

Reduxi with Starcharge Aurora AC EVSE Charger

Connect the Reduxi Controller to the StarCharge Aurora via the OCPP protocol. Reduxi can reduce your electricity bill by 70%.

🔌 StarCharge Aurora AC · Reduxi Controller

🌐 SIM, Wi-Fi or Ethernet · OCPP 1.6 JSON

📡 Port 9000 · Path /ocpp/1.6/json

📄 Charger web interface 192.168.88.206 (default)



StarCharge Aurora AC wallbox

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1 Technical documentation

Manufacturer document for the StarCharge Aurora:

- [StarCharge Aurora operation manual \(English\)](#) – Installation, commissioning, charging and maintenance of the Aurora wallbox.

2 Required equipment

You need:

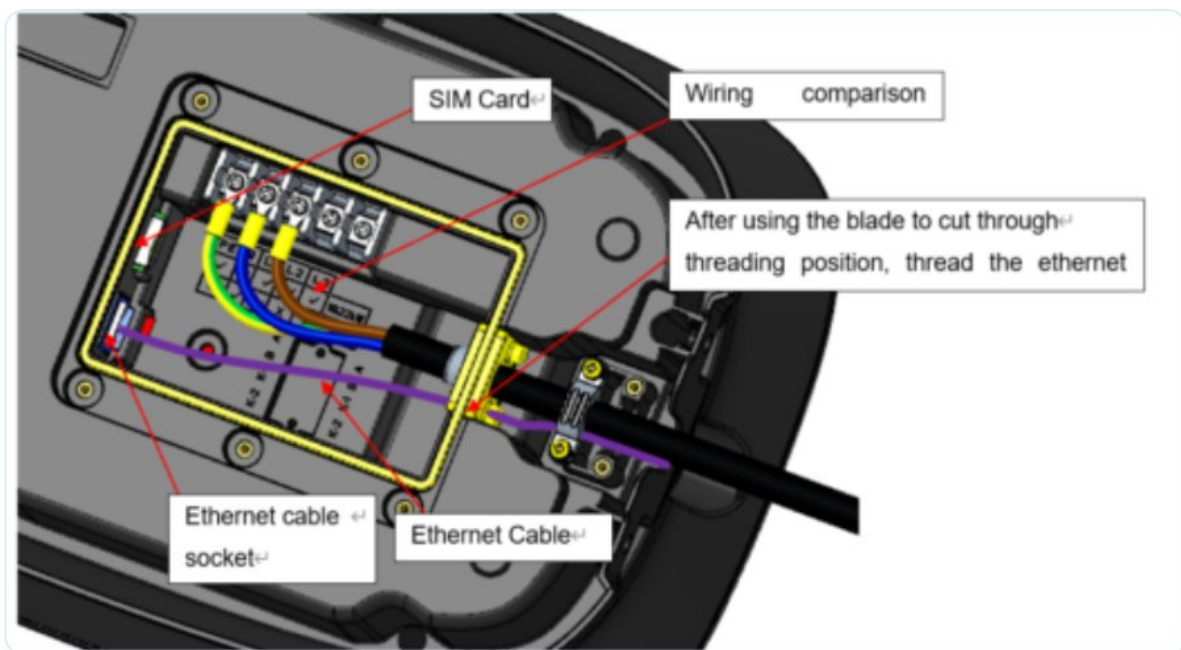
- ☐ Reduxi Controller
- ☐ StarCharge Aurora AC wallbox, installed
- ☐ PC or laptop to open the web interface of the charger
- ☐ Ethernet cable (for the LAN connection or for the first login)
- ☐ SIM card (only for the 4G connection)
- ☐ Laptop or tablet with internet access to configure the device in Reduxi

3 Install the charger

Install the wallbox according to the manufacturer's instructions and put it into operation. Details are in the manual: https://assets-global.website-files.com/5e870ec047674e044920655e/6388d21b3d2bede4cf01cfd5_Star%20Charge%20Wallbox

You have three options to connect the charging station to the internet: **SIM card**, **Wi-Fi** or **Ethernet**.

The photo shows the connection area of the charging station. Insert the SIM card or connect the Ethernet cable next to the AC connection.



Connection area: SIM card and Ethernet cable socket

4 Log in to the Aurora web interface

After the installation, connect to the charging station with a PC or laptop.

