

Connect Reduxi and DAZE

Integrate the Reduxi Controller with the DAZE charger via Wi-Fi using the Modbus TCP protocol. Reduxi's flexibility allows cost reductions of up to 30%.

🔌 DAZE charger (Dazebox) · Reduxi Controller

🌐 Modbus TCP/IP via Wi-Fi 📡 Modbus ID 1 (default)



Dazebox Home (example model)

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1 Technical documentation

Manuals and datasheets for the Dazebox models are available in the manufacturer download center.

- [DAZE download center](#) – Installation manuals, datasheets and CE declarations of conformity for the Dazebox models

2 Required equipment

You need the following components:

- ☐ DAZE charger (Dazebox)
- ☐ Reduxi Controller
- ☐ Smartphone with the DAZE app
- ☐ Wi-Fi network with access to the router (to find the IP address of the charger)
- ☐ Laptop or tablet with internet access to configure the device in Reduxi

3 Install and configure the DAZE charger

3.1 Install the DAZE app



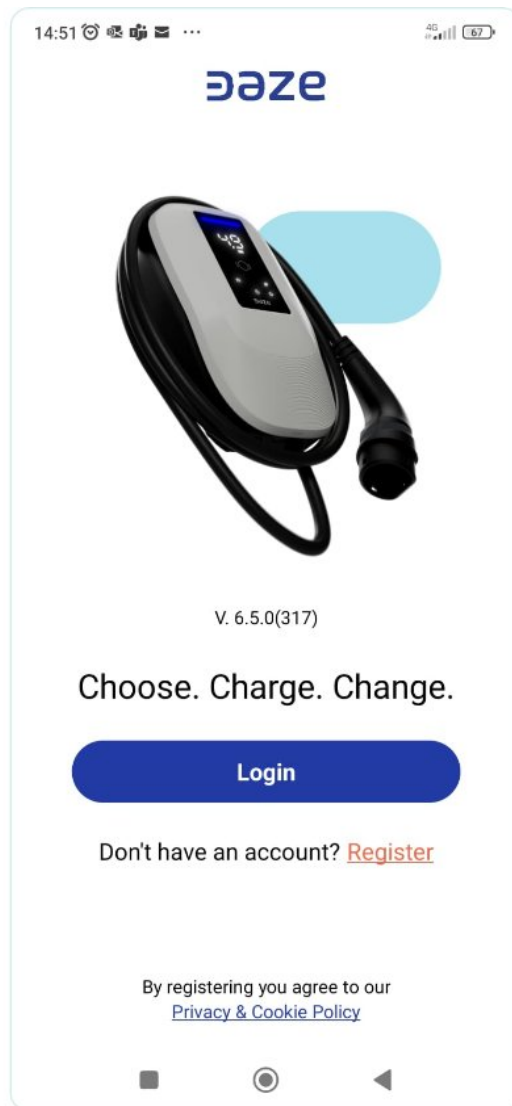
DAZE app

DAZE website: <https://daze.eu/app/>

- Google Play: <https://play.google.com/store/apps/details?id=com.daze.ble>
- Apple App Store: <https://apps.apple.com/it/app/daze/id1616674889>

3.2 Log in or register in the DAZE app

Open the app. Log in, or register a new account with the **Register** button and then log in.



Login page

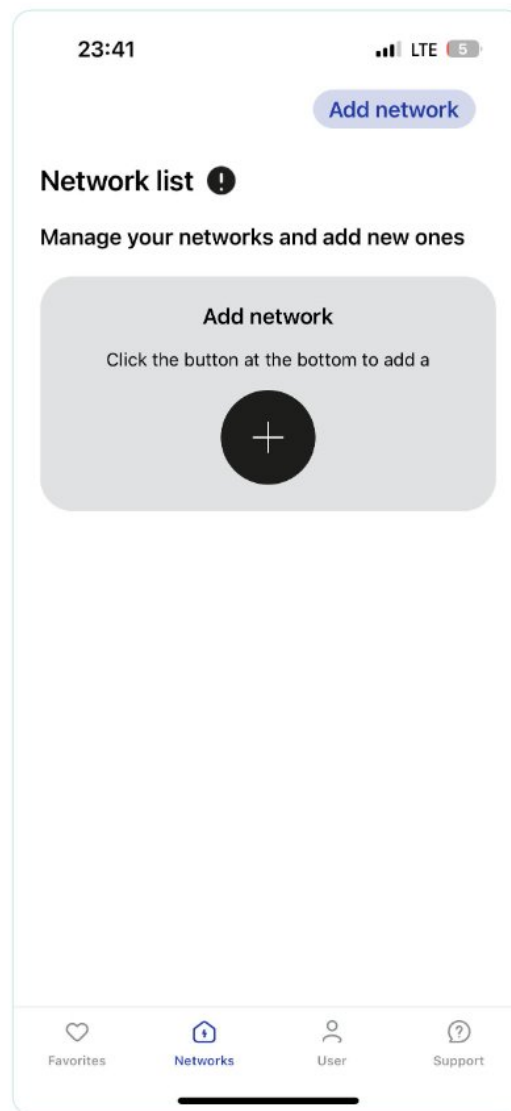
3.3 DAZE EV charger settings

After you log in, configure the DAZE charger in the app.

1

Add network

Add a network.

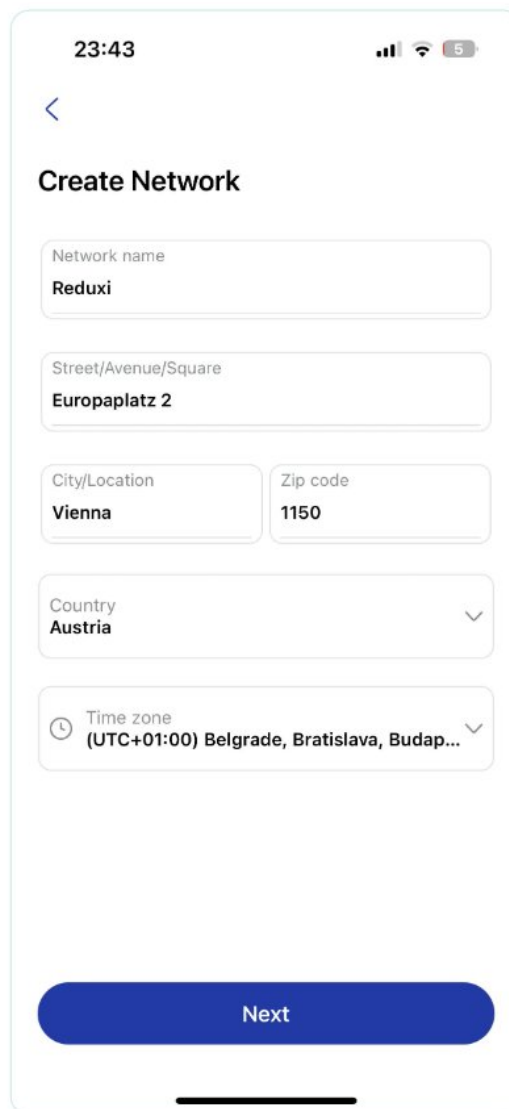


Add network

2

Create network

Create the network and fill in the required information.



