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# SUPER EVSE HOME

User Manual V1.1



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# 1. Overview

SuperEVSE-Home is an innovative, easy-to-use application designed for your electric vehicle (EV) charging needs. This app is tailored specifically for EU standard charging stations, marrying an array of practical functionalities with a user-friendly interface for a streamlined, efficient EV charging experience.

**Device Control:** Initiate or stop charging with the simple press of a button. Monitor device parameters effortlessly, keeping you informed about the operational status of your charging station throughout your charging process.

**Scheduling Feature:** Seamlessly integrate charging times into your daily routine. Set times in advance and let your EV charge as per your schedule.

**Adjustable Maximum Charging Power:** Manually set the maximum charging power to prevent potential power grid overloads and ensure optimal charging efficiency.

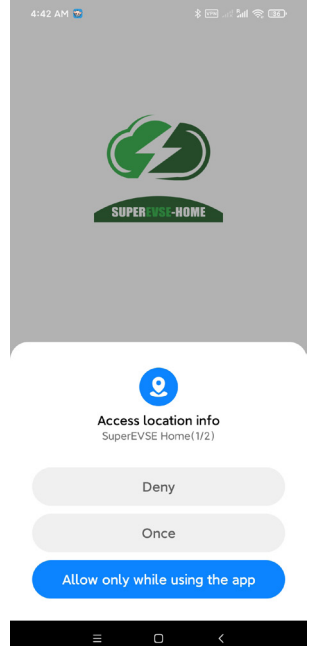
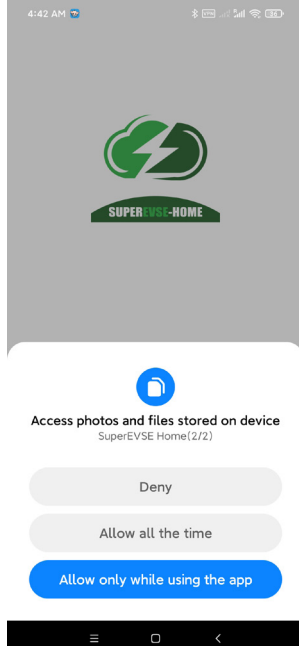
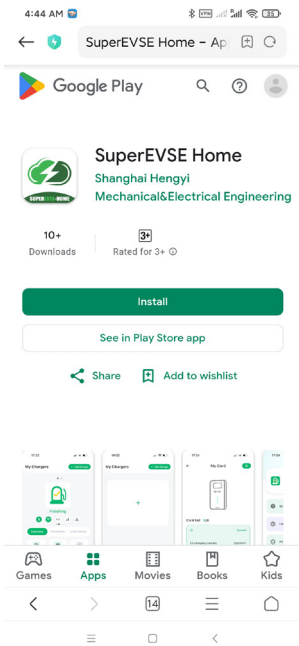
**RFID Card Management:** Bind RFID cards to your device for easy swipe-to-charge functionality. Each device supports up to eight cards, accommodating multiple users whether for family or business needs.

Download SuperEVSE-Home today and embrace a more efficient and intelligent EV charging lifestyle.

# 2. APP installation page

## 2.1 Quick installation instruction

Download the APP software from Google play or Applestore and install it. The quick installation instruction is as follows:



## 2.2 Installation notes

The installation process of different mobile phones is not exactly the same, so you can just follow the installation instructions and proceed step by step

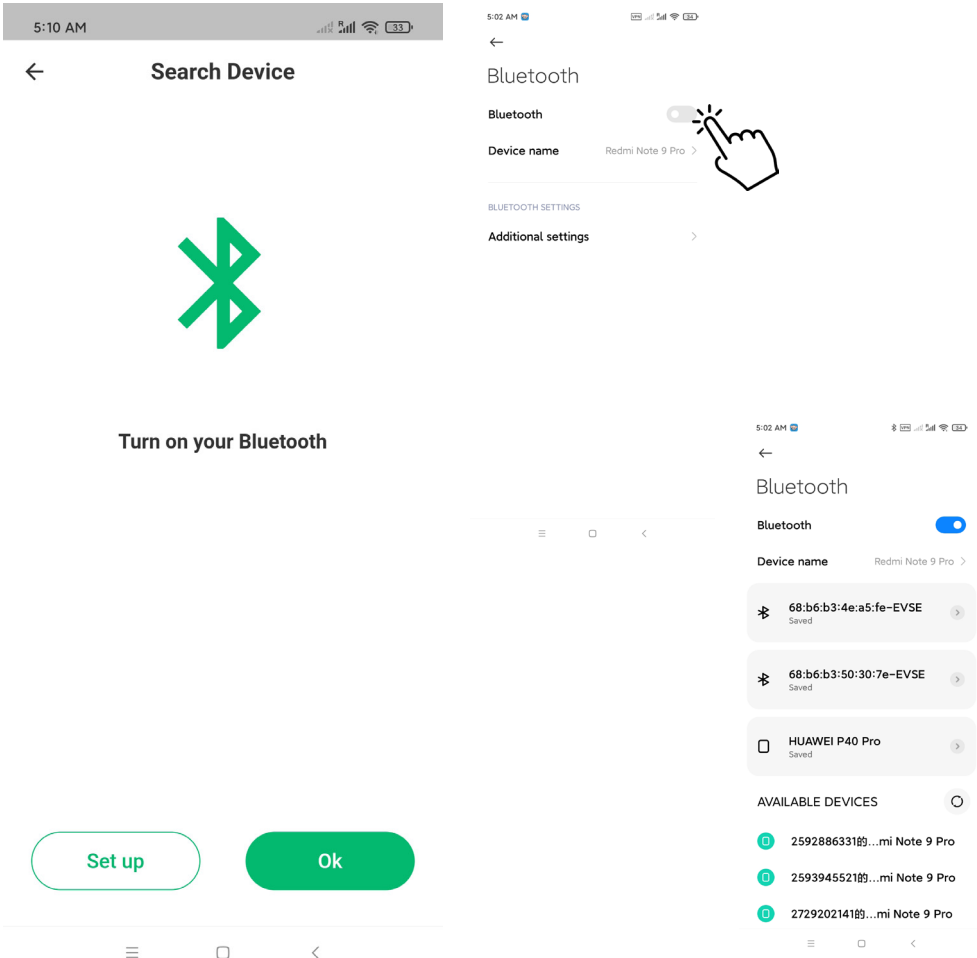
The permissions required to use the APP and the system during installation need to be authorized, otherwise the program will not run normally.

