

APP User Manual - INVT Charge



—EVC16 series—

Version 1.1

## Download the “INVT Charge” APP

1.1 Scan the QR Code on “Quick Reference Guide”, or search "INVT Charge" at Google Play or the APP Store to download and install the APP, as the following picture shows:



**新变化** • →  
上次更新时间：2023年12月15日

This software is used to charge your car, supporting Bluetooth charging, WIFI remote charging, timed charging, charging station se...

## Register an Account

Select the region of your country and enter your E-mail address and Code to register the account, the verification will send to your e-mail , as the following picture shows:

(Note: The Region selection is for the online server selection. For the IEC standard charger , you should select the European, For the UL standard charger, European should be selected to North America )

### Register Now

Select your registration method and set your password after verification

Region ⓘ

Please select ▼

Email No.

Please enter email

Code

Verification code Send code

By submitting this request, you confirm that you have the right to share this information and consent to our request [«User agreement»](#) and [«Privacy Policy»](#)

Agree and continue

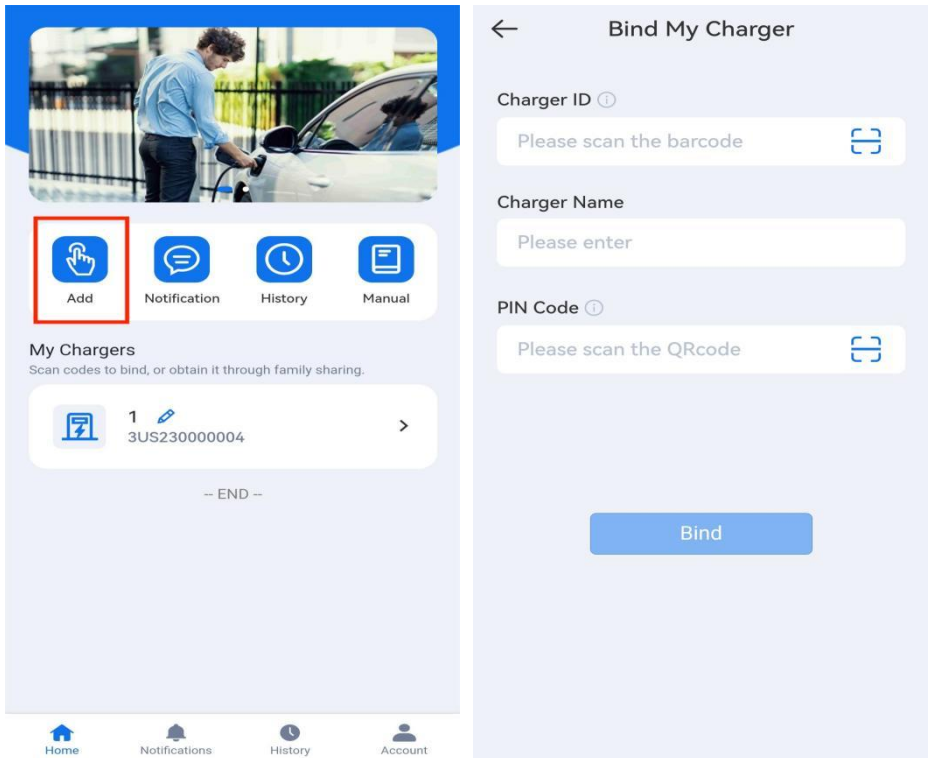
## Adding your charger with APP

Click the “Add ”button on the home page, you can bind your charger by scanning the barcode and PIN code on the charger’s nameplate or Quick reference guide.

**The charger ID** is consist of a 12 digital and letters and it’s unique for every device, users can enter the ID to bind the charger.

**The PIN Code** is like a key to avoid someone binding the charger spiteful only using the Charger ID.

You can also give an individuation setting for the "Charger Name".



The INVT Charge APP provides convenient and flexible charging options, which can be started locally via Bluetooth or remotely via WIFI. Please carefully read the following operating instructions.

## Start charging via Bluetooth

1: Turn on your phone's Bluetooth.

2: Click the arrow mark to open the charging interface.

