Algorithm" to access the Inefficient Detect Algorithm screen.



There are four modules in the IDA screen, detailed as follows:

Module	Description
Qty Statistics	Number of devices that meet inefficient running conditions
Qty Trend	Statistics on the number of devices that meet inefficient running conditions in the last week
Check Record	Records of IDA detections
Rank	Ranking of IDAs

The Inefficient Detect Algorithm screen is shown below.



15.1 Setting Check Rules

Tap  to open the IDA settings page, on which you can edit and manage IDA warning conditions. The following table lists the system's default IDA items and their ranges:

No.	IDA Item	Default Rules	Description	Range
1	Abnormal environment	Cooling: After the unit cools for 30 minutes, if the room temperature fails to drop by more than 4°C, an alarm is triggered. Heating: After the unit heats for 50 minutes, if the room temperature fails to rise by more than 4°C, an alarm is triggered.	There are heat sources indoors or the space is not sealed, resulting in no significant changes in the indoor temperature.	Temperature options: 1 to 10 Duration options: 15, 30, 45, 50, 60, 90, 110
2	Sudden change in room temperature	Cooling: After the unit cools for 30 minutes, if the room temperature change within 60 minutes is more than 5°C, an alarm is triggered. Heating: After the unit heats for 50 minutes, if the room temperature change within 60 minutes is more than 8°C, an alarm is triggered.	After the room temperature becomes stable, it suddenly changes.	Temperature options (Celsius): 1 to 10 Duration options: 15, 30, 45, 50, 60, 90, 110

3	High load running	Cooling: After the unit cools for 90 minutes, if the difference between the room temperature and the set temperature is higher than 4°C, an alarm is triggered. Heating: After the unit heats for 110 minutes, if the difference between the room temperature and the set temperature is higher than 6°C, an alarm is triggered.	IDUs are operating inefficiently, preventing the indoor temperature from reaching the set temperature.	Temperature options: 1 to 10 Duration options: 15, 30, 45, 50, 60, 90, 110
4	Abnormal set temperature	Cooling: An alarm occurs when the set temperature is lower than 20°C. Heating: An alarm occurs when the set temperature is higher than 28°C.	The set temperature for IDUs in cool mode is too low, or the set temperature in heat mode is too high.	Temperature options: 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30
5	Frequent start	IDUs have been started three or more times within 60 minutes by 24:00.	IDUs frequently start and stop within a time period.	Count options: 1 to 10 Duration options: 15, 30, 45, 50, 60, 90, 110
6	Extended operation	By 24:00, IDUs have operated for more than 18 hours in cooling or heating mode.	The IDU runtime is too long	Duration options: 12, 18
7	Abnormal running time	Cooling: IDUs are running from 20:00 to 08:00 every day. Heating: IDUs are running from 19:00 to 09:00 every day.	IDUs are running at unset times.	Time options: 00:00 to 23:00. The time span should not exceed 16 hours.

Note: The default temperature unit is Celsius. If you change the temperature unit, the system will automatically convert the option values.

Tap  to enable the corresponding detection. It is disabled by default.

Setting				
Status	IDA Name	Indoor Unit Qty	Rule	Operation
	Abnormal Environment	2	Cool: After cooling for 45 minutes, if the temperature does not go down more than 10.0°C Celsius degrees, an alarm is triggered. Heat: After heating for 90 minutes, if the temperature does not rise above 10.0°C Celsius degrees, an alarm is triggered.	Edit
	Sudden change in room temperature	0	Cool: After cooling for 45 minutes, if the temperature change within 60 minutes is more than 6.0°C Celsius degrees, an alarm is triggered. Heat: After heating for 50 minutes, if the temperature change within 60 minutes is more than 8.0°C Celsius degrees, an alarm is triggered.	Edit
	Inefficient running	0	Cool: After cooling for 60 minutes, if the difference between the room temperature and the set temperature is higher than 4.0°C Celsius degrees, an alarm is triggered. Heat: After heating for 110 minutes, if the difference between the room temperature and the set temperature is higher than 10.0°C Celsius degrees, an alarm is triggered.	Edit
	Abnormal set temperature	12	Cool: The set temperature for cooling is below 30.0°C Celsius degrees, an alarm is triggered. Heat: The set temperature for heating exceeds 16.0°C Celsius degrees, an alarm is triggered.	Edit

Tap "Edit" to enter the editing screen. Set specific conditions to trigger warnings, with configurable ranges based on the table above. Tap "Detected Device" to add the device you want to apply the current warning settings to.

15.2 Check Record

Tap "Check Record" to access the Check Record page, where you can view devices that have recently run inefficiently. The page displays the time, type, device name, group, description, and operation of inefficient events.

Use the drop-down list box in the title bar to select an IDA type.

Tap to view detailed information about the inefficient device.

Tap "Export" to export the files (Your mobile phone must be connected to the same LAN as the centralized controller.)

< Check Record

All

>

2025.05.03-2025.05.10

Export

Date	Name	Device Name	Group	Description	Operat
2025.05.10 12:34:07	Abnormal running time	1:COM2-0-2-3-E		Indoor unit running at unusual times	View
2025.05.10 12:34:07	Abnormal running time	1:COM2-0-0-1-E		Indoor unit running at unusual times	View
2025.05.10 12:34:07	Abnormal set temperature	1:COM2-0-2-3-E		The indoor set temp is too low in cool mode or too high in heat mode.	View
2025.05.10 12:34:06	Abnormal set temperature	1:COM2-0-0-1-E		The indoor set temp is too low in cool mode or too high in heat mode.	View
2025.05.10 01:00:08	Abnormal running time	1:COM2-0-5-7-E		Indoor unit running at unusual times	View
2025.05.10 01:00:07	Abnormal running time	1:COM2-0-4-6-E		Indoor unit running at unusual times	View
2025.05.10 01:00:07	Abnormal running time	1:COM2-0-3-4-E		Indoor unit running at unusual times	View
2025.05.10 01:00:07	Abnormal running time	1:COM2-0-23-9-F		Indoor unit running at unusual times	View

15.3 Rank

Tap

>

 behind the rank module to access the rank details page. The page displays the rank number, anomaly type, description, and quantity.

< Rank

2025.05.03-2025.05.10

Rank	Inefficient Detect Algorithm	Description	Number
1	Abnormal set temperature	The indoor set temp is too low in cool mode or too high in heat mode.	1296
2	Abnormal running time	Indoor unit running at unusual times	1098

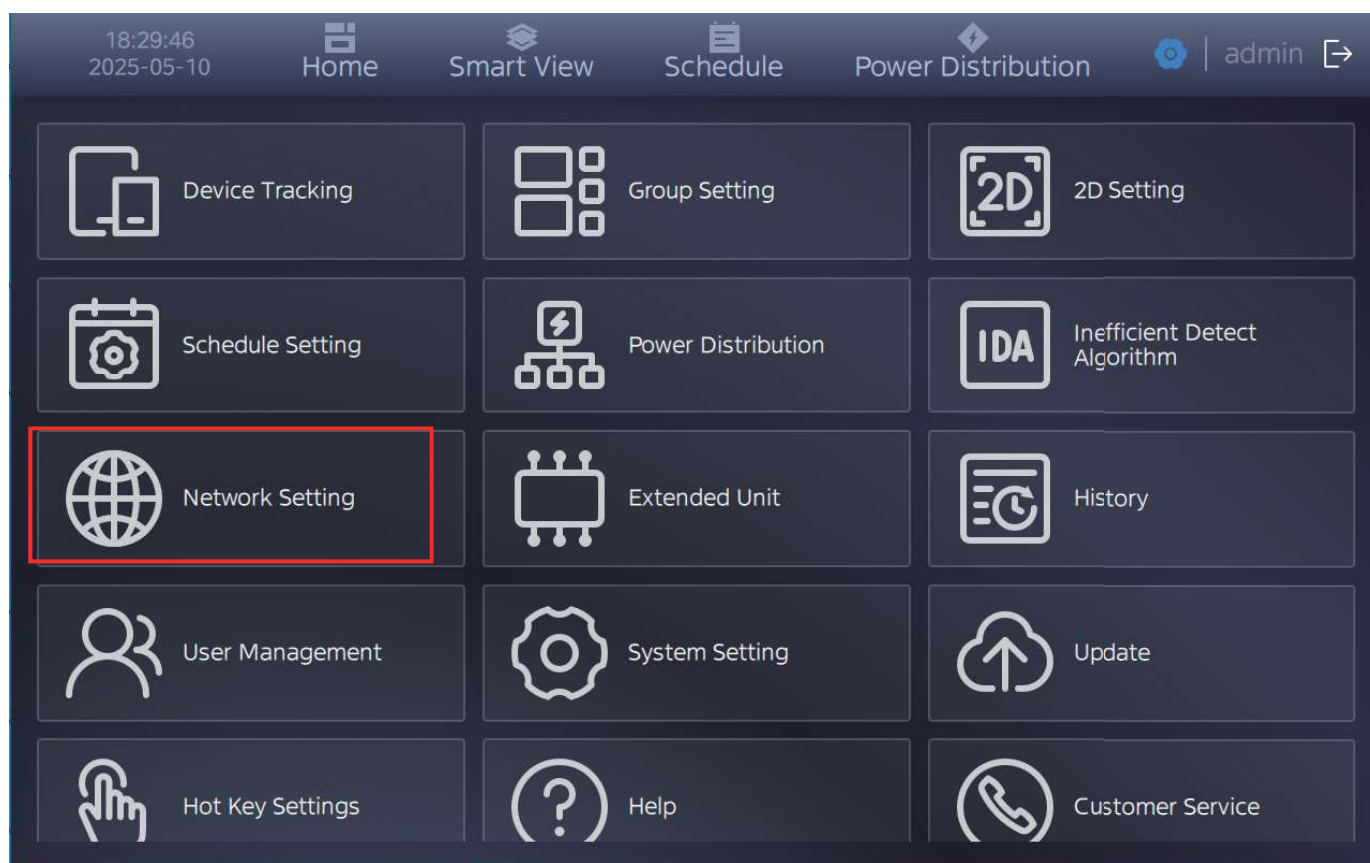
16. Network Setting

By default, IMM-Elite operates with a dynamic IP. You can modify its network configuration via the Network Setting screen.

The network configuration should be modified in the following situations:

1. If the static IP address conflicts with the IP address of another device in the network, the IP address should be modified.
2. When a static IP address is required for a specific network segment to maintain communication with other devices, the IP address should be modified.
3. To connect to a Wireless Network, the IP address should be modified.

Tap  in the upper right corner to open the settings panel, and then tap "Network Setting" to access the Network Setting screen.



Wired network

The centralized controller uses a dynamic IP address by default. You can either change it to a static IP and configure the network manually, or keep the dynamic IP to automatically obtain an address.

After selecting a static IP, you can tap "Edit" to configure the static IP address, default gateway, subnet mask, and name.

Network Setting

wired network

wireless network

static IP

Dynamic IP

IP Address

Subnet Mask

Default Gateway

Name

Edit

Wireless Network

Select "Wireless Network", activate the network status button, choose the desired Wireless Network, enter the password, and tap "Confirm" to complete the connection.

Network Setting Panel

Wired Network

Wireless Network

Status

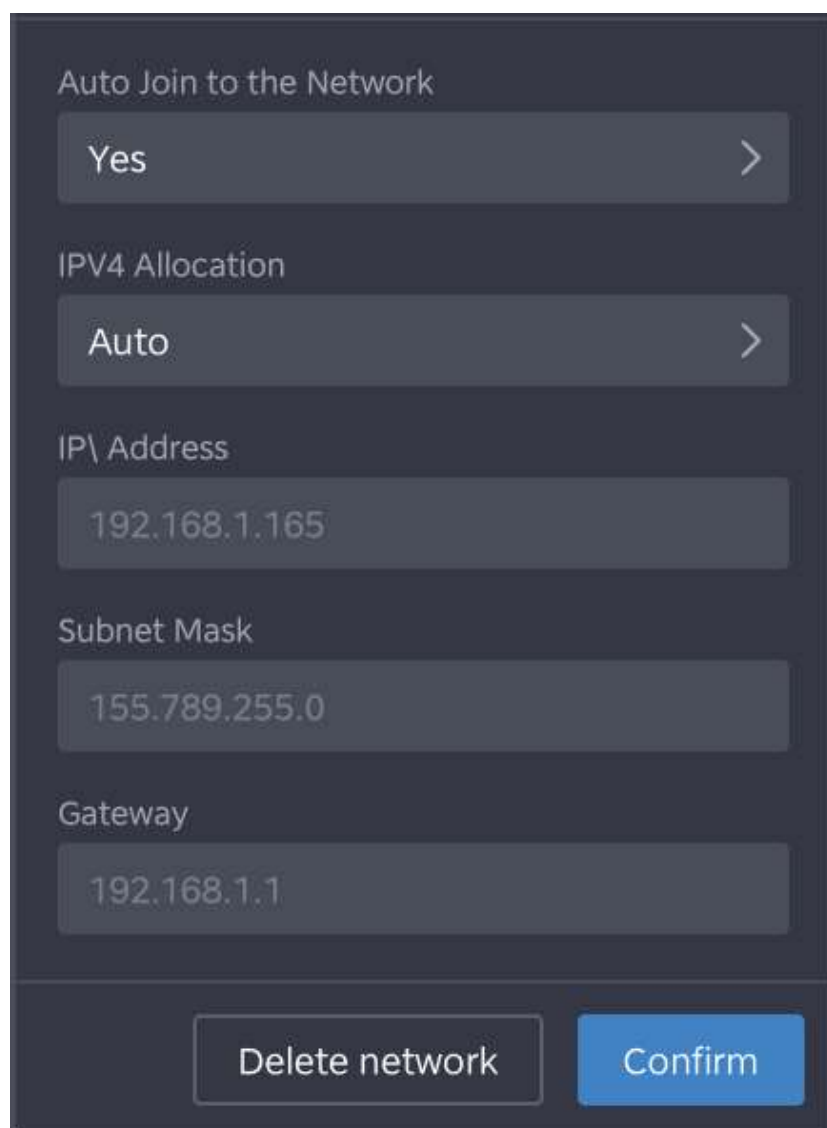
Test1

Test2

Test3

Note: The Wireless Network password memory function only supports the most recently connected Wireless Network

Tap  to modify the parameters of the Wireless Network. The screen is as follows:



The screenshot shows a dark-themed configuration screen for a wireless network. It contains several settings, each with a label and a corresponding input field or dropdown menu. At the bottom, there are two buttons: 'Delete network' and 'Confirm'.