Please pay special attention that the program will need to use storage permission, location access permission, and Bluetooth, and Wi-Fi should be turned on, while some permissions are required for related hardware and mobile phone operating systems. The APP will not run normally without these permissions.

When some permissions are not authorized during installation, the APP will prompt that some certain permissions are needed when using the APP, and automatically guide to set certain permissions.

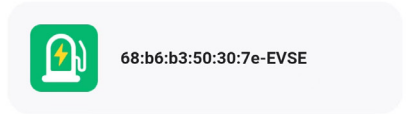
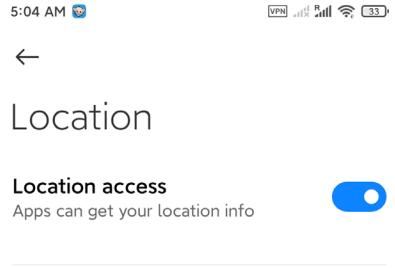
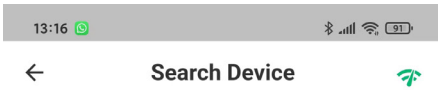
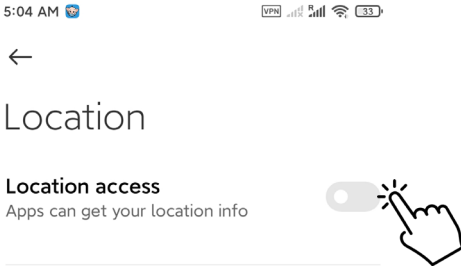
### 2.2.1 Guide to turn on the Bluetooth page

When searching for charging stations, if Bluetooth is not turned on, it will prompt to turn on Bluetooth:



## 2.2.2 Guide to turn on the Location page

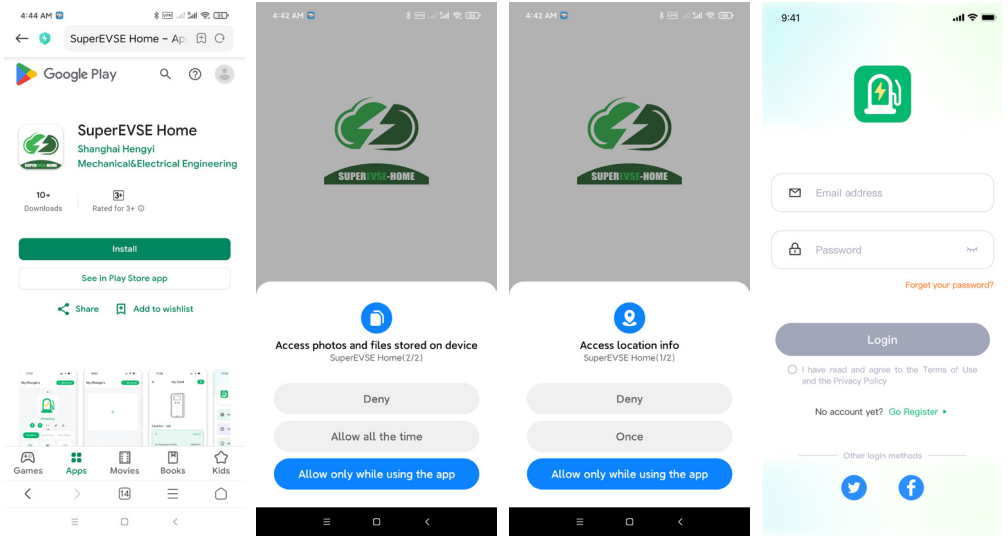
When searching for charging stations, if Location is not turned on, the device is undetectable.



## 3.APP operation page

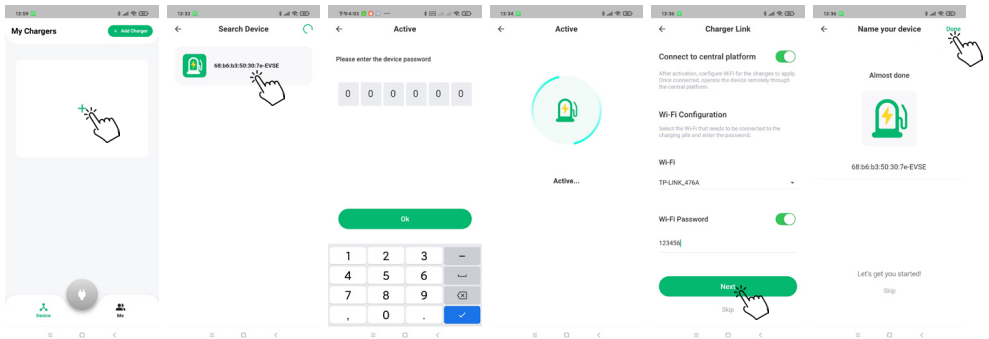
### 3.1 First use

It will prompt that some certain permissions should be used for the first using:



### 3.2 Connect the charging station for the first time

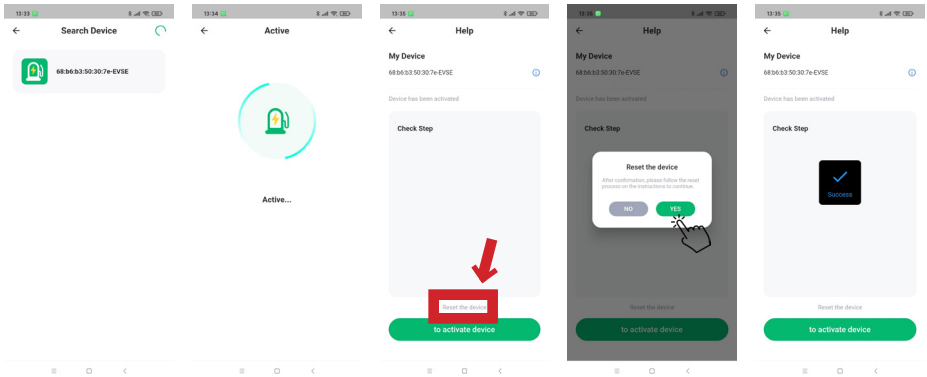
First, make sure your phone is close to the device you want to add, and your phone's network, Bluetooth, and location are turned on. Click the "+ Add Charger" or "+" button to enter the search device page. Then click on the device that appears (when a user successfully connects, other users will not be able to search for the device) to enter the Active page. After Active is successful, you will enter the device wifi configuration Charger Link page by default (if skipped, you will only use the Bluetooth for connect), select your wifi, enter your password, and click Next. Complete device addition.



\*Drive password: The device password is used for sharing the device and must be set.

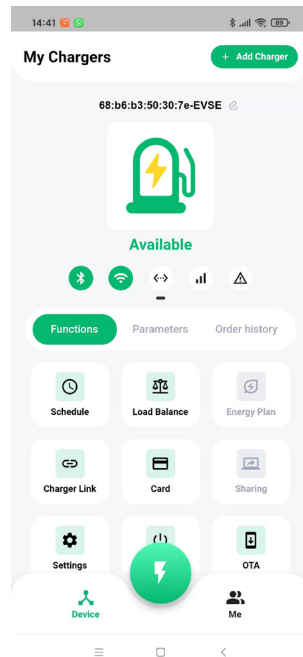
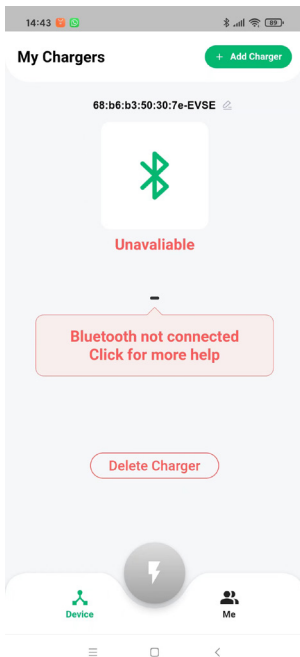
### 3.2.1 Failed to add device - Help page appears

If the help page appears, please follow the steps below to reset the device, then disconnect the device and restart the device. And follow step 3.2 to add it again.

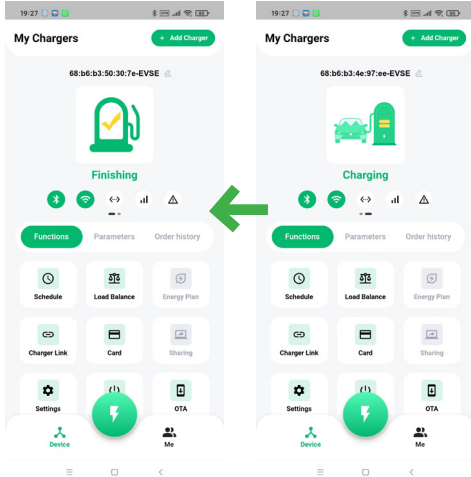


### 3.3 Quickly connect the charging station

After the process of connecting to the charging station for the first time is finished, the ApP will record the last connected charging station. When the charging station is turned on again, the APP will automatically connect to the charging station. If the charging station is not turned on, it cannot be connected. At this time, you need to click the “+ Add Charger” in the upper right corner of the page to search for the charging station and try to connect to other charging station.



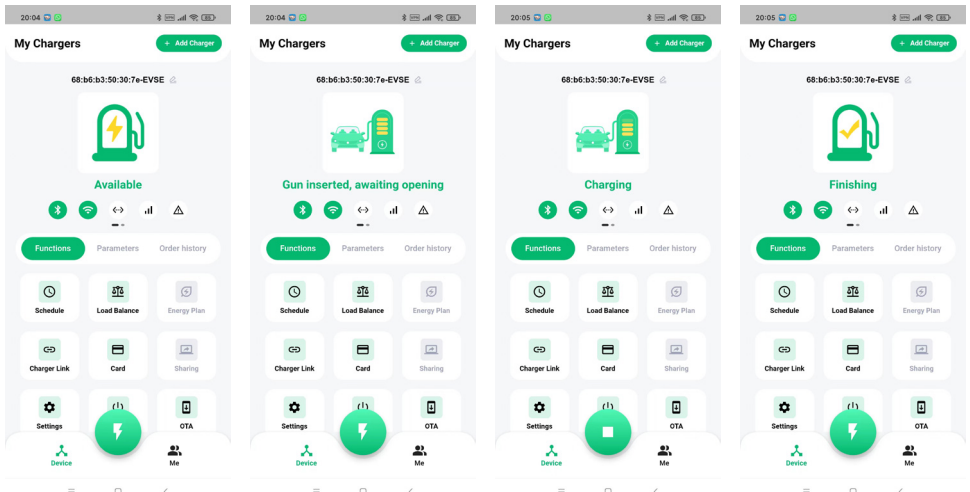
### 3.4 Quickly switch charging stations



When multiple charging stations have been connected, the APP will record the charging stations that have been connected. If you need to switch charging station, **Please slide the screen right**. The connection will fail if the charging station is offline.

