

Connect Reduxi to GL Charge Publicbox, Platinum

Connect the GL Charge Publicbox or Platinum to the Reduxi Controller via OCPP 1.6 JSON. Reduxi can execute the DLMS to protect the installation.

🔧 GL Charge Publicbox, Platinum · Reduxi Controller

🌐 OCPP 1.6 JSON 🖨️ Charger 192.168.1.2 · PC 192.168.1.3

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1 Required equipment

You need these components:

- ☐ Reduxi Controller
- ☐ GL Charge Publicbox or Platinum charger
- ☐ Laptop or tablet with internet access to configure the device in Reduxi

2 Configure the charger

2.1 Connect the PC to the charger

Connect the PC and the charger to the same network. Then you can open the web interface of the charger.

Set the network on the PC:

- Open the **network settings** in the control panel of the PC
- Static IP address for the PC: `192.168.1.3`
- Network mask: `255.255.255.0`

Internetni protokol IPv4 (TCP/IPv4) – lastnosti

Splošno

Nastavitve IP-ja lahko pridobite samodejno, če vaše omrežje podpira to zmogljivost. Sicer morate vprašati skrbnika omrežja za ustrezne nastavitve IP-ja.

☐ Samodejno pridobi naslov IP

☒ Uporabi ta naslov IP:

Naslov IP: 192 . 168 . 1 . 3

Maska podomrežja: 255 . 255 . 255 . 0

Privzeti prehod: . . .

☐ Samodejno pridobi naslov strežnika DNS

☒ Uporabi te naslove strežnikov DNS:

Prednostni strežnik DNS: . . .

Nadomestni strežnik DNS: . . .

☐ Pri izhodu preveri veljavnost nastavitvev

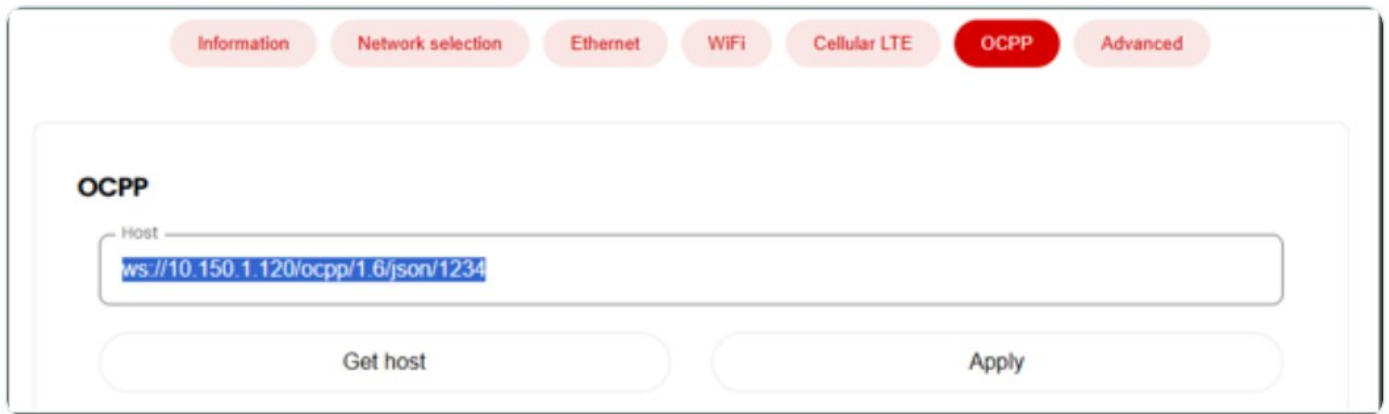
Dodatno ...