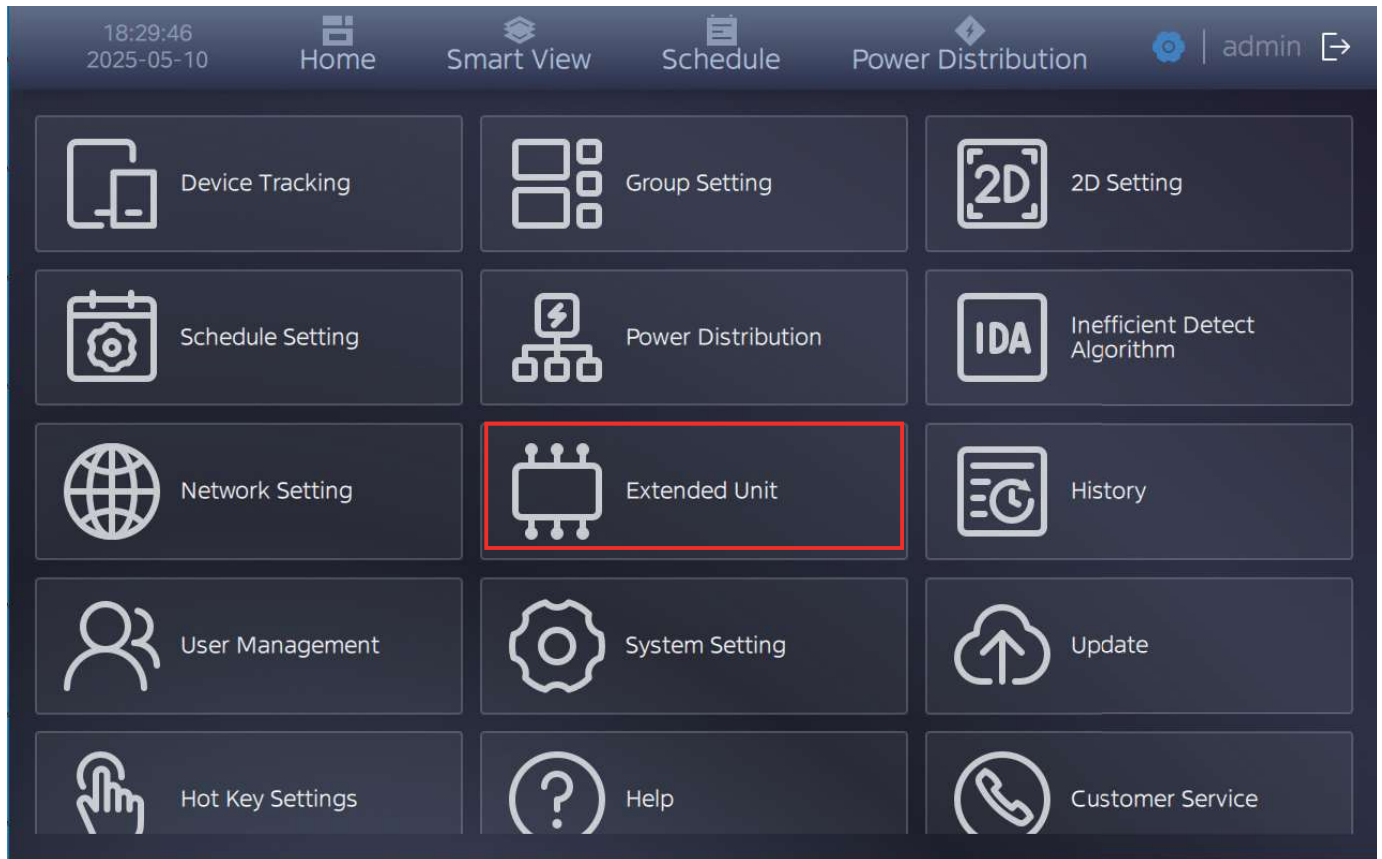
Setting	Value
Auto Join to the Network	Yes
IPV4 Allocation	Auto
IP\ Address	192.168.1.165
Subnet Mask	155.789.255.0
Gateway	192.168.1.1

Buttons: Delete network, Confirm

When IPV4 Allocation is set to "Auto", the system automatically obtains IP information. When it is set to "Manual", you can manually configure the IP address, subnet mask, and gateway.

17. Extended Unit

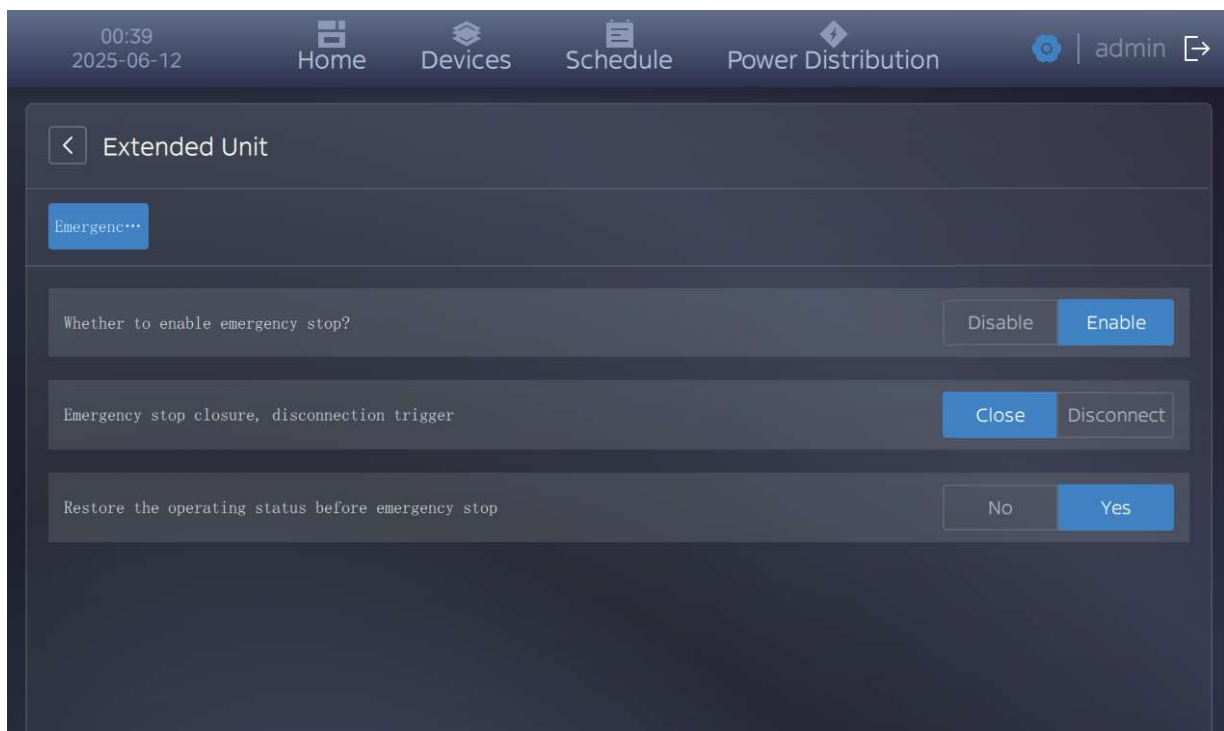
Tap  in the upper right corner to open the settings panel, and then tap "Extended Unit" to access the Extended Unit screen.



This screen includes the following content:

Emergency stop settings

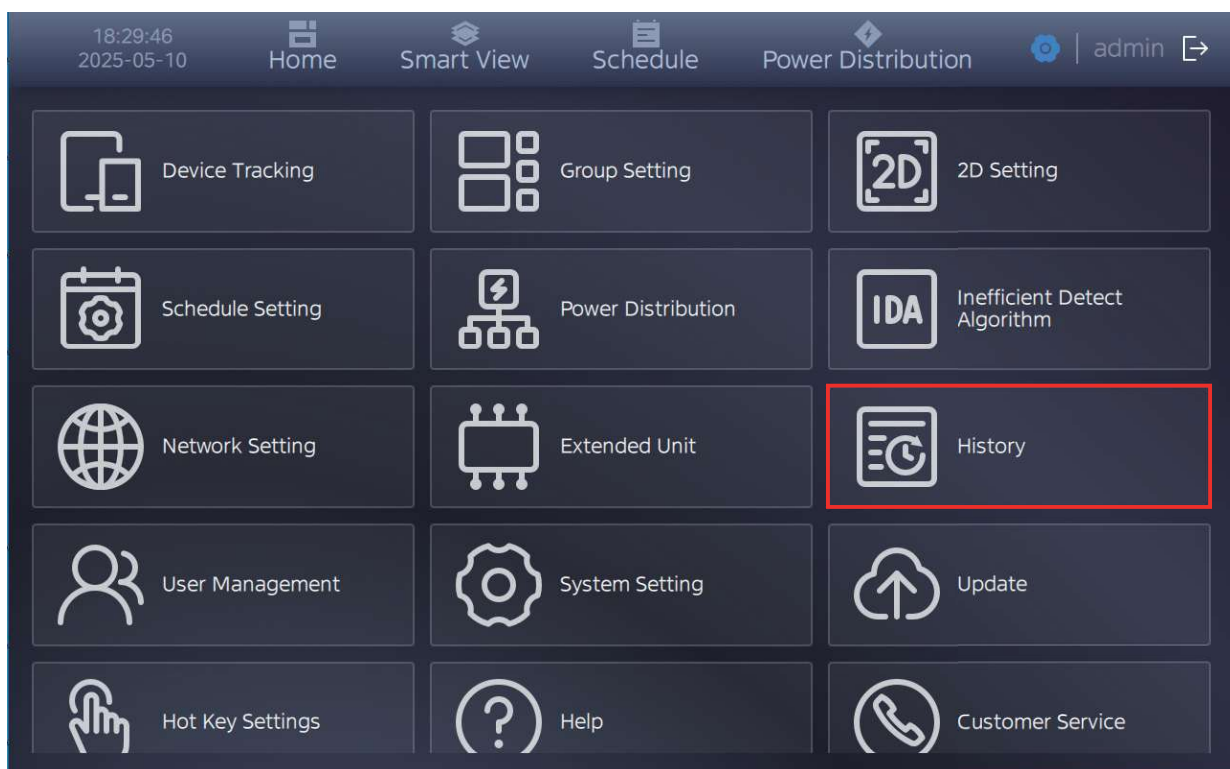
1. By default, DI1 is designated as the emergency stop port.
2. The emergency stop function can be enabled or disabled as needed.
3. The emergency stop function can be triggered by configuring either the closure of the DI port or the opening of the DI port.
4. You can set whether the device should resume operation after the emergency stop is cleared.



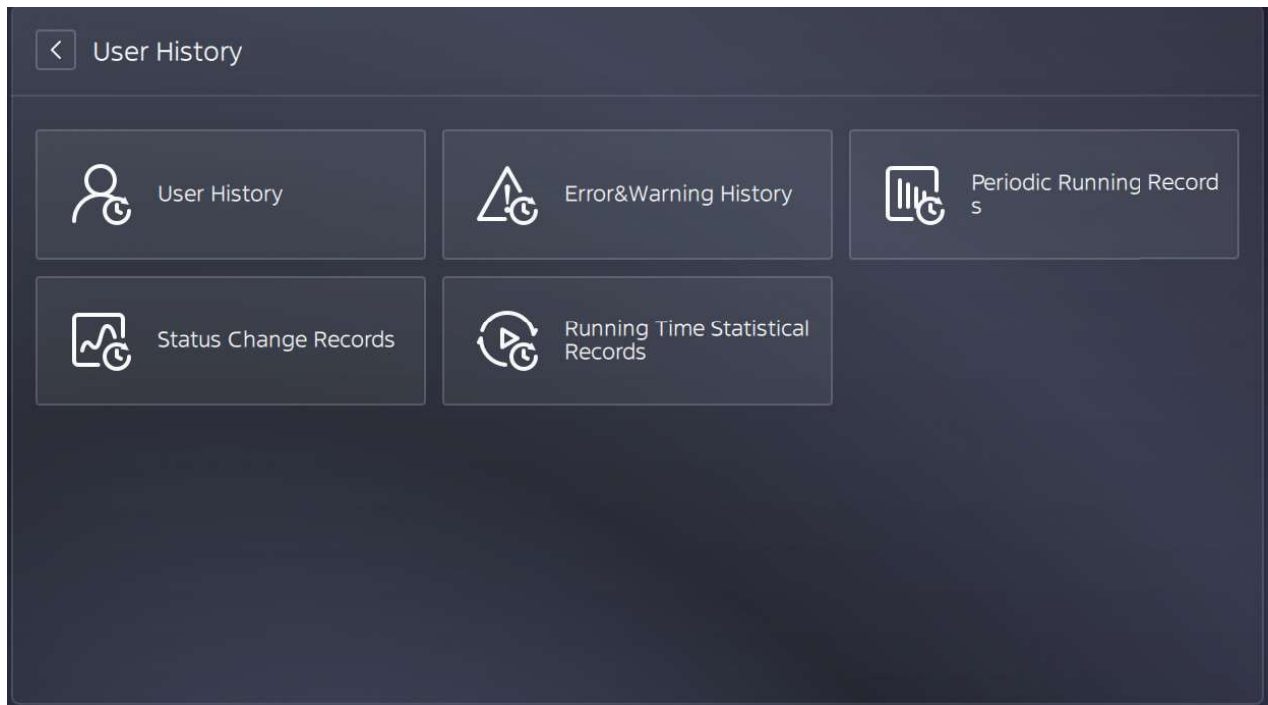
18. History

To facilitate routine device maintenance of the centralized controller and help technicians troubleshoot, the History screen will record all types of device running logs and user operations.

Tap  in the upper right corner to open the settings panel, and then tap "History" to access the History screen.



It primarily includes the following sections: User History, Error & Warning History, Periodic Running Records, Status Change Records, and Running Time Statistical Records, as shown in the figure below.



