

How to connect DAZE charger (Dazebox) with Reduxi controller

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)

Text description of this image

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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

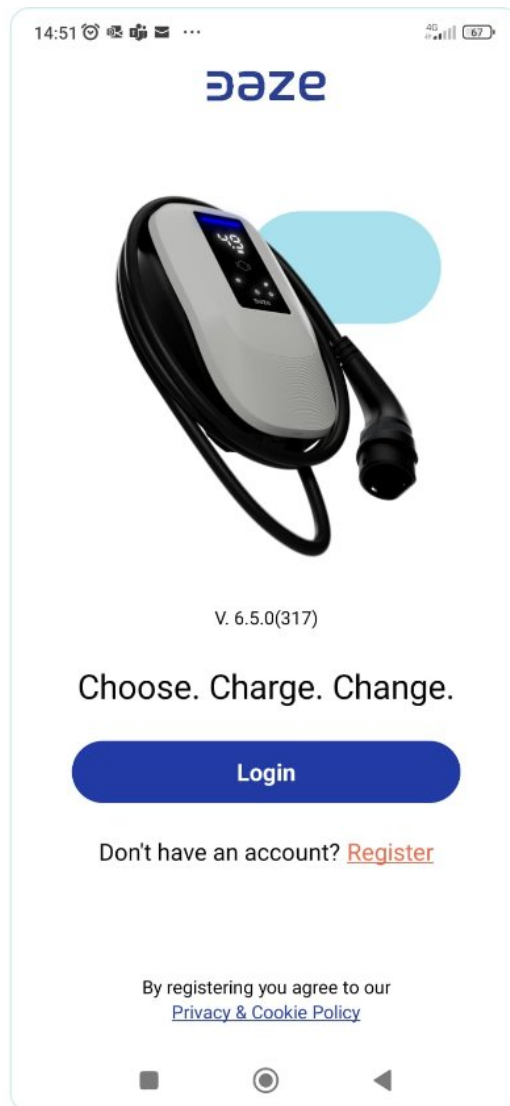
Text description of this image

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

Text description of this image

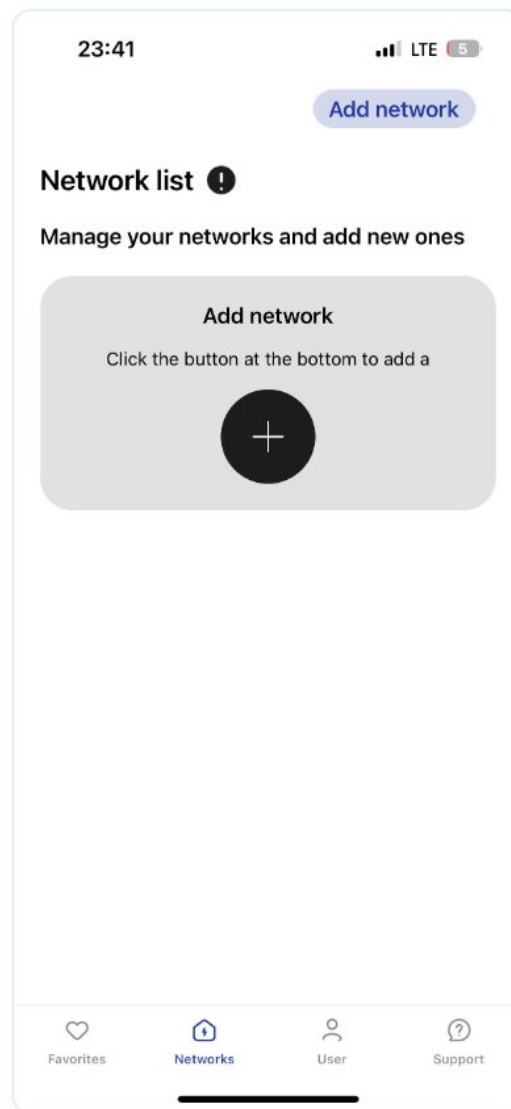
3.3 DAZE EV charger settings

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

1

Add network

Add a network.



Add network

1. Text description of this image

Screenshot of a phone app screen (DAZE app per the existing alt text) with an empty network list. Status bar: time 23:41, signal bars, LTE, battery showing 5 with a red edge. Top right: a light blue pill

2

Create network

Create the network and fill in the required information.

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

1. Text description of this image

Screenshot of a phone app screen "Create Network" (DAZE app per the existing alt text). Phone status bar: time 23:43, signal bars, Wi-Fi icon, battery showing 5. Blue back arrow top left. Heading:

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

1. Text description of this image

Screenshot of a phone app screen "System parameters" (DAZE app per the existing alt text). Status bar: time 23:43, signal bars, Wi-Fi icon, battery showing 5 with a red edge. Blue back arrow at the top.

