# bCON-APP

## User Manual

( V0.1.1)

# Revision History

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| 0.1.1 | 20250218 | E | | WDL |

(A - Add, E – Edit, M - Modify, D - Delete)

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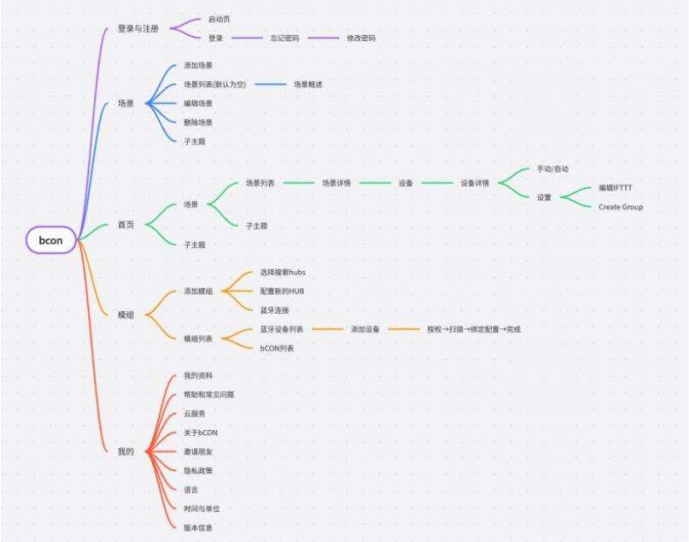
# 1 Product Introduction

## 1.1. Product Introduction

The bCON mobile app client is a blue device and gateway hub IoT management platform.

## 1.2 System (Business) Function Diagram




## 1.3 Installation and initialization

This software adopts a C/S architecture and requires users to manually install it. It can be accessed through mobile or computer browsers

Entering（ https://www.pgyer.com/iyBGDO ）You can access the download link and click on 'Download' and 'Install' to proceed with the installation

Package.

## 1.4 Explanation of Terms and Abbreviations

Full name/description

Abbreviations/Terminology

# Quick Start of System 2

## 2.1 Registration and Login

Show the basic information of the account logged into Alipay, including obituary information, security product information, and association

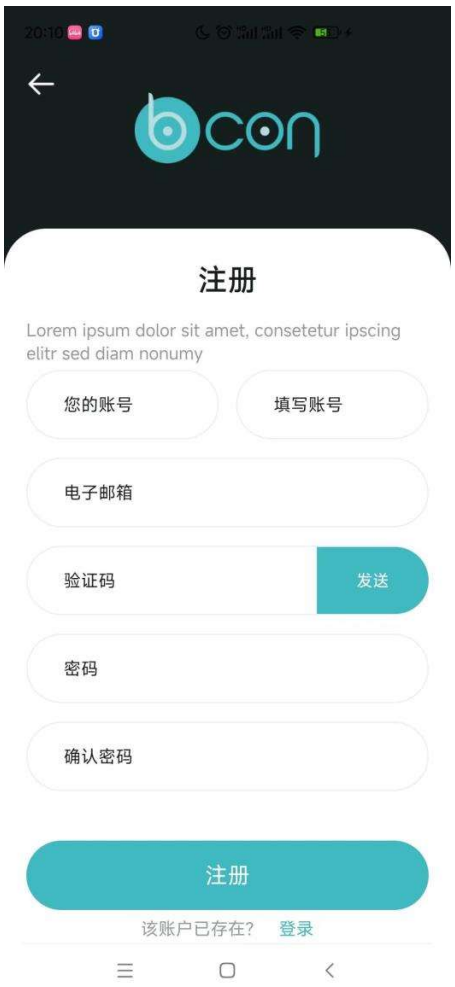
Provide evidence of account information and functional connections related to the account.

### 2.1.1 User Login

After installing the app, enter your account and password (as shown in the demo), and click the "Login" button,

Jump to the homepage (as shown in the figure below), different roles will see different pages. If there is no account password, you can click on 'Note'

Register first! If you forget your password, you can click "Forgot Password" to register first!



### 2.1.2 User Registration

Registration requires preparing an available email account, which needs to be verified with an email verification code before it can be used

Registration, account passwords support Chinese, numerical, matching, and combination methods.

Operation path: Login → Register.

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Registration requires preparing an available email account, which needs to be verified with an email verification code before it can be used

Registration, account passwords support Chinese, numerical, matching, and combination methods.

Operation path: Login → Register.

2.1.3 Forgot Password and Reset Password

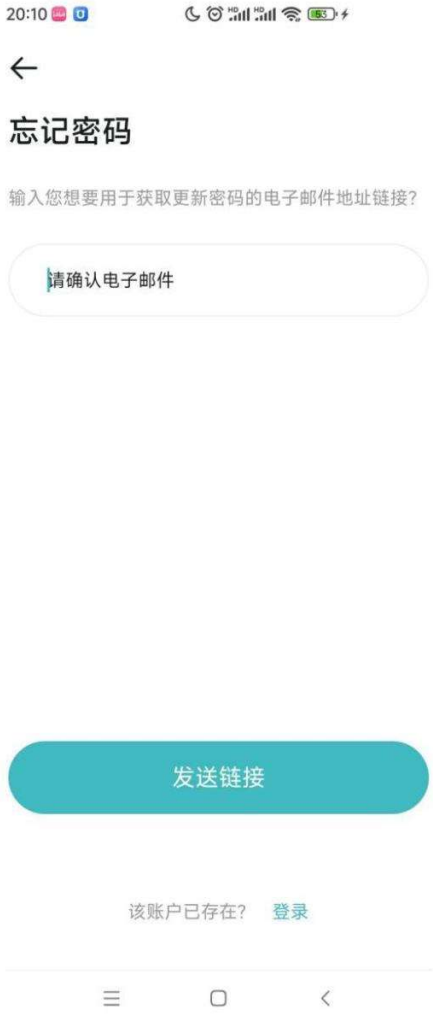
If you forget your password, you need to enter the email address you registered with. After entering it, click send email and the system will verify it before sending

Send an email to your mailbox. The page automatically redirects to the password modification interface, where you need to enter your email verification code and new password

After confirming the password, click "Confirm". If the system verifies correctly, it will automatically return to the login page. If the verification code verification fails

It will prompt 'input error, please re-enter the verification code'.

Operation path: Login → Forgot Password → Reset Password, as shown in the following figure.



## 2.2 Homepage

### 2.2.1 Scene List

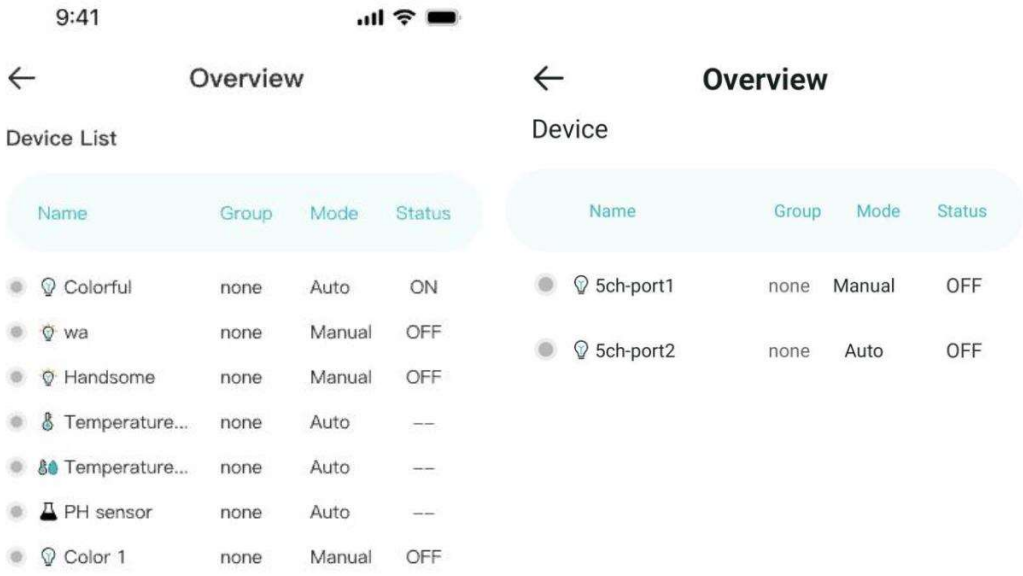
If the scene has not been created, the scene needs to be created first [see Chapter 2.4]; If the scene has already been created, it will
Display scene information and device status, click on the corresponding scene hotspot to enter scene details.

Operation path: Login → Home page, as shown below.

2.2.2 Overview of the Scene

This will display a list of devices and other information. If a device has not been created, you can first create it [see Chapter 3.1];
If the device has already been bound, the device information bound to the scene will be displayed.

Operation path: Login → Home → Select Scene → Overview, as shown in the following figure.