Type	Description
User History	User login history, device operation history, and schedule operation history.
Error & Warning History	Errors and warnings of system devices, including IDUs, ODUs, and gateways.
Periodic Running Records	Operating status records of IDUs and ODUs, generating data every 5 minutes.
Status Change Records	1. Once the system detects any change in the IDU operating status, it generates a record of the new status as follows: ODU [ODU malfunction, record electricity meter readings every early morning], IDU [IDU on/off, mode change]. 2. Schedule execution records can document the success, partial success, or failure of schedule execution.
Running Time Statistical Records	Daily runtime statistics of IDUs in different modes.

	The device polling cycle data is cached and synchronized with the database every hour. Updates become visible only at the top of each hour.
--	---

18.1 Viewing

Tap the type of history you want to view, and select the view range to check the history details.

<

User History

2025. 04. 09-2025. 05. 10

User History

Filter

Delete

Export

<

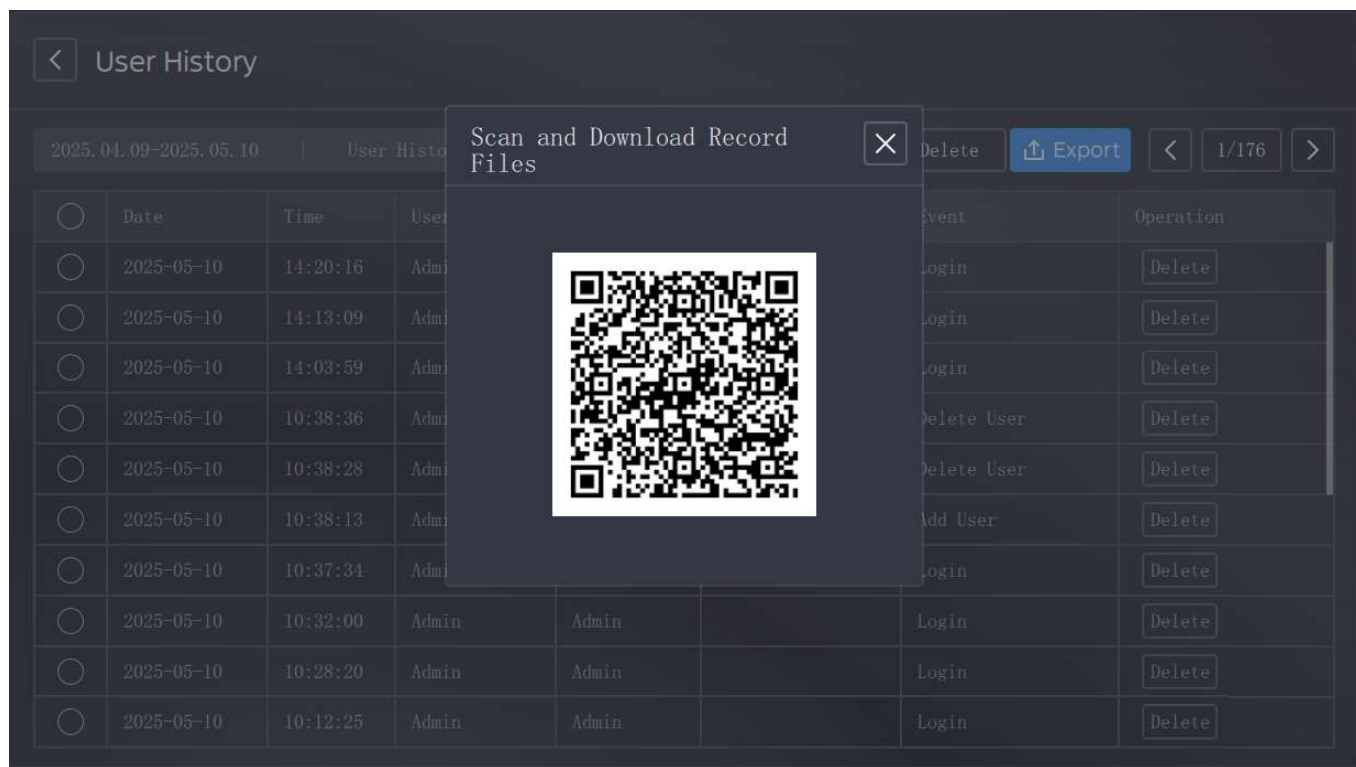
1/176

>

	Date	Time	User	User Type	Indoor Unit	Event	Operation
	2025-05-10	14:20:16	Admin	Admin		Login	Delete
	2025-05-10	14:13:09	Admin	Admin		Login	Delete
	2025-05-10	14:03:59	Admin	Admin		Login	Delete
	2025-05-10	10:38:36	Admin	Admin		Delete User	Delete
	2025-05-10	10:38:28	Admin	Admin		Delete User	Delete
	2025-05-10	10:38:13	Admin	Admin		Add User	Delete
	2025-05-10	10:37:34	Admin	Admin		Login	Delete
	2025-05-10	10:32:00	Admin	Admin		Login	Delete
	2025-05-10	10:28:20	Admin	Admin		Login	Delete
	2025-05-10	10:12:25	Admin	Admin		Login	Delete

18.2 Export

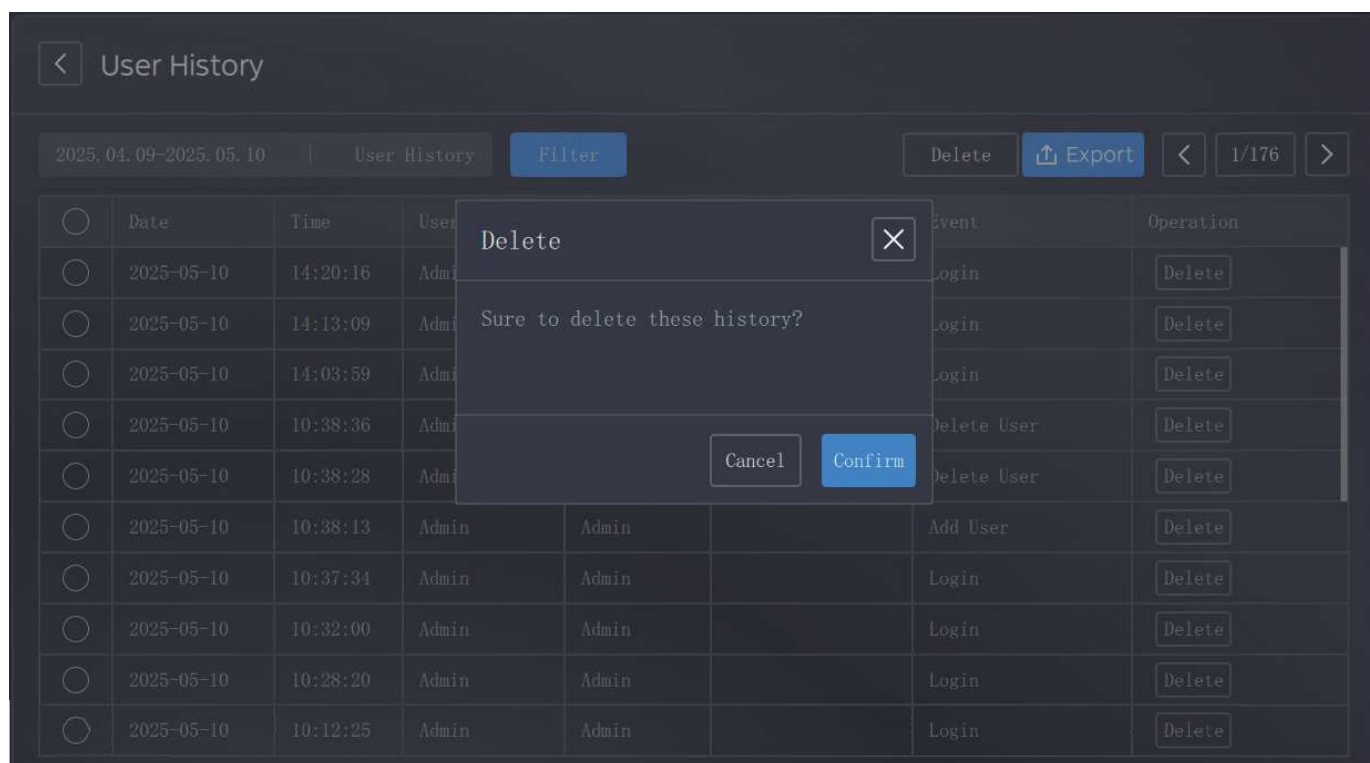
Select "User History" to enter the record details page, and tap "Export" above the table to generate a QR code for file export based on the current query range. Then, scan the QR code with your mobile phone to download and save the record file.



Note: Your mobile device and the centralized controller must be connected to the same LAN to export the file.

18.3 Deletion

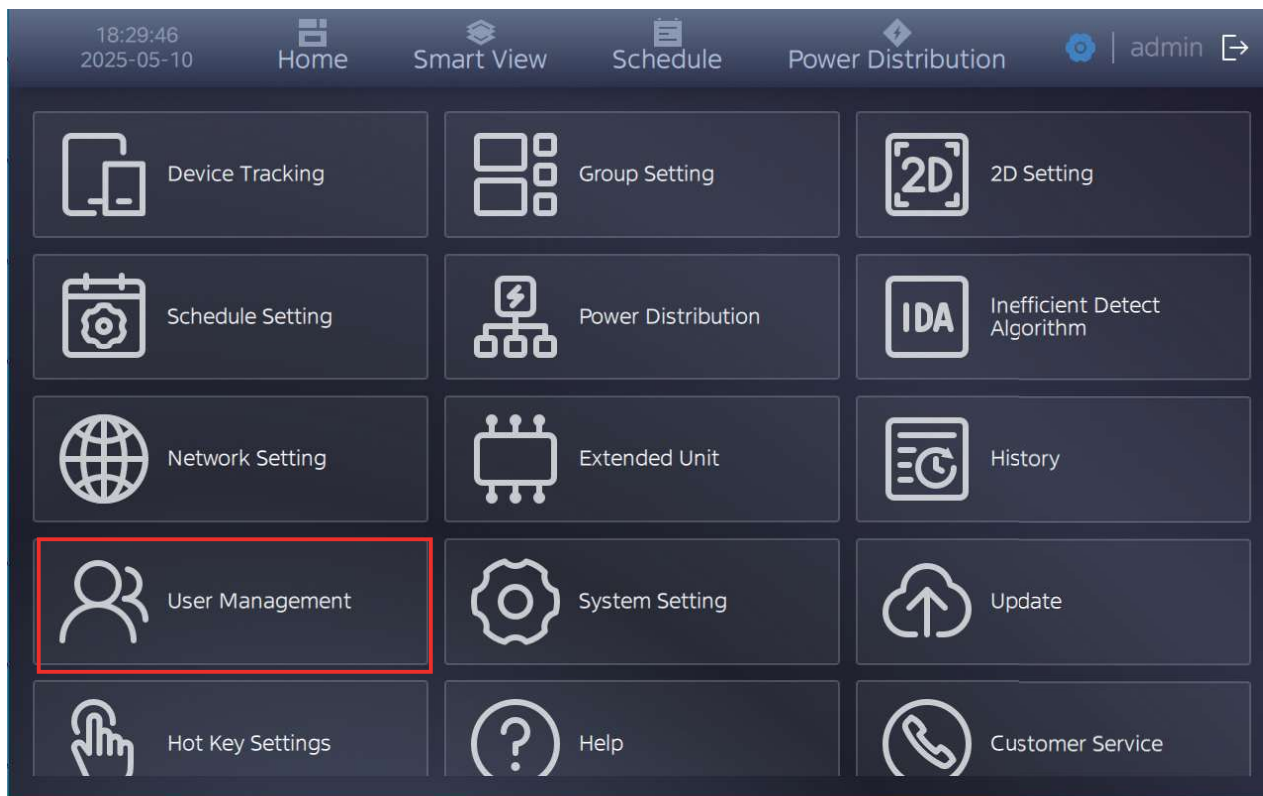
To delete a record, select the desired record data from the list and then tap "Confirm" in the pop-up window.



19. User Management

The user management module is exclusively accessible to super administrators, who have the authority to view, create, and edit settings, as well as manage access permissions for various personnel.

Tap  in the upper right corner to open the settings panel, and then tap "User Management" to access the User Management screen.



The User Management screen is as follows:

<

User Mgmt

User Management Setting

+ Add User

Username	Permission	User Description	Registration Date	Operation	
1231	User		2025-04-10 16:01:25	Edit	Delete
01	Manager		2025-04-07 09:48:25	Edit	Delete
pxz	Restricted users		2025-03-17 11:29:25	Edit	Delete
swx2	User		2025-03-17 10:56:25	Edit	Delete
admin3	Admin		2023-02-02 16:25:23	Edit	Delete
admin2	Admin		2023-02-02 16:25:23	Edit	Delete
test1	Manager		2025-03-13 09:31:25	Edit	Delete
swx	Manager		2025-03-12 15:09:25	Edit	Delete
admin	Admin		2023-02-02 16:25:23	Edit	Delete

19.1 User Permission Management

The system categorizes accounts into three roles: managers, users, and restricted users. You can tap "Permission Management" on the User Management screen to access the Permission Management screen.