### 3.5 Instruction on fast charging

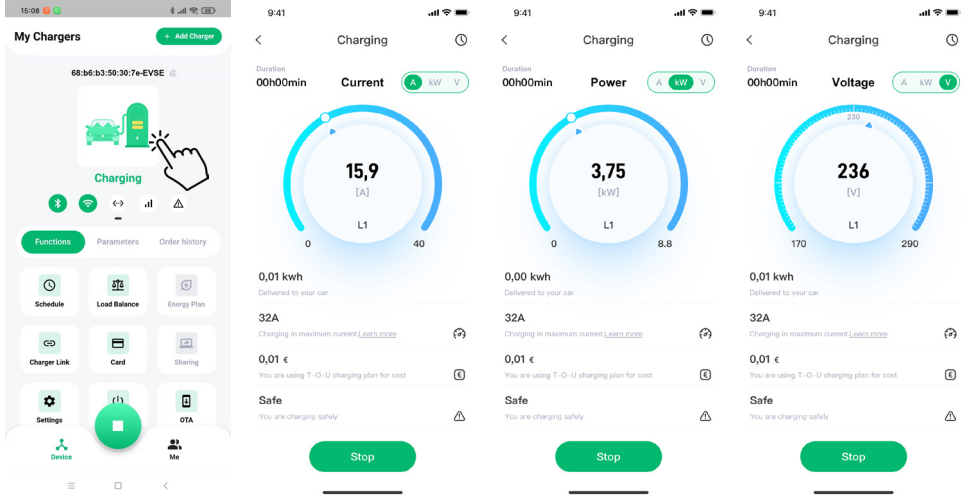
The following 4 pages respectively Available page, Gun inserted awaiting opening page, charging page, finishing page and charging finished. Instruction on fast charging is as shown to be operated in the following sequence (from left to right) to complete one charging:





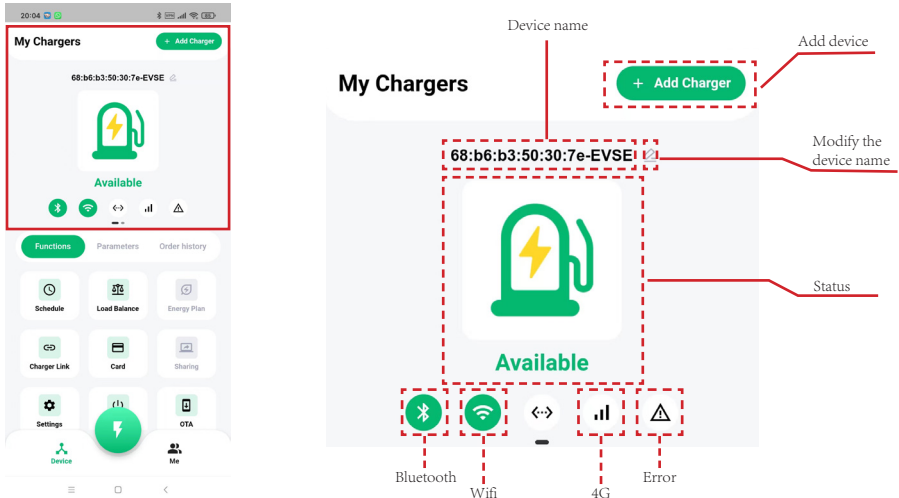
### 3.6 “Charging” page

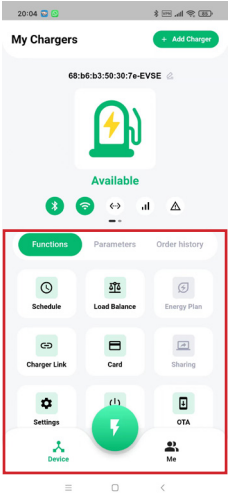
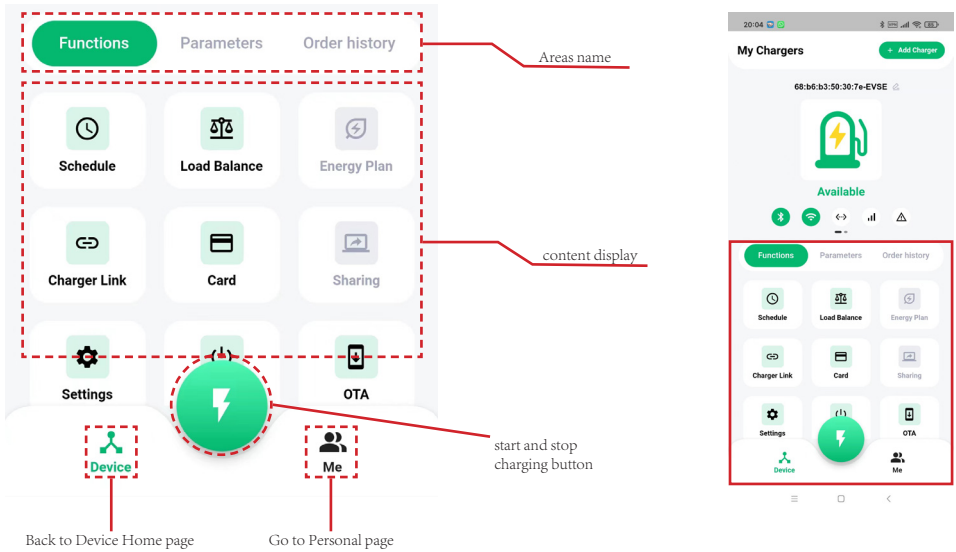
The charging page is the most important page, which mainly displays information and data during the charging process, such as current, power, voltage, total power consumption, charging time, and maximum output current, fee(energy plan settings).