4

PV system parameters

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



PV system parameters

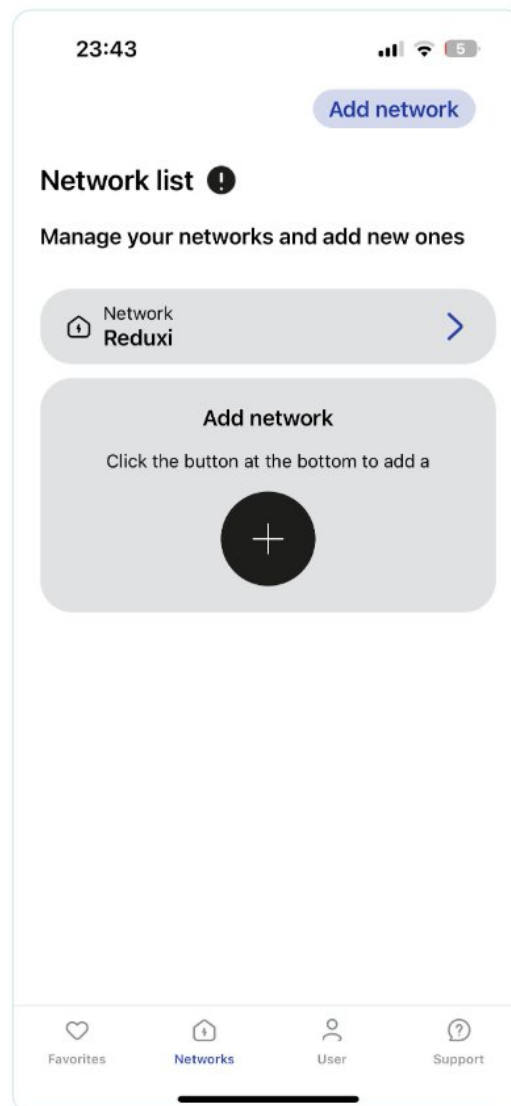
1. Text description of this image

Screenshot of a phone app screen "Photovoltaic system parameters" (DAZE app per the existing alt text). Status bar: time 23:43, signal bars, Wi-Fi icon, battery showing 5 with a red edge. Blue back

5

Network list

Choose the newly added network from the network list.



Choose the network

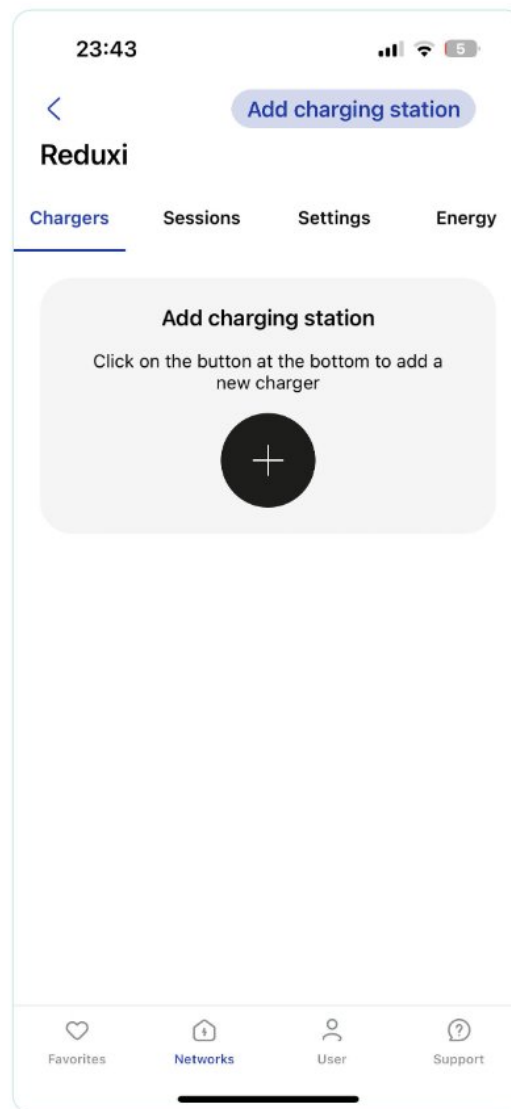
1. Text description of this image

Screenshot of a phone app screen (DAZE app, as named in the article), portrait, iOS style. Status bar: time 23:43, signal bars, Wi-Fi icon, battery icon showing 5. Top right: button "Add network" (light

6

Add charging station

Add a charging station.



Add charging station

1. Text description of this image

Screenshot of a phone app screen listing chargers of the network "Reduxi" with no charger yet (DAZE app per the existing alt text). Phone status bar: time 23:43, signal bars, Wi-Fi icon, battery showing 5

7

Scan the QR code

Scan the QR code on the card.