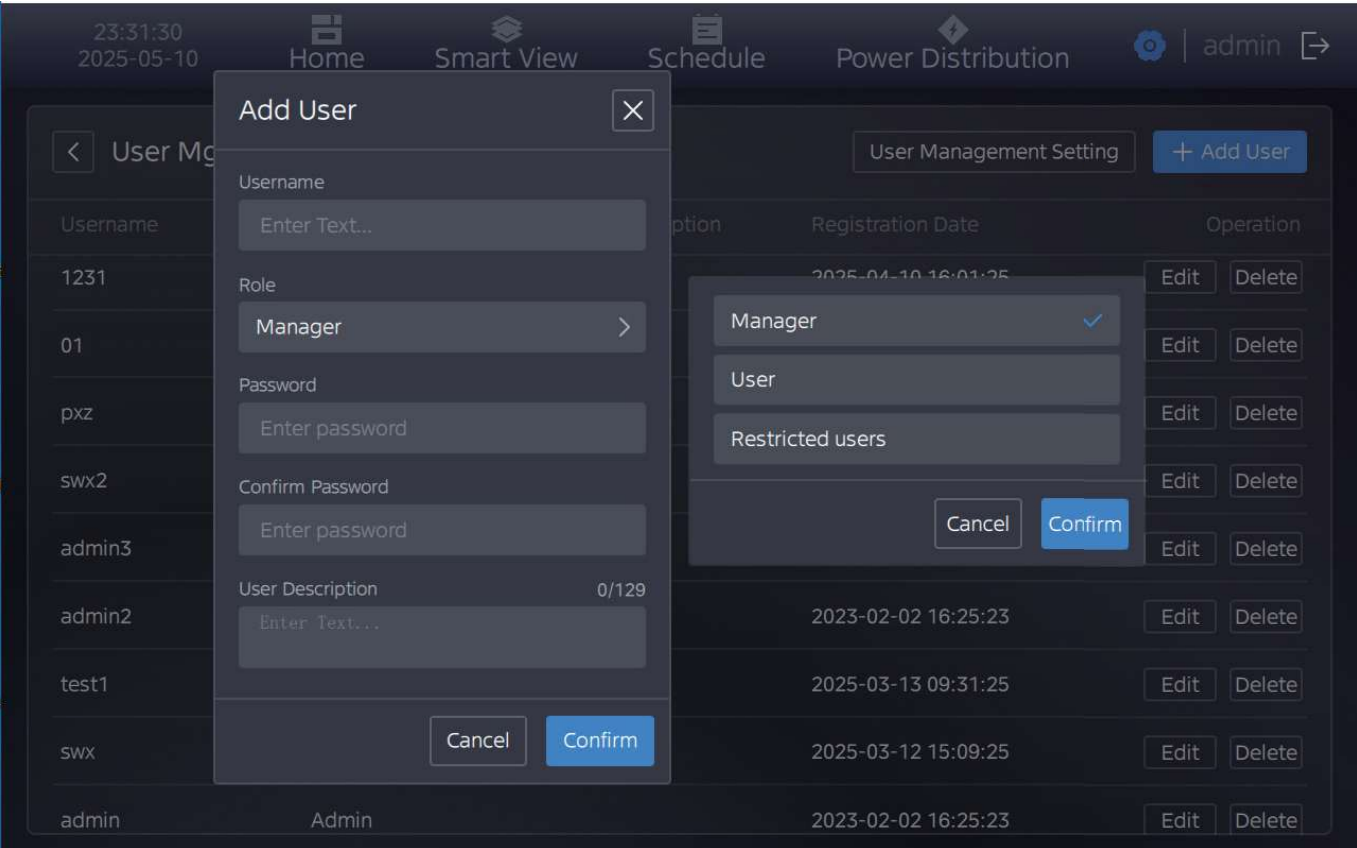
Permission Management				
Menu	Description	Manager	User	Restricted users
Lock	If disabled, indoor unit lock is unavailable.	☒	☐	☒
Schedule	If disabled, schedule function is unavailable	☒	☐	☐
Device Tracking	If disabled, device search is unavailable.	☒	☐	☒
Group Setting	If disabled, group setting function is unavailable	☒	☐	☒
Hot Keys	If disabled, hot key function is unavailable	☒	☐	☒
System Setting	If disabled, system settings cannot be edited	☒	☒	☐
Network Setting	If disabled, network settings cannot be edited	☒	☐	☐
Upgrade	If disabled, client or gateway firmware cannot be upgraded.	☒	☐	☐
History Data	If disabled, history cannot be viewed	☒	☐	☒
IDA device running	If disabled, device operation monitoring function is unavailable	☒	☐	☐

This screen allows for the configuration of different permissions for managers, users, and restricted users.

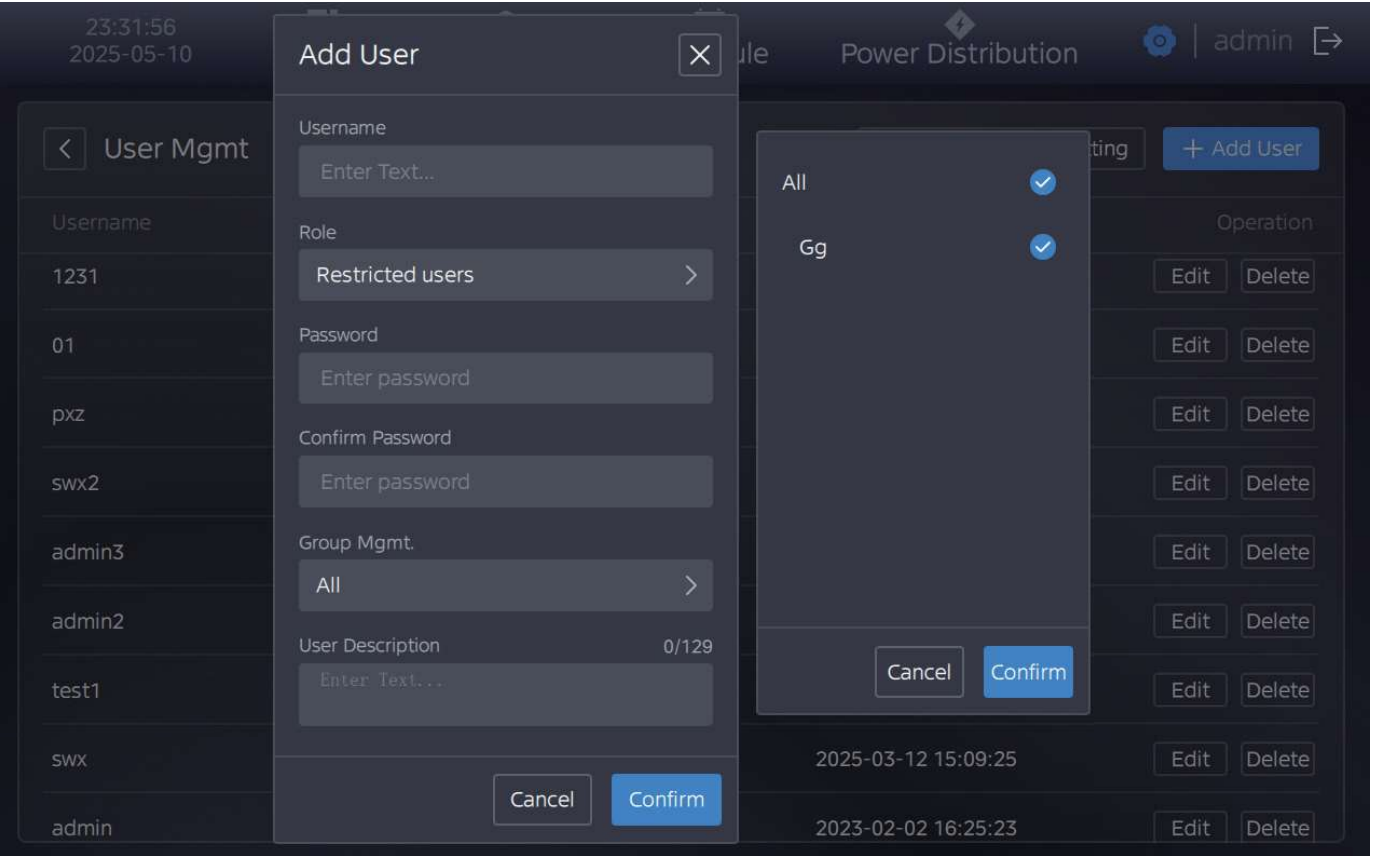
Role	Description	Remarks
Manager	Users responsible for managing air conditioning devices; the super administrator can set permissions based on the usage details of managers.	
User	Users responsible for managing air conditioning devices; the super administrator can set permissions based on the usage details of users.	
Restricted User	Users with access limited to a specific range of devices. You can define which devices these users are permitted to control.	Area-based permission settings are supported

19.2 User Mgmt

1. To add a user, tap "+Add User" to open a dialog box where you can input the username, user description, password, and role. After this, you have added a user.

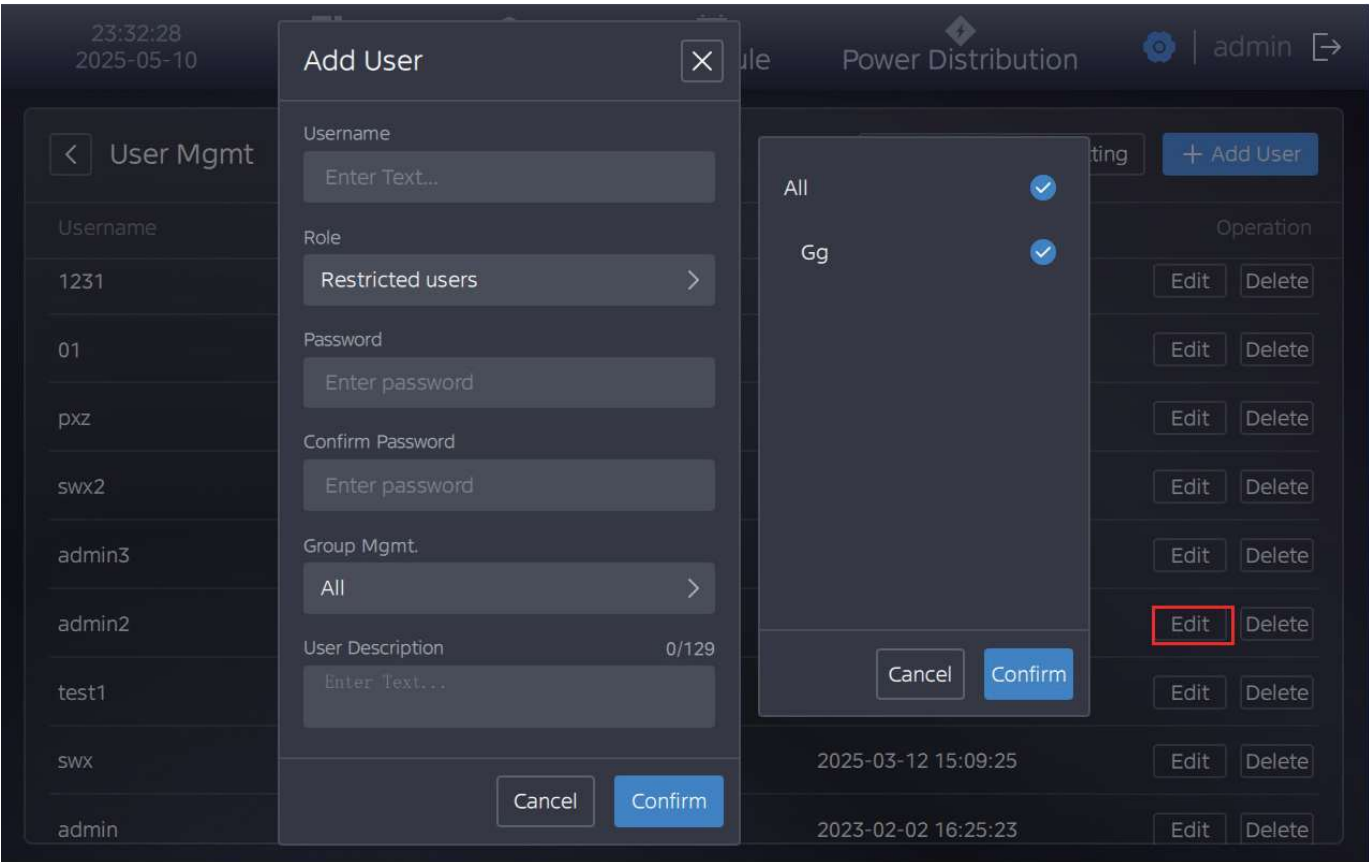


You can select the group devices that restricted users are allowed to manage.



19.3 Editing and Deleting a User

Tap "Edit" to edit user data. You can modify the user role, password, and description, as well as the air conditioning devices managed by restricted users.



Tap "Delete" to delete user data. Once deleted, the account will no longer have access to the system.

20. System Setting

Tap  in the upper right corner to open the settings panel, and then tap "System Setting" to access the System Setting screen.



The System Setting screen includes the following items: Region, Date, Date format, Time, Time format, Language, Indicator Light, Display Brightness, Screen Off Time, Temp Unit, Cloud synchronization, Screensaver Settings, Backup, SN, and consent options for the "Service Agreement" and "Privacy Policy".

<

System Setting

Screensaver S...

Backup

Region

Asia/Beijing (UTC+8) >

Temp Unit

Celsius °C >

Date format

YYYY-MM-DD >

Screen Off Time

10 Min >

Date

2025-05-10 >

Cloud synchronization

Update , Data >

Time Format

24-Hour System >

Display Brightness

Time

23:33:28 >

Indicator light

Enabled ☒

Language

English >

SN : 0000CC311178PR0LL3410411114B88Y

☒ Agree to [Service Agreement](#) and [Privacy Policy](#)

No.	Item	Options	Description
1	Region	Time zones from regions including Asia, Africa, America, Australia, Europe, and the Pacific	
2	Language	Chinese, English, Arabic, Spanish, Turkish, Portuguese, Korean, Russian, Italian, Polish, French, German, Georgian, Traditional Chinese	
3	Temp Unit	°C, °F	Default: °C

4	Screen Off Time	1 Min, 5 Min, 10 Min, 30 Min	Default: 10 Min
5	Date Format	YYYY-MM-DD MM-DD-YYYY DD-MM-YYYY	Default: YYYY-MM-DD
6	Date	Year, month, and date	Enables you to set the date
7	Time Format	12-hour clock, 24-hour clock	Default: 24-Hour System
8	Time	Hour: Minute	Enables you to set the time
9	Cloud Synchronization	Update, Data	After selecting "Update", you can update the system to the latest version online. OTA updates are supported. After selecting "Data", you can synchronize local data to iBuilding.
10	Screensaver Settings	Enables you to set a lock screen password, supporting 6-digit numeric input.	Enables you to set a screen-off password. By default, no screen-off password is provided.

11	Display Brightness	Enables you to adjust the screen backlight brightness.	
12	Backup	Enables you to back up database files Enables you to restore database files	Enables you to back up centralized controller data. When data is lost, you can read historical backup files to restore the data.
13	Indicator Light	Allows you to enable or disable the mode/status indicator	Default: Enabled
14	Privacy Agreement	Service Agreement and Privacy Policy	You must check the box before enabling the cloud synchronization feature.