A mobile application interface for creating a network. The screen shows a status bar at the top with the time 23:43, signal strength, Wi-Fi, and battery icons. Below the status bar is a back arrow. The title 'Create Network' is centered. The form consists of several input fields: 'Network name' with the value 'Reduxi', 'Street/Avenue/Square' with 'Europaplatz 2', 'City/Location' with 'Vienna', 'Zip code' with '1150', 'Country' with a dropdown menu showing 'Austria', and 'Time zone' with a dropdown menu showing '(UTC+01:00) Belgrade, Bratislava, Budap...'. At the bottom is a large blue button labeled 'Next'.

23:43

<

Create Network

Network name
Reduxi

Street/Avenue/Square
Europaplatz 2

City/Location
Vienna

Zip code
1150

Country
Austria

Time zone
(UTC+01:00) Belgrade, Bratislava, Budap...

Next

Create network

3

System parameters

Enter the system parameters.

23:43

<

System parameters

Type of meter

Single phase ☐

Three phase ☒

Meter power

Meter power [kW]

17

Next

System parameters

4

PV system parameters

Enter the PV system parameters (if a PV system is installed).

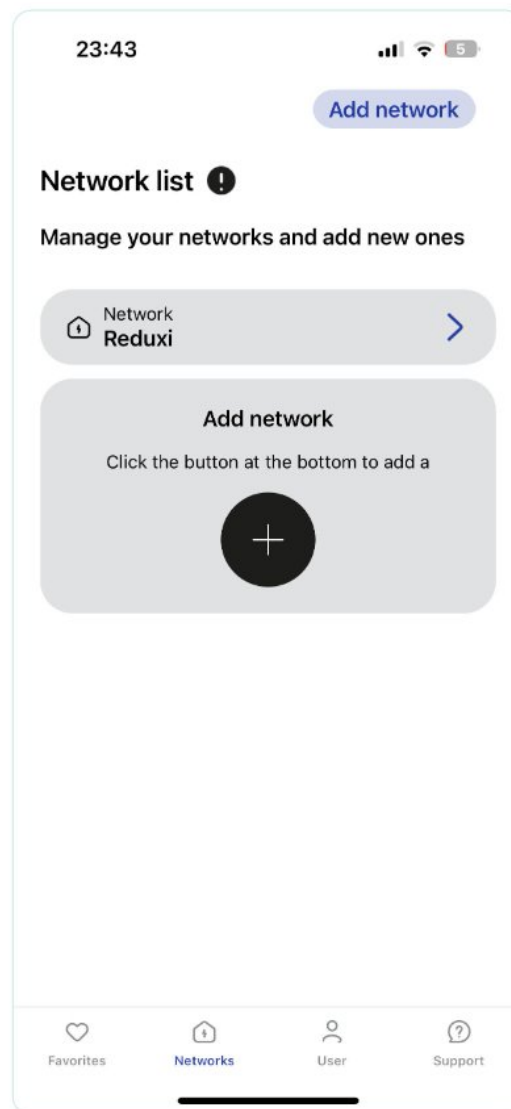
A mobile application interface for setting photovoltaic system parameters. The screen has a white background with rounded corners. At the top, the status bar shows the time 23:43, signal strength, Wi-Fi, and battery level at 5%. Below the status bar is a blue back arrow. The title 'Photovoltaic system parameters' is centered in bold black text. Underneath is a toggle switch labeled 'Photovoltaic' with a small grid icon to its left. The toggle is currently turned off. At the bottom of the screen is a large blue rounded rectangle button with the word 'Create' in white text. A black horizontal line is visible just above the button.

PV system parameters

5

Network list

Choose the newly added network from the network list.

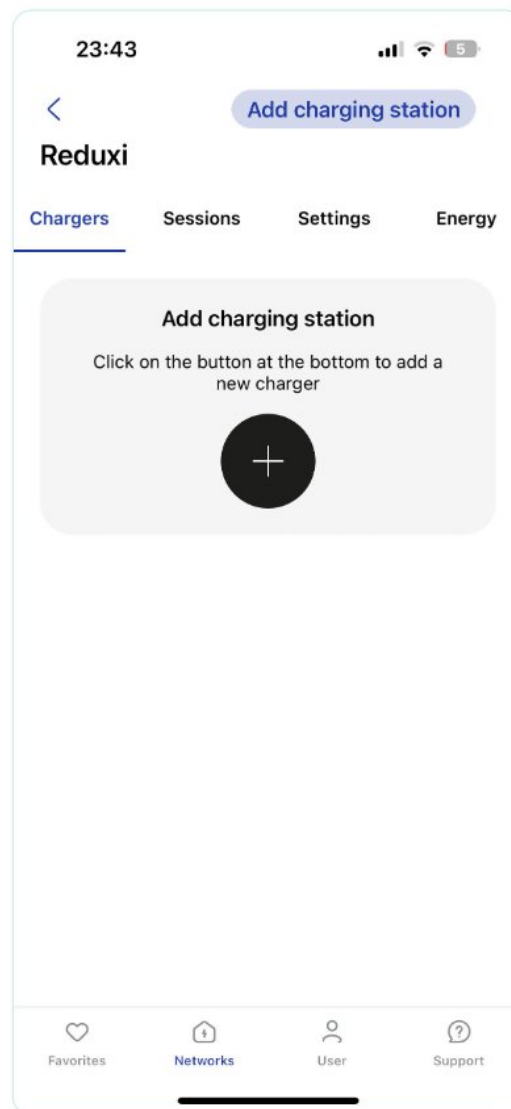


Choose the network

6

Add charging station

Add a charging station.