4.1 Connection via Ethernet cable

1

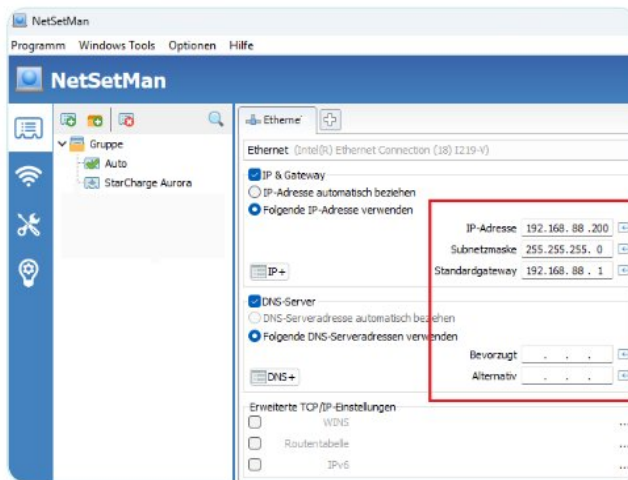
Connect the PC

Connect your PC or laptop directly to the charging station, or to a local switch to which the charging station is also connected.

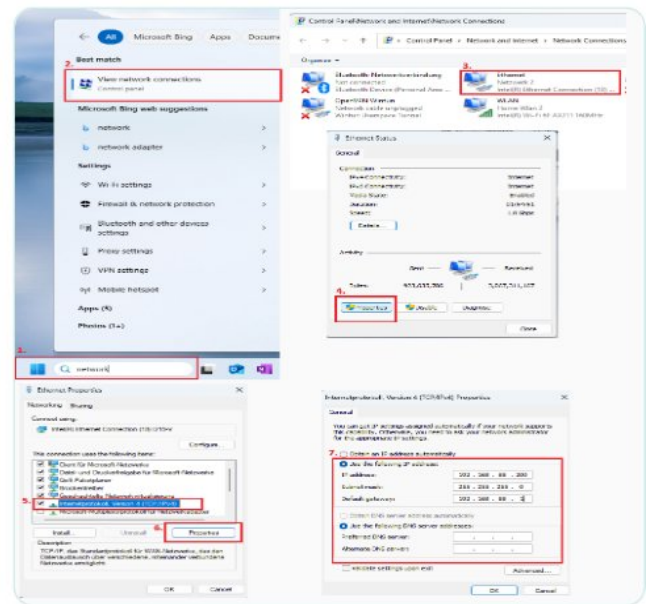
2

Set a temporary IP address

Temporarily set the IP address of your PC or laptop to an address between **192.168.88.1** and **192.168.88.200**. We recommend a program such as **NetSetMan**. Alternatively, set it in the operating system for the network connection.



NetSetMan



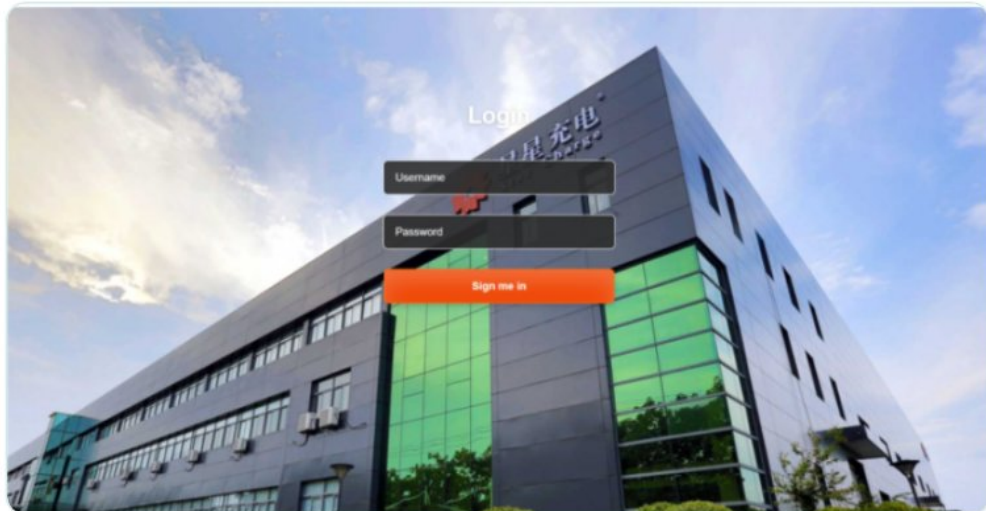
Windows settings

3

Open the web interface

Open your browser and enter the default IP address of the charging station: **192.168.88.206** . Log in with the default user and password below.