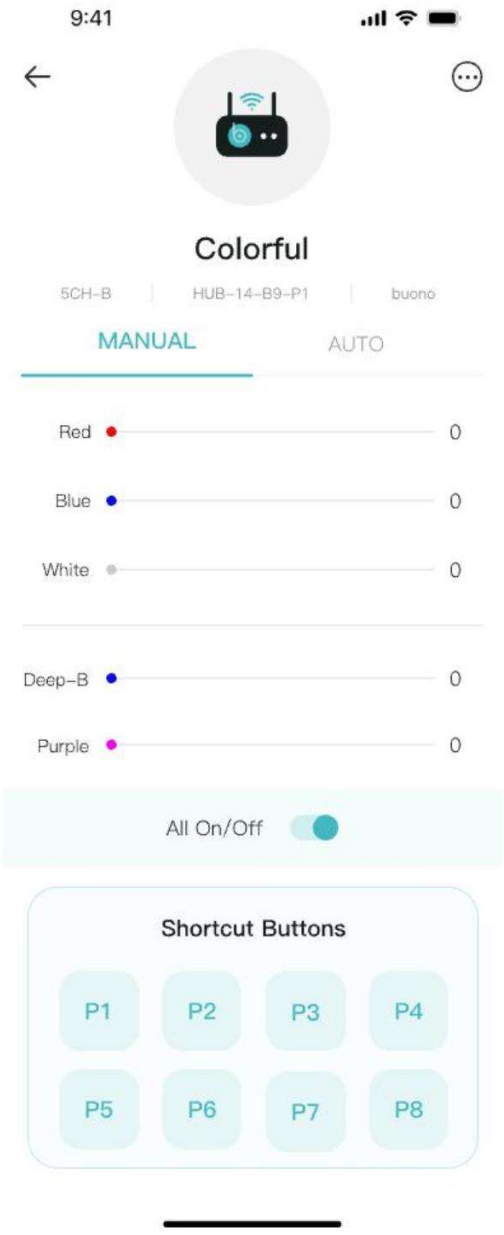


2.2.2 Equipment Details

Here, detailed device information will be displayed, including manual and automatic settings, and pop-up prompts for settings.

(1) Manual setting

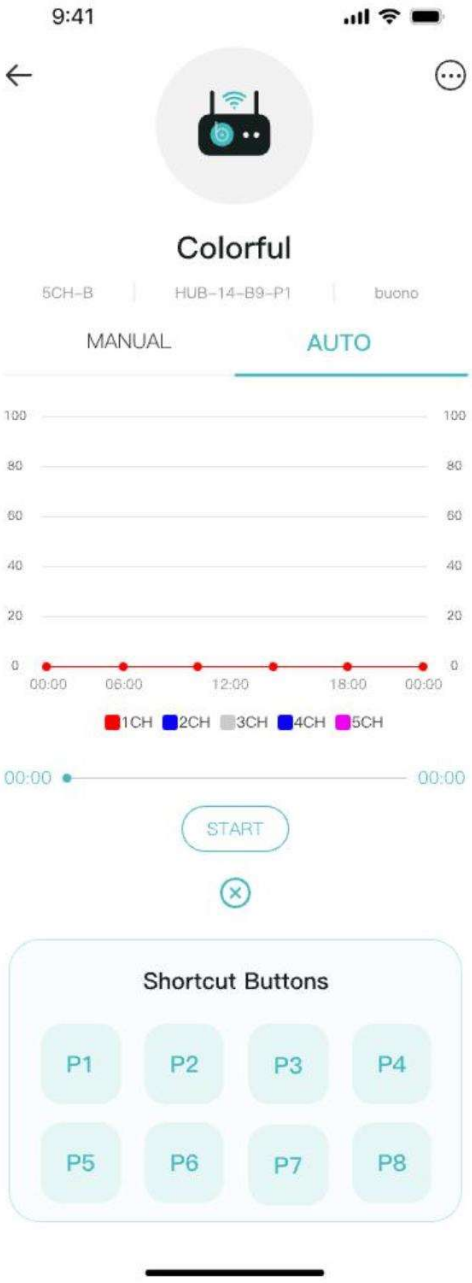
Manual settings include color value settings, shortcut button settings, etc!
Operation path: Login → Home → Select Scene → Overview → Device Details → Manual Settings, as shown in the following figure.



(2) Automatic setting

Manually set automatic timer settings, etc. Click "Edit Timer" to enter the editing page!

Operation path: Login → Home → Select Scene → Overview → Device Details → Automatic Settings, as shown in the following figure.

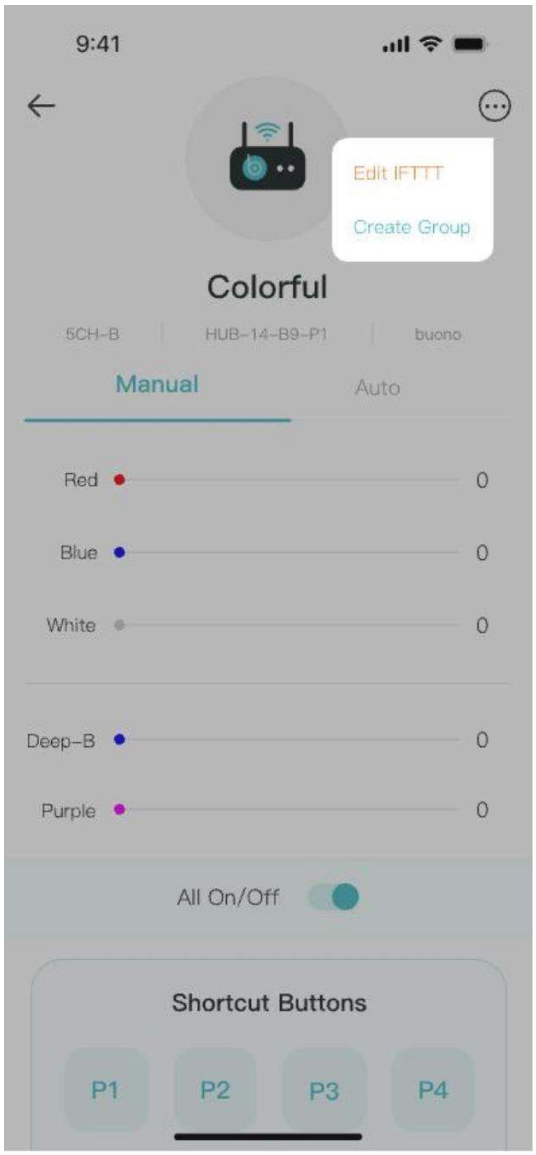


(3) System pop-up notification editing

Click on "..." to select IFTTT and Create Group!

Operation path: Login → Home → Select Scene → Overview → Device Details → "..." in the upper right corner, as shown in

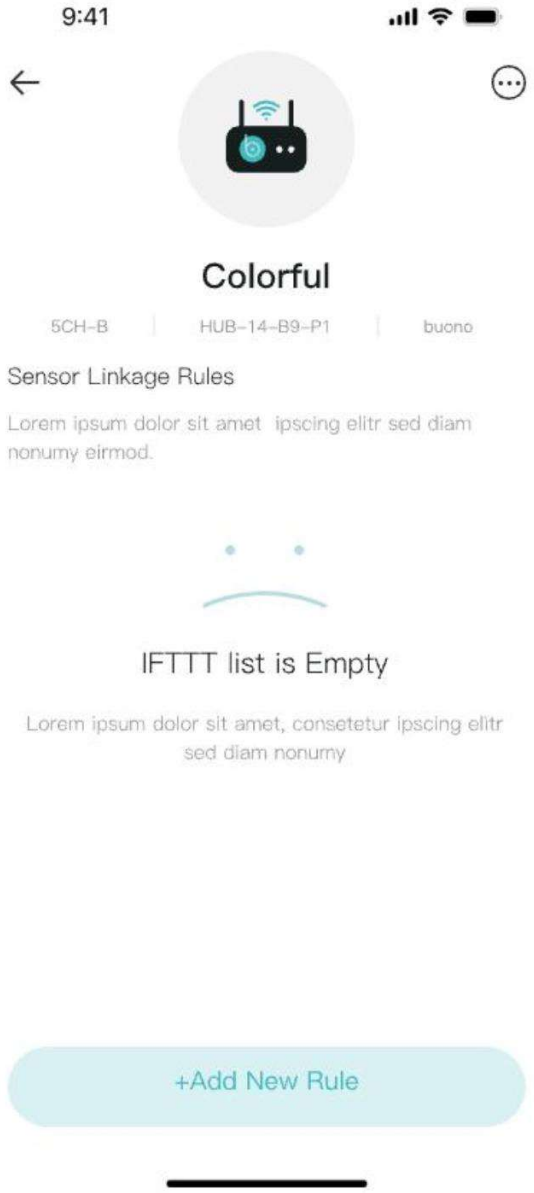
The following picture.



(4) Edit IFTTT

1) Default is empty, new rules can be created)

Operation path: Login → Home → Select Scene → Overview → Device Details → Edit IFTTT, as shown below.



2) Water level editing

Operation path: Login → Home → Select Scene → Overview → Device Details → Edit IFTTT → Water Level Editor- Edited,.

3) Temperature editing

Operation path: Login → Home → Select Scene → Overview → Device Details → Edit IFTTT → Temperature Editing

Edited, as shown in the following picture.

4) PH Editor

Operation path: Login → Home → Select Scene → Overview → Device Details → Edit IFTTT → Water Level Editor

Edited, as shown in the following picture.