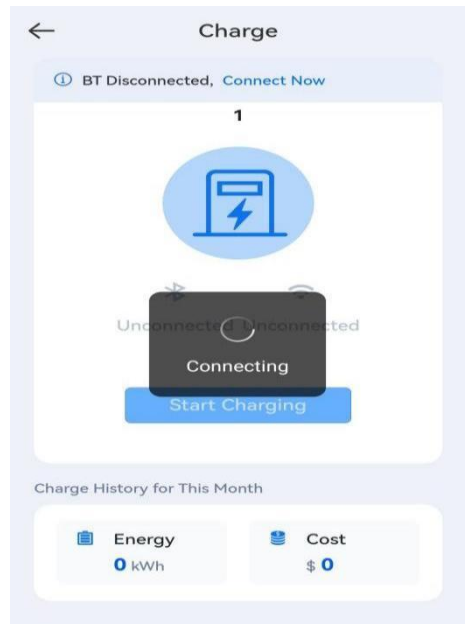
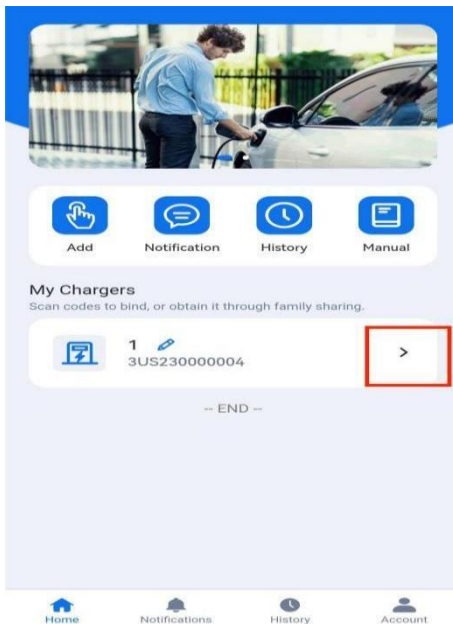
3: The APP will search and connect the charger Bluetooth directly (Please enable location permission on your phone before the first connection).

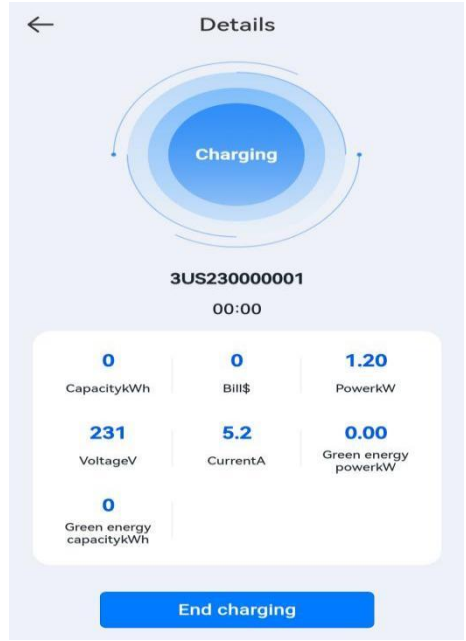
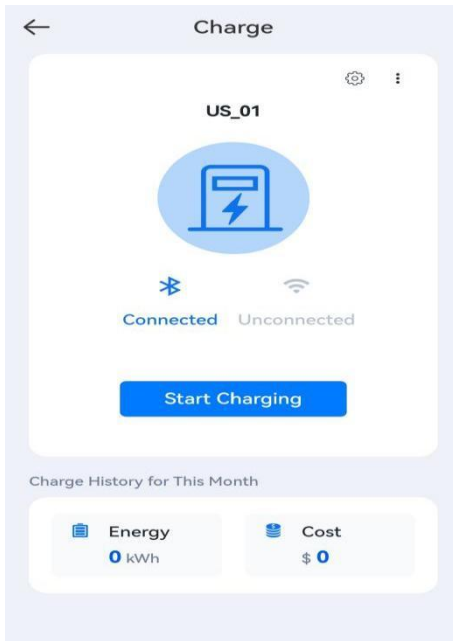
4: You can also manually connect the Bluetooth by clicking "Connect Now".

5: Click start charging, you can visually check the charging data such as charging power, charging capacity, charging current, Charging voltage Bill, Green energy power , Green energy capacity etc.

