

How to connect Alpitronic Hypercharger EV charger with Reduxi controller

Add your Alpitronic Hypercharger to the Reduxi Controller.

🔌 Alpitronic Hypercharger · Reduxi Controller

🌐 Ethernet (10/100Base-T)

🔢 Modbus unit ID: normally 1



Alpitronic Hypercharger HYC400

Text description of this image

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1 Technical documentation

Find the instructions to connect and configure the charger on the manufacturer web page.

- [Alpitronic: Hypercharger product range](#) – Models HYC50, HYC200 and HYC400 with specifications.
- [Alpitronic: Datasheet HYC400 \(PDF\)](#) – Specifications, communication protocols and load management.
- [Google search: Alpitronic hypercharger documentation](#) – Link from the original article.

2 Required equipment

- ☐ Reduxi Controller
- ☐ Alpitronic Hypercharger
- ☐ Ethernet cable (the charger has a 10/100Base-T Ethernet connection)
- ☐ Laptop or tablet with internet access to configure the device in Reduxi

3 Prepare the charger

3.1 Enable Modbus on the charger

Open the web interface of the charger. Under **GENERAL – Power**, set **ModBus Enabled** to **True**. Save the settings and perform a hard reset of the charger (**Hard reset HYC**).

The factory default IP address of the charger is **192.168.1.100**. You need the IP address of the charger later in the Reduxi Configurator.



Source

These settings come from third-party integration guides for the HYC50, HYC150 and HYC300 (FENECON, GridX). The menu names can differ by model and software version. Check the Alpitronic manual of your charger.

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 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

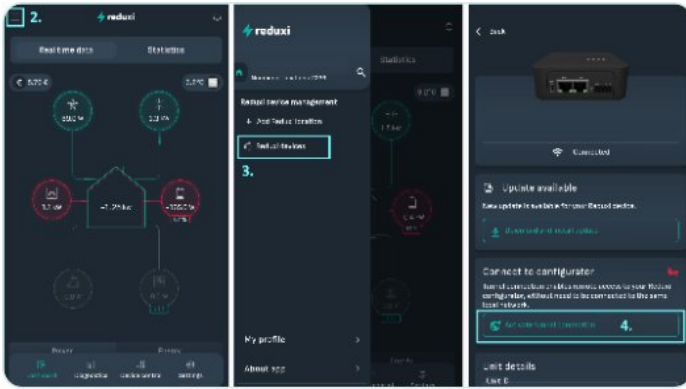
Activate the tunnel connection

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

4

Open the configurator

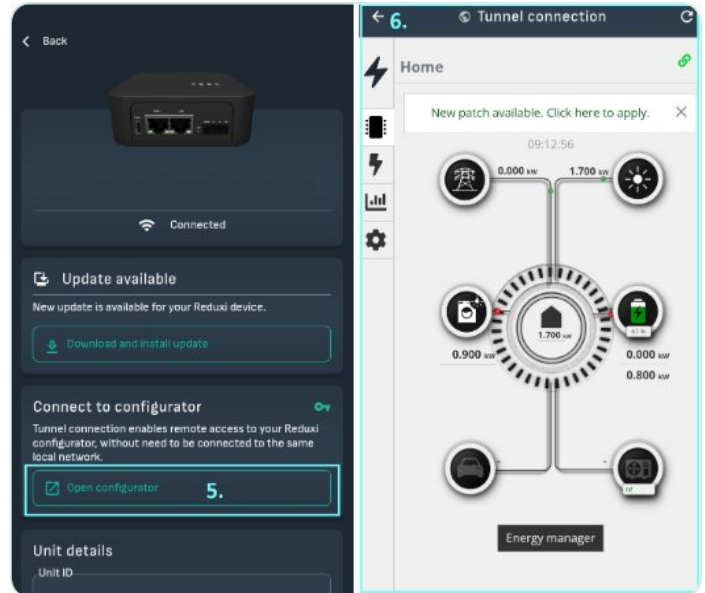
Tap **Open configurator**. The Reduxi web interface opens.



Activate the tunnel connection (step 3)

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 'Tunnel connection' screen with a cyan box around the 'Open configurator' button labeled '6'.

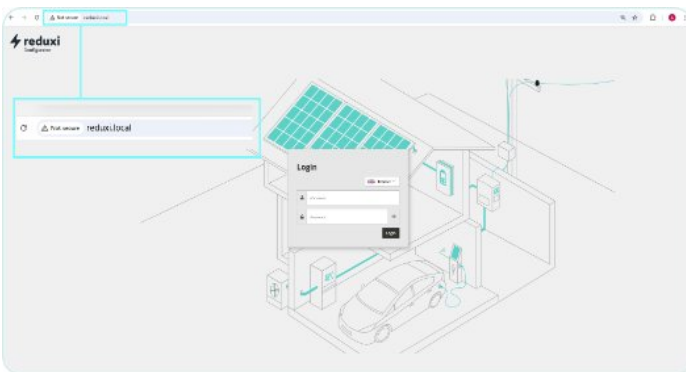
4.2 Via a web browser

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**.

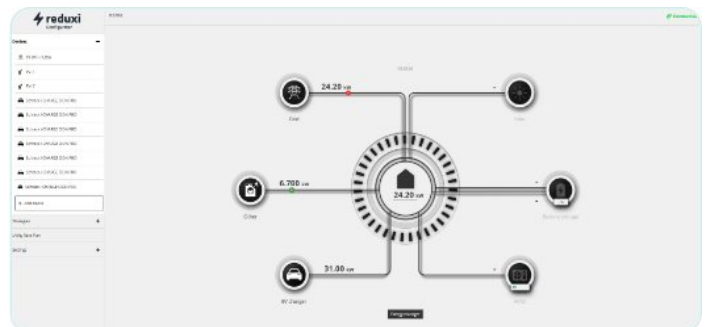
2 Log in

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 charger to Reduxi

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

5.1 Basic settings

Log in locally to the [Reduxi Configurator](#) on the controller (see [Point 4](#)) and click **+ Add device**. Then enter the basic settings.

5.2 Communication settings

Select the communication channel. Then enter the device configuration.

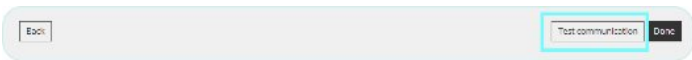
PARAMETER	VALUE
Modbus unit ID	Normally 1 is used.

5.3 Advanced settings

Enter and choose the advanced settings.

5.4 Test communication

Click **Test communication** at the bottom of the wizard. It reads the the 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'.



The *Done* button

2. Text description of this image

6 Check the readings

6.1 Last measurements

After communication is established, check the values of the charger under **Devices** in the Reduxi Configurator as an additional test.

✓ Summary

Preparation (Points 1–2): Open the manufacturer documents and gather the Reduxi Controller, the Ethernet cable and a laptop.

Charger (Point 3): Enable Modbus on the charger and note its IP address.

Add to Reduxi (Points 4–5): Log in to the Reduxi Configurator, add the device and run Test communication.

Go live (Point 6): Check the readings of the charger under Devices.

→ Common issues

ISSUE	SOLUTION
Test communication fails	Check that Modbus is enabled on the charger and that the charger was reset (Point 3.1). Check the IP address and the Modbus unit ID (Point 5.2).
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:



Alpitronic Hypercharger

Product range of the manufacturer.



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