(5) Create Group

1) Default is empty, groups can be created

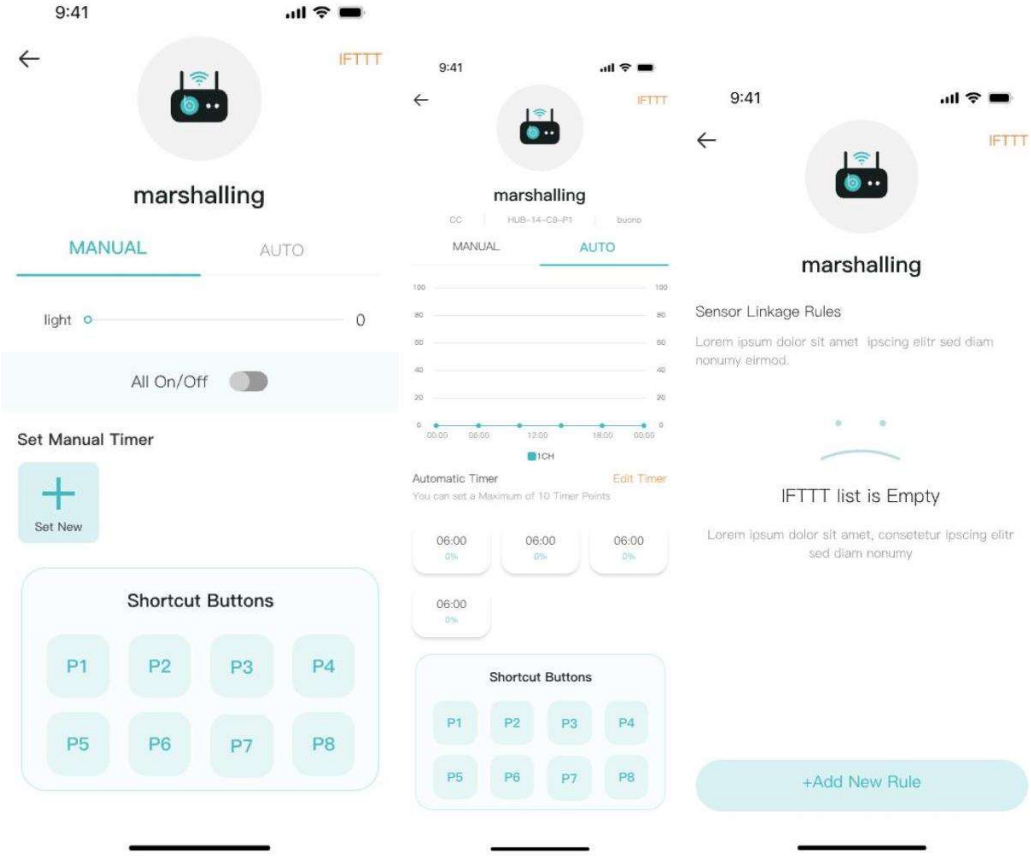
Operation path: Login → Home → Select Scene → Overview → Device Details → Create Group.

2) Create Group Configuration, where manual settings can be made

Automatic IFTTT!

Operation path: Login → Home → Select Scene → Overview → Device Details → Create Group → Open,

As shown in the figure below.



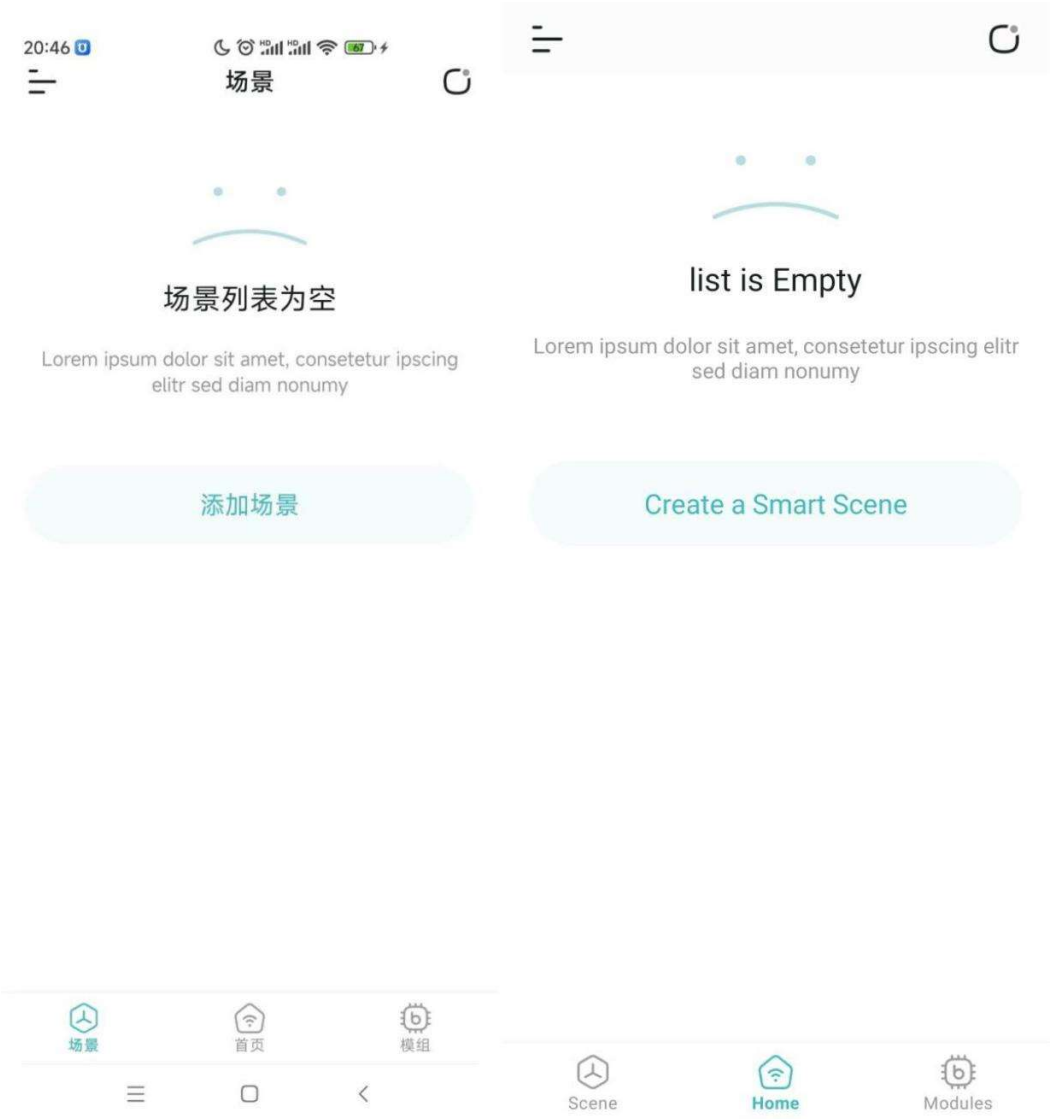
## 2.3 Scene

### 2.3.1 Scene List (empty)

The system defaults to an empty scene. You need to add a scene before proceeding to the next step. You can click "Add"

Add Scene "button to add a scene.

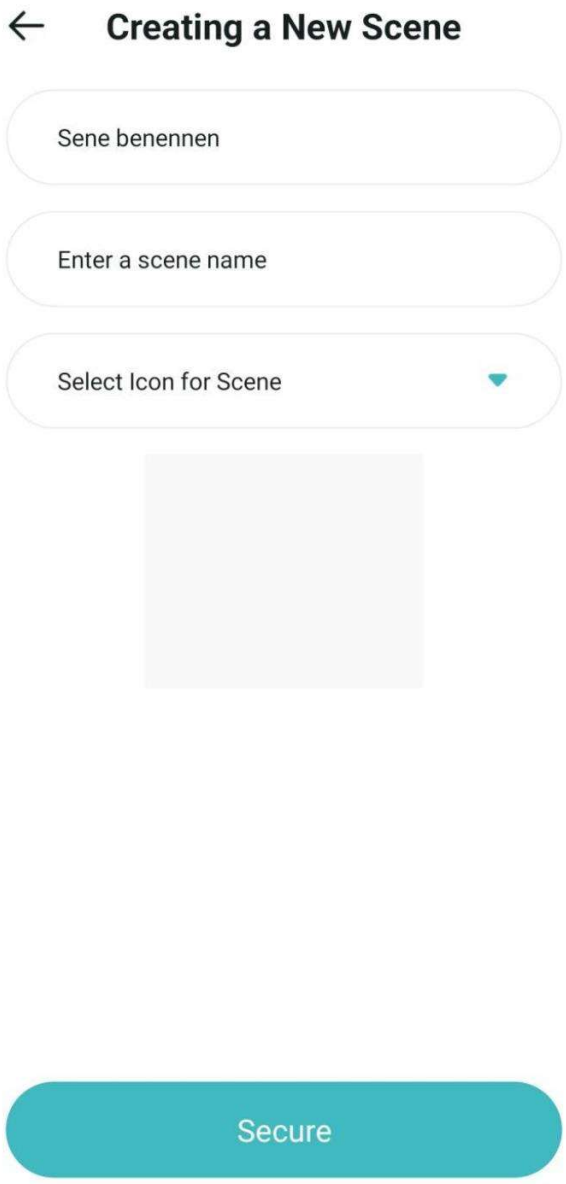
Operation path: Login → Scene, as shown in the following figure.



2.3.2 Adding Scenes

This function mainly provides the creation of scene paths;
The system defaults to an empty scene. You need to add a scene before proceeding to the next step.

Operation path: Login → Scene → Add Scene, as shown in the following figure.