(Note: The green energy power will display only when the charger equip with DLB module and it have been setting via APP. About DLB setting , please check the following interface of Load Management )

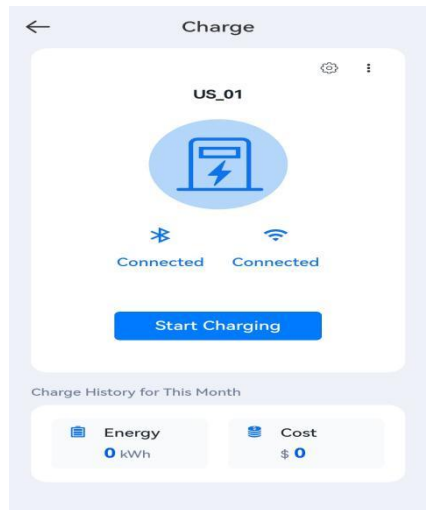
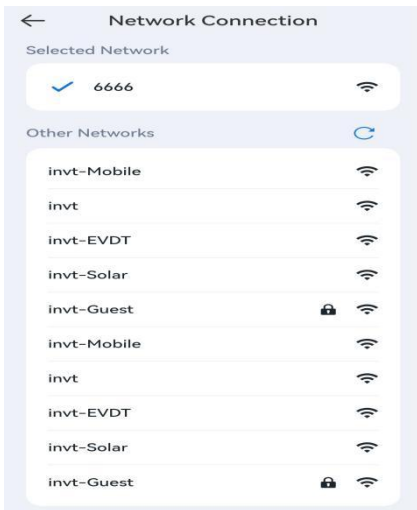
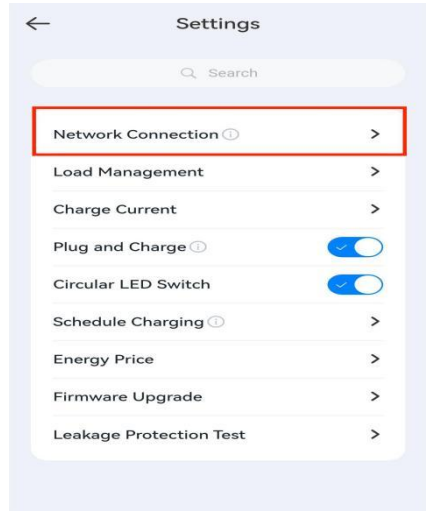
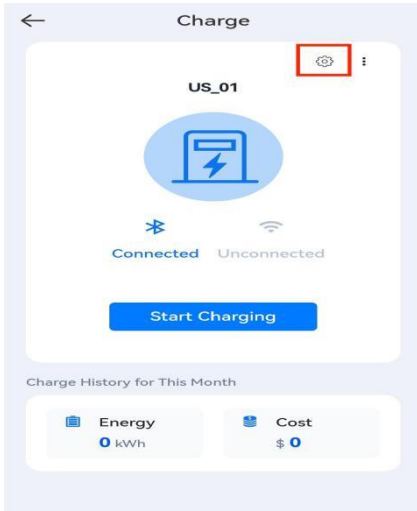
6: Click End charging, the charger will cut off the power output automatically.



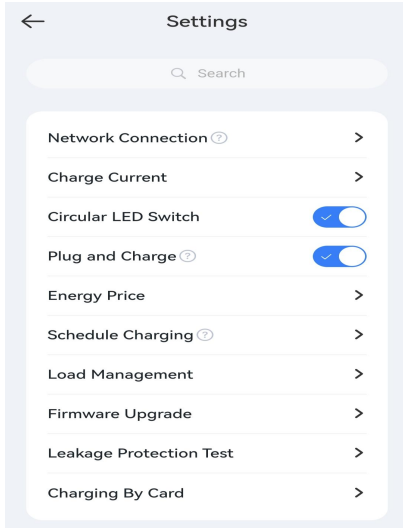


## Start charging via WIFI

1. Maintain the Bluetooth connection, click the **Settings** button to access the **Settings** interface (Bluetooth can be disconnected after a successful Wi-Fi connection).
  2. Click on **Network Connection** and search for your local Wi-Fi network, you will get a WIFI list that is available at your nearby.
  3. Choose and connect to the appropriate Wi-Fi network for the charger. (It will take several seconds for you to confirm WIFI connection)
  4. Go back to the Charging interface and initiate a charging session.
- (Note: The charging session can be start or end locally or remotely while WIFI connection successfully. But the settings is not available when the Bluetooth disconnection).