V redu Prekliči

Network settings of the PC

2.2 Set the OCPP server on the charger

- Open the Internet browser and enter the static IP address of the charger: 192.168.1.2
- Log in to the web interface of the charger. Username: installer , password: installer
- Open the **OCPP** section and enter the server URL of the Reduxi Controller as the host (see [Point 4](#), Point 4.2)
- Click **Apply**, then **Restart OCPP** at the bottom



OCPP settings in the charger web interface

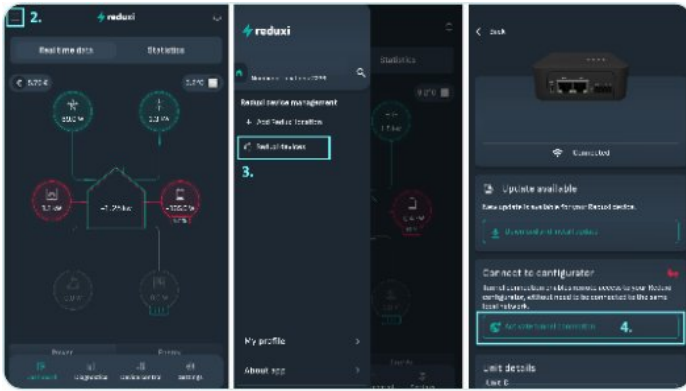
3 Log in to the Reduxi web interface

You can open the Reduxi web interface in two ways:

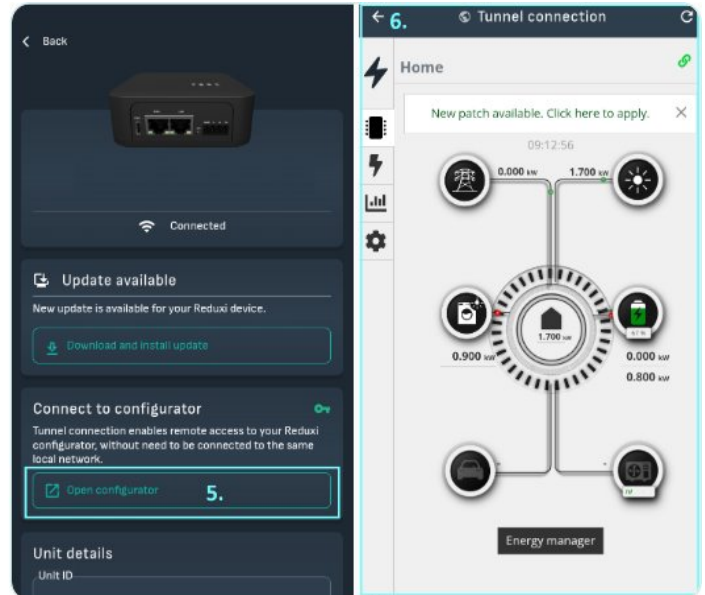
 Reduxi app Via tunnel connection · works from anywhere	REMOTE  Web browser In the local network · via IP address or reduxि.local
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3.1 Via the Reduxi app

- 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)

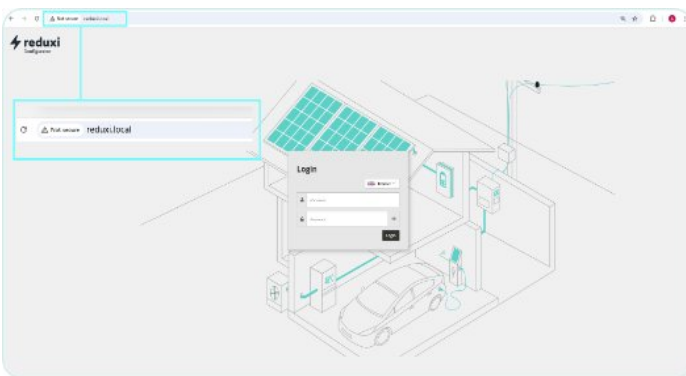
3.2 Via a web browser

1 Open the login page

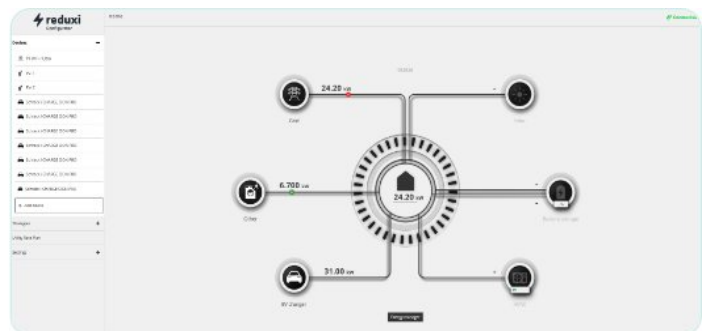
On a device in the same network, open a web browser and enter the controller's IP address or `http://reduxi.local`. You can find the controller's IP address in your router's device list or in the Reduxi app under **Reduxi devices**.