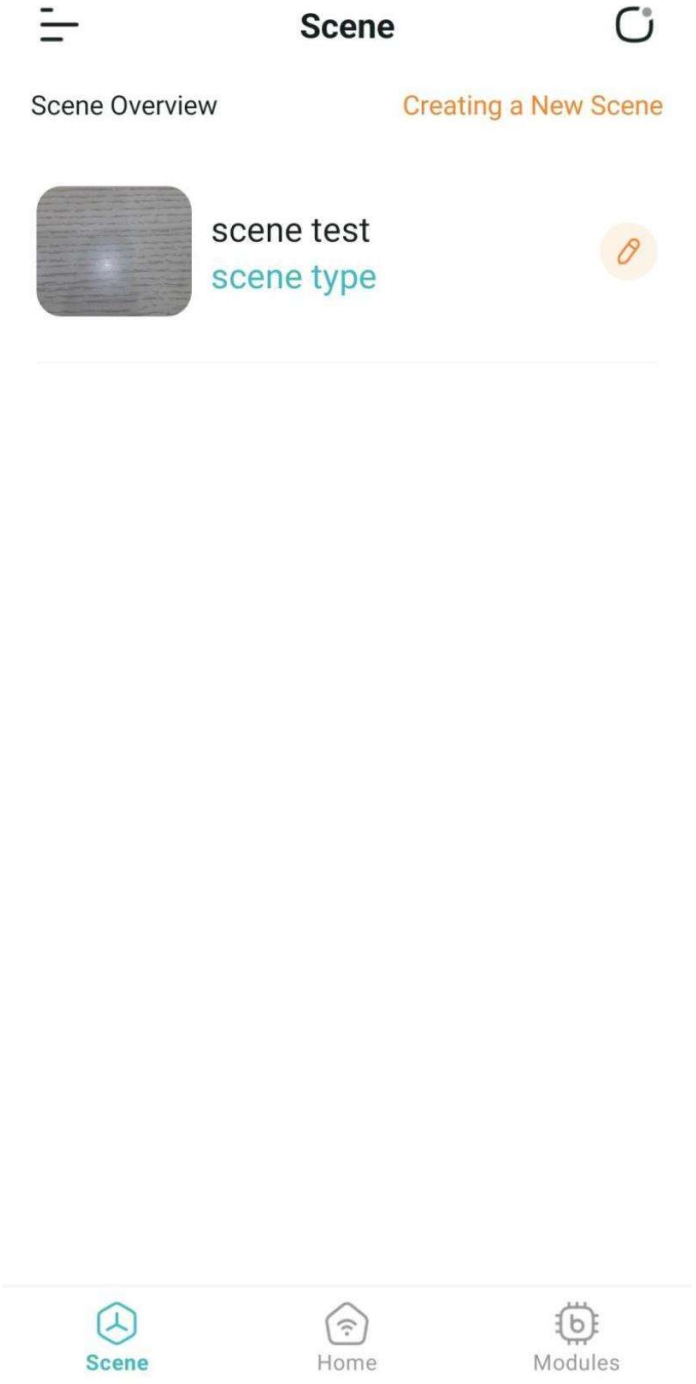
2.3.3 Scene List

This function mainly provides a list of all scene displays;
At this point, you have created at least one scene and can view a list of all scenes; You need to add a field

Only then can we proceed to the next step. Click on 'New Scene' to add a scene again, and click on the corresponding 'Edit' button for the scene

You can view the details and make modifications to it by editing it! Swipe left to display the 'Delete' button for the corresponding scene!

Operation path: Login → Scene, as shown in the following figure.



2.3.4 Editing Scene

This function mainly provides the ability to modify scene information;

If there are any information errors or changes at this time, you can modify the corresponding information and finally click "Save" to save it

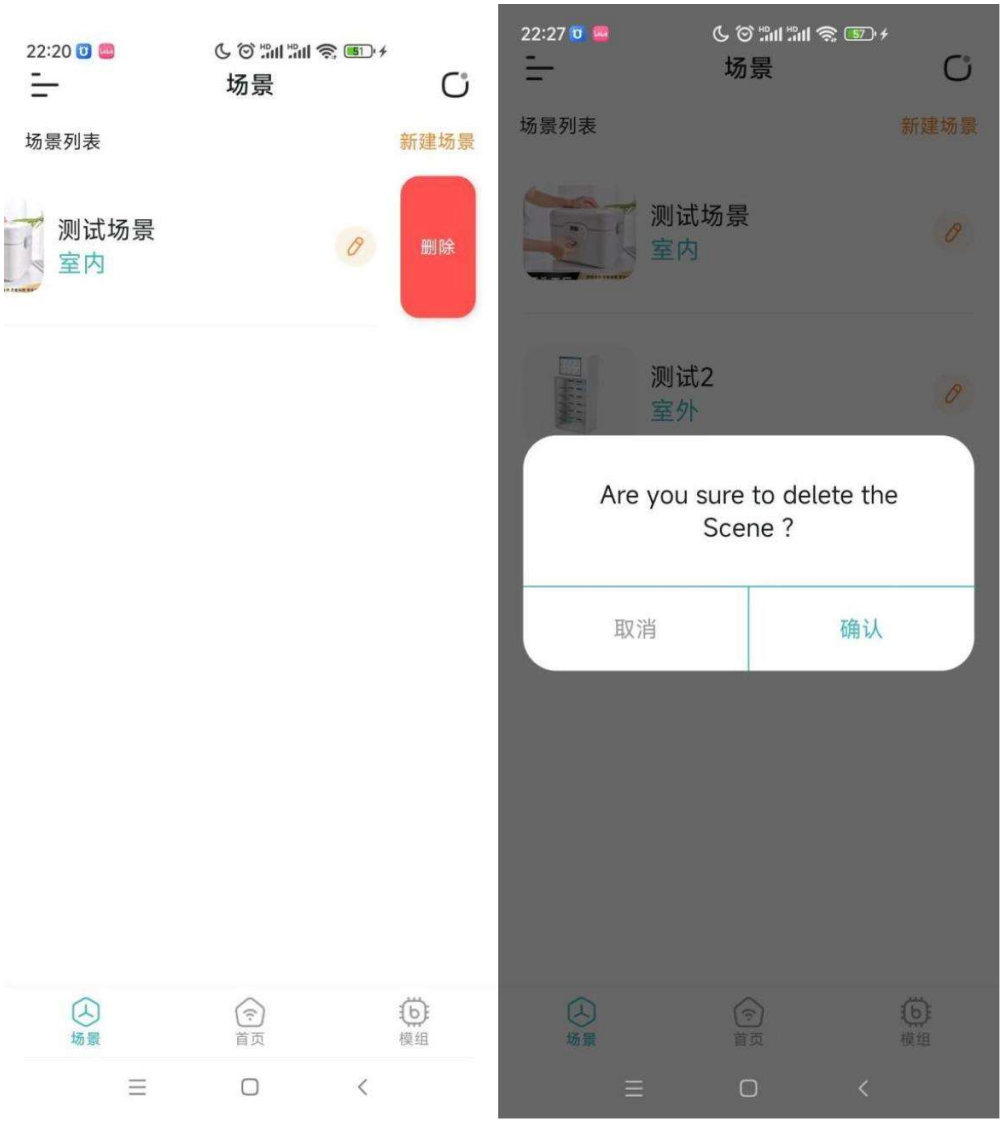
In the database!

Operation path: Login → Scene → Edit Scene, as shown in the following figure.

2.3.5 Delete Scene

This function mainly provides the requirement for deleting scenarios;
Swipe left on the corresponding scene with the gesture, and the button will appear. Click the "delete button", and the system will pop up a warning prompt Box, you need to click "confirm" twice to successfully delete this scene!

Operation path: Login → Scene → Left swipe corresponding scene → Delete, as shown in the following figure.



2.3.6 Scene Details

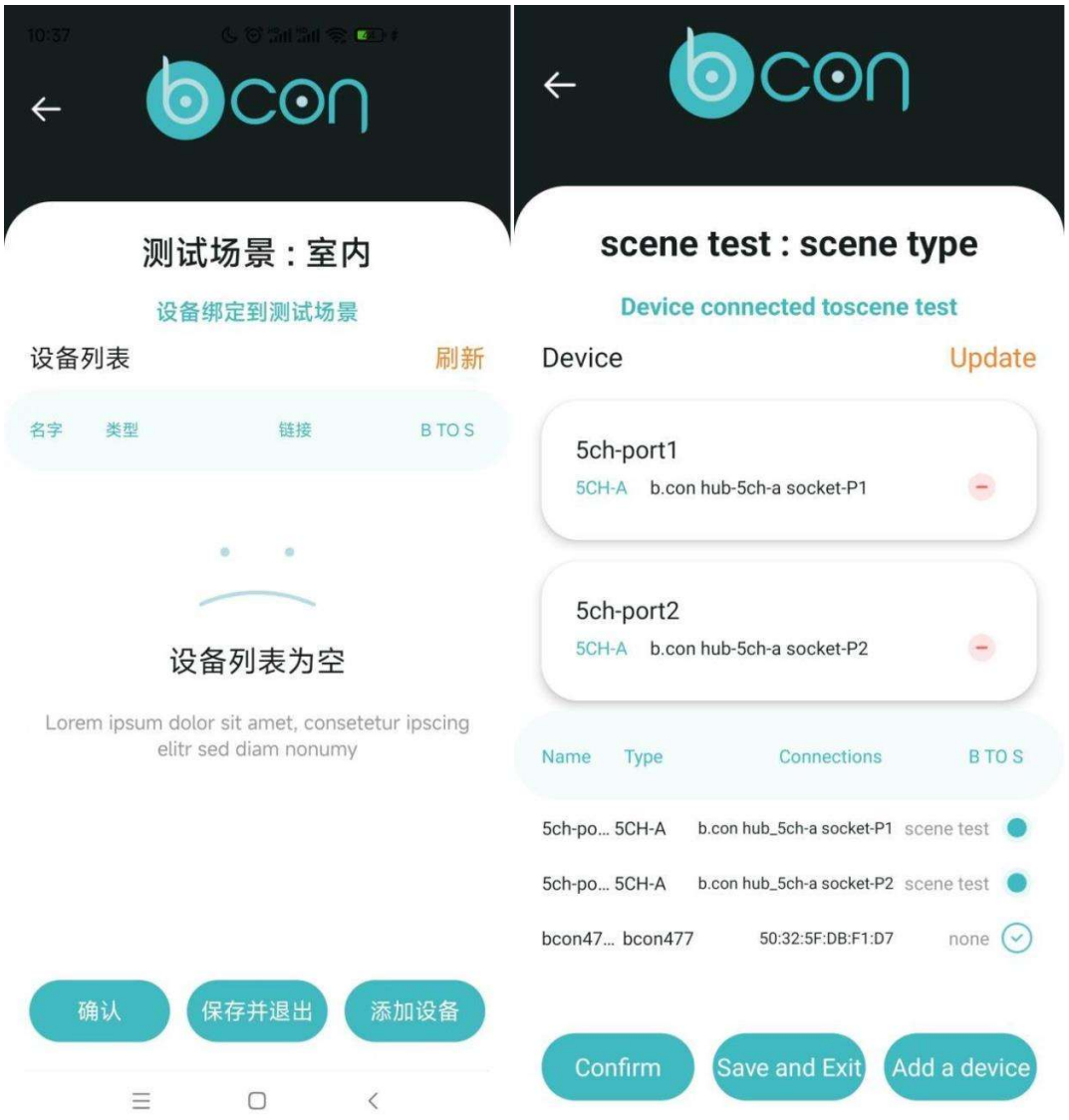
When the device is not bound, the default device list in the scene details is empty; If the device has been bound, you can see the List of bound devices required;

Click 'Refresh' to refresh the data, click '-' to unbind from the scene, click 'OK'

Automatically return to the previous level, click "Save and Exit" to save and return to the previous page, click "Add Device"

Jump to the page for adding devices!