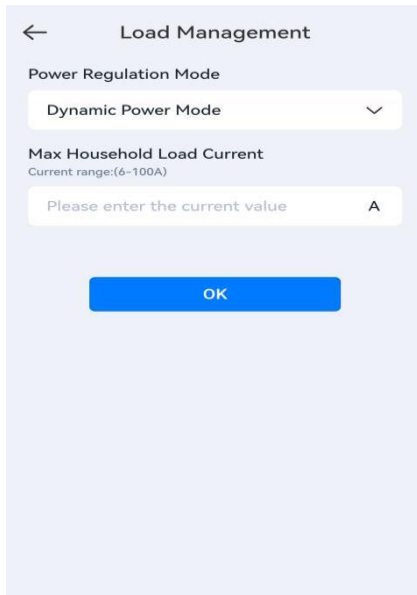


## Setting the APP



The **Settings** interface is accessible only after establishing a Bluetooth connection.

This interface offers a range of functions, including Network Connection, Charging Current, Plug and Charge, Firmware Upgrade, Energy price, Leakage Protection Test and Charging by card (Activated your RFID Card).

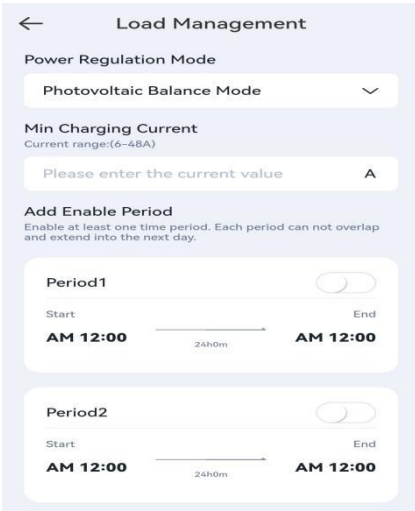


### Dynamic Power Mode

Specify the **Max Household Load Current**. The current range can be adjusted from 6~100A. INVT charger will autonomously monitor your home's max power consumption, dynamically and adjusting the charger's power to align with your set goal, thereby avoiding the risk of household over-current.

Note: This feature only works with the INVT's independently developed DLB module (sold separately).





### Photovoltaic Balance Mode

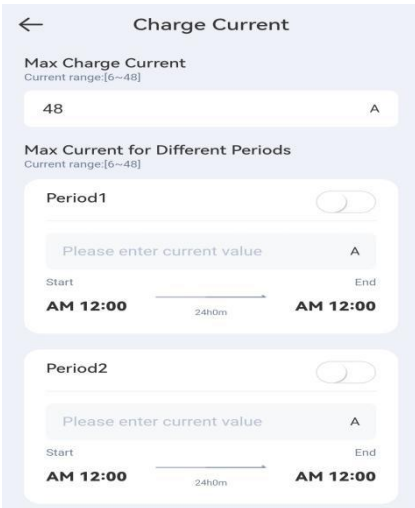
Integration with a photovoltaic system. Set the **Enabled Periods** and **Min Charging Current**(The current range can be adjust from **6~48A**), INVT will dynamically adjust the charger’s power based on real-time photovoltaic generation until it’s optimally consumed. And when there is no solar generation, the charger will operate at the minimum set charging current.

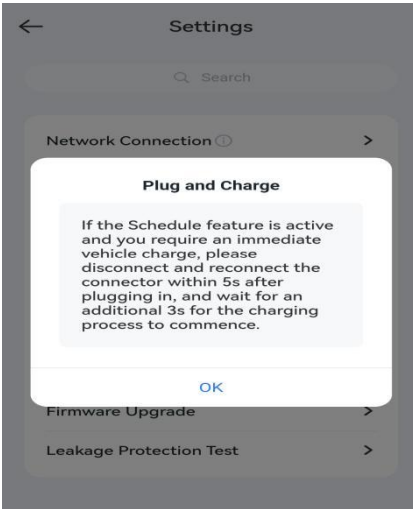
**Note:** This feature only works with the INVT's an independently developed DLB module

### Charge Current

The charging current can be adjusted within the range of 6 to 48A (varies by model). Furthermore, you can also customize the charge currents for different periods to meet your diverse energy demands.