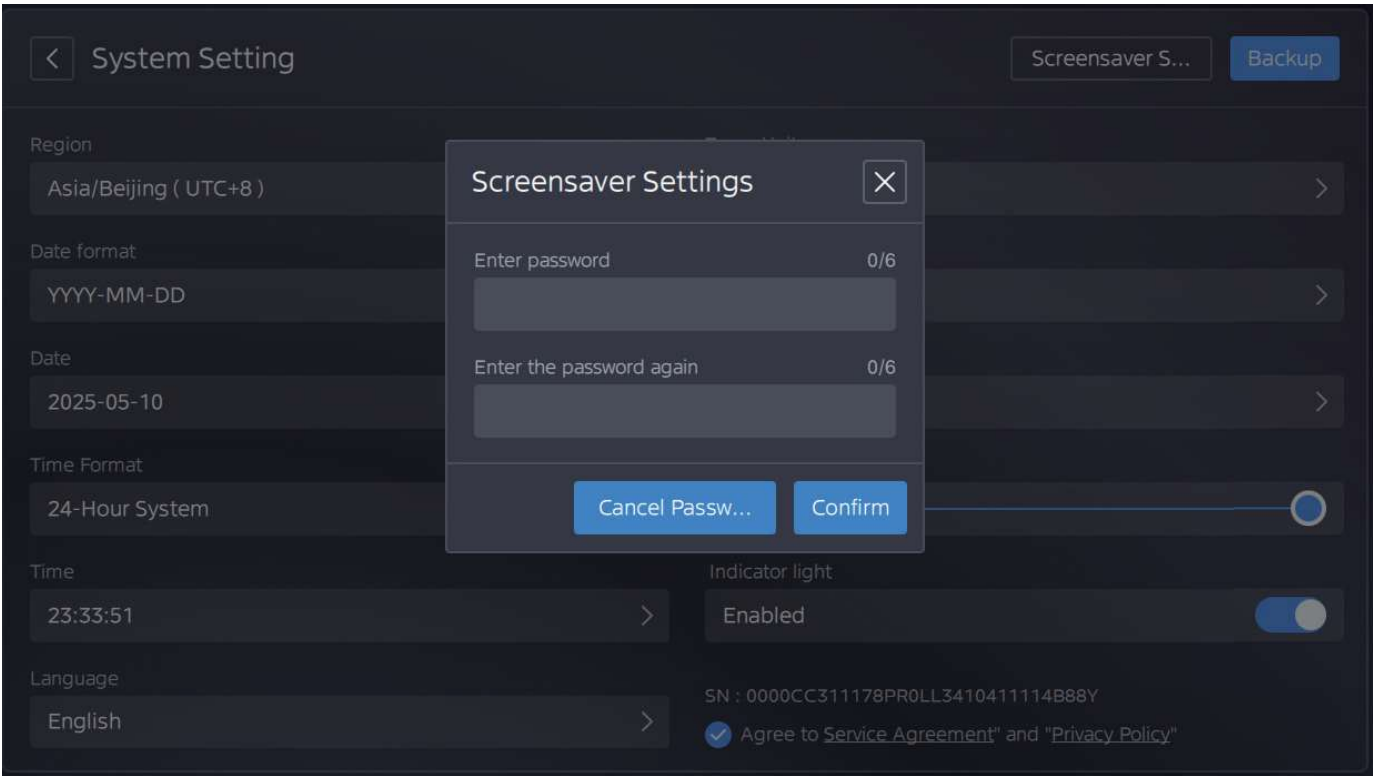
Note 1: To ensure the proper execution of scheduled events, exercise caution when modifying the region, date, time, and other related information.

20.1 Screensaver Settings

To prevent accidental touches or restrict operations after the screen turns off, you can set a screensaver password. Once the screen turns off, you will need to enter the password to log back in and access the system. The following figure shows the screensaver password setup screen. Enter your password, confirm it, and tap "Confirm" to proceed.

1. Only 6-digit numeric passwords are supported.
2. By default, no screensaver password is provided.
3. Please remember your lock screen password. Password recovery is not supported; if forgotten, please contact maintenance personnel for assistance.

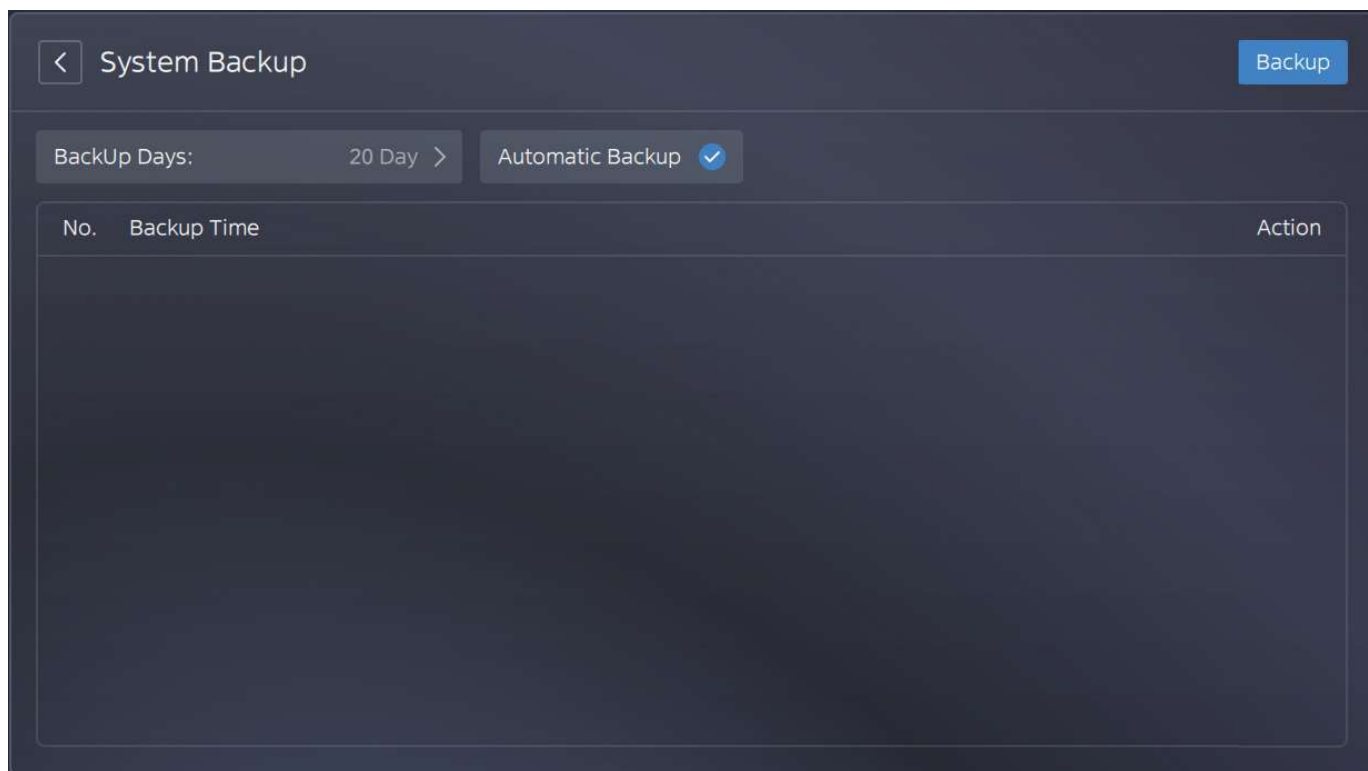
4. After the screen turns off, you must enter the screensaver password to access the operation interface.



20.2 System Backup

The backup function is used to backup data from the IMM-Elite database.

1. You can enable automatic backups by selecting a preferred interval: 20, 30, 60, or 90 days. The system will perform backups automatically based on the selected schedule.
2. Alternatively, you can manually back up the database by tapping "Backup".
3. Tap "Delete" to remove the backup database.
4. Tap "Restore" to recover the selected database.



21. Update

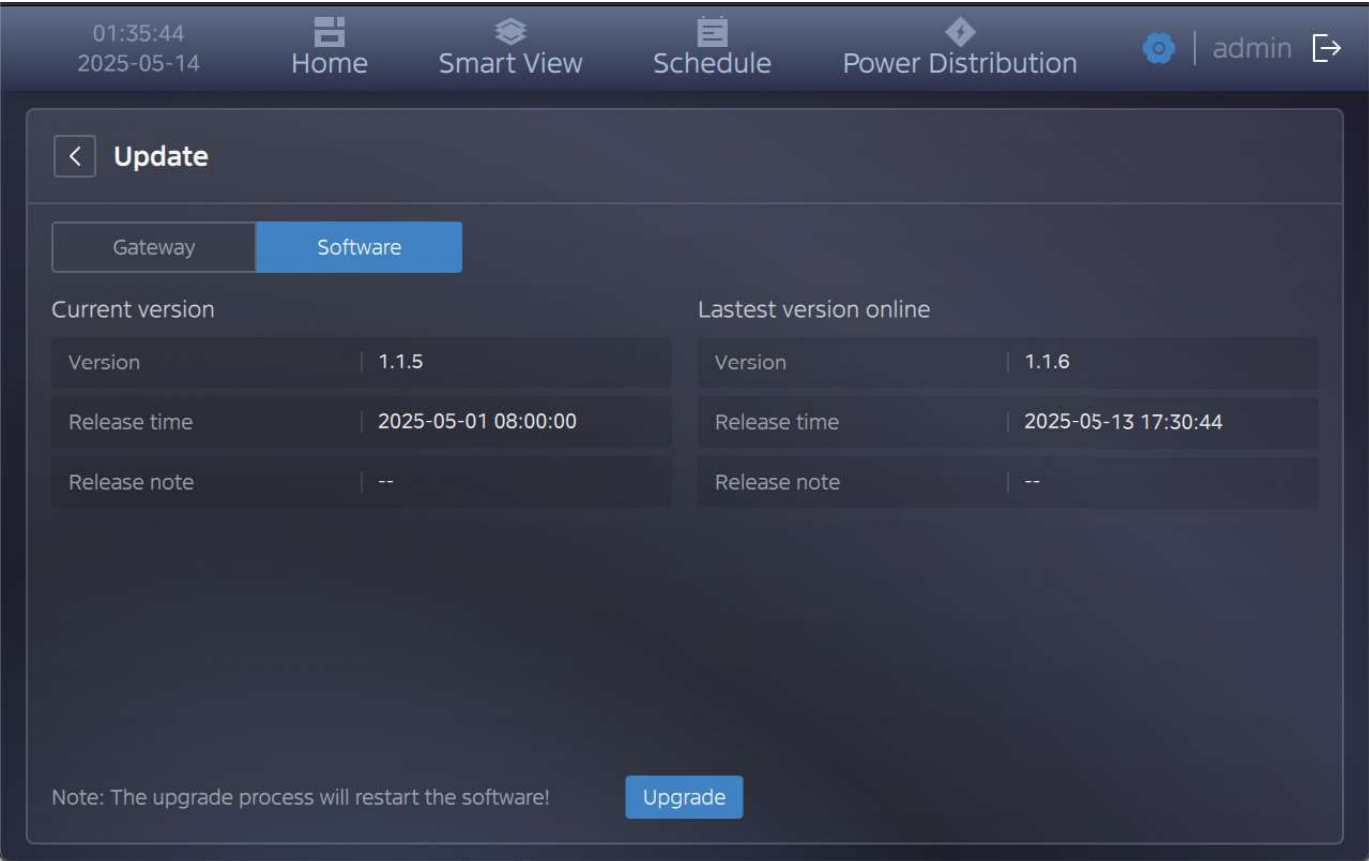
Tap  in the upper right corner to open the settings panel, and then tap "Update" to access the Update screen.

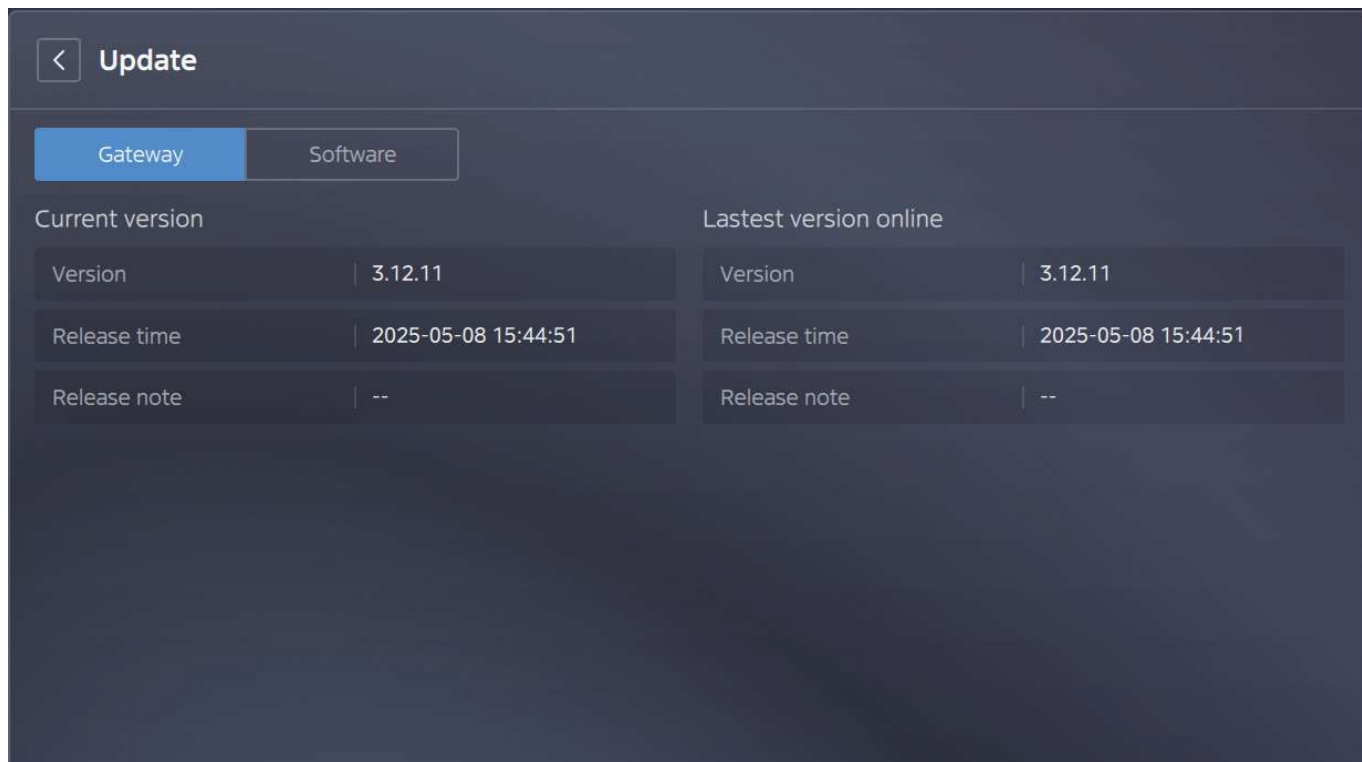


Cloud-based update: When the IMM-Elite centralized controller is connected to the cloud, it can check for and update to the latest software version. When a new version is available, the "Latest version online" section will display the latest software version, allowing you to tap "Upgrade" to update the software version.