Operation path: Login → Scene → Scene Details Hot Zone → Scene Details, as shown in the following figure.



## 2.4 Module

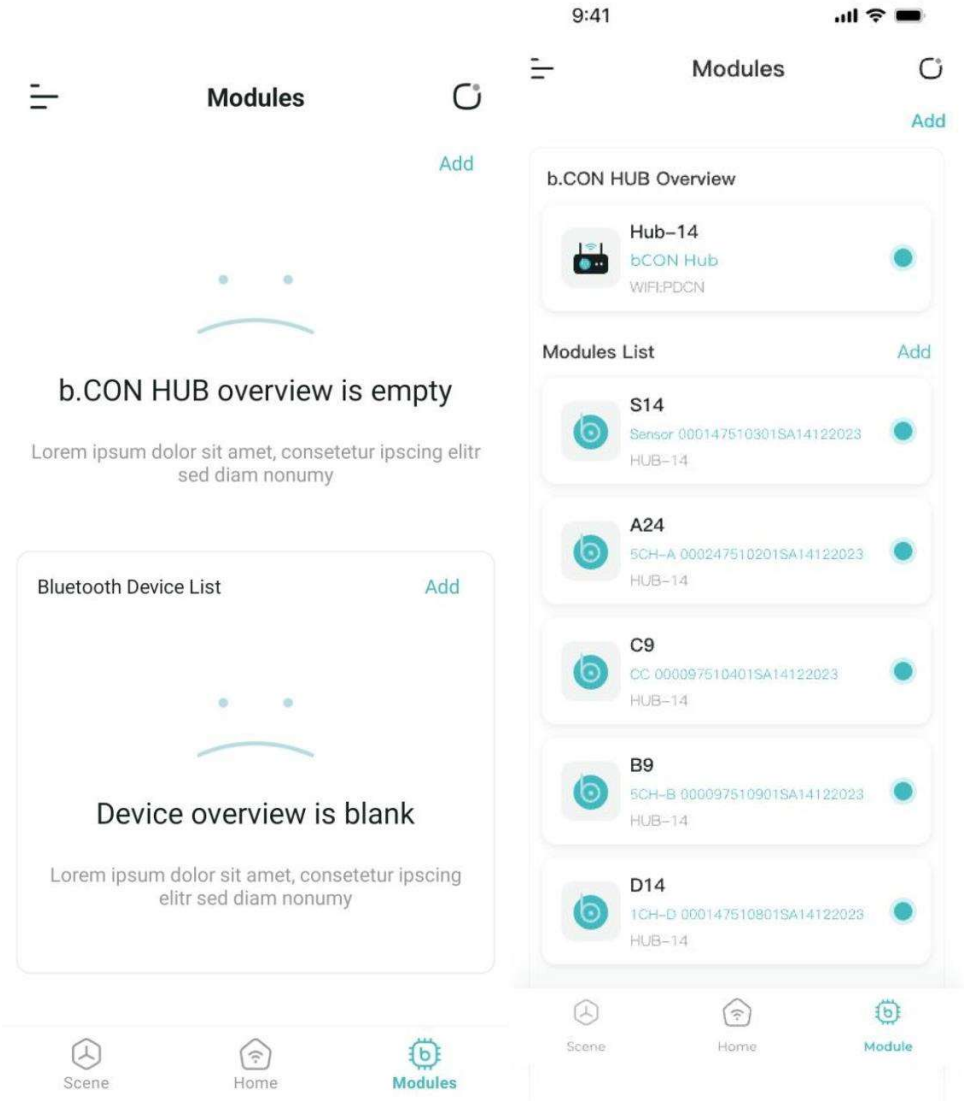
### 2.4.1 Module List

The default module is empty. You need to first create a module (Bluetooth/bcCON) and add a device;  If it has already been created

Modules and equipment, see Figure 2;  The module list, bound device list, and connection status will be displayed. Click again

Click "Add" in the upper right corner of the module to create a new module, and click "Add" in the list to add devices of that module type.

Operation path: Login → Forgot Password → Reset Password, as shown in the following figure.



2.4.2 Adding Module Devices

The default hub is empty..

(1) Add BCON Hub

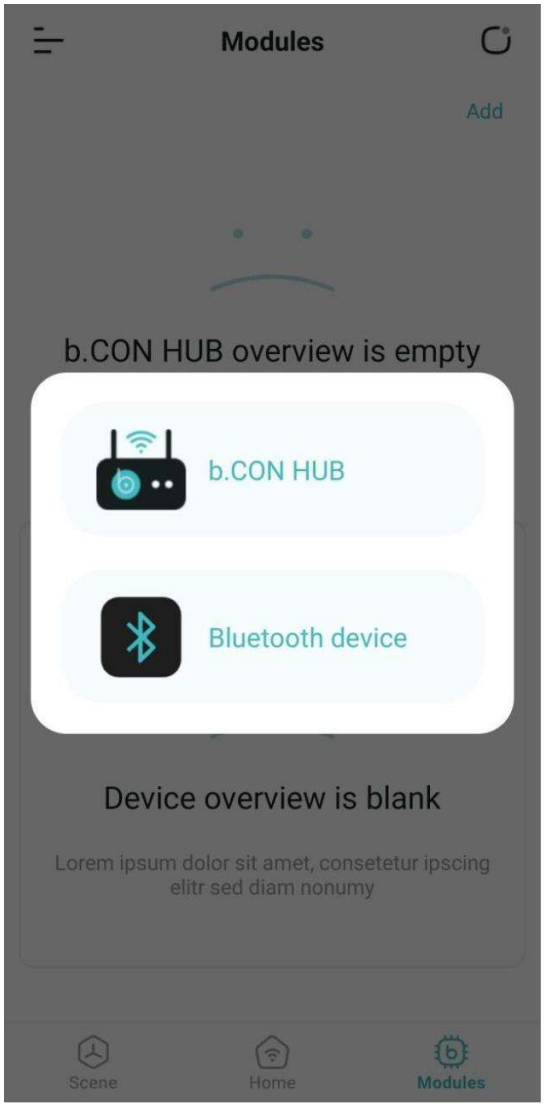
After clicking on the "add" module, it will pop up. The module selection is shown in Figure 1, and you can choose bCON HUB (gateway) to add it

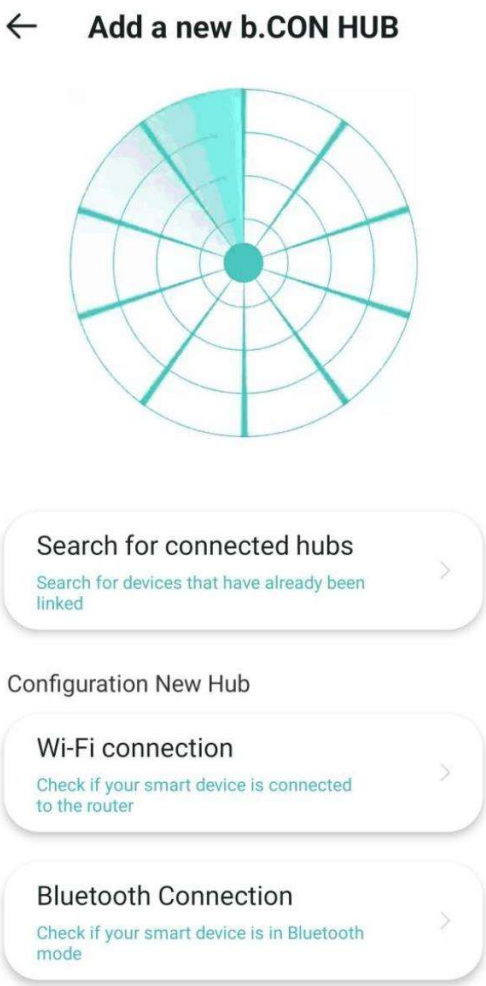
Add; At this point, the system will redirect to the add method selection page (please enable the Bluetooth function of your phone first); Currently, there are three options available

Select the connection operation, you can choose to search for connection hubs, you can choose to configure hubs for wifi (requires support for wifi mode)

Block), Bluetooth connection can also be selected (the device needs to support the BLUETOTH module)

Operation path: Login → Module → Add Module HUB → Select Connection Method, as shown in the following figure.