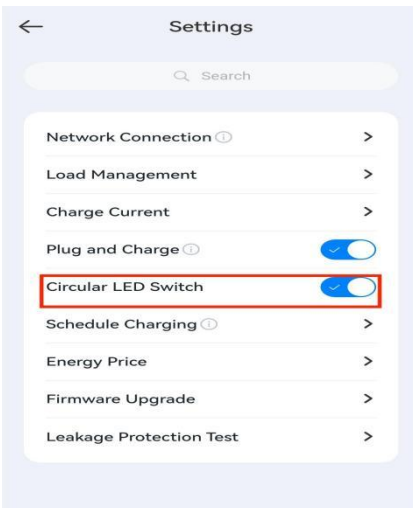
You can activate a charging current lower than the one specified on the nameplate, but can not activate a current higher than the designated value. The maximum current we have limited on our internal hardware design.





## Plug and Charge

The switch will support you in charging your vehicle without APP authentication. If the Schedule feature is active and you require an immediate vehicle charge, please disconnect and reconnect the connector within 5S after plugging in, and wait for an additional 3S for the charging process to commence.

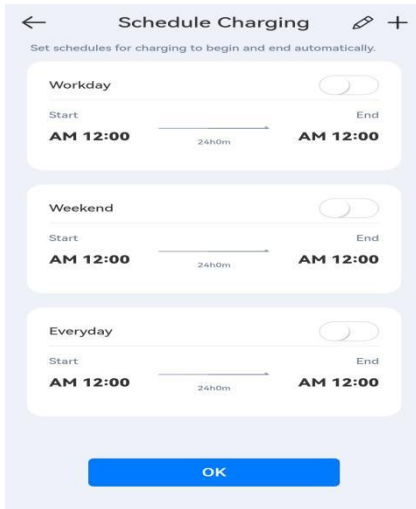


## Circular LED Switch

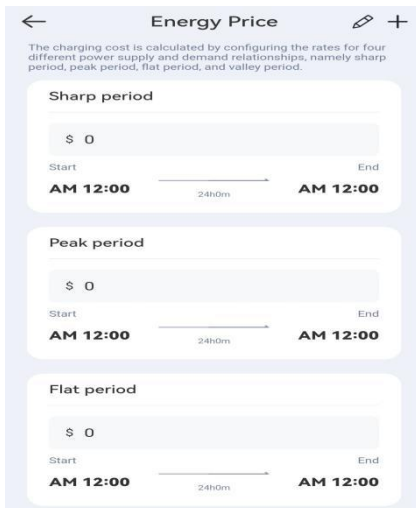
There are four display statuses on the Circular LED:

- **Breathing Green:** The charger is on standby, and the LED switch in the App is turned on.
- **Solid Green:** An EV is connected (but does not start charging).
- **Rolling Green:** An EV is charging.
- **Not Illuminated:** The charger is off, or the LED switch in the App is turned off.

## Schedule Charging

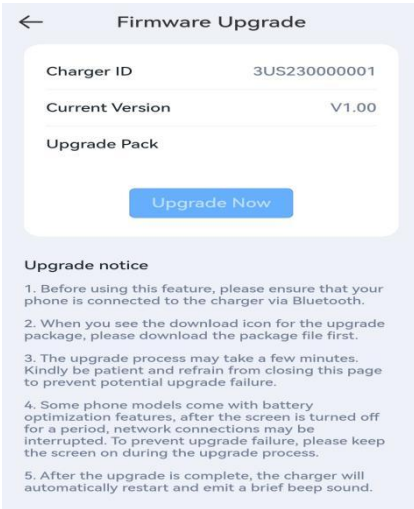


It's supported to schedule the charging periods on workdays, weekends, and every day. But we advise users who intend to activate this function not to perform a manual charge after plugging in their vehicles. After manual charging, certain vehicles may enter Sleep Mode automatically, and deactivate the Schedule Charging Feature.



## Energy Price

The charging cost is calculated by configuring the rates for four different power supply and demand relationships, namely sharp period, peak period, flat period, and valley period. You can click on the small icons in the upper right corner of the screen to add or delete periods.

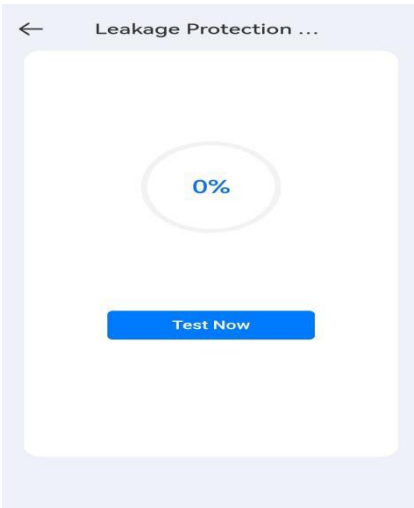


## Firmware Upgrade

Please ensure that your phone is connected to the charger via Bluetooth.