PARAMETER	VALUE
User	wbdh
Password	26835941



Login page of the Aurora web interface

4

Check the web interface

You are now on the web interface of the charging station.

Main page of the Aurora web interface

5

Enter the ChargePoint ID and set up OCPP

Quick Setup: ChargePoint ID and OCPP

1

Open Quick Setup

Select **Quick Setup** on the left side of the main page.

2

Enter the ChargePoint ID

Enter the **ChargePoint ID** and confirm with **Submit**.



Important

Note the ChargePoint ID. You need it later as the Device identifier in Reduxi ([Point 8](#)).

3

Enter the IP address

Enter the **IP address** of the Reduxi Controller installed on site.

4

Set SSL_Enable

SSL_Enable is **1** when the backend uses TLS for access, otherwise **0**.

5

Enter the port

Enter port number **9000**.

6

Enter the path

Enter the path of the Reduxi Controller: **/ocpp/1.6/json**

7

Authorization key

Leave the **Authorization key** blank.

8

Submit

Click **Submit** in the OCPP part to deliver the settings to the backend.

6 Configure the network settings of the Aurora

In the web interface, configure how the charging station connects to the internet or the local network.
Options: 4G (SIM), Wi-Fi or LAN (Ethernet).

6.1 4G (SIM)

The screenshot shows the Star Charge web interface. On the left sidebar, 'Software Setting' is highlighted with a red box and labeled '1.'. The main content area has '4G configuration' highlighted with a red box and labeled '2.'. Below it, the '4G configuration' section has 'Enable modification' checked, with a red box around the entire section labeled '3.'. The 'Submit' button in this section is highlighted with a red box and labeled '4.'. Below the 4G configuration are sections for 'Ethernet configuration' and 'DNS configuration'.

4G configuration

1

Open Software Setting

Select **Software Setting** on the left side of the main page.

2

Find 4G configuration

Find **4G configuration**.

3

Enable modification

Click **Enable modification** and enter the information from your mobile provider.

4

Confirm

Confirm with **Submit**.

6.2 Wi-Fi

StarCharge

Language User Set

Quick Setup

Hardware Setting 1.

Software Setting

Charging Status

Upload and download

Submit Refresh

2. Wifi configuration

3. ☒ Wifi enable

Mode selection

STA

SSID

Psw

Channel 1

Encryption wpa2

☒ Dhcpc enable

4. Submit Refresh

Wi-Fi configuration

1

Open Software Setting

Select **Software Setting** on the left side of the main page.

2

Enable the Wi-Fi configuration

Find **WiFi configuration** and enable it.

3

Enter the Wi-Fi data

Under Mode selection choose **STA**. Fill in **SSID** (Wi-Fi ID), **Psw** (Wi-Fi password) and **Encryption** (generally **wpa2**). We recommend a **static IP address** that fits the network at your location.



Important

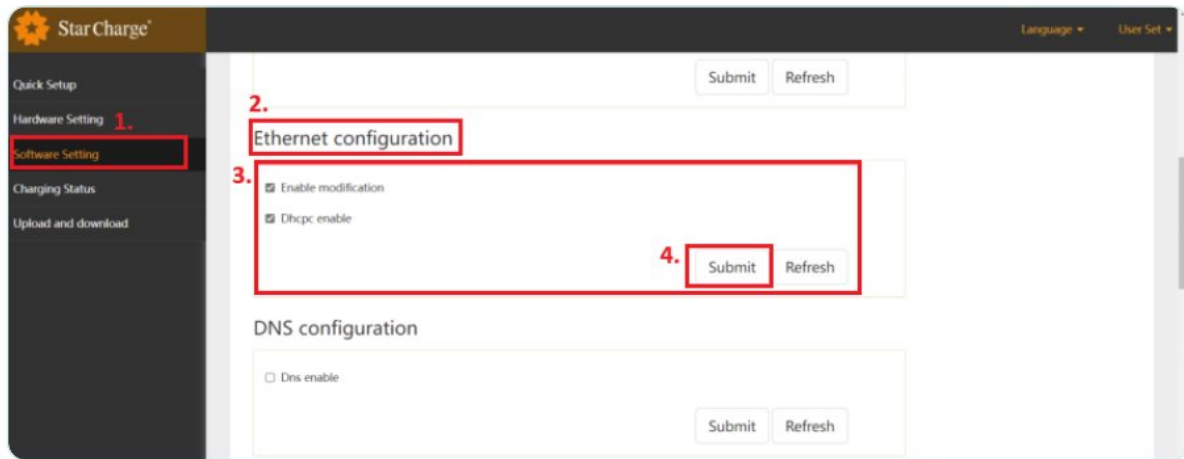
Note this address. You need it later.