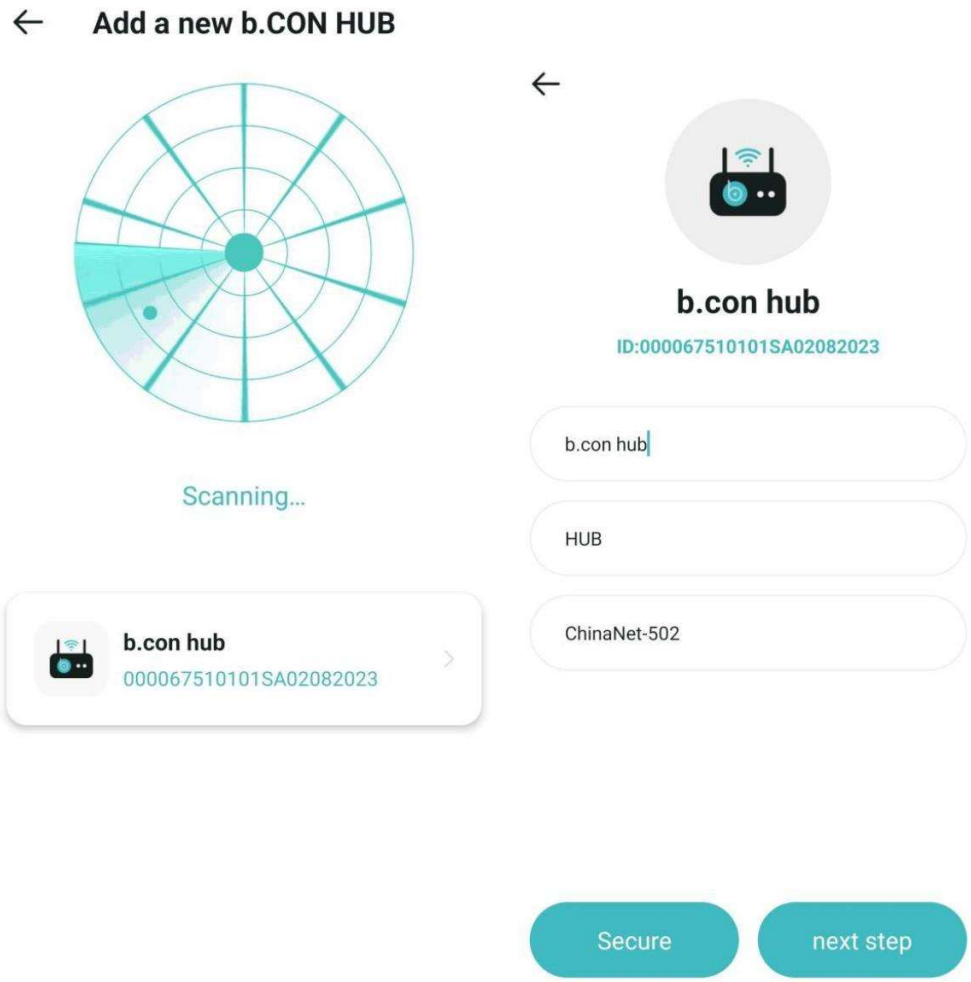
(2) Search for connection to bcon hub

After selecting search bcon hub, the search will automatically start, and the search results will be displayed in the list below. Click

Click on a Hub to configure its information. Once the configuration is complete, click "next step" to jump to the Hub

Details! Operation path: Login → Module → Add Module Hubs → Auto Scan → Select Hub → Configure Hub →

Hub details → Module automatic search, as shown below.




Hub device details: The default Modula list is not empty, and the hub will actively search for related devices

Search and add: After the search results appear, select the corresponding device (click "+") to add it; Like adding

Add 5ch-b socket/cc socket; After clicking, you will be redirected to the corresponding configuration page. After filling in the relevant information,

Click on 'Confirm' to proceed to the next step!

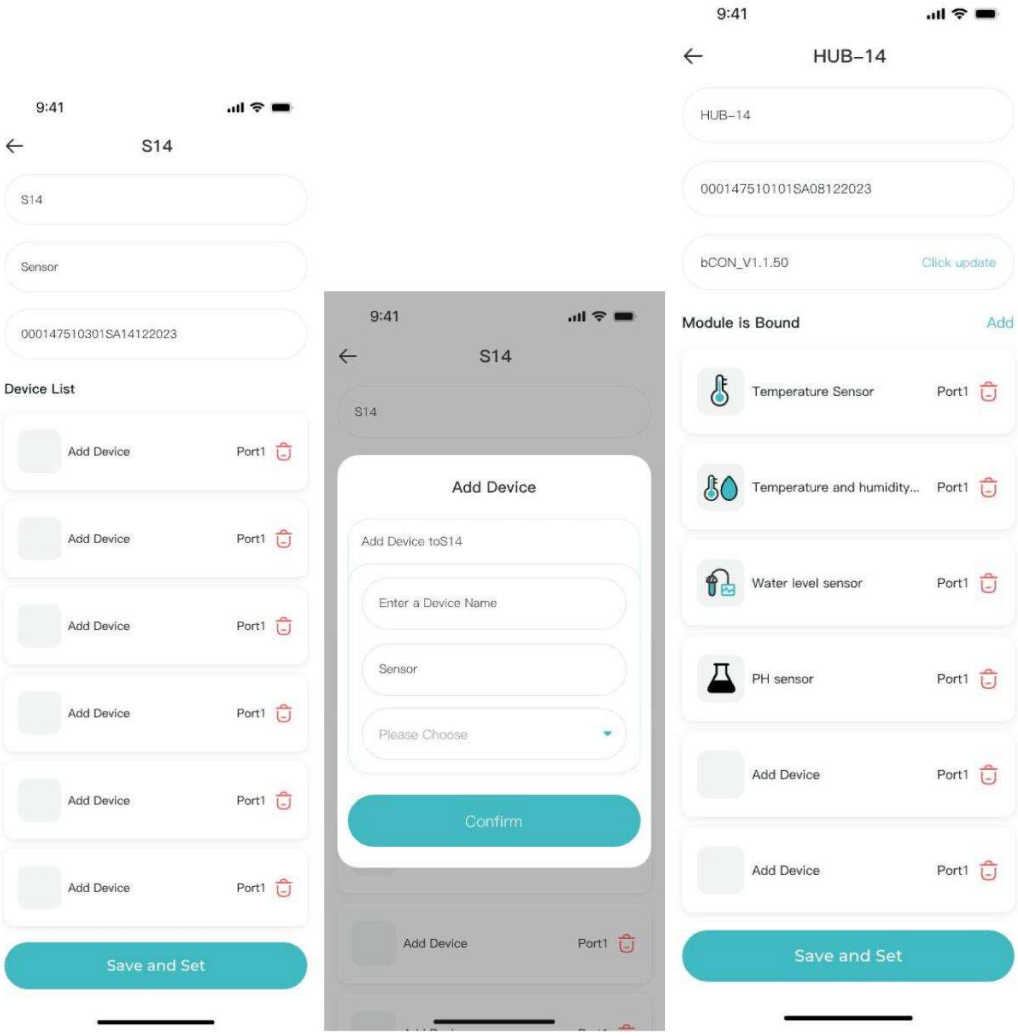
Addition completed: Click on configuration to complete binding configuration;

Module device socket details:

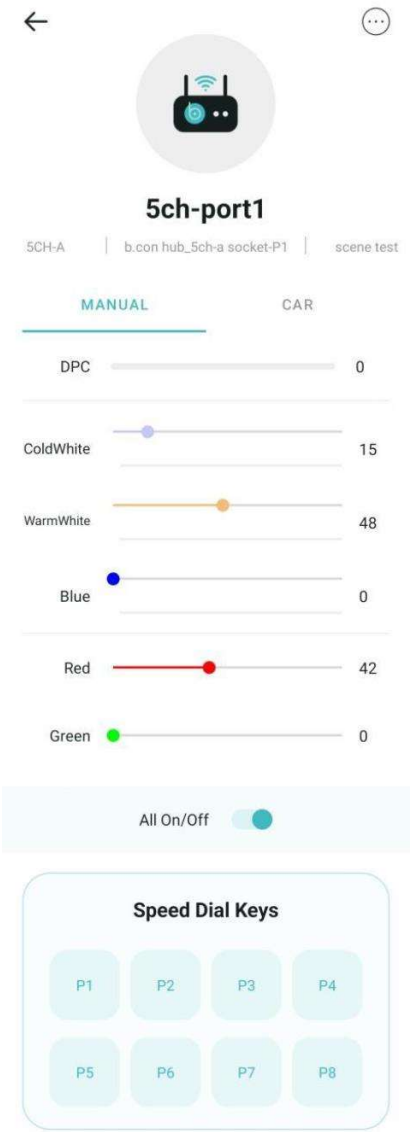
Module is bond: Click "add device" to bind the module;  At this moment, it will

Pop up the add page, enter relevant information, click on the configuration "confirm" to bind, and the page will jump back

Device details, bind device list update (as shown in Figure 3)!



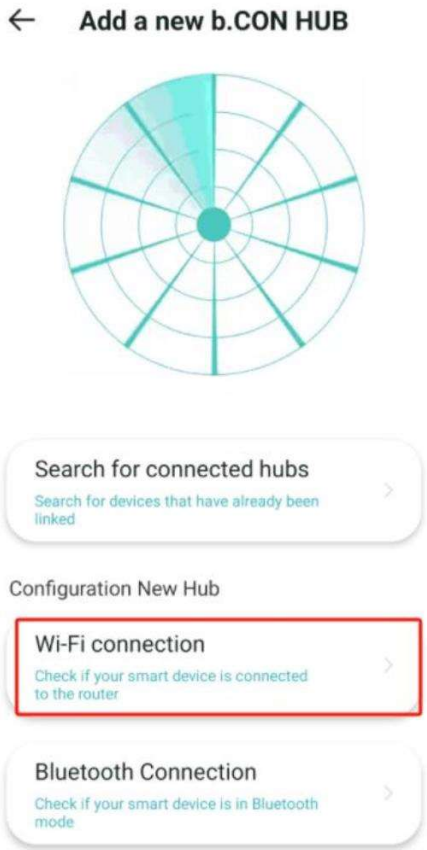
Bound device details: Click on the corresponding device hotspot to enter the device details (where you can set the manual And CAR)



(3) WiFi configuration connection to BCON hub

Click on the WiFi connection (check if the hub is connected to a router), and after configuration is complete, you can connect to it Search for this hub!