Add charging station

7

Scan the QR code

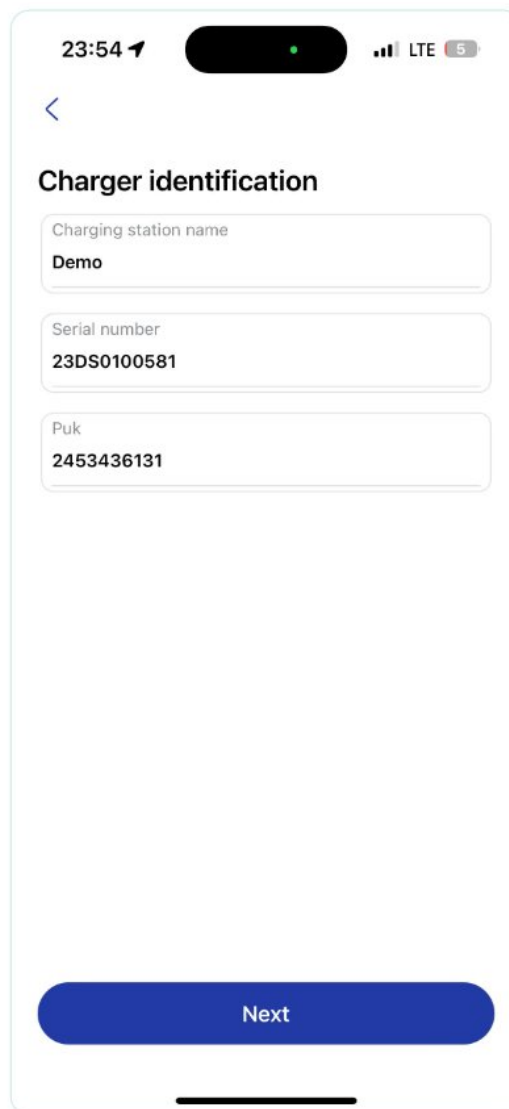
Scan the QR code on the card.



Scan the QR code

Charger identification

Enter the charger identification from the card with the QR code.

A mobile application interface for 'Charger identification'. At the top, the status bar shows the time 23:54, a location arrow, a battery icon, LTE signal, and 5% battery. Below the status bar is a back arrow. The title 'Charger identification' is centered. There are three input fields: 'Charging station name' with the value 'Demo', 'Serial number' with the value '23DS0100581', and 'Puk' with the value '2453436131'. At the bottom is a large blue 'Next' button.

23:54   LTE 5

<

Charger identification

Charging station name
Demo

Serial number
23DS0100581

Puk
2453436131

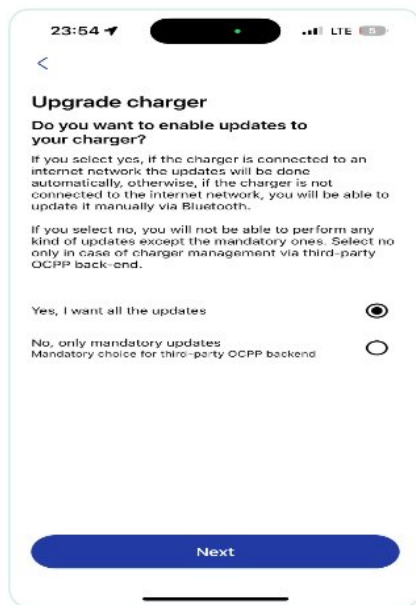
Next

Charger identification

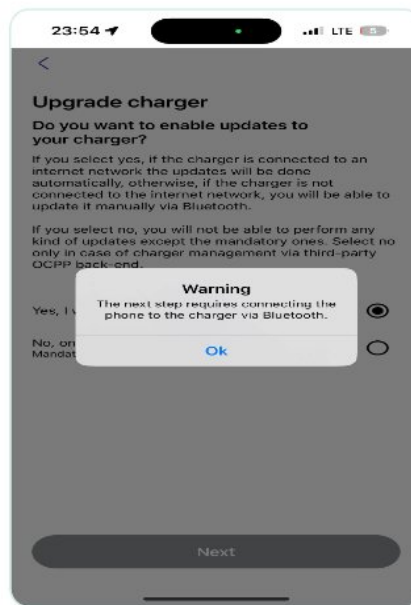
9

Update the charger

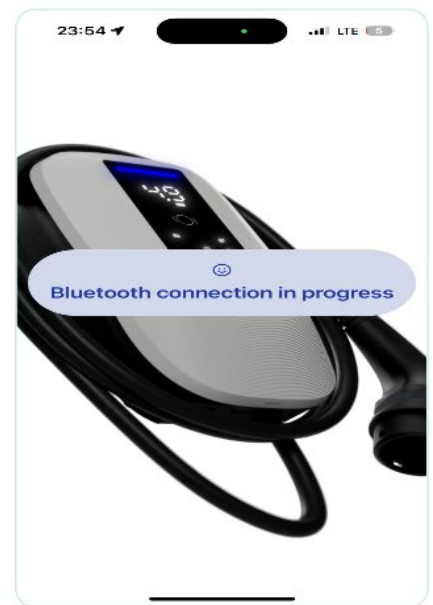
Update the charger.