4

Confirm

Confirm with **Submit**.

6.3 LAN (Ethernet)



Ethernet configuration

1 Open Software Setting

Select **Software Setting** on the left side of the main page.

2 Enable the Ethernet configuration

Find **Ethernet configuration** and enable it.

3 Assign an IP address

We recommend a **static IP address** that fits the network at your location.



Important

Note this address. You need it later.

4 Confirm

Confirm with **Submit**.



Next step

After these settings, disconnect your PC from the charging station. With a LAN connection, connect the Ethernet cable of the charger to the Reduxi Controller or to a switch. Then continue in the Reduxi Controller.

7 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

7.1 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

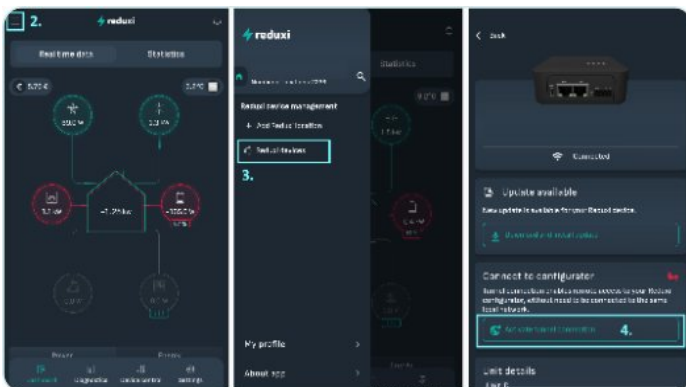
Tap the menu icon (three lines, top left) and select **Reduxi devices**.

3 Activate the tunnel connection

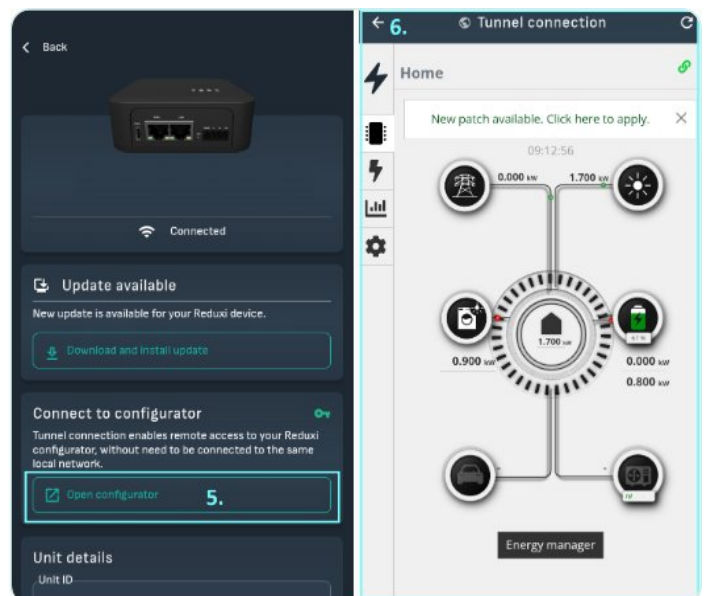
Switch on the tunnel connection and wait a moment until it is active.

4 Open the configurator

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



Activate the tunnel connection (step 3)



Open configurator (step 4)

