

How to connect glCharge Glow Box Silver EV charger with Reduxi controller

Connect your GL Charge Glow Box Silver EV charger to the Reduxi Controller.

🔌 GL Charge Glow Box Silver · Reduxi Controller

🌐 Modbus 📡 Modbus unit ID normally 1

📖 IN THIS ARTICLE

1. Technical documentation
2. Required equipment
3. Connect and configure the Glow Box Silver
4. Log in to the Reduxi web interface
 - Via the Reduxi app
 - Via a web browser
5. Add the Glow Box Silver to Reduxi
 - Basic settings
 - Communication settings
 - Advanced settings
 - Test communication
6. Check the readings
7. Summary
8. Common issues
9. Related articles

1 Technical documentation

Instructions for connecting and configuring the charger are on the GL Charge web page. Further manufacturer documents are listed below.

- [GL Charge documents](#) – Manufacturer web page with the instructions for the charging station.
- [GL Charge Glow Box user manual](#) – Instructions for use in Slovenian, English and German (published by Petrol).
- [Glow Box Silver, Gold, Platinum technical specifications](#) – Brochure with the technical specifications (published by Petrol).

2 Required equipment

You need:

- ☐ Reduxi Controller
- ☐ GL Charge Glow Box Silver EV charger
- ☐ Connection between the charger and the Reduxi Controller, as described in the GL Charge instructions
- ☐ Laptop or tablet with internet access to configure the device in Reduxi

3 Connect and configure the Glow Box Silver

Connect and configure the charger as described in the instructions on the GL Charge web page (see [Point 1](#)).



Modbus RTU wiring

For the Modbus RTU wiring and the DIP switch settings of the slave address, see [How to connect GL Charge GlowBox Silver EV charger \(Modbus RTU\) with Reduxi controller](#).