Scan the QR code

1. Text description of this image

Photo series in one tall image (portrait phone photo) of a DAZE wall charger opened for installation, taken at night with a green light cast. Top: the back plate of the charger mounted on a rough light

8

Charger identification

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

23:54 LTE 5

<

Charger identification

Charging station name
Demo

Serial number
23DS0100581

Puk
2453436131

Next

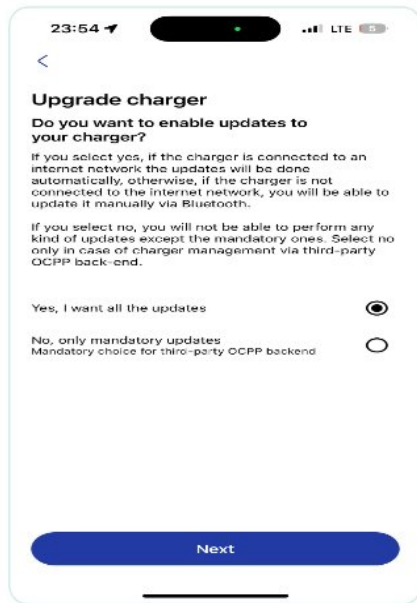
Charger identification

1. Text description of this image

Screenshot of a phone app screen "Charger identification" (DAZE app per the existing alt text). Phone status bar: time 23:54 with a location arrow. Dynamic Island with a green dot, signal bars, LTE, battery.

Update the charger

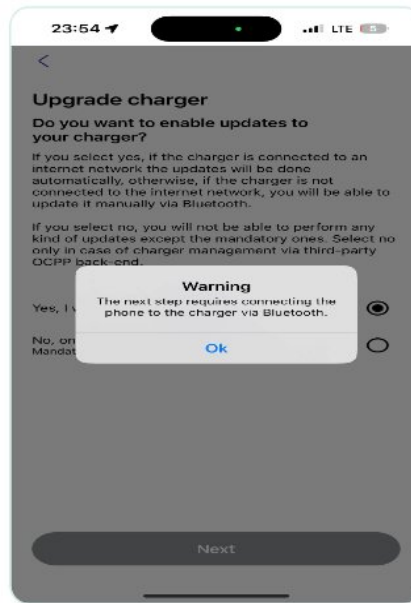
Update the charger.



Update 1

1. Text description of this image

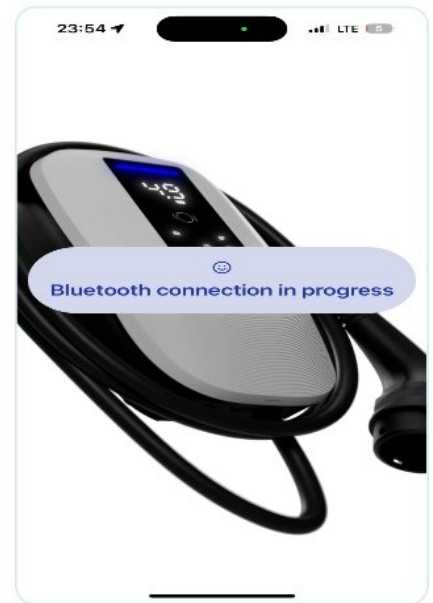
Screenshot of a phone app screen "Upgrade charger" (DAZE



Update 2

2. Text description of this image

Screenshot of a phone app screen "Upgrade charger" (DAZE



Update 3

3. Text description of this image

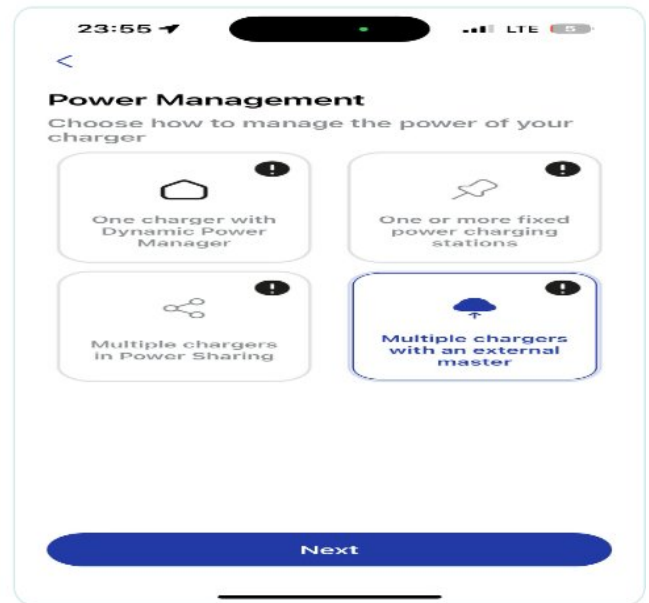
Screenshot of a phone app screen (DAZE app per the

Power management

Choose your power management option.



Power management options



Power management

1. Text description of this image

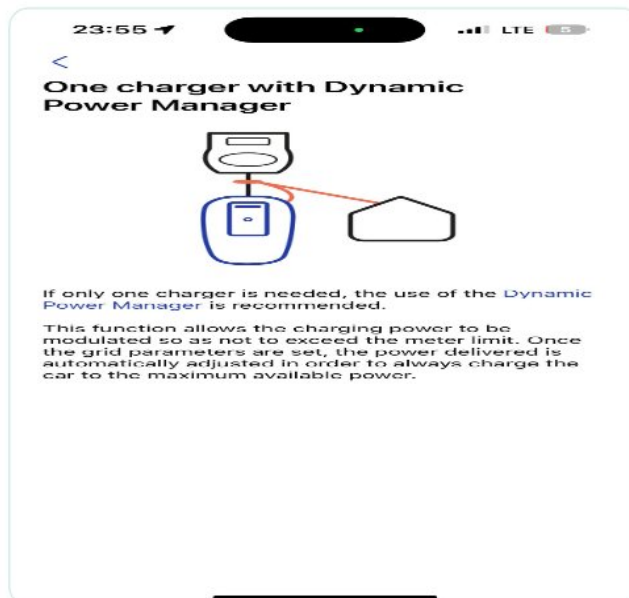
Screenshot of a phone app screen "Power Management" (DAZE app per the existing alt text).