Update 1



Update 2

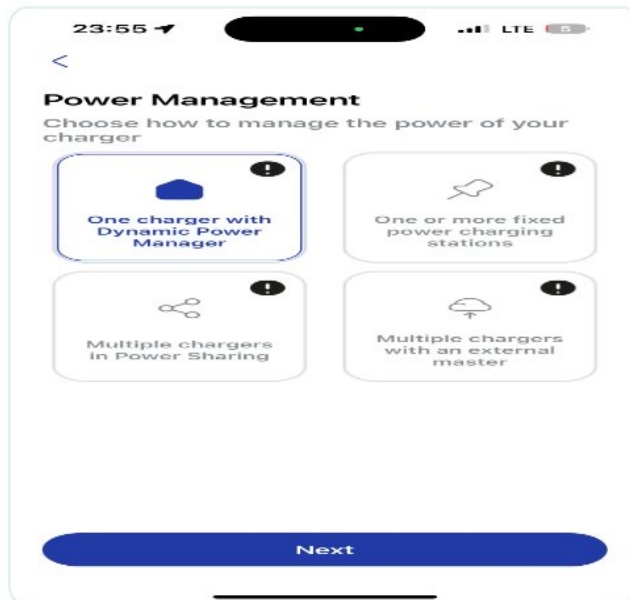


Update 3

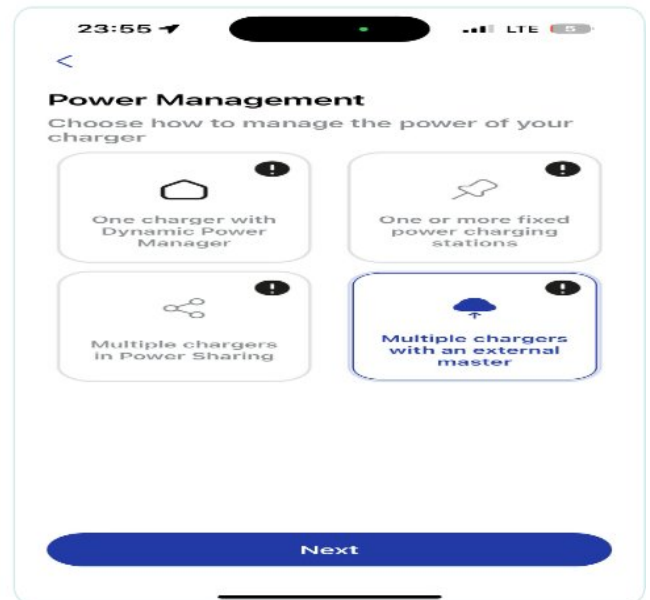
10

Power management

Choose your power management option.

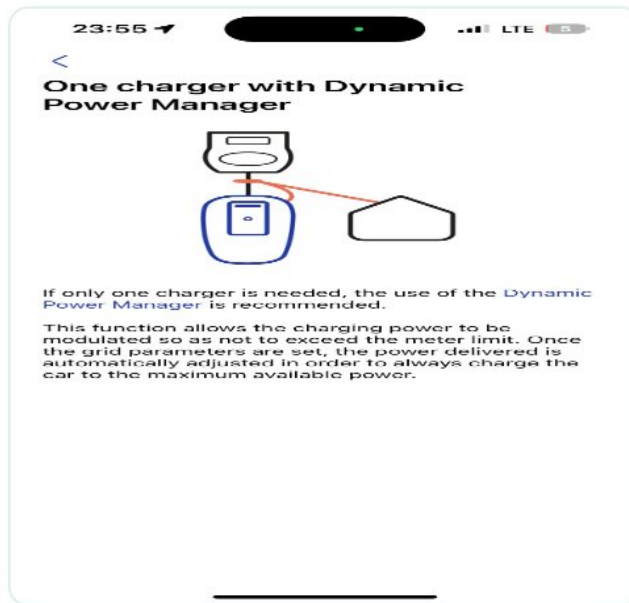


Power management options

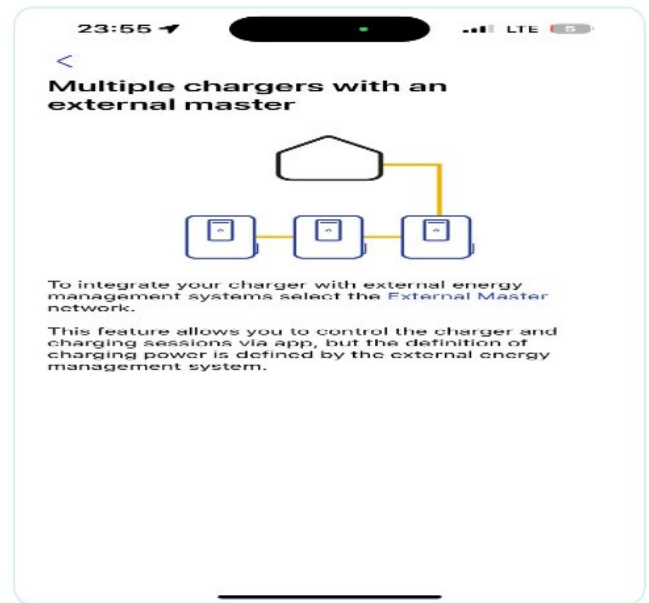


Power management

Tap the info sign on the previous screen for additional information.

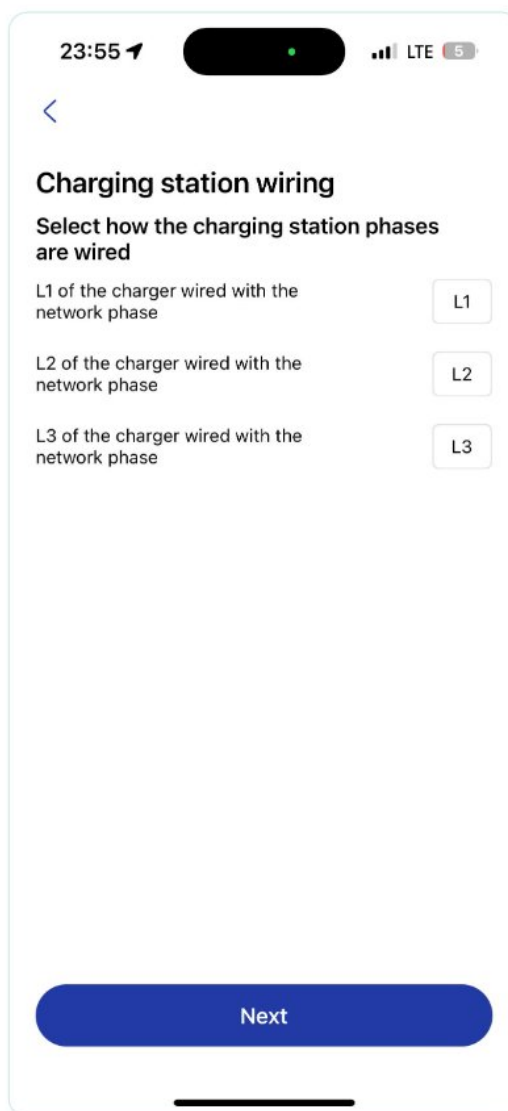


Information 1



Information 2

Select how the phases of the charging station are wired to the network phases.