Operation path: Login → Module → Add module HUB → Select connection method → WIFI configuration connection, such as The following picture.




(4) Bluetooth connection to BCON hub

At this time, a Bluetooth Connection reminder will be prompted! Follow the prompts for operation Configure Bluetooth account and password!

Operation path: Login → Module → Add module HUB → Select Bluetooth connection → Configure → Bind and return Return to the module homepage.

2.4.3 Adding Bluetooth devices

(1) Authorization

Click the "Add" button on the Bluetooth list, and an authorization prompt will pop up saying "Turn on Bluetooth and location" for authorization

Operation path: Login → Module → Add corresponding module list → Open authorization function → Scan → Select bind

Fixed → bound and returned to the module homepage, as shown below.

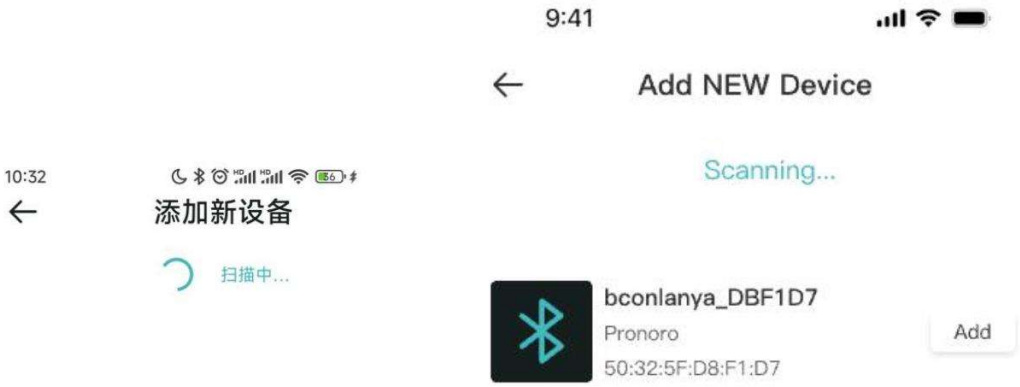
(2) Scan recognition

After opening the corresponding function, the system will automatically recognize and scan the corresponding device. If multiple devices are recognized, select

Select the corresponding device for binding verification.

Operation path: Login → Module → Add corresponding module list → Open authorization function → Scan → Select bind

Fixed, as shown in the following picture.

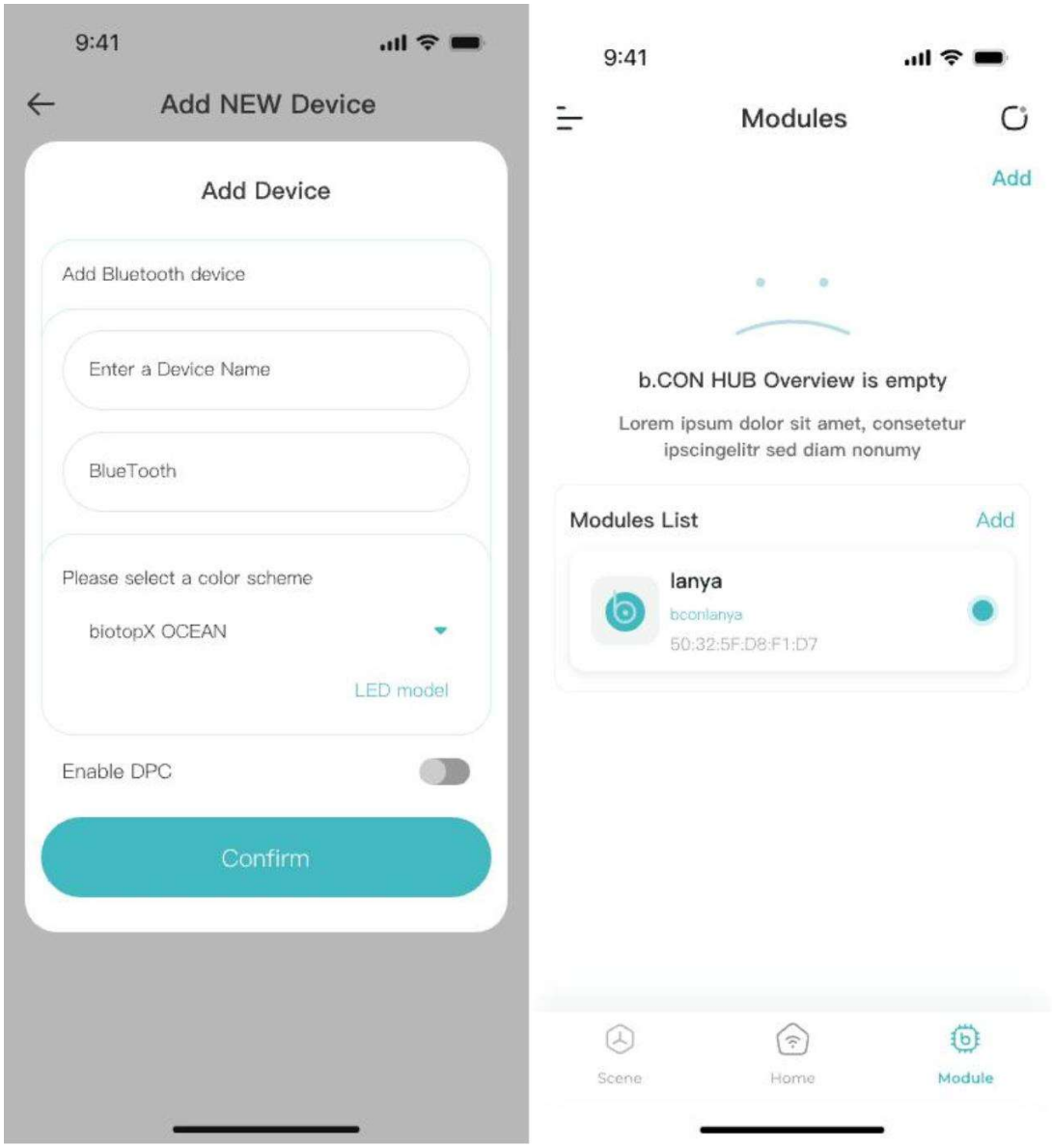


(3) Binding configuration

Select the corresponding device, click "Add" for binding verification, enter configuration information, and click "Configure"

You can complete it (jump to the module homepage)!

Operation path: Login → Module → Add corresponding module list → Open authorization function → Scan → Scan to Device → Select Binding → Configure → Complete, as shown in the following figure.



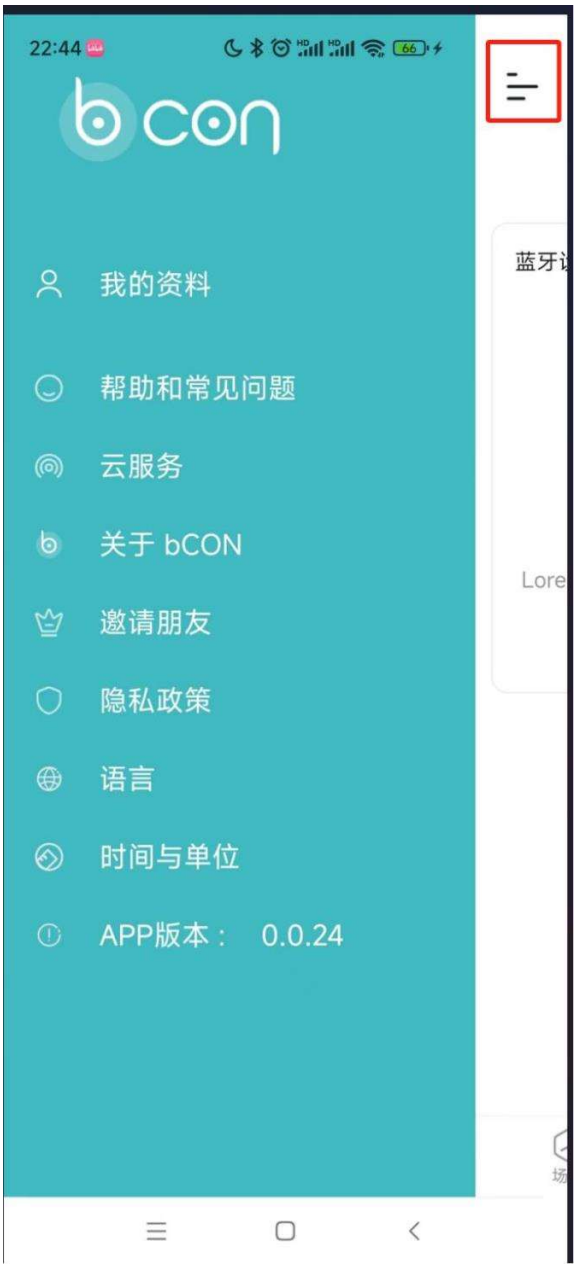
## 2.5 Mine

### 2.5.1 My (Personal Center)

The personal center mainly displays personal information, assistance services, privacy policies, language, application information, etc;

Click on 'My Profile' to enter the personal profile page;

Operation path: Login ->Scene/Home/Module ->Left expand icon in the upper right corner, as shown below.