2. Text description of this image

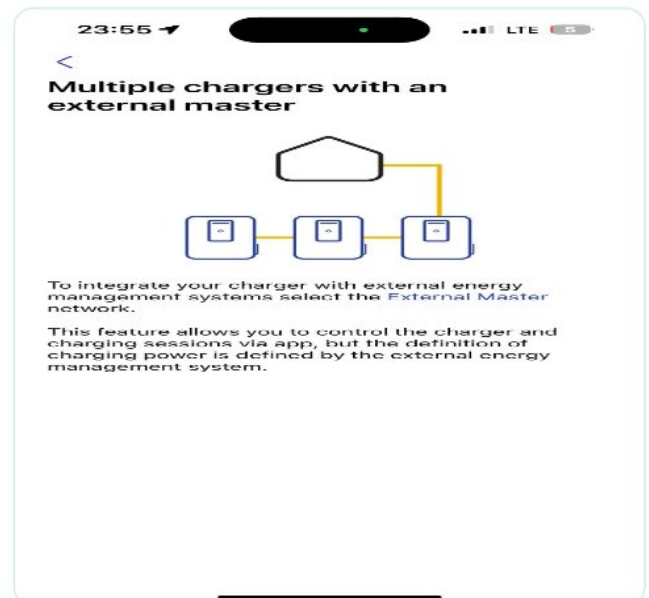
Screenshot of a phone app screen "Power Management" (DAZE app per the existing alt text).

Info sign

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



Information 1



Information 2

1. Text description of this image

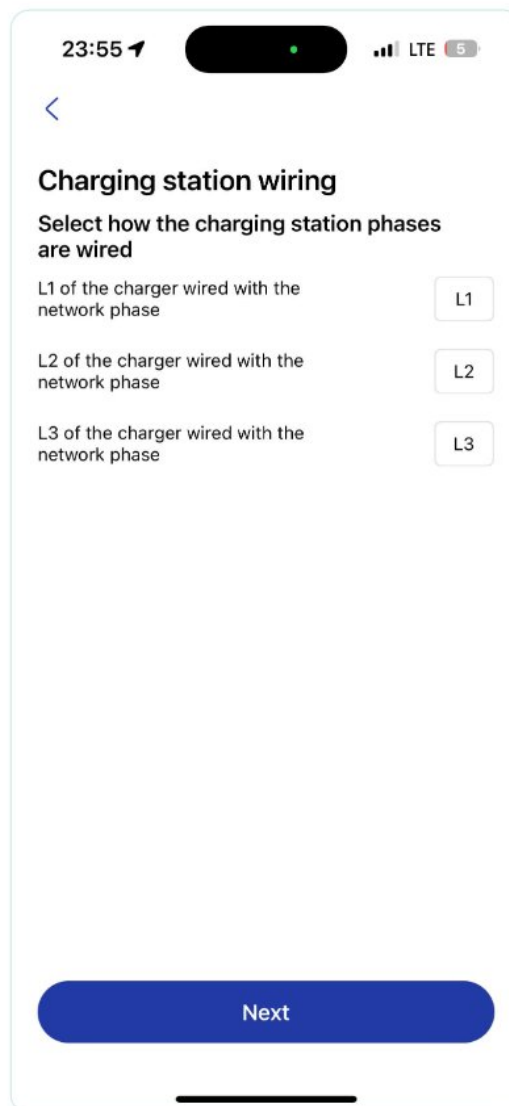
Screenshot of an information screen in the DAZE app on a phone. Status bar: time 23:55 with a

2. Text description of this image

Screenshot of a phone app information screen "Multiple chargers with an external master" (DAZE

Charging station wiring

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



Charging station wiring

1. Text description of this image

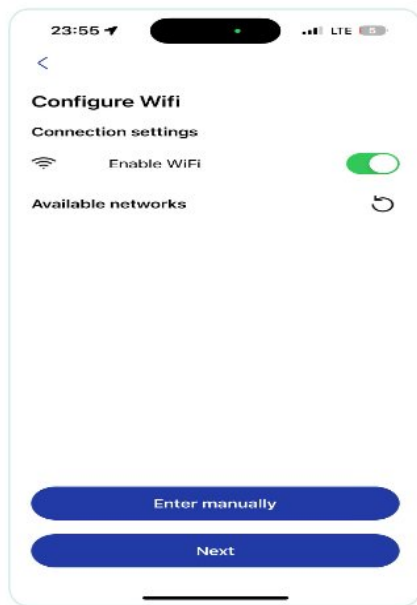
Screenshot of a phone app screen "Charging station wiring" (DAZE app per the existing alt text).