The screenshot shows a mobile application interface for configuring a charging station. At the top, the status bar displays the time 23:55, a location arrow, a battery icon, LTE signal, and 5% battery level. Below the status bar is a back arrow. The main title is 'Charging station wiring'. Underneath is the instruction 'Select how the charging station phases are wired'. There are three options, each with a text label and a button:

- L1 of the charger wired with the network phase (L1 button)
- L2 of the charger wired with the network phase (L2 button)
- L3 of the charger wired with the network phase (L3 button)

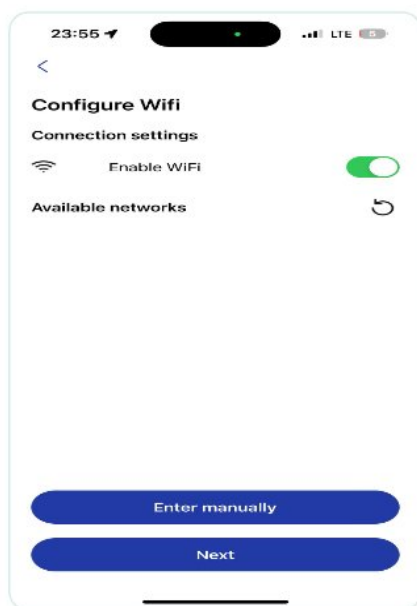
At the bottom, there is a large blue 'Next' button.

Charging station wiring

13

Configure Wi-Fi

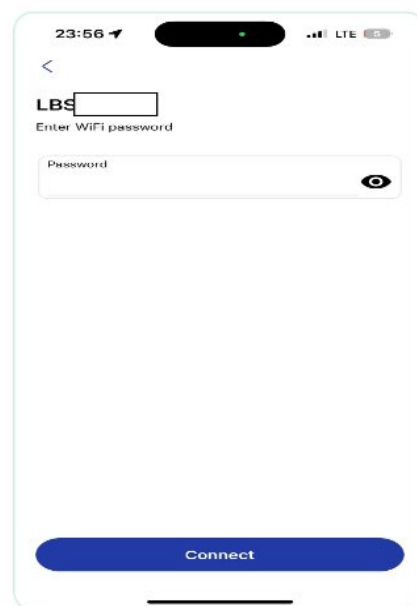
Choose the Wi-Fi network, log in to it and connect.



Wi-Fi 1



Wi-Fi 2

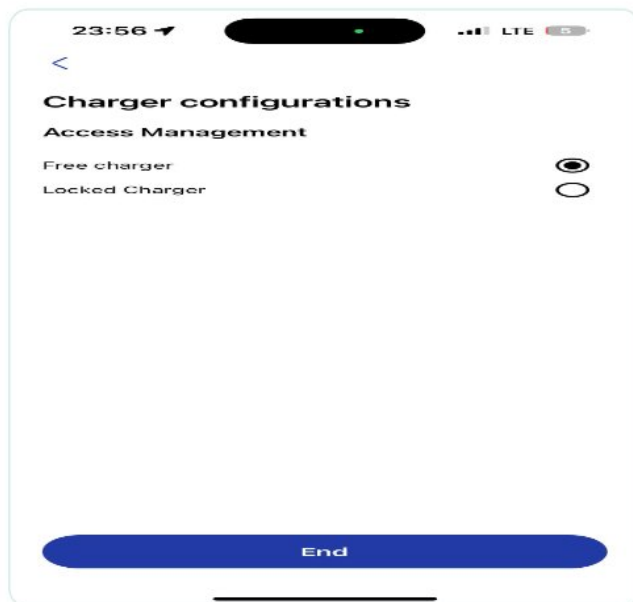


Wi-Fi 3

14

Charger configuration

This is the last configuration step.

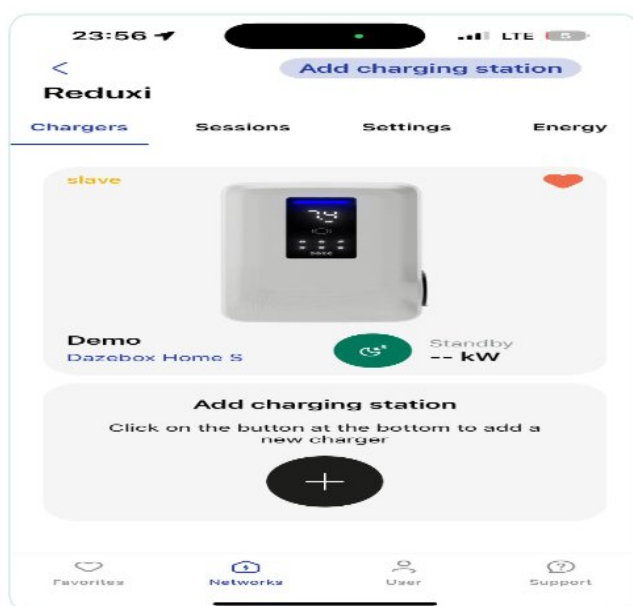


Charger configuration 1

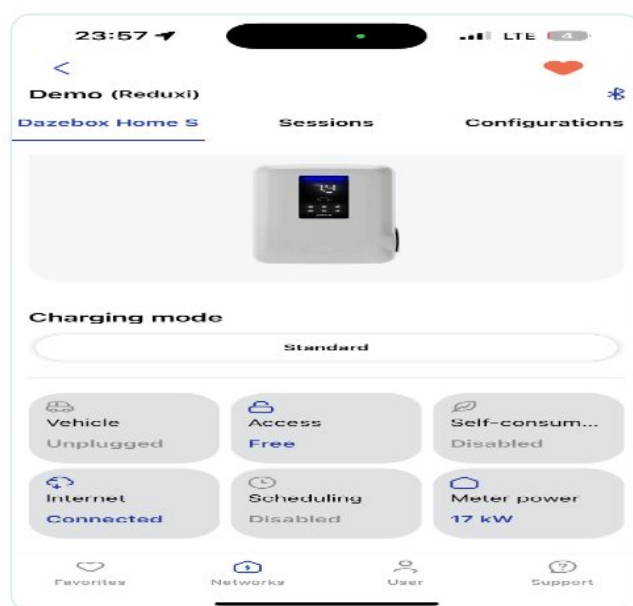


Charger configuration 2

The newly added device appears in the charger menu.