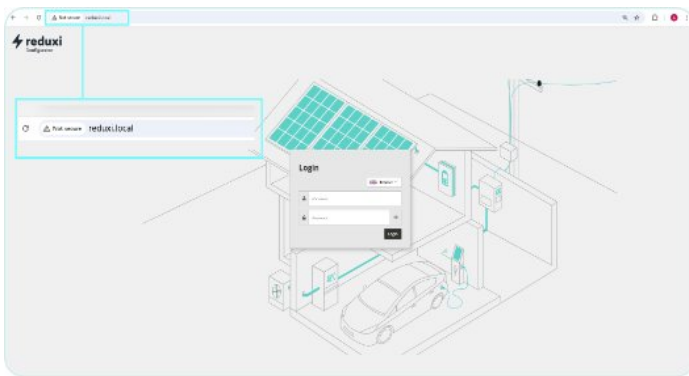
7.2 Via a web browser

1 Open the login page

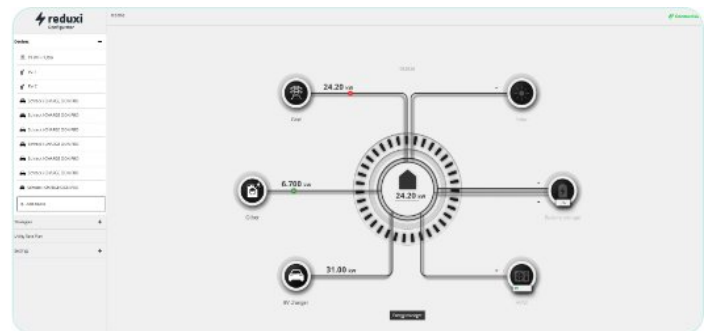
On a device in the same network, open a web browser and enter the controller's IP address or `http://reduxi.local`. You can find the controller's IP address in your router's device list or in the Reduxi app under **Reduxi devices**.

2 Log in

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



Reduxi Controller login screen



Controller web interface after login

8 Add the Aurora to Reduxi

Create the OCPP communication between the StarCharge Aurora and the Reduxi Controller.

8.1 Basic settings

Log in to the local [Reduxi Configurator](#) (see [Point 7](#)) and click **+ Add device**.

reduxi Configurator

Devices —



Iskraemeco AM550



+ Add device

The Add device button

In the first step, select the basic settings:

- Device type: **EV charger**
- Type: **OCPP 1.6 - JSON**
- Name: a name of your choice, for example **StarCharge Aurora**

1

Basic settings

2

Communication channel

Basic settings

Device type *

EV charger

Type *

OCPP 1.6 - JSON

Name *

StarCharge Aurora

Back

Next

Basic settings: device type, type and name

8.2 Communication settings

The second step sets the communication channel for OCPP. Define the **Device identifier**. It must be the same ID as the ChargePoint ID on the charging station. The Reduxi Controller generates the URL for OCPP JSON 1.6 automatically. Add `/Device ID` at the end of this URL.

PARAMETER	VALUE
Device identifier	Same as the ChargePoint ID on the charging station
Controller OCPP JSON 1.6 URL	Generated by the controller. Add <code>/Device ID</code> at the end. Example: <code>ws://192.168.1.200/ocpp/1.6/json/my_station_ID1</code>

Communication settings: Device identifier and OCPP URL

8.3 Test communication

Click **Test communication** at the lower right, below the communication channel fields. It checks the OCPP communication and saves nothing. If the test succeeds, click **Done**: only **Done** creates the device.

The test returns one of three results:

Case 1: Communication is working properly.

Case 1: Communication is working properly

Case 2: Unable to communicate with device 1, ID of device is not set or is different.



Case 2: ID of device is not set or is different

The ID you assigned in the Reduxi Controller does not exactly match the ID of the charging station. Check both and try again.

Case 3: No device with OCPP 1.6 communication is found.



Case 3: No device with OCPP 1.6 communication is found

The settings on the charging station were not saved, the Aurora has no internet connection, or the path to the Reduxi Controller is incorrect. Check the internet connection of the charger, the wiring (if present) and the settings.

9 Check the readings

9.1 Last measurements

After communication is established, check the readings of the new device under **Devices – Last measurements** in the [Reduxi Configurator](#).

9.2 Enable control by Reduxi

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

To use dynamic prices and dynamic tariffs, define a strategy as described in [Strategies for Reduxi controller](#).

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

✓ Summary

Preparation (Points 1–3): Read the manual, collect the equipment and install the wallbox.

StarCharge Aurora (Points 4–6): Log in to the web interface, enter the ChargePoint ID and the OCPP data of the controller, then set up 4G, Wi-Fi or LAN.

Add to Reduxi (Points 7–8): Log in, add an OCPP 1.6 – JSON device with the ChargePoint ID as Device identifier, run Test communication and click Done.

Go live (Point 9): Check the last measurements and set the control type to AUTO.

→ Common issues

ISSUE	SOLUTION
Test communication: ID of device is not set or is different	The Device identifier in Reduxi must match the ChargePoint ID of the charger exactly (Point 5, Point 8.2).
Test communication: no device with OCPP 1.6 communication is found	Check that the settings are saved on the charger, that the Aurora has an internet connection and that the path to the controller is correct (Points 5 and 6).
Web interface of the charger does not open	Set the IP address of your PC to 192.168.88.1–200 and open 192.168.88.206 (Point 4.1).
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:



StarCharge Aurora operation manual

Installation, commissioning, charging and maintenance of the Aurora wallbox.



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