Phone status bar: time 23:55 with a location arrow, Dynamic Island with a green dot, signal bars, LTE

13

Configure Wi-Fi

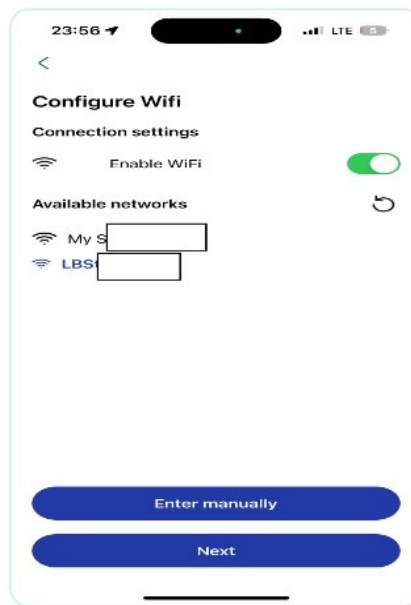
Choose the Wi-Fi network, log in to it and connect.



Wi-Fi 1

1. Text description of this image

Screenshot of a phone app screen "Configure Wifi" (DAZE



Wi-Fi 2

2. Text description of this image

Screenshot of a phone app screen "Configure Wifi" (DAZE



Wi-Fi 3

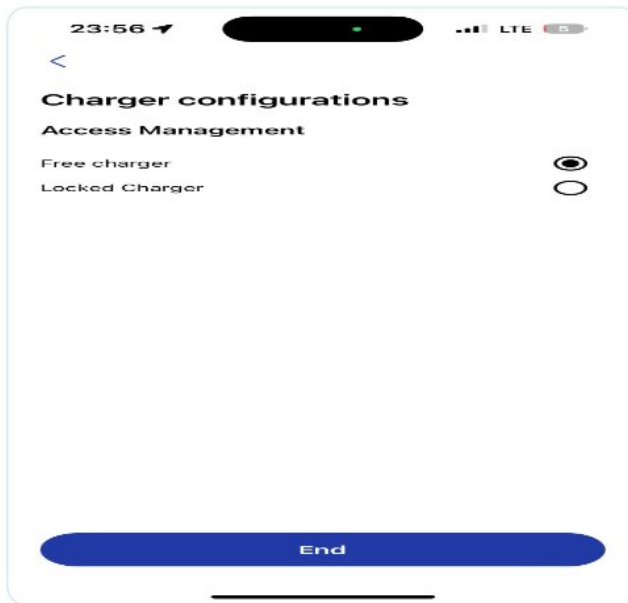
3. Text description of this image

Screenshot of a phone app screen to enter a Wi-Fi

14

Charger configuration

This is the last configuration step.



Charger configuration 1



Charger configuration 2

1. Text description of this image

Screenshot of a phone app screen "Charger configurations" (DAZE app per the existing alt

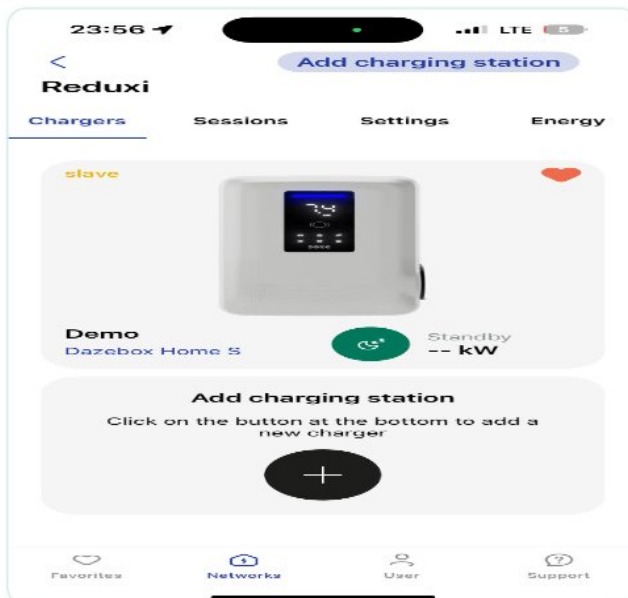
2. Text description of this image

Screenshot of a phone app screen (DAZE app per the existing alt text) with a photo background of

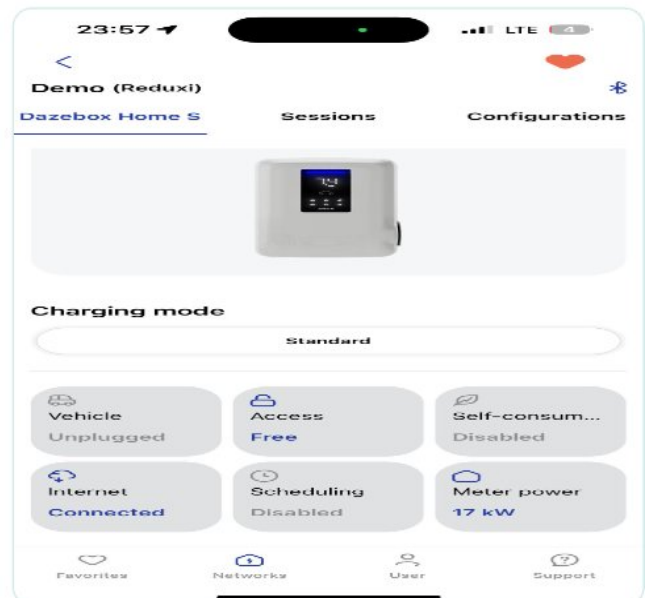
15

Charger menu

The newly added device appears in the charger menu.