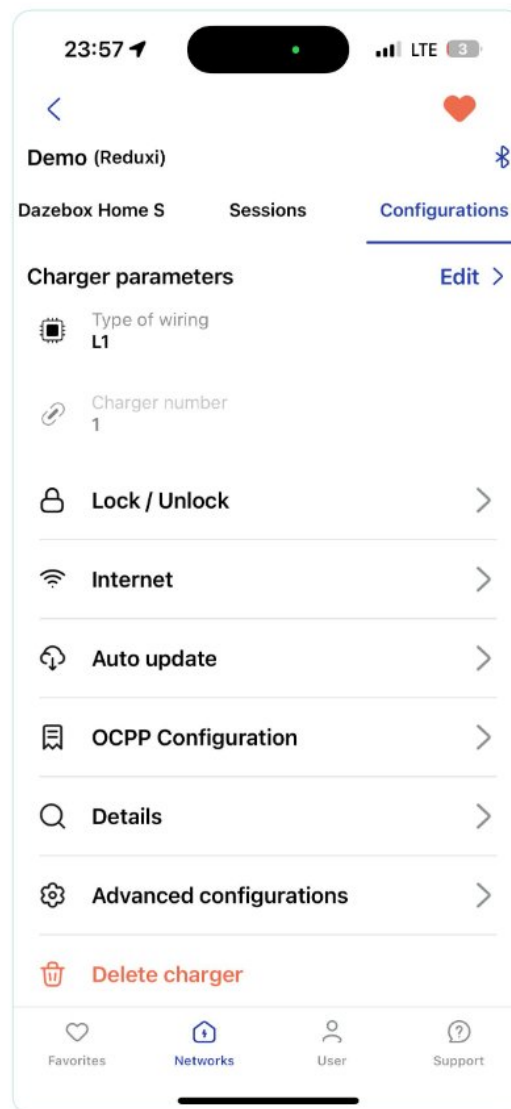


Charger menu 1



Charger menu 2

Extra settings are available under the charger parameters.



Charger parameters

3.4 Obtain the IP address of the DAZE charger

The DAZE app does not show the IP address of the charger. Obtain it from the local router.

One option is the [Advanced IP Scanner](#). It shows the IP addresses of the router and the DAZE charger.



Important

After you obtain the IP address of the DAZE charger, assign a static IP address on the router. This prevents future discrepancies.

4 Log in to the Reduxi web interface

You can open the Reduxi web interface in two ways:



Reduxi app

Via tunnel connection · works from anywhere

REMOTE



Web browser

In the local network · via IP address or reduxि.local

4.1 Via the Reduxi app

1 Open the app and log in

Launch the Reduxi app on your smartphone or tablet and log in with your credentials.

2 Open Reduxi devices

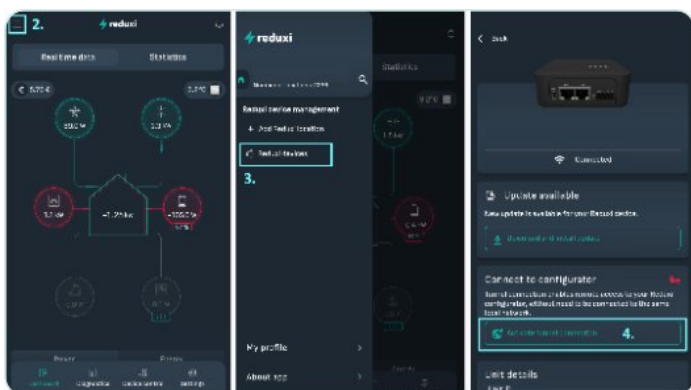
Tap the menu icon (three lines, top left) and select **Reduxi devices**.

3 Activate the tunnel connection

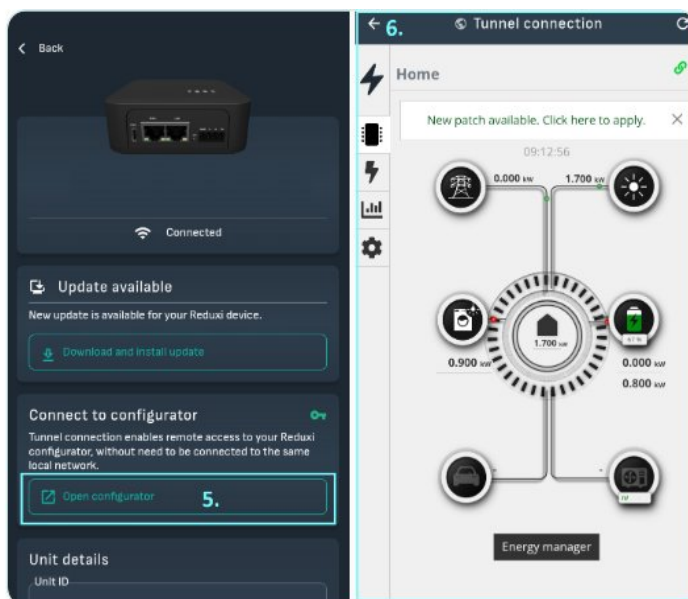
Switch on the tunnel connection and wait a moment until it is active.

4 Open the configurator

Tap **Open configurator**. The Reduxi web interface opens.