The update module consists of two components: gateway (backend) and software (frontend) updates. Each component includes two submodules: the device's current version and the latest version online. Both submodules display the version number, release date, and update details. If a new version is available (i.e., the latest version online is higher than the current version), you may tap "Upgrade" to proceed. The system will then automatically download the latest version and complete the update. After the software update, the application will restart automatically. For gateway updates, the backend service will restart, but the system itself will not reboot. The screen is as follows:

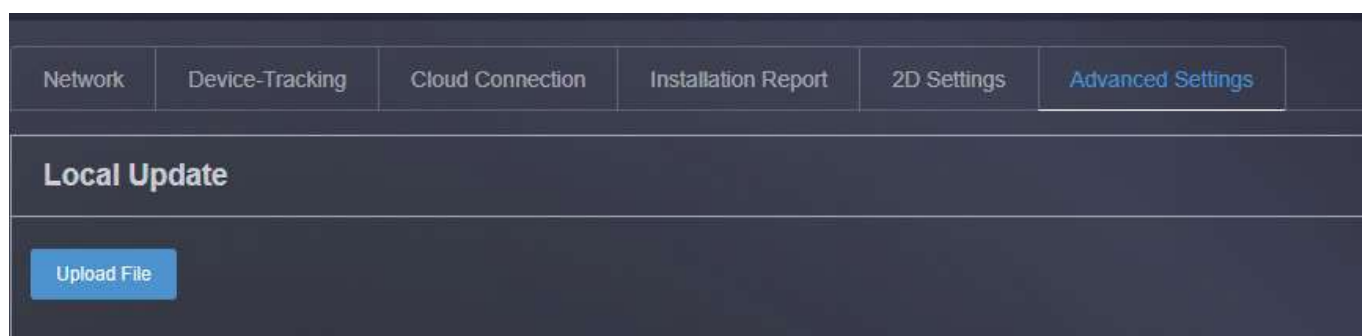
- Notes: 1. To perform an OTA update, you must select "OTA upgrade" through System Setting > Cloud Synchronization. Otherwise, the new versions will not be available.
2. The centralized controller must be connected to the internet; without an internet connection, the OTA update function will be unavailable.





Local update

1. Ensure that your computer is connected to the same network as the centralized controller. Open a browser and enter the IP address assigned by the centralized controller (which is available on the Network Setting screen) (e.g., 192.168.100.185) to open the website.
2. On the website login screen, enter the username (admin) and password (123AB@ab) to log in to the centralized controller.
3. Tap "Advanced Settings" > "Local upgrade", upload the update package, and tap "Confirm" to complete the update. The software will automatically restart upon successful update.



22. Hot Key Settings

IMM-Elite enables quick control of physical keys, allowing you to manage devices without waking the screen. This feature helps eliminate the need to select devices or set commands during daily use, achieving "one-key control".

All On: Tap "All On" on the right side of the screen to turn on all associated devices.

All Off: Tap "All Off" to turn off all associated devices.

Fn1: Tap "Fn1" to view executable command options. After selecting a command, tap "Confirm" to control the associated devices according to your selected command.

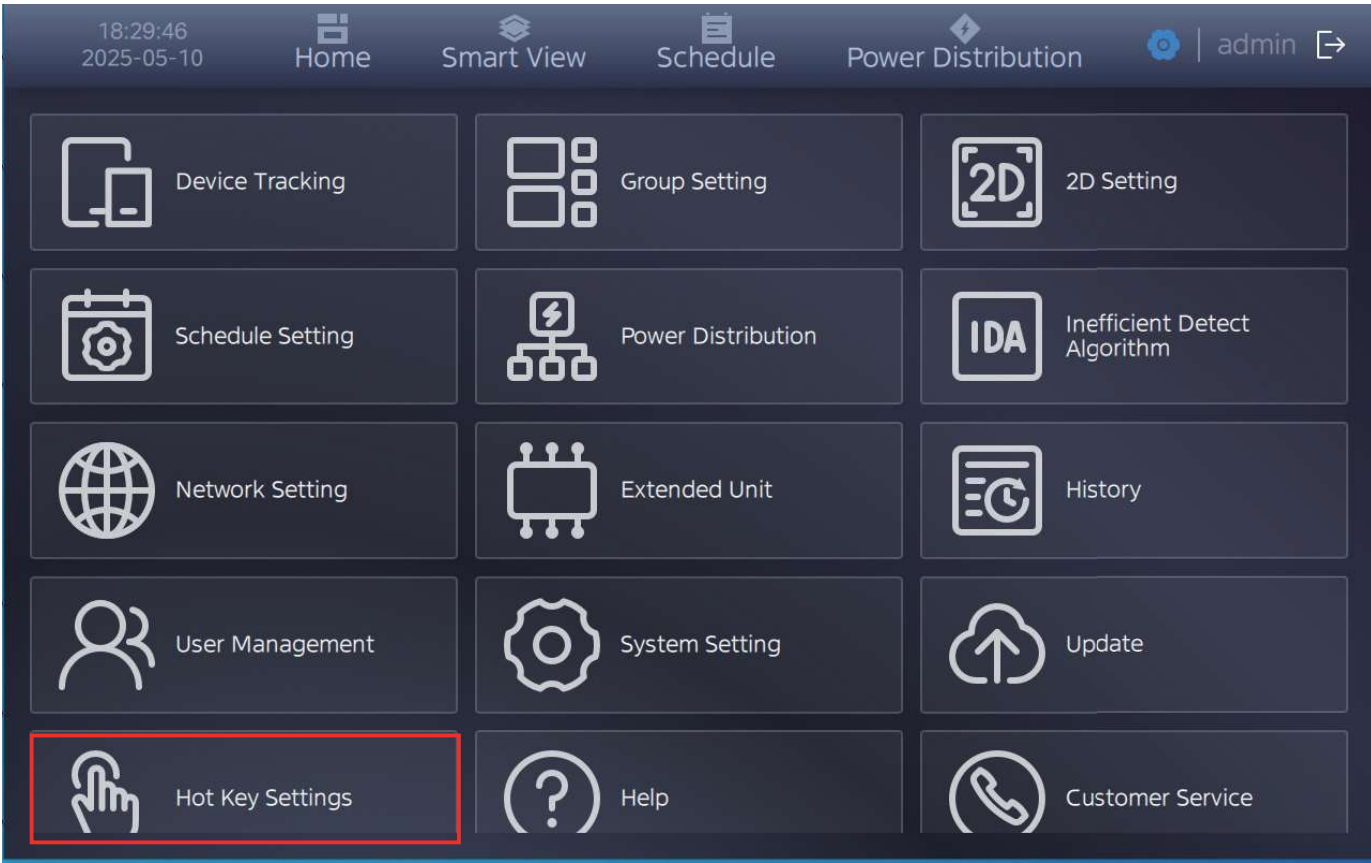
Fn2: Tap "Fn2" to view executable command options. After selecting a command, tap "Confirm" to control the associated devices according to your selected commands.

Notes: 1. Before using hot keys, configure them on the Hot Key Settings screen and associate devices; otherwise, the keys will not function.

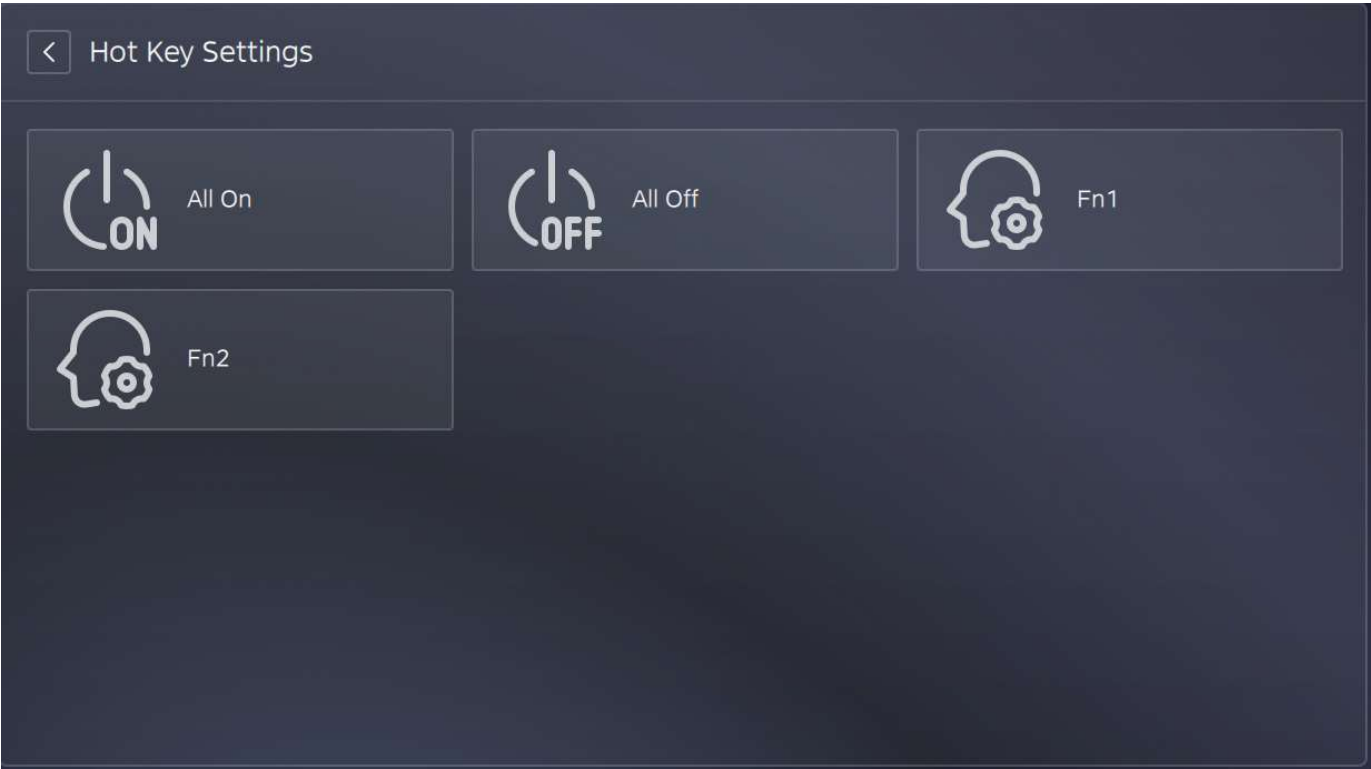
2. Tap "Hot Key Settings" on the settings panel to access the Hot Key Settings screen.

3. Fn1 and Fn2 can each store 4 commands. After you tap a hot key, the system will display the preset commands. If only one command is preset, the selection box will be skipped, and a confirmation dialog will appear directly. Tap "Confirm" to execute the command. If multiple commands are preset, a pop-up window will appear for you to select the desired command. The command will be executed only after you tap "Confirm".

Tap  in the upper right corner to open the settings panel, and then tap "Hot Key Settings" to access the Hot Key Settings screen.



The Hot Key Settings screen is as follows: You can set up four distinct hot keys: All On, All Off, Fn1, and Fn2.



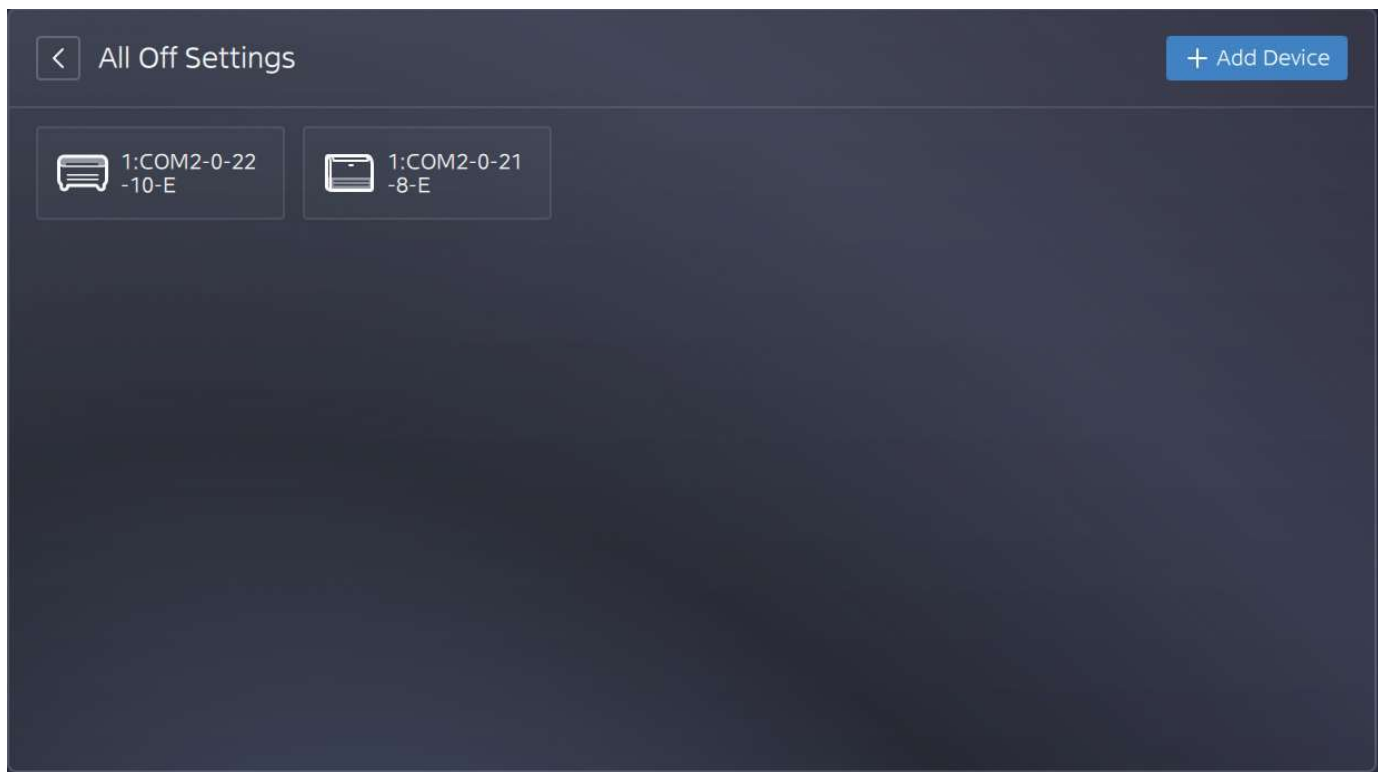
22.1 All On Settings

Select "All On" to enter the All On Settings screen. Initially, no devices are associated. Tap "+Add Device" to add devices that need to execute the "All Off" command. After adding the devices, tap "All On" on the right side of the screen to turn on the added devices.