Charger menu 1



Charger menu 2

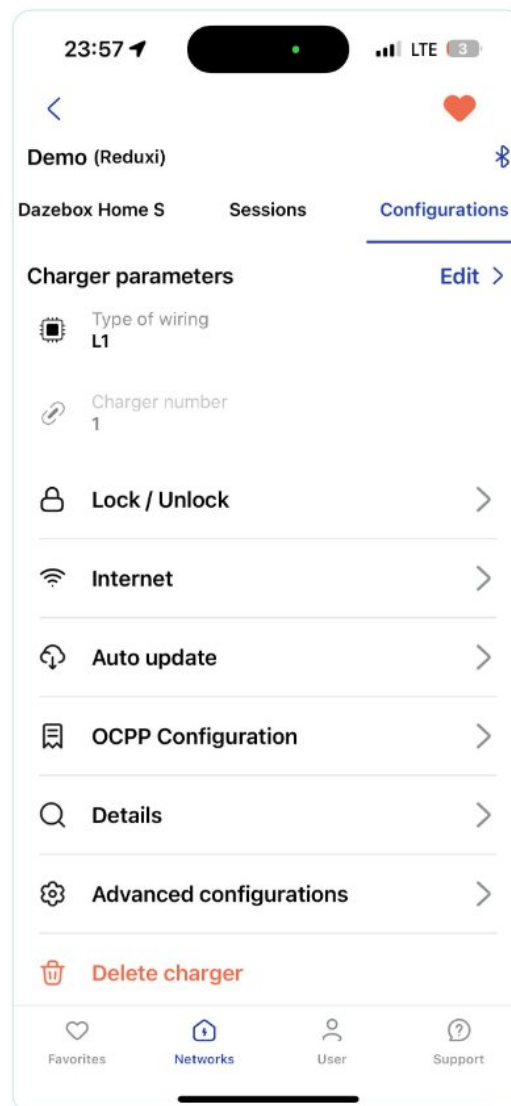
1. Text description of this image

Screenshot of a phone app screen listing chargers (DAZE app per the existing alt text).

2. Text description of this image

Screenshot of a phone app charger screen (DAZE app per the existing alt text). Phone status bar:

Extra settings are available under the charger parameters.



Charger parameters

1. Text description of this image

Screenshot of a phone app screen with the charger parameters (DAZE app per the existing alt text). Phone status bar: time 23:57 with a location arrow. Dynamic Island with a green dot. signal bars, LTE.

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:



REMOTE

Reduxi app

Via tunnel connection · works from anywhere



Web browser

In the local network · via IP address or `reduxi.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

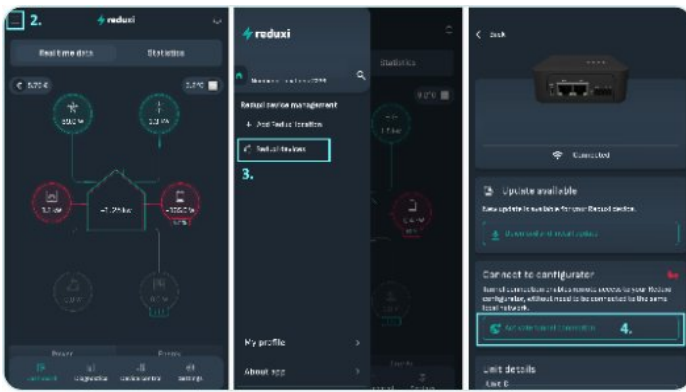
Activate the tunnel connection

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

4

Open the configurator

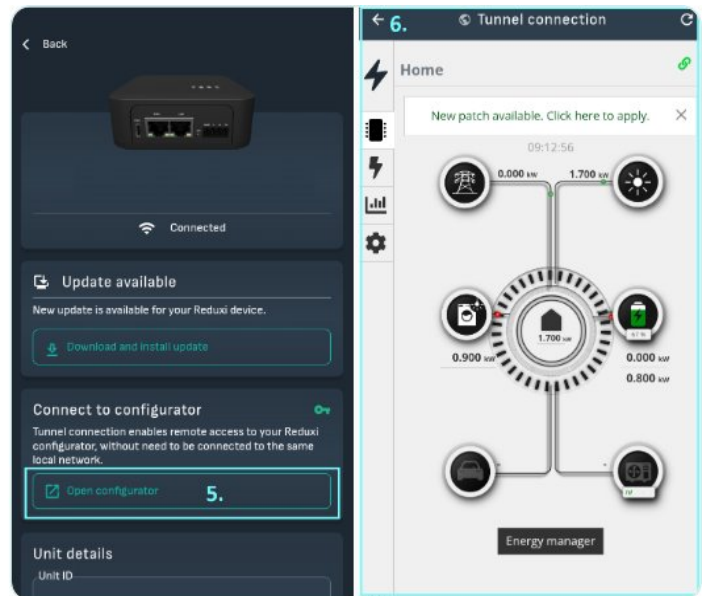
Tap **Open configurator**. The Reduxi web interface opens.