The icon “Upgrade Now” will change to “Download” if INVT launches a new Firmware. Please download the new version first and then upgrade the firmware manually.

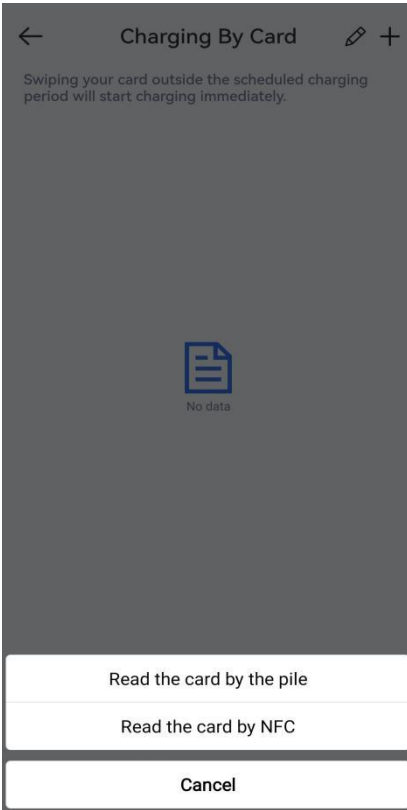
The charger will automatically restart and emit a brief beep sound after upgrade completely.



## Leakage Protection Test

The function is to verify the normal operation of the 'Residual Current Device' (RCD).

Click '**Test Now**' and wait for 3-4 seconds; the blue circular bar will reach 100% if the RCD is functioning properly.

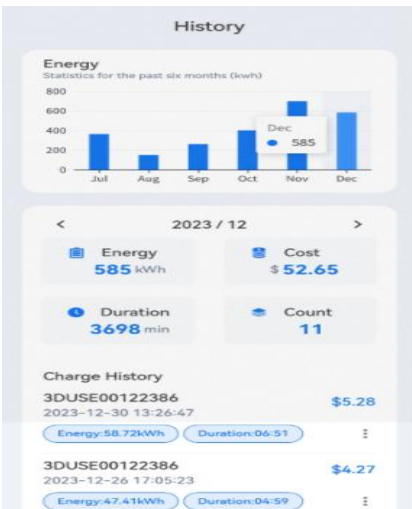


## Binding the RFID Card Number

Click "+" button, There are two methods to activate your RFID card.

1: Click Read the card by the charger. And place the card close to the charger RFID reader, the application will read and add the card automatically

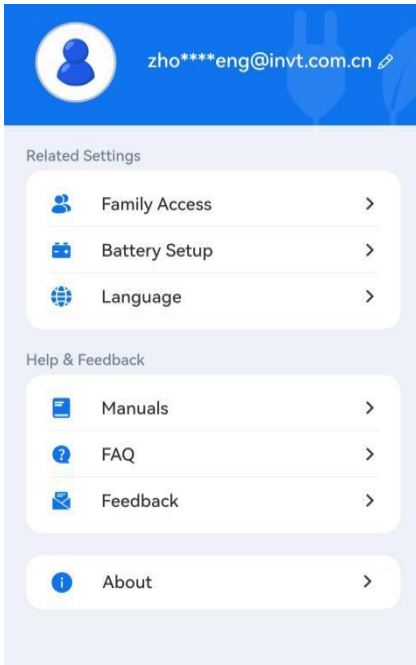
2: Click Read the card by NFC, place the card close to your phone, the application will read and add the card automatically



## History

This interface allows you to view the statistical charging data for the past six months.

The bar chart and data classification make it easy for you to check historical charging data. The data such as Energy, Cost, Duration, and Count



## Account Setting

At this interface, you can set your vehicle's battery parameters and the app's language. Furthermore, you can share your charger with family and friends and easily manage the shared members .

In the **Help & Feedback** section, you'll find convenient options for personal assistance.

The **About** section is dedicated to checking and updating the app's version, as well as accessing the Customer Service Hotline.