2 Log in

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



Reduxi Controller login screen



Controller web interface after login

4 Add the charger to Reduxi

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

| 4.1 Basic settings

Log in locally to the [Reduxi Configurator](#) on the controller (see [Point 3](#)) and press the **Add device** button.

reduxi[⚡]

CONFIGURATOR

Devices



Strategies



+ Add device

+ Add strategy

Settings

Profile

*The **Add device** button*

In the first step (basic settings), select the basic parameters of the device:

- Device type: **EV charger**
- Type: **OCPP 1.6 - JSON**
- Name: a name of your choice

1 Basic settings 2 Communication channel 3 Advanced settings

Basic settings

Device type *

Type *

Name *

Back Next

Basic settings: device type, type and name

After you have entered everything, press **Next**.

4.2 Communication settings

The second step sets the communication channel for OCPP.

- Paste the **Device identifier** from the web interface of the charger into the first field of the communication channel.
- The OCPP 1.6 JSON protocol needs the server OCPP URL. The Reduxi Controller generates it. You can copy the URL directly from the communication channel.

Example URL: **ws://10.150.120/ocpp/1.6/json/**

Communication channel and device configuration

Device identifier *	1234
Connector *	1
Charger type *	AC
Energy counter	Default
Allocate power to EVSE when EV is not connected to EVSE	Default
Per phase max. current *	Auto detect from EVSE
Per phase max. current manual override	32
In effect when manual override is selected	
Forward communication to backend OCPP server	ws://app.eu.tridenstechnology.com/ev-charge/gw-comm/glcharge
Forward measurements to backend OCPP server once every	30 seconds
Allow new charging session	Forward to backend OCPP server
Controller OCPP JSON 1.6 URL	ws://10.150.1.120/ocpp/1.6/json

Back

Test communication

Next

Communication settings

4.3 Test communication

Click **Test communication** at the lower right, below the communication channel fields. It checks that OCPP communication is established. If the test succeeds, click **Done**: only **Done** creates the device.

1 Basic settings
2 Communication channel
3 Advanced settings

Communication channel and device configuration

Device identifier *

my_station_ID1

Connector *

1

Charger type *

AC

Energy counter

Default

Allocate power to EVSE when EV is not connected to EVSE

Default

Per phase max. current *

Manual override

Per phase max. current manual override

32

In effect when manual override is selected

Forward communication to backend OCPP server

Allow new charging session

Always

Controller OCPP JSON 1.6 URL

ws://192.168.1.200/ocpp/1.6/json

Back

Test communication

Next

The **Test communication** button

The test returns one of three results:



