

How to connect Gree heat pump with Reduxi controller

Add your Gree heat pump to the Reduxi Controller via Modbus.

🔧 Gree heat pump · Reduxi Controller

🌐 Modbus via TCP/IP 📄 Modbus unit ID: normally 1



📄 IN THIS ARTICLE

1. Technical documentation
2. Required equipment
3. Connect and configure the heat pump
4. Log in to the Reduxi web interface
 - Via the Reduxi app
 - Via a web browser
5. Add the heat pump 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 on how to connect and configure the heat pump are on the manufacturer web page.

- [Gree system documentation](#) – Instructions on how to connect and configure the device (manufacturer web page)

2 Required equipment

You need these components:

- ☐ Reduxi Controller
- ☐ Network connection between the heat pump and the Reduxi Controller (TCP/IP)
- ☐ Laptop or tablet with internet access to configure the device in Reduxi

3 Connect and configure the heat pump

Connect and configure the Gree heat pump as described on the manufacturer web page. See [Point 1](#).

MANUFACTURER

Gree

CONNECTION TO REDUXI

TCP/IP (Modbus)

LEVEL OF INTEGRATION

Read

The values are listed in the List of supported devices.

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

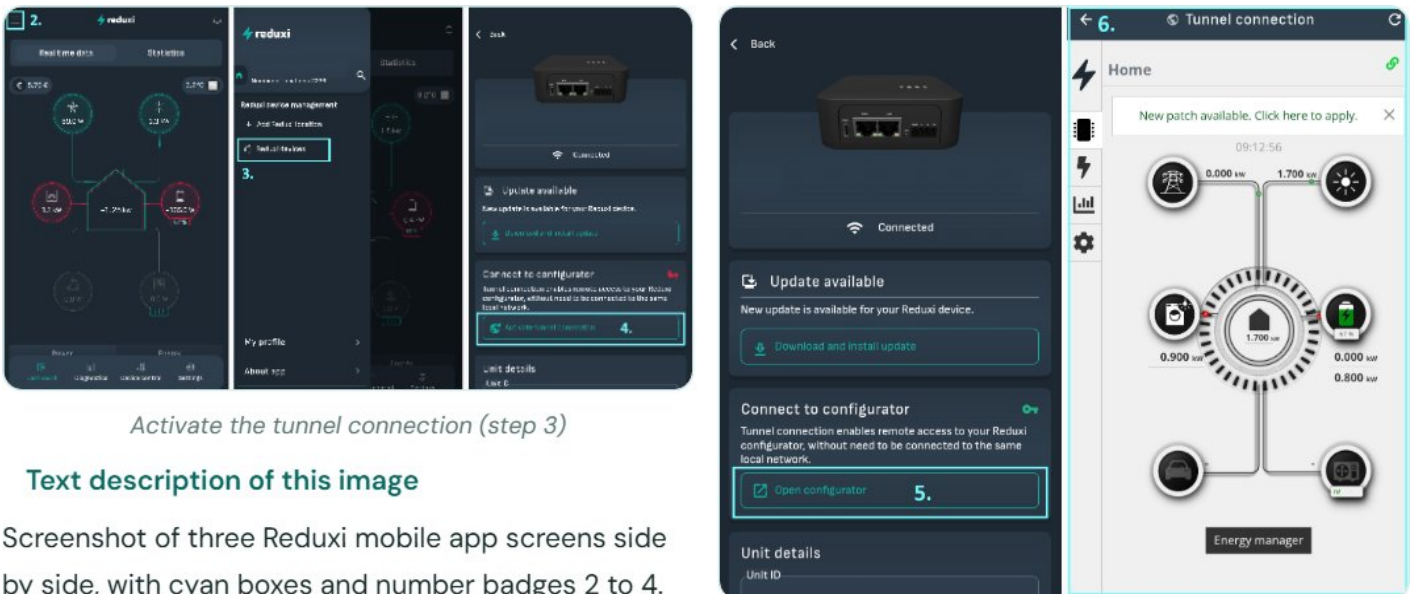
Activate the tunnel connection

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

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**.

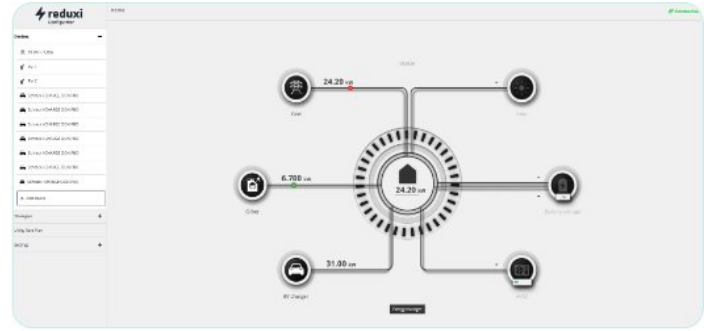
2

Log in

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



Reduxi Controller login screen



Controller web interface after login

Text description of this image

2. Text description of this image

Screenshot of the Reduxi Configurator web interface

5 Add the heat pump to Reduxi

Use these steps to add a new heat pump 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**.

Enter the basic settings of the device:

- Device type: **HVAC**
- Type: **Gree**
- Name: a name of your choice, for example **Gree heat pump**

5.2 Communication settings

Select the communication channel and enter the device configuration:

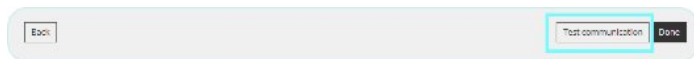
PARAMETER	VALUE
Communication channel	TCP/IP
IP	The IP address of the heat pump in your network
Modbus unit ID	Normally 1

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 Gree heat pump 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 values under **Devices – Gree heat pump** in the Reduxi Configurator as an additional test.

6.2 Control by Reduxi

The List of supported devices shows the level of integration **Read** for the Gree heat pump. Reduxi reads the values of the device. It does not control it.

✓ Summary

Preparation (Points 1–2): Open the Gree documentation. Prepare the controller, the network connection and a laptop or tablet.

Gree heat pump (Point 3): Connect and configure the heat pump as described by Gree.

Add to Reduxi (Points 4–5): Log in to the Reduxi web interface. Click + Add device, enter the basic settings, the communication settings and the advanced settings. Run Test communication and click Done.

Go live (Point 6): Check the readings under Devices. Reduxi reads the values of the heat pump.

→ Common issues

ISSUE	SOLUTION
Test communication fails	Check the Modbus unit ID. Normally 1 is used. Check the IP address of the heat pump.
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 admin is rejected	The password was changed during installation. Ask the installer. The Reduxi account password does not work here.
reduxi.local 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:



Gree system documentation

Documentation page from 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