Activate the tunnel connection (step 3)

Text description of this image

Screenshot of three Reduxi mobile app screens side by side, with cyan boxes and number badges 2 to 4. Left screen (dashboard, dark theme): menu icon at top left marked with a box and badge 2; 'reduxi' logo; tabs 'Real time data' (active) and 'Statistics'; price 5.79



Open configurator (step 4)

Text description of this image

Screenshot of the Reduxi mobile app showing the 'Update available' screen and the 'Tunnel connection' screen.

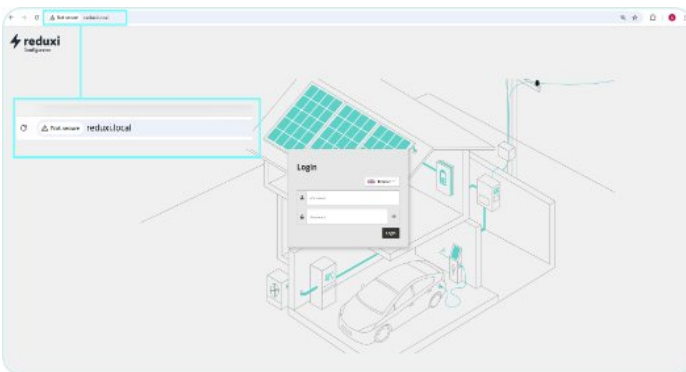
4.2 Via a web browser

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**.

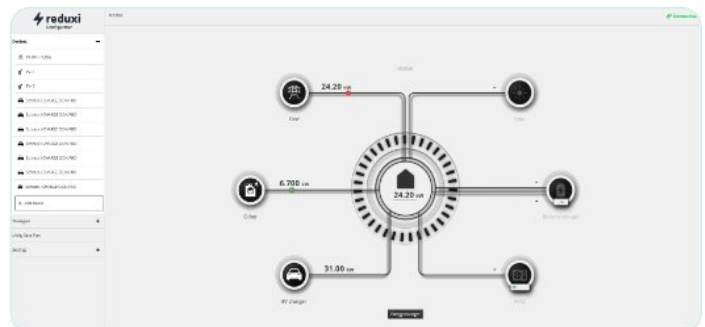
2 Log in

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



Reduxi Controller login screen

Text description of this image



Controller web interface after login

2. Text description of this image

Screenshot of the Reduxi Configurator web interface

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

Text description of this image

In the first step, select the basic settings:

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

Basic settings

Device type *

EV charger

Type *

Dazebox

Category *

EV charger

Name *

Dazebox

Back

Next

Basic settings: device type, type and name

Text description of this image

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

1 Basic settings 2 Communication channel 3 Advanced settings

Communication channel and device configuration

Connection *
TCP/IP

IP *

Port *
502

Modbus unit ID *
1

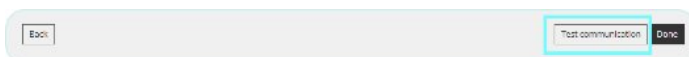
Back Test communication Next

Communication settings

Text description of this image

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

Text description of this image

Screenshot of the bottom button bar of a Reduxi Configurator page. Left: button 'Back'. Right: button 'Test communication' (marked with a cyan box) and dark button 'Done'.