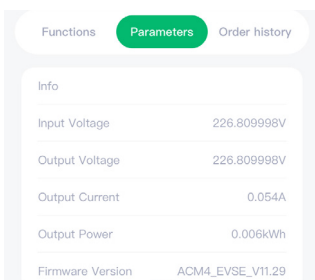
### 3.7 "Device" Home page

The upper half of this page is the device status area, and the lower half can be switched by sliding between "Function", "Parameters" and "order history" areas.



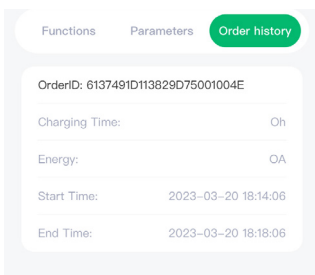


### 3.7.1 "Device"Home page - Parameters



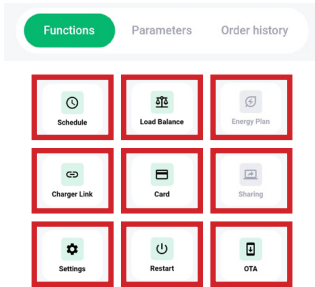
Displays charging parameters, input and output voltage, output current, output power, device firmware version.

### 3.7.2 "Device"Home page - Order history



View last charging order, charging power, charging duration, start time, end time, etc.

### 3.7.3 "Device"Home page - Functions

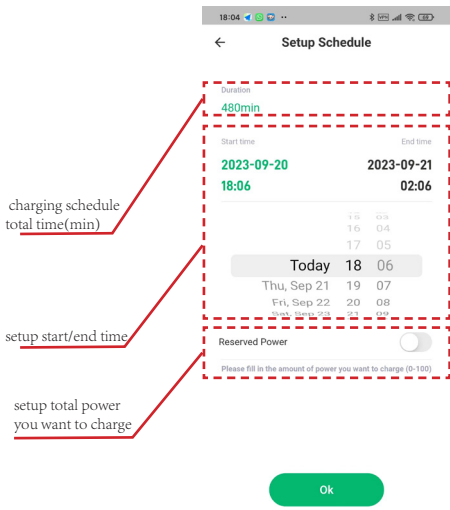
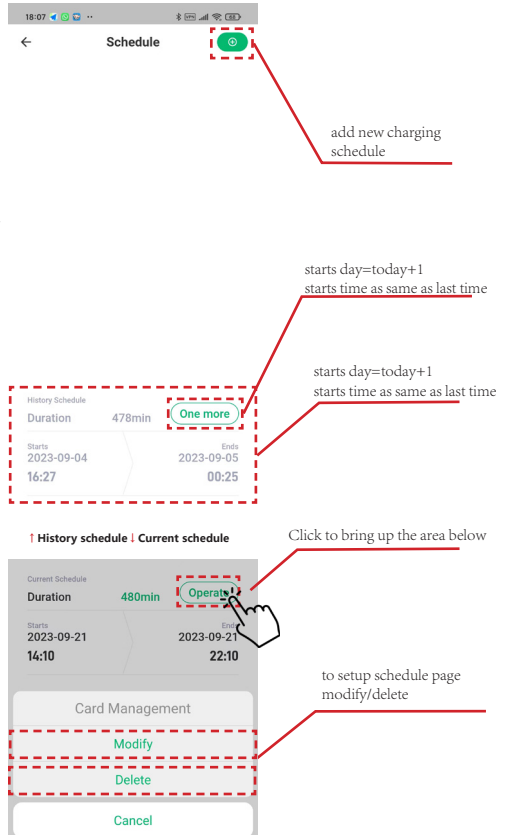


Entrance to use various functions, schedule charging, load balancing, energy plan, charger link, bind RFID card, share device, device settings, restart device, OTA firmware upgrade, etc.

#### ( I ) "Device"Home page - Functions - Schedule

#### Schedule Charging:

This feature allows you to set a specific time for your device, such as an electric vehicle charger, to start and stop charging. It can help you take advantage of off-peak electricity rates or ensure your device charges when it's most convenient for you.



( II ) "Device"Home page - Functions - Load Balance

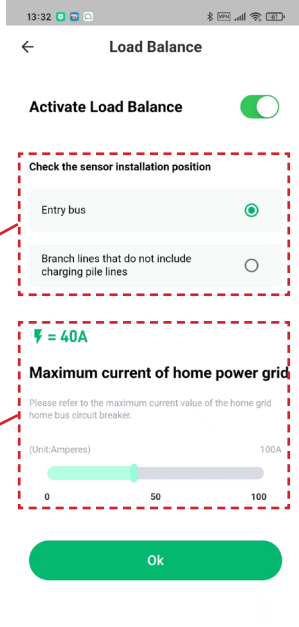


Activate Load Balance



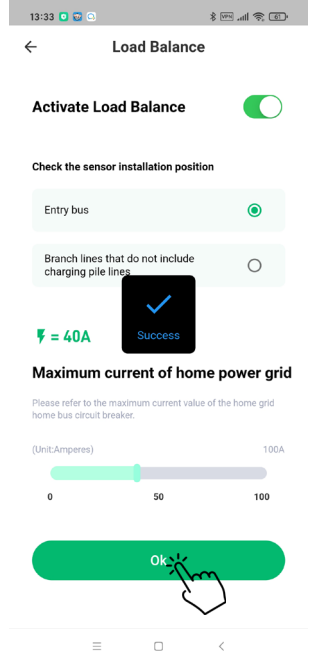
**Load Balancing:**

Load balancing involves distributing the electrical load evenly across multiple charging devices or circuits to prevent overloading and ensure efficient use of available power.