22.2 All Off Settings

Select "All Off" to enter the All Off Settings screen. Initially, no devices are associated. Tap "+Add Device" to add devices that need to execute the "All Off" command. After adding the devices, tap "All Off" on the right side of the screen to turn off the added devices.



22.3 Memory Settings

The memory function is designed for some commonly used specific commands, and allows you to set up and create quickly executable operation commands based on high-frequency control scenarios.

Enter the Memory Settings screen.

Select a command. The system supports 4 commands. Tap the desired command to enter the command setting screen.

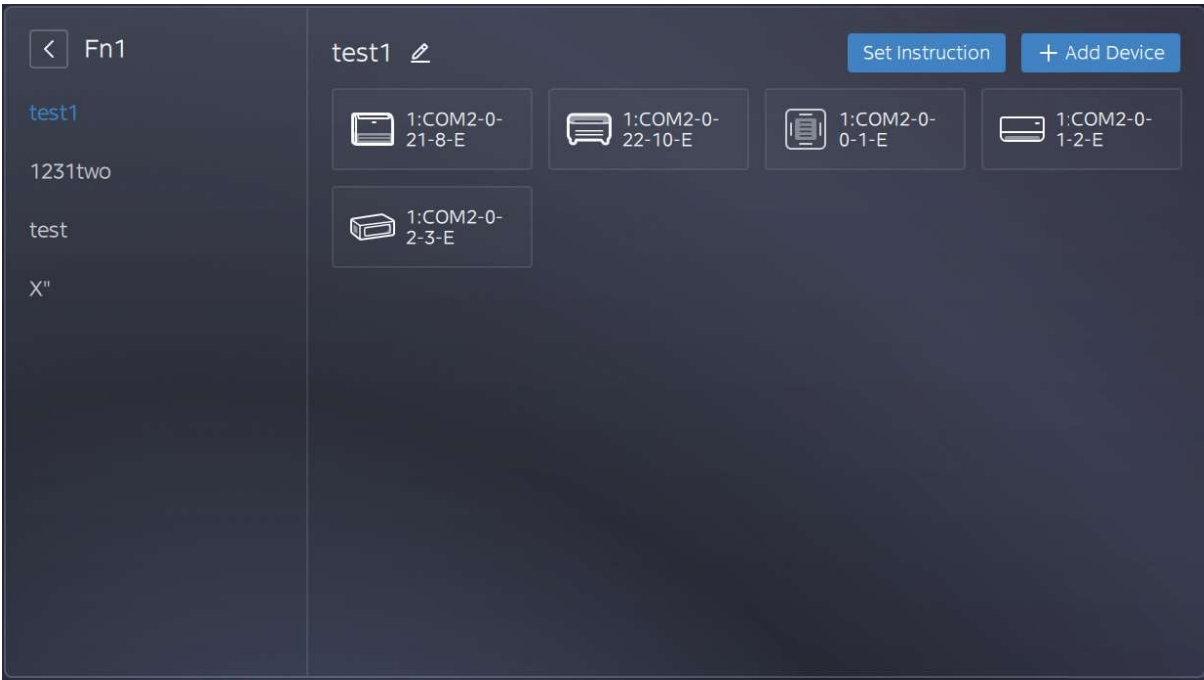
Tap  to modify the command name.

Tap "+Add Device" to add a device.

Tap "Set Instruction" to add a device control command. Control commands include on/off, mode, temperature, fan speed, and swing.

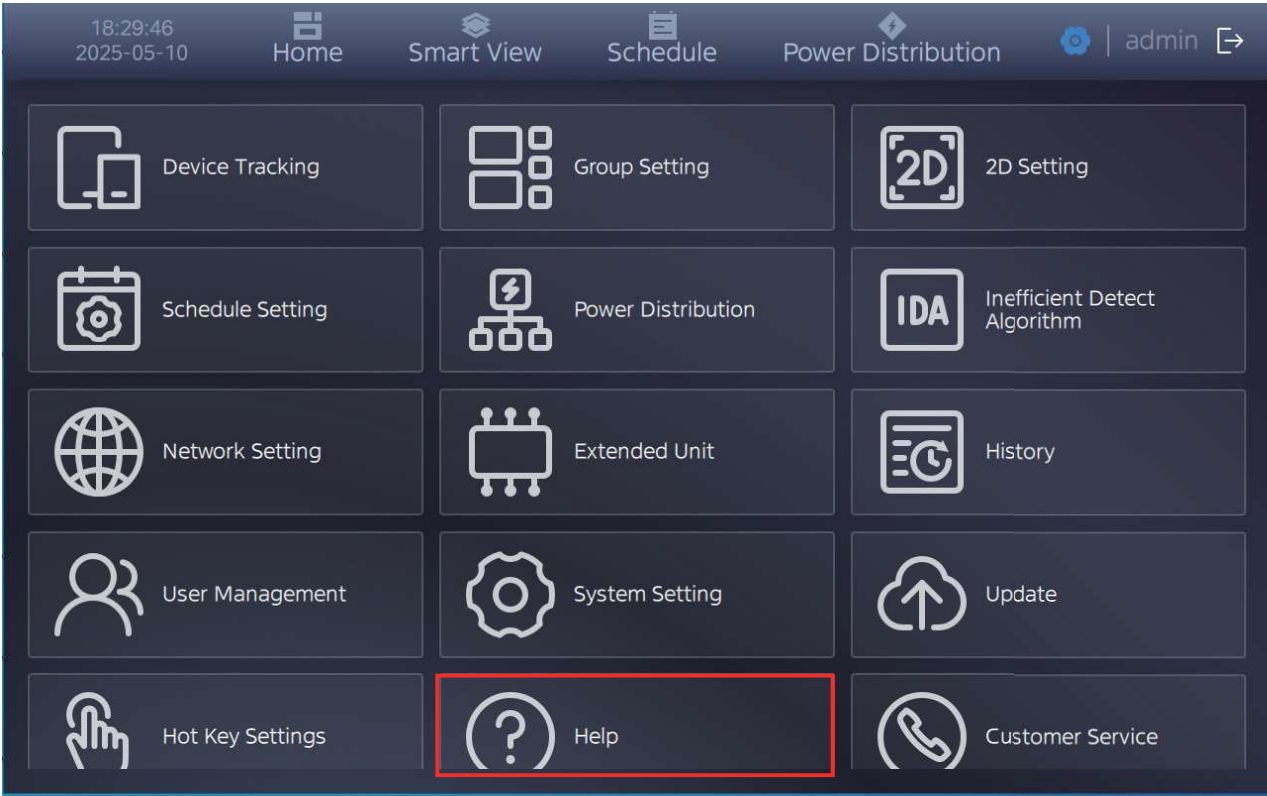
After completing the settings, tap "Fn" on the side to display the configured command, and then tap the command to execute the memory command.

Note: Devices of the same type share identical commands, while different types of devices can be configured with distinct control commands.



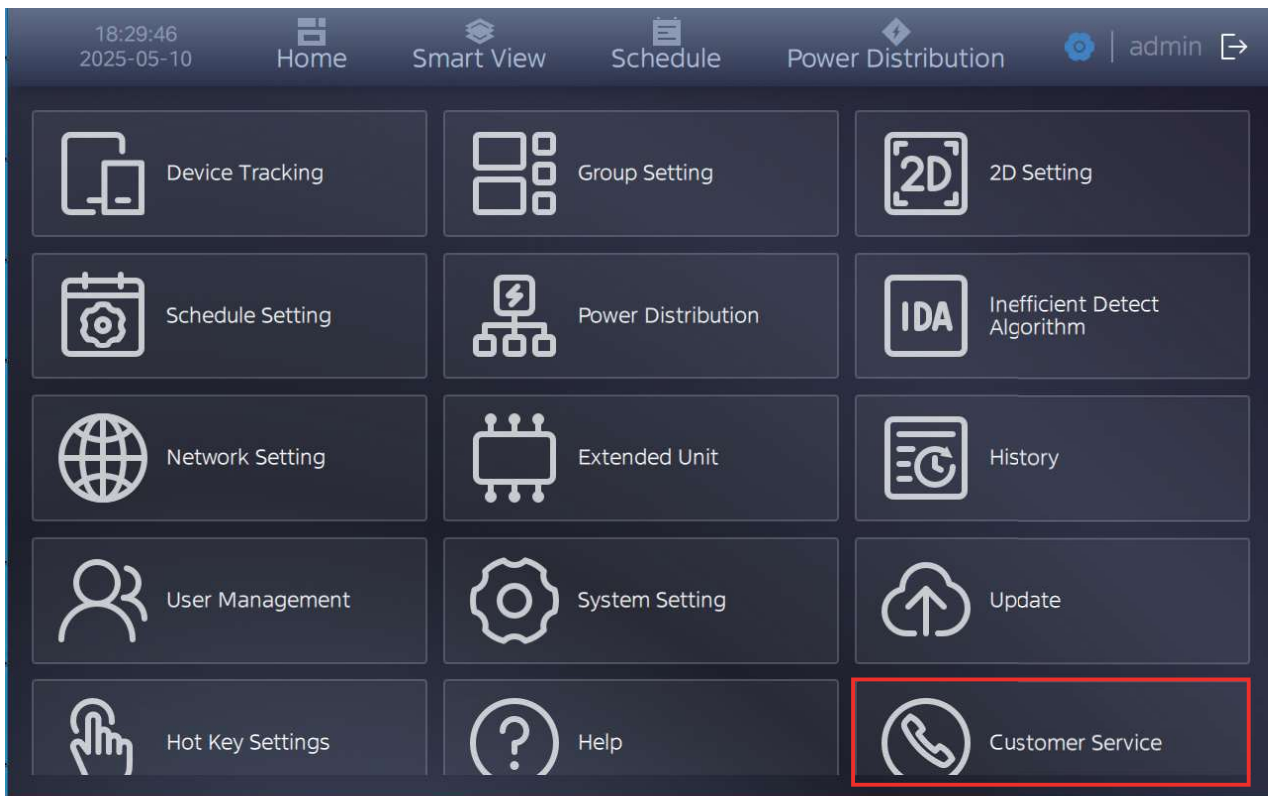
23. Help

You can access the detailed user manual for the IMM-Elite touchscreen controller in the Help menu. (The user manual may not be updated in a timely manner; actual features shall prevail.) Tap  in the upper right corner to open the settings panel, and then tap "Help" to access the Help screen.



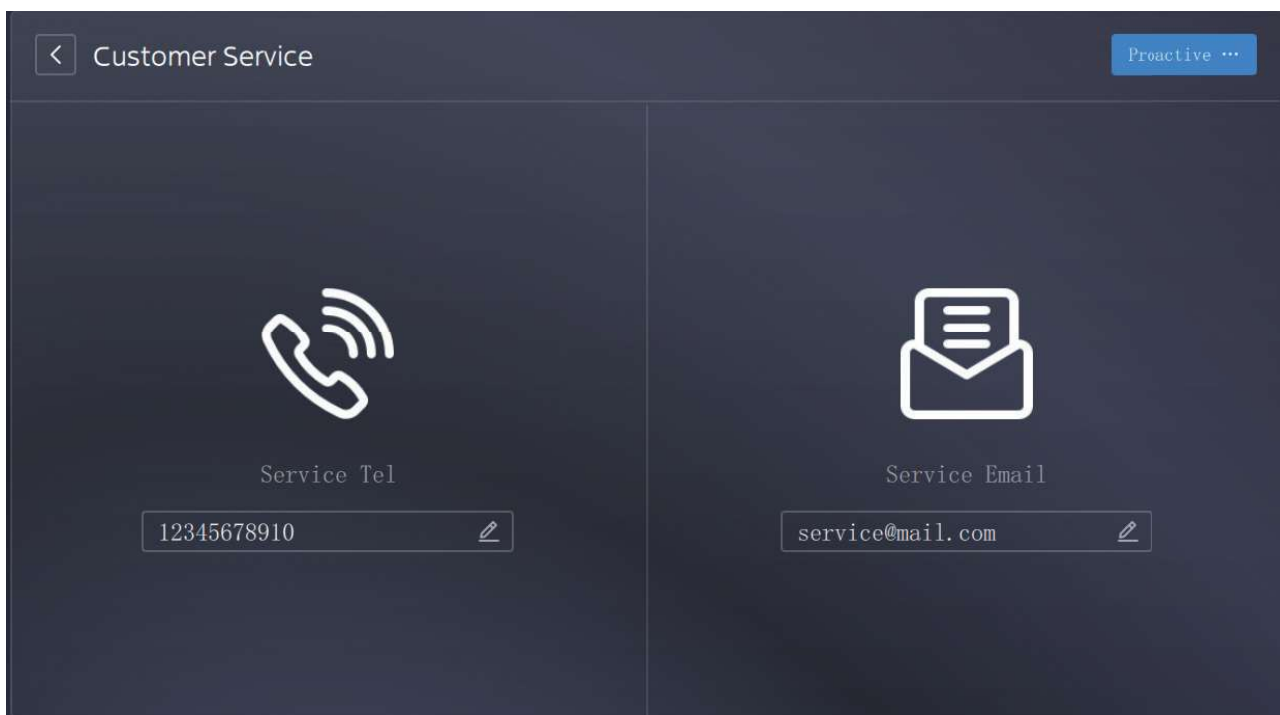
24. Customer Service

Tap  in the upper right corner to open the settings panel, and then tap "Customer Service" to access the Customer Service screen.