Activate the tunnel connection (step 3)



Open configurator (step 4)

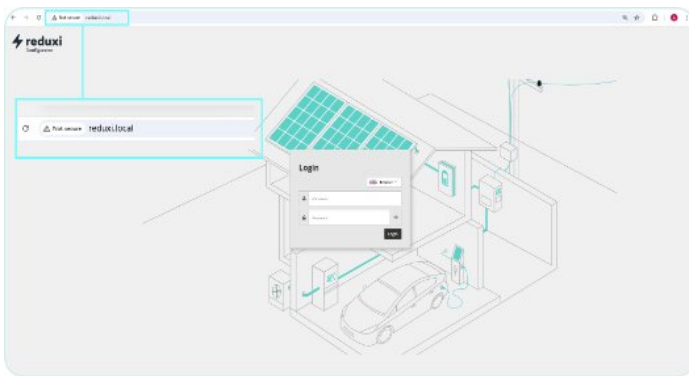
4.2 Via a web browser

1 Open the login page

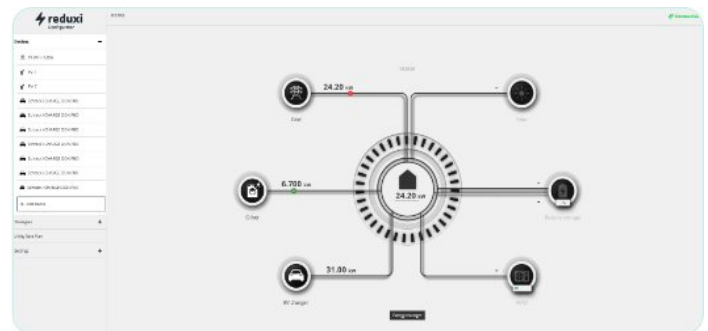
On a device in the same network, open a web browser and enter the controller's IP address or `http://reduxi.local`. You can find the controller's IP address in your router's device list or in the Reduxi app under **Reduxi devices**.

2 Log in

Username: `admin` · Password: `admin` (factory default)



Reduxi Controller login screen



Controller web interface after login

5 Add the DAZE charger to Reduxi

Use these steps to add a new DAZE charger or to edit an existing one.

5.1 Basic settings

Log in locally to the [Reduxi Configurator](#) (see [Point 4](#)) and click **+ Add device**.

reduxi[⚡]

CONFIGURATOR

Devices



Strategies



+ Add device

+ Add strategy

Settings

Profile

*The **Add device** button*

In the first step, select the basic settings:

- Device type: EV charger
- Type: Dazebox
- Name: a name of your choice

1Basic settings2Communication channel3Advanced settings

Basic settings

Device type *

EV charger

Type *

Dazebox

Category *

EV charger

Name *

Dazebox

Back

Next

Basic settings: device type, type and name

5.2 Communication settings

The second step sets the communication channel for Modbus TCP/IP. Enter:

PARAMETER	VALUE
IP	The IP address of the charger from Point 3 , point 3.4
Modbus ID	Default 1

1Basic settings2Communication channel3Advanced settings

Communication channel and device configuration

Connection *

TCP/IP

IP *

Port *

502

Modbus unit ID *

1

Back

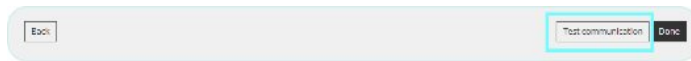
Test communication

Next

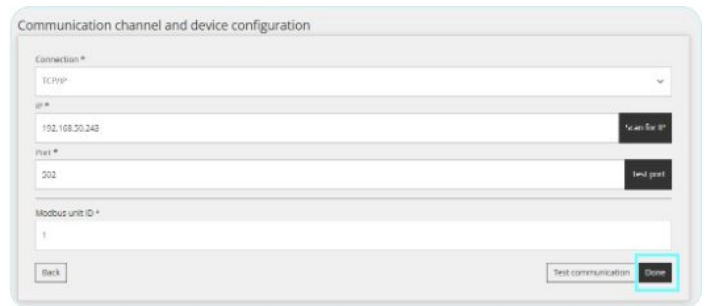
Communication settings

5.3 Test communication

Click **Test communication** at the bottom of the wizard. It reads the DAZE charger once and saves nothing. If the test succeeds, click **Done**: only **Done** creates the device.



The **Test communication** button



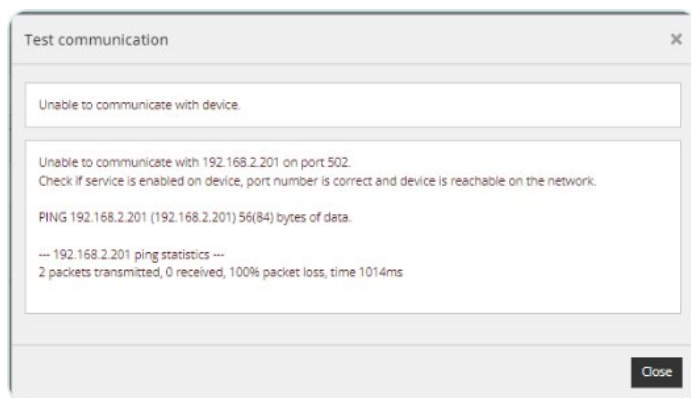
The **Done** button

Besides the successful result, the test can return two error cases:

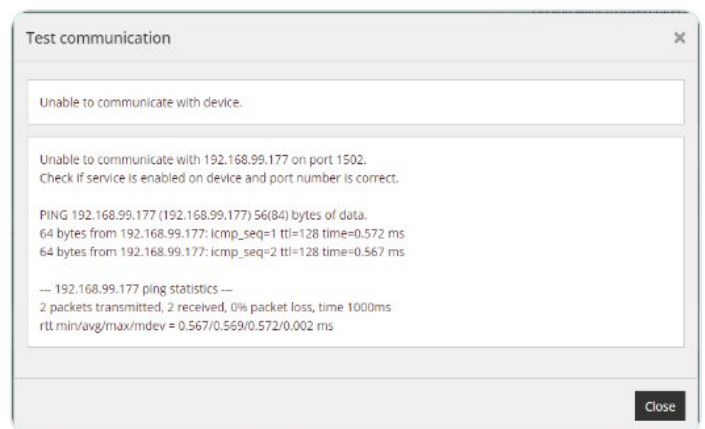
CASE	MEANING
Unable to communicate with the device on IP (example 192.168.2.201)	The IP address of the device is different. Check the IP address.

Port is not correct

The chosen port is wrong. Check the port for Modbus TCP/IP.



Error: the IP address is not correct



Error: the port is not correct



Note

The wizard has three steps. After a successful test, click **Next** and set the advanced settings (see Point 5.4). **Done** is in the third step.

5.4 Default parameters

Fill in the advanced settings and choose the parameters shown in the image. The settings can vary depending on the needs of the location. When you are done, click **Done**.

1Basic settings

2Communication channel

3Advanced settings

Advanced settings

Do you want to set data saving interval?

☐ No

Default: 1 min

Do you want to set reading delay?

☐ No

Default: 1000 ms

Do you want to set writing delay?

☐ No

Default: 1000 ms

Do you want to set power generation limits and capabilities?