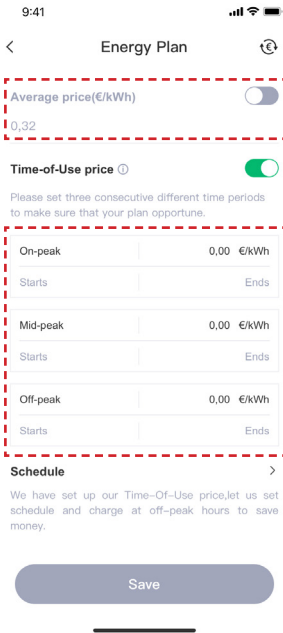


check the sensor installation position

choose total Amp for your home



### ( III ) "Device"Home page - Functions - Energy Plan (temporarily unavailable)



#### Energy Plan:

An energy plan could refer to a set of rules or preferences you can configure for your device to optimize its operation based on your energy needs and costs.

Calculate average price

Enter your local electricity price and time period

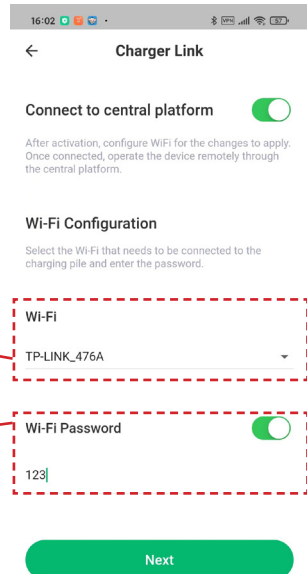
### ( IV ) "Device"Home page - Functions - Charger Link

#### Charger Link:

Add or modify wifi connect or link your device to a network or smartphone app for remote monitoring and control.

Choose your wifi

Enter your wifi password

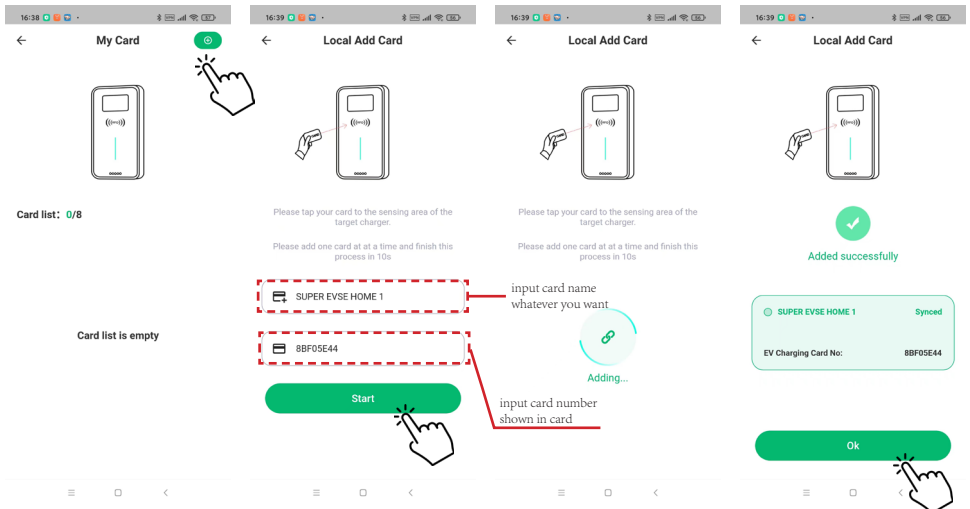
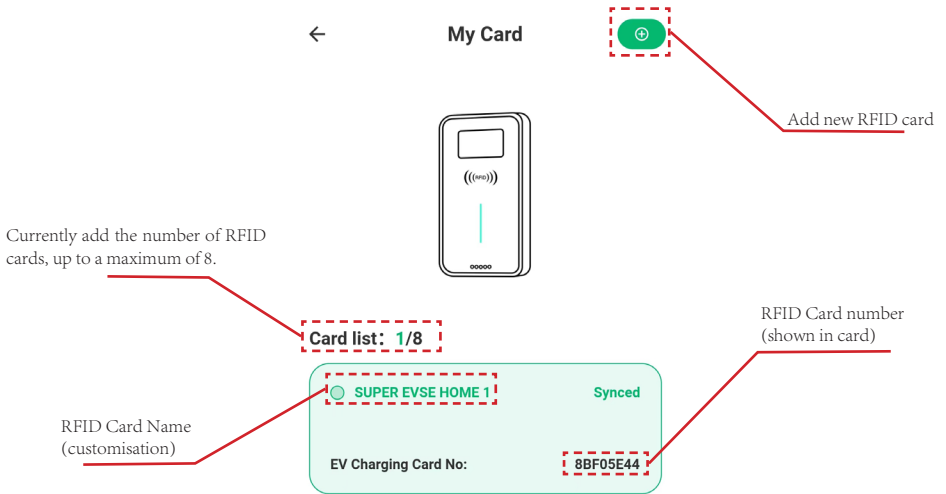


Note that this step uses Bluetooth to transmit wifi information to the device. Make sure Bluetooth is turned on and close to the device.