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

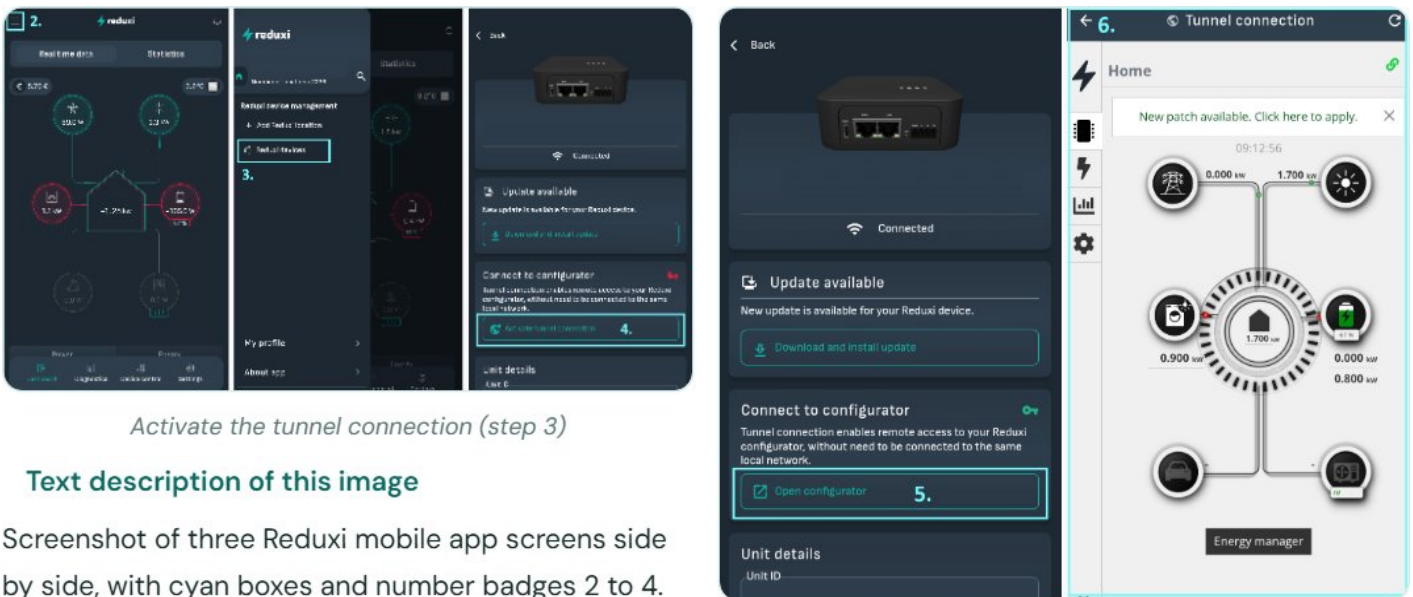
Activate the tunnel connection

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

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

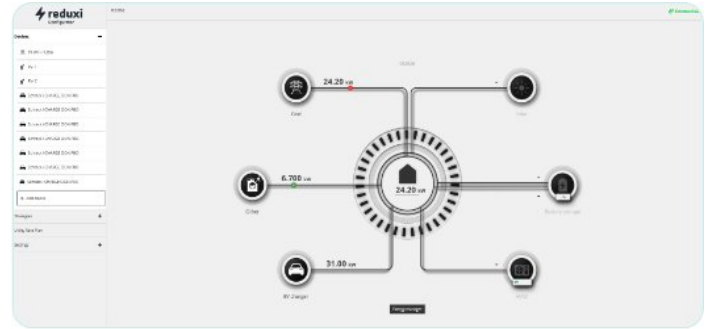
Log in

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 Glow Box Silver to Reduxi

Use these steps to add a new Glow Box Silver or to edit an existing one.

5.1 Basic settings

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

In the first step, enter the basic settings:

- Device type: **EV charger**
- Type: **GL Charge GlowBox Silver**
- Name: a name of your choice

5.2 Communication settings

In the second step, select the communication channel and enter the device configuration:

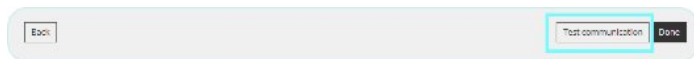
PARAMETER	VALUE
Modbus unit ID	Normally 1 is used.

5.3 Advanced settings

Enter and select the advanced settings.

5.4 Test communication

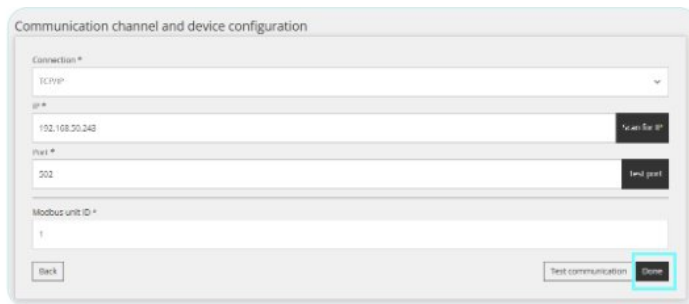
Click **Test communication** at the bottom of the wizard. It reads the Glow Box Silver once and saves nothing. If the test succeeds, click **Done**: only **Done** creates the device.



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'.



The **Done** button

2. Text description of this image

Communication channel and device configuration

6 Check the readings

6.1 Last measurements

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

6.2 Enable control by Reduxi

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

✓ Summary

Preparation (Points 1–2): Open the GL Charge instructions and collect the equipment.

Glow Box Silver (Point 3): Connect and configure the charger as described by GL Charge.

Add to Reduxi (Points 4–5): Log in, click + Add device, select EV charger and GL Charge GlowBox Silver, enter the Modbus unit ID (normally 1), run Test communication and click Done.

Go live (Point 6): Check the last measurements and set the control type to AUTO.

→ Common issues

ISSUE	SOLUTION
Test communication fails	Check the Modbus unit ID (normally 1) and the connection between the charger and the controller. For the Modbus RTU slave address, check the DIP switches (see the linked Reduxi guide in Point 3).
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:



How to connect GL Charge GlowBox Silver EV charger (Modbus RTU) with Reduxi controller

Modbus RTU connection of the GL Charge GlowBox to the Reduxi Controller.



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