☐ No

Do you want to set power consumption limits and capabilities?

☐ No

Do you want to limit communication with the device to read-only?

☐ No

Default: No

Do you want to invert direction for energy import and export?

☐ No

Default: No

Do you want to exclude device from summary?

☐ No

Default: No

L1 is connected to main feed

L1

L2 is connected to main feed

L2

L3 is connected to main feed

L3

Back

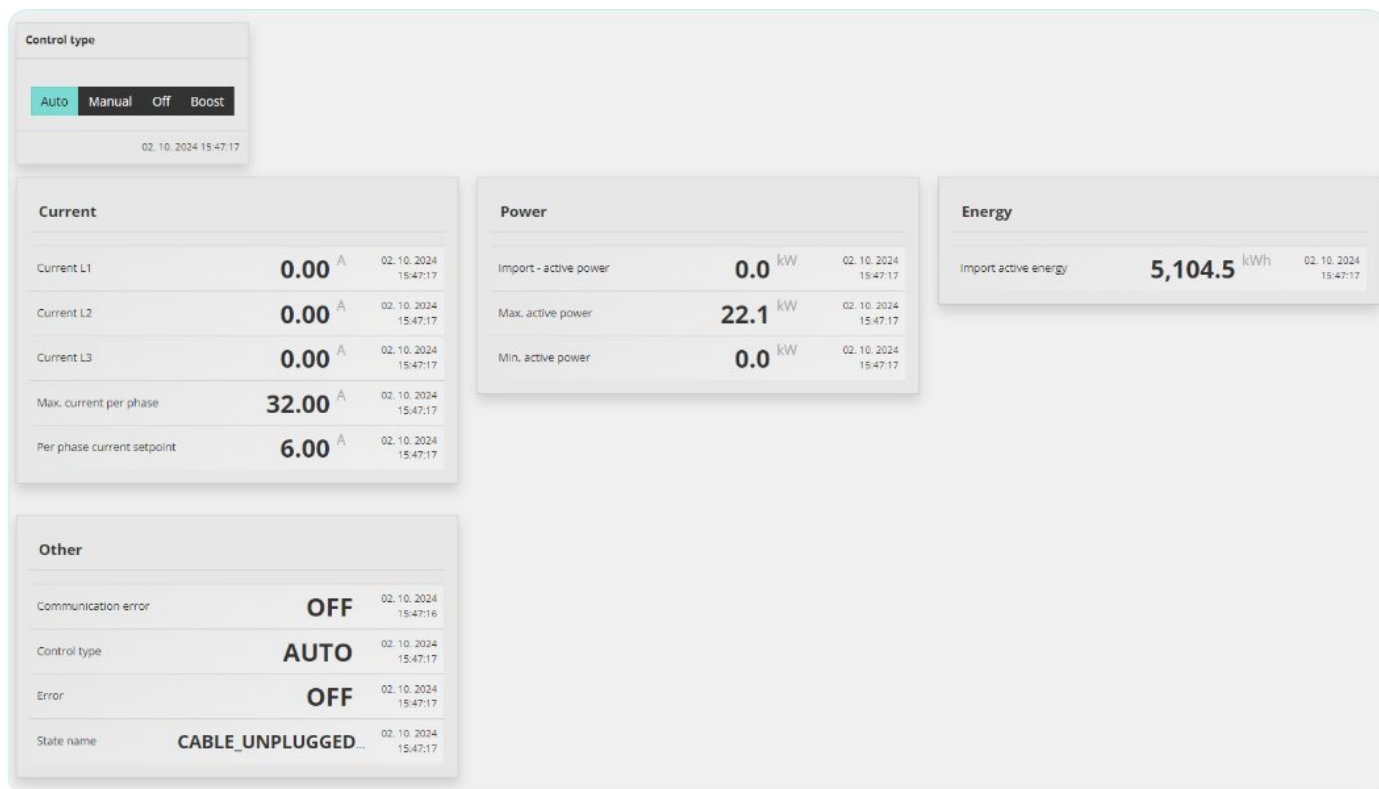
Done

Advanced settings

6 Check the readings

6.1 Last measurements

Check the readings of the device under **Devices – Last measurements** in the Reduxi Configurator.



Readings from the device

6.2 Enable control by Reduxi

For advanced charger control, integrate the device into the Reduxi strategy. Under **Devices – DAZE charger** in the [Reduxi Configurator](#), set the **control type** to **AUTO**. Only then do strategy commands affect the charger.

To achieve maximum flexibility and energy cost reduction with dynamic prices and dynamic tariffs, define a strategy as described in [Strategies for Reduxi controller](#).

After you have added the device, you can also monitor it in the [cloud application Reduxi](#).

✓ Summary

Preparation (Points 1–2): Get the manuals from the DAZE download center. Prepare the charger, the DAZE app, a Wi-Fi network and a laptop.

DAZE charger (Point 3): Install the DAZE app, register, configure the charger and find its IP address. Assign a static IP on the router.

Add to Reduxi (Points 4–5): Log in to the Reduxi web interface. Add an EV charger of type Dazebox with IP and Modbus ID, run Test communication and set the advanced settings.

Go live (Point 6): Check the last measurements. Set the control type to AUTO and define a strategy.

→ Common issues

ISSUE	SOLUTION
Test communication: unable to communicate with the device	The IP address of the device is different. Check the IP address of the charger on the router.
Test communication: port is not correct	Check the port for Modbus TCP/IP.
The IP address of the charger changes	Assign a static IP address to the charger on the router.
Open configurator does not open or stays empty	The tunnel is not active yet. Wait about 30 seconds and check that the controller is online.
Login with <code>admin</code> is rejected	The password was changed during installation. Ask the installer. The Reduxi account password does not work here.
<code>reduxi.local</code> does not load	Your device is not in the same network as the controller. Use the IP address or the tunnel connection.
Communication test fails, device shows offline	Check reachability, IP address / port / unit ID, and that the protocol is enabled on the device.

→ Related articles

Matching guides from the Reduxi knowledge base:



DAZE download center

Installation manuals, datasheets and CE declarations of conformity for the Dazebox models.



Device setup guides

All step-by-step guides for connecting devices to the Reduxi Controller



List of supported devices

All devices that work with the Reduxi Controller



Strategies for the Reduxi Controller

Energy manager and other strategies explained