( V ) "Device"Home page - Functions - Card

**Bind RFID Card:**

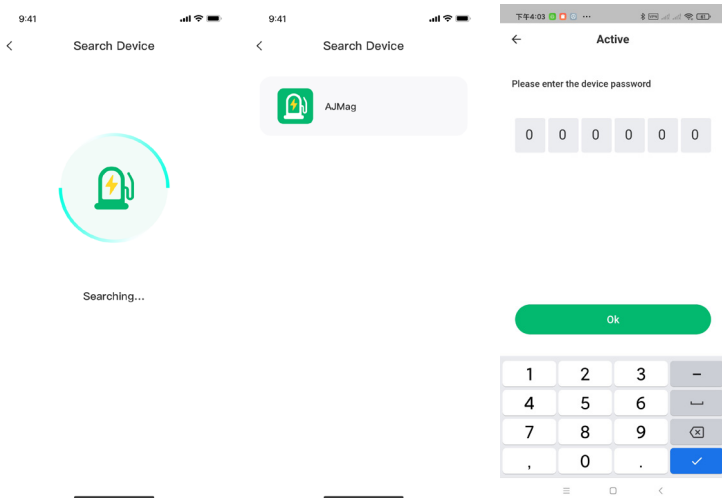
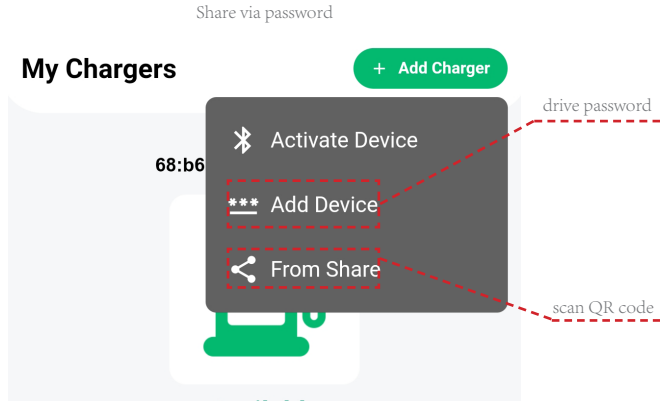
This feature could involve linking an RFID (Radio-Frequency Identification) card or key fob to your device for secure access control or user authentication.



( VI ) "Device"Home page - Functions - Share

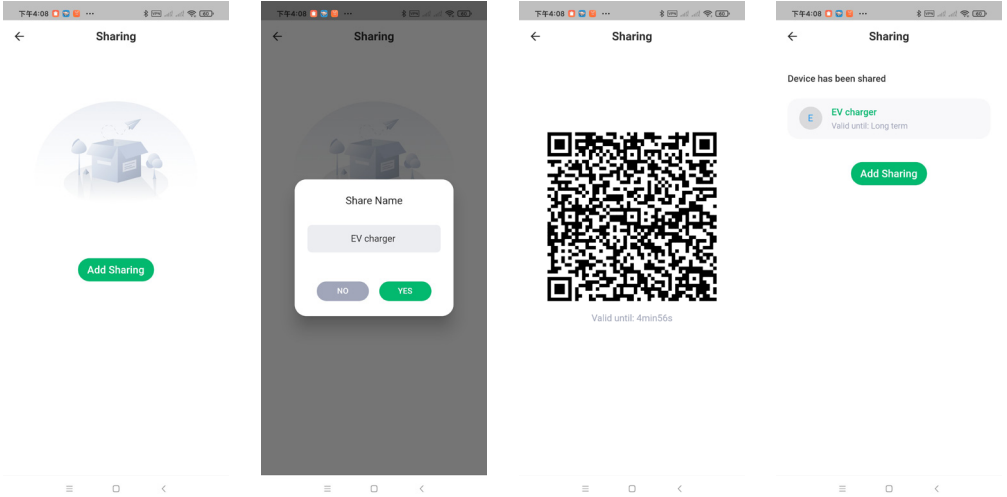
### Share Device:

Sharing a device allows you to grant access or control of the device to other users, such as family members or colleagues.

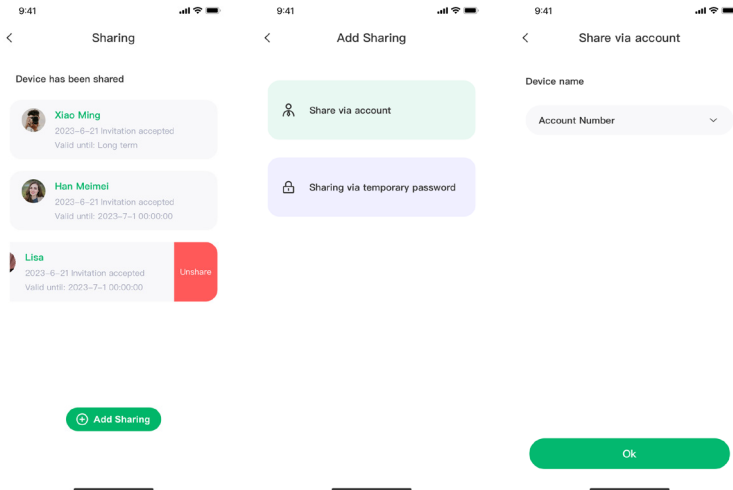


Share via password

\*password: First connection to the input 6-digit number



Create QR code



Share via account  
(temporarily unavailable)



( VII ) "Device"Home page - Functions - Settings

## Settings- Charge Point Settings

View device version, ground/leakage protection settings off and on, charging mode plug and charge on and off, Safe Temperature, Ampere Settings.