Service Tel and Email

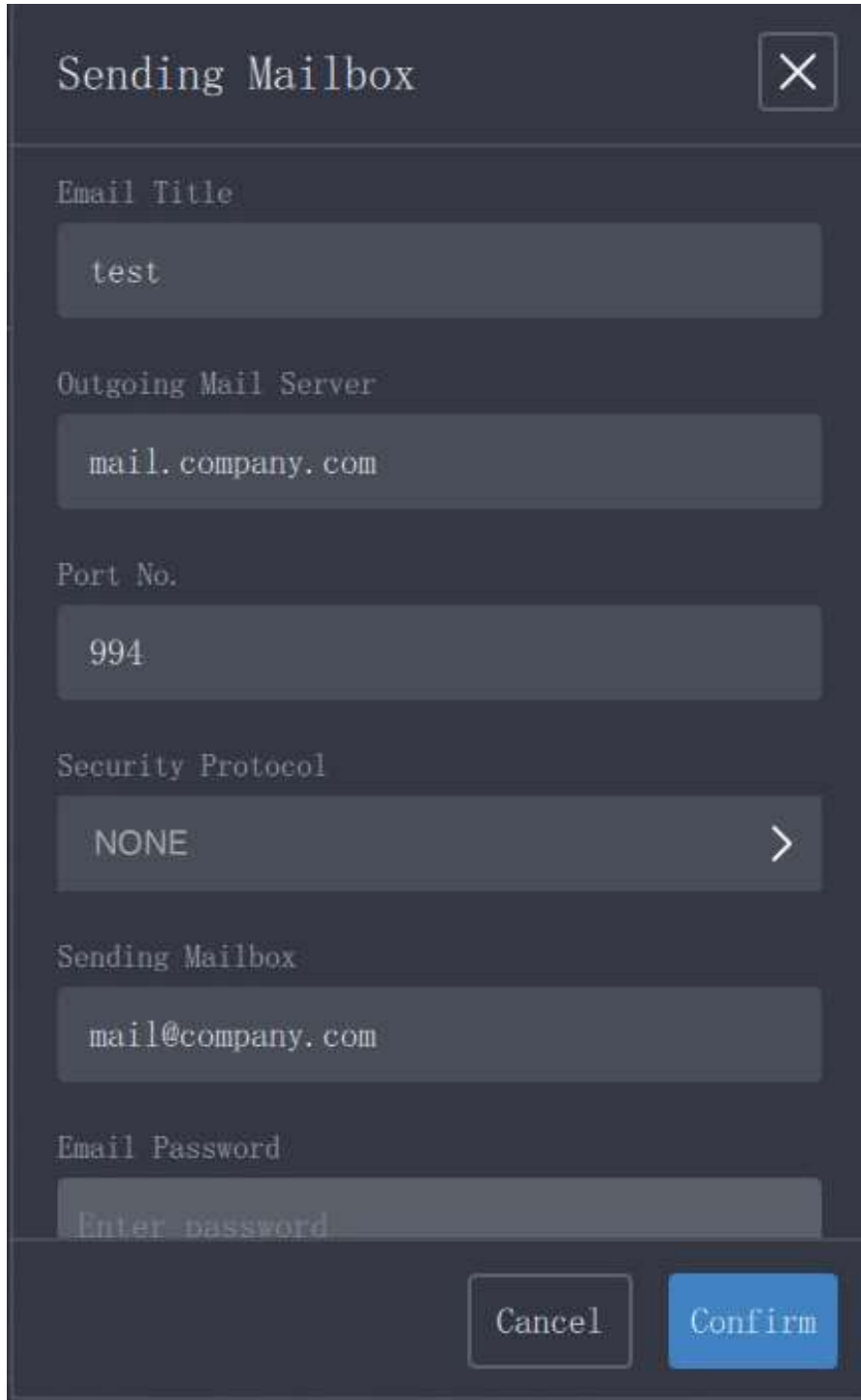
The Customer Service screen is as follows, where you can access the technical support phone number and email address. Both the phone number and email address are editable, with default values set to 1234567890 and service@mail.com respectively. The default phone number and email address are for reference only; please update them based on actual contact information.



Customer-initiated service

To enable the customer-initiated service function, both the sending and receiving email addresses must be configured.

To configure the sending mailbox, tap  to enter the Sending Mailbox screen. Fill in the email-related configuration items as required.



The image shows a 'Sending Mailbox' configuration screen with a dark background. At the top, the title 'Sending Mailbox' is displayed in white, with a close button (X) to its right. Below the title, there are several input fields and a dropdown menu, all with light gray backgrounds and white text. The fields are labeled 'Email Title', 'Outgoing Mail Server', 'Port No.', 'Security Protocol', 'Sending Mailbox', and 'Email Password'. The 'Email Title' field contains the text 'test'. The 'Outgoing Mail Server' field contains 'mail.company.com'. The 'Port No.' field contains '994'. The 'Security Protocol' dropdown menu shows 'NONE' and a right-pointing chevron. The 'Sending Mailbox' field contains 'mail@company.com'. The 'Email Password' field contains the placeholder text 'Enter password'. At the bottom of the screen, there are two buttons: 'Cancel' and 'Confirm'. The 'Confirm' button is highlighted in blue.

Email Title

test

Outgoing Mail Server

mail.company.com

Port No.

994

Security Protocol

NONE

Sending Mailbox

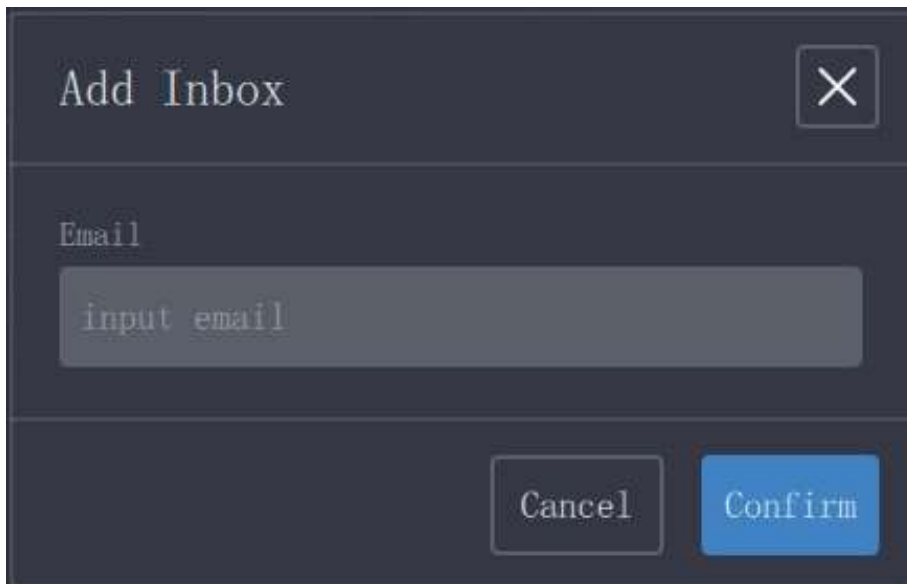
mail@company.com

Email Password

Enter password

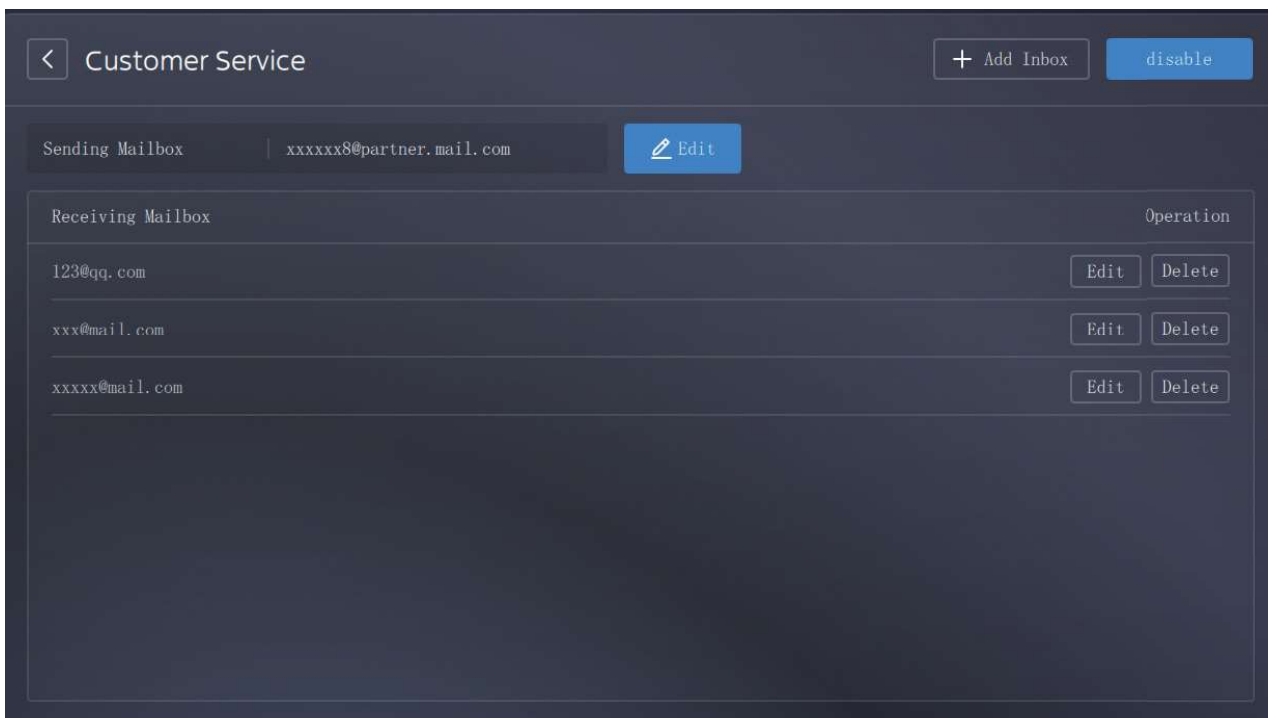
Cancel Confirm

Tap "Add Inbox" to open the editing screen. Enter the email address and tap "Confirm" to complete the addition of the recipient mailbox. Fault information will be automatically sent to the specified email address.



The image shows a dark-themed dialog box titled "Add Inbox" with a close button (X) in the top right corner. Below the title is a label "Email" and a text input field containing the placeholder text "input email". At the bottom of the dialog are two buttons: "Cancel" and "Confirm".

After configuration, the screen will appear as follows.



The image shows a dark-themed screen titled "Customer Service" with a back arrow on the left. In the top right corner, there are two buttons: "+ Add Inbox" and "disable". Below the title bar, there is a section for "Sending Mailbox" with the email address "xxxxxx8@partner.mail.com" and an "Edit" button. Below this is a table for "Receiving Mailbox" with an "Operation" column.

Receiving Mailbox	Operation
123@qq.com	Edit Delete
xxx@mail.com	Edit Delete
xxxxx@mail.com	Edit Delete

You can tap "disable" to turn off this feature.

Note: To ensure timely receipt of fault alerts, verify that: 1. The email information is correct. 2. The gateway is connected to a network with internet access.

Q&A

Common Issues and Solutions

Issue	Description	Solution
Unable to find a device	When you search for devices through the centralized controller, the centralized controller's information cannot be located, or the air conditioning device loses communication connections.	Check whether all ports are normally connected: 1. Check whether the centralized controller is normally connected to the power supply. 2. Check whether the IDU and ODU are correctly connected to the power supply. 3. Check whether the X and Y terminals on the ODU control board are correctly connected to those of the centralized controller's RS485 port. If communication fails, reverse the connection and try again.

IMM-Elite Controller and M0 Gateway Collaboration

To use the IMM-Elite centralized controller together with the M0 gateway, you need to configure the network to ensure that both the controller and gateway are on the same network.

Connection method	Description	Remarks
Static IP setting	Set a static IP address for the IMM-Elite centralized controller.	Suitable for local LAN connections using a network cable to access the M0 gateway network.
Dynamic IP setting	Configure the IMM-Elite centralized controller to dynamically obtain an IP address.	The centralized controller will automatically receive an IP address from the router. When the static IP address is switched to a dynamic one, you must reconnect the IMM-Elite centralized controller.

Notes: 1) When the IMM-Elite centralized controller works with the IMMPROII system and is connected to the M0 gateway, it should be on the same network as the M0 gateway.
2) When a static IP address is used, it should not conflict with that of any other device within the LAN.

Appendixes

IDU Models and Icons

Model Code	Icon	Name
1		Four-way Cassette
2		Wall-mounted Unit
3		Medium Static Pressure Duct
4		Low Static Pressure Duct
6		High Static Pressure Duct
7		Compact Four-way Cassette
8		Ceiling & Floor
9		Floor Standing (concealed)
10		Floor Standing
11		Fresh Air Processing Unit
13		HRV
14		One-way Cassette

15		Two-way Cassette
20		Fresh Air Processing Unit
21		AHU-KIT
24		AHU-KIT

Warning Codes

Warning Code	Description
W01	Abnormal communication with gateways and connection failure between gateways (available when connected to IMMprllo)
W02	Insufficient storage capacity (over 90% capacity is occupied)
W03	Abnormal ammeter reading
W04	ODU program version No. lower than 16
W05	Failure to recognize the old IDU refrigerant system No.



Caution: The user is cautioned that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC RF Radiation Exposure Statement

To comply with FCC RF exposure compliance requirements, this grant is applicable to only Mobile Configurations. The antennas used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

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

ISED:

ISED warning in user manual

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

1. This device may not cause interference.
2. This device must accept any interference, including interference that may cause undesired operation of the device.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

1. L'appareil ne doit pas produire de brouillage;
2. L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

This equipment complies with IC RSS-102 radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 cm

between the radiator and any part of your body.

Pour se conformer aux exigences de conformité CNR 102 RF exposition, une distance de séparation d'au moins 20 cm doit être maintenue entre l'antenne de cet appareil et toutes les personnes.

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版本更换明细（ 本页不出菲林， 仅作为电子文档说明 ）

印刷技术要求

材质	封面封底：双胶纸120g 正文：双胶纸80g
规格	145*200mm
颜色	黑白印刷
其他	/

A-B
更改P6、 14、 、 41、 57、 65、 69、 100