1. Communication works properly



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

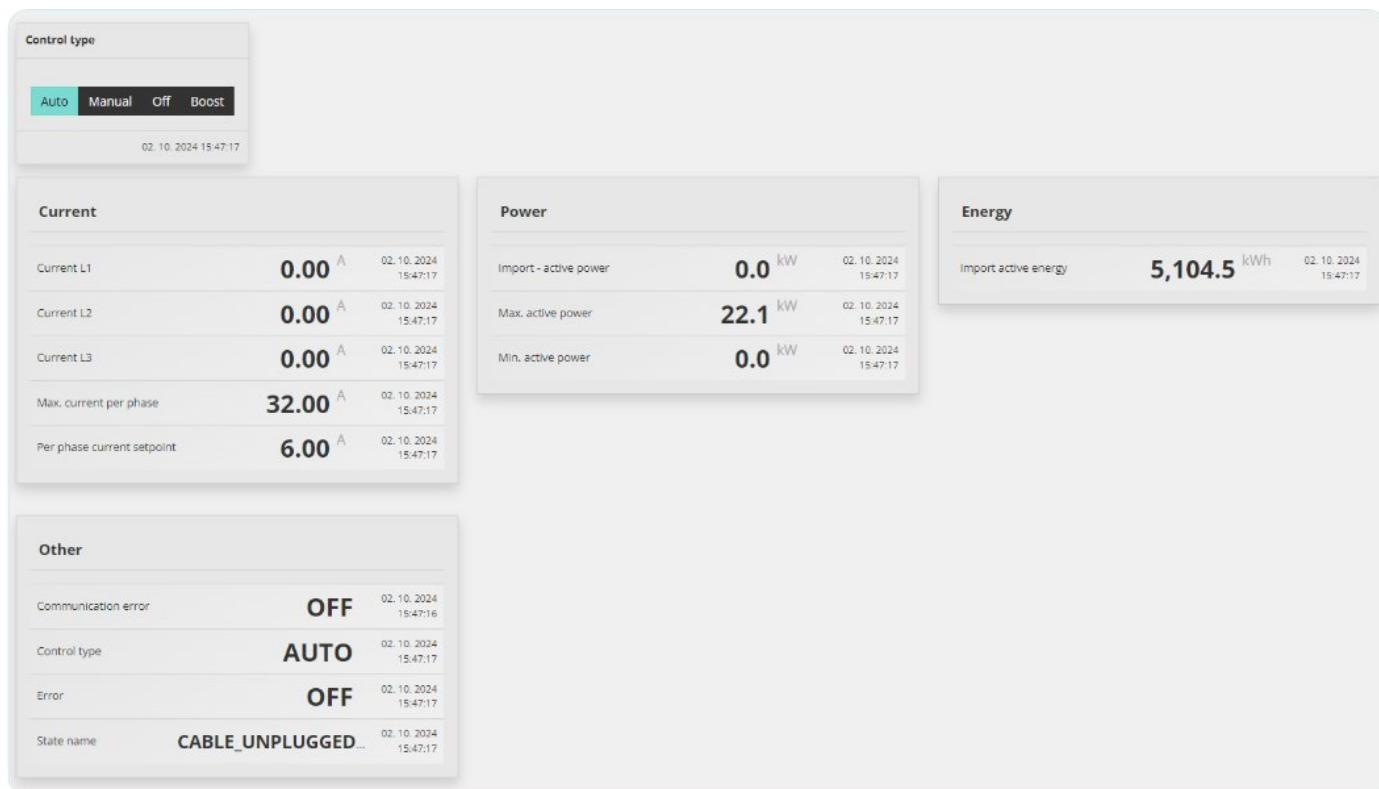


3. No device with OCPP 1.6
communication is found

5 Check the readings

5.1 Last measurements

After communication is established, check the readings under **Devices – Last measurements** in the Reduxi Configurator.



Last measurements of the charger

5.2 Monitor the charger in the cloud

After you have added the device in the Reduxi Configurator, you can monitor it in the **Reduxi cloud application**.

✓ Summary

Preparation (Points 1–2): Collect the equipment. Set the PC to 192.168.1.3, open the charger web interface at 192.168.1.2 and enter the Reduxi server URL in the OCPP section.

Log in (Point 3): Log in to the Reduxi Configurator on the controller.

Add to Reduxi (Point 4): Add an EV charger of type OCPP 1.6 – JSON, paste the device identifier and run Test communication. Click Done.

Go live (Point 5): Check the last measurements in the Reduxi Configurator. Monitor the charger in the Reduxi cloud application.

→ Common issues

ISSUE	SOLUTION
The charger web interface does not open	The PC and the charger must be in the same network. Set the PC to 192.168.1.3 with network mask 255.255.255.0 and open 192.168.1.2 in the browser.
Test communication: the ID of the device is not set or is different	Paste the device identifier from the charger web interface into the first field of the communication channel.
Test communication: no device with OCPP 1.6 communication found	Enter the server URL of the Reduxi Controller in the OCPP section of the charger. Click Apply and Restart OCPP.
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:



EV charger via OCPP 1.6J

Reduxi guide for adding an EV charger via OCPP 1.6J.



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