**Settings**

### Charge Point Settings

- Electrical Protection Settings
- Firmware Upgrade AHD5\_EVSE\_N16-001.24

**Electrical Protection Settings**

- Grounding detection
- Leakage detection
- Free insertion mode
- Temperature alarm setting 140
- Global current limit 32

**OTA**

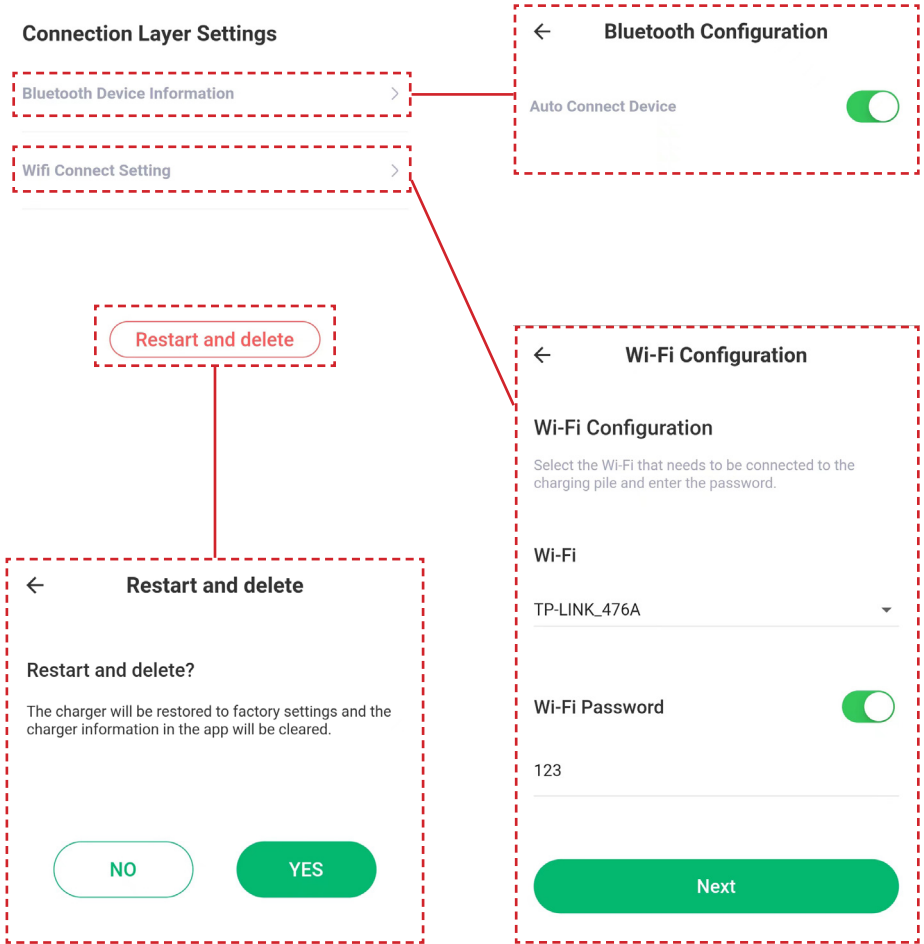
- AHD5\_EVSE001.21  
Update to AHD5\_EVSE0TA.24 version
- AHD5\_EVSE\_N16-001.24  
The current version is the latest version

**Temperature alarm setting**  
50 C - 200 C

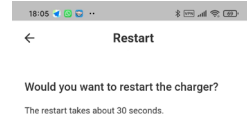
**Global current limit**  
0A-32A

## Settings- Connection Layer Settings

Bluetooth and wifi connection configuration. Reset and delete device.



### ( VIII ) "Device"Home page - Functions - Restart



#### Restart:

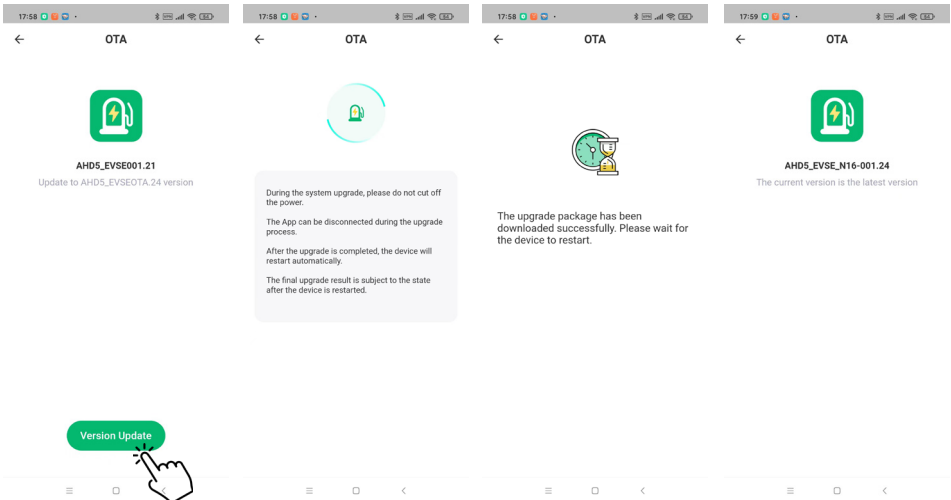
The ability to remotely or manually restart the device can be useful for troubleshooting issues or applying changes to settings.



### ( IX ) "Device"Home page - Functions - OTA Firmware Upgrade

#### OTA Firmware Upgrade:

OTA stands for "Over-The-Air" upgrades. This feature allows you to update your device's firmware or software without physically connecting it to a computer. It ensures that your device stays up-to-date with the latest features and security patches.



#### NOTED:

During the system upgrade, please do not cut off the power. The App can be disconnected during the upgrade process. After the upgrade is completed, the device will restart automatically. The final upgrade result is subject to the state after the device is restarted.

### 3.8 "Me" Home page

Modify User name, APP language setting, feedback, privacy, APP version check, etc.