2.5.2 My Information

The personal center mainly displays personal information, assistance services, privacy policies, language, application information, etc;

(1) View: Click "Exit" to exit the login page, click "Edit" to go to the edit information page;

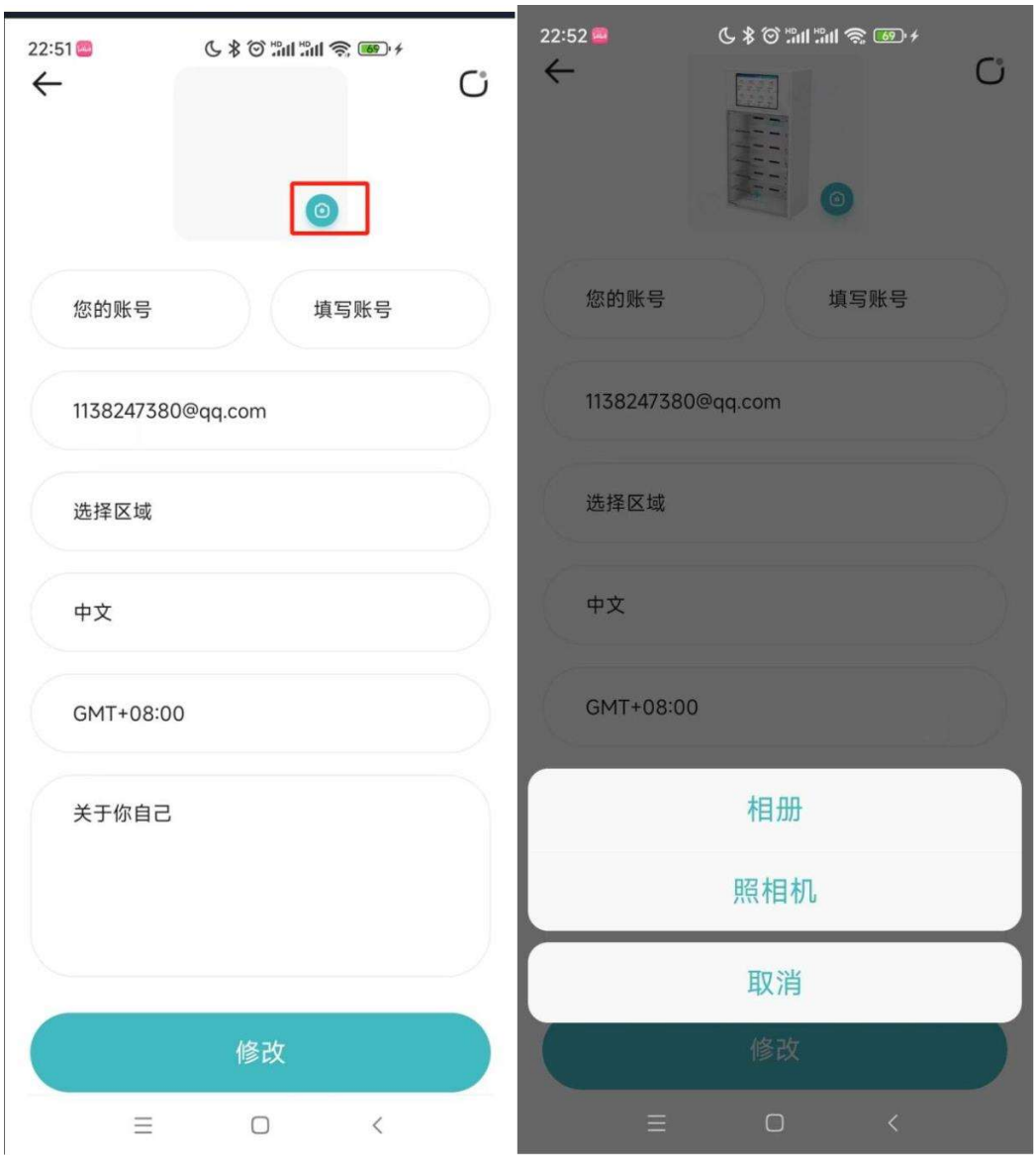
View operation path: Login ->Scene/Home/Module ->Left expand icon in the upper right corner ->My profile, as shown below.

(2) Edit Information: Here you can edit your personal information

Click 'Upload' to bring up a selection box, where you can choose to upload your avatar from your local album or take a photo with your camera to upload it

head portrait;  Click 'Modify' to save the information to the database and jump back to the previous page;

Operation path: Login → Scene/Home/Module → Left expand icon in the upper right corner → My profile → Edit → Upload/Modify as shown in the following figure.



2.5.3 Help and Frequently Asked Questions

This mainly displays common problems and feedback on submitted issues;

Click 'Submit' to save the information to the database, and the page will automatically jump back to the 'My' page;

Operation path: Login → Scene/Home/Module → Left expand icon in the upper right corner → Help and Frequently Asked Questions →Submit, as shown in the figure below.

2.5.4 Cloud Services

This mainly displays cloud service information, including cloud and weather data settings;

Click the corresponding cloud function "button" to turn on or off the function;

Operation path: Login ->Scene/Home/Module ->Left expand icon in the upper right corner ->Cloud Services, as shown below.

2.5.5 Regarding bCON

This mainly showcases the introduction of bCON and the latest updated version information;

Click the "Update Version" button, or if there is an updated version, it can be automatically downloaded and updated with the latest version;

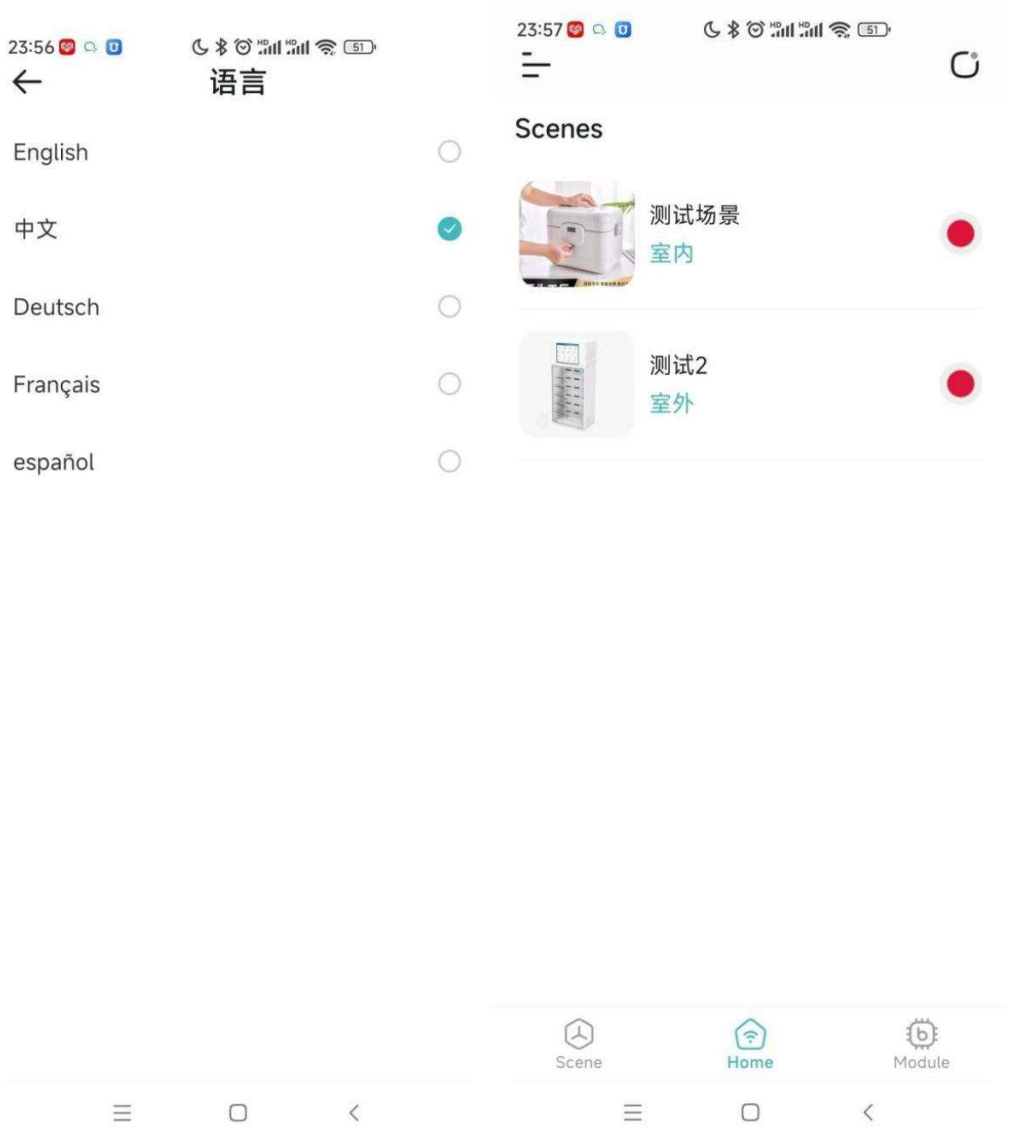
Operation path: Login → Scene/Homepage/Module → Expand left in the upper right corner → About bCON, as shown below.

### 2.5.6 Language

This mainly displays the supported application languages and language switching settings;

Click the corresponding language "switch" button to switch the system language and the page will automatically jump to the homepage;

Operation path: Login → Scene/Home/Module → Expand left in the upper right corner → Language → Set language, as follows picture.



2.5.7 Time and Unit

This mainly displays time format settings, temperature unit settings, etc;

Click the "dropdown" button for time format to set the time format, which includes 24-hour and 12 hour formats;

Click the "dropdown" button for temperature units to set Celsius or Fahrenheit display;

Operation path: Login → Scene/Home/Module → Expand left in the upper right corner → Time and Unit → Settings

FCC Warnning:

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 againstharmful interference in a residential installation. This equipment generates, uses and can radiateradio frequency energy and, if not installed and used in accordance with the instructions, maycause harmful interference to radio communications. However, there is no guarantee thatinterference will not occur in a particular installation. If this equipment does cause harmfulinterference to radio or television reception, which can be determined by turning the equipmentoff and on, the user is encouraged to try to correct the interference by one or more of thefollowing 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.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

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.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 0cm between the radiator and your body.