Communication channel and device configuration

Connection *
TCP/IP

IP *
192.168.20.248 Search for IP

Port *
202 Find port

Modbus unit ID *
1

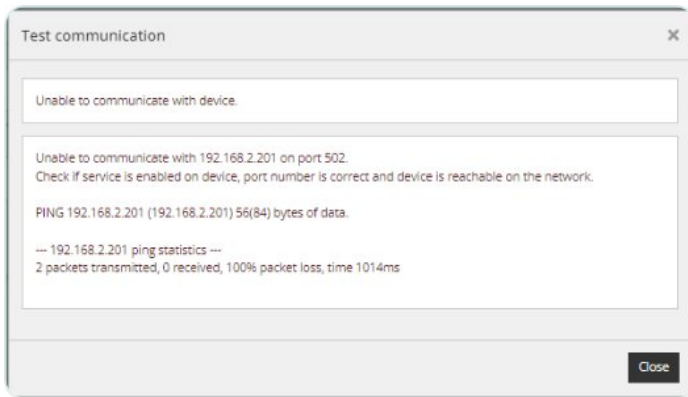
Back Test communication Done

The **Done** button

2. Text description of this image

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

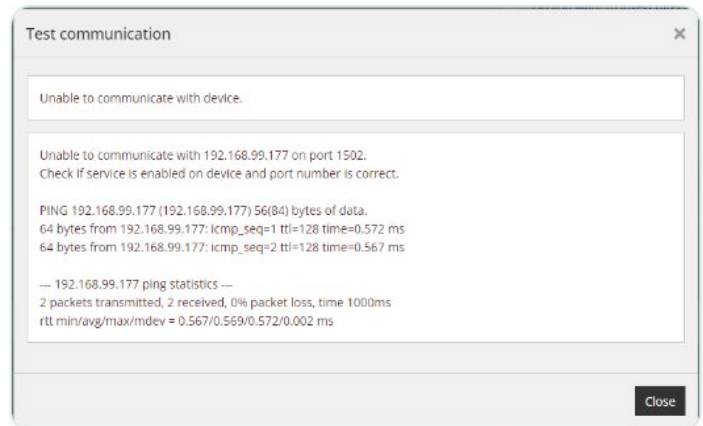
CASE	MEANING
Unable to communicate with the device on IP (example 192.168.2.201)	The IP address of the device is different. Check the IP address.
Port is not correct	The chosen port is wrong. Check the port for Modbus TCP/IP.



Error: the IP address is not correct

Text description of this image

Screenshot of a dialog titled "Test communication"



Error: the port is not correct

2. Text description of this image



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**.

1 Basic settings
2 Communication channel
3 Advanced 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

Default: No

Do you want to set power consumption limits and capabilities?

☒ No

Default: 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

L2 is connected to main feed

L3 is connected to main feed

L1

L2

L3

Back

Done

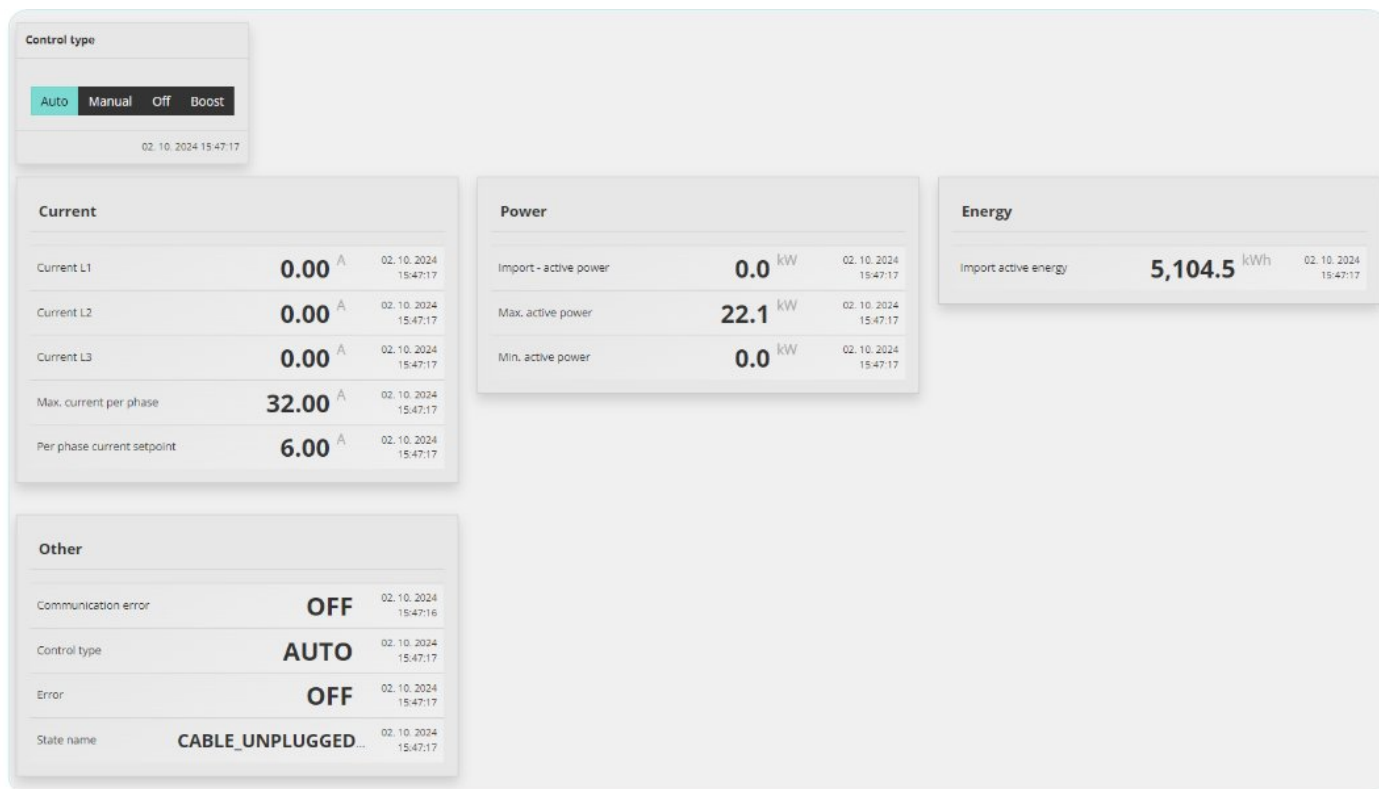
Advanced settings

Text description of this image

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

Text description of this image

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



Strategies for the Reduxi Controller

Energy manager and other strategies explained