

How to connect Buderus Logatherm WLW196i heat pump with Reduxi controller

Add the Buderus Logatherm WLW196i heat pump to the Reduxi Controller.

🔧 Buderus Logatherm WLW196i · Reduxi Controller

📖 Modbus unit ID: normally 1

Buderus



Buderus Logatherm WLW196i IR

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IN THIS ARTICLE

1. Technical documentation
2. Prepare the heat pump
 - Required equipment
 - About the Logatherm WLW196i
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

The manufacturer describes how to connect and configure the device in its documentation.

- [Buderus documentation portal](#) – Manufacturer documentation, as referenced in the original article
- [Logatherm WLW196i IR product page](#) – Buderus, product data sheets for all sizes and indoor units
- [Logatherm WLW196i AR / IR brochure](#) – Buderus (PDF)

2 Prepare the heat pump

2.1 Required equipment

- ☐ Reduxi Controller
- ☐ Buderus Logatherm WLW196i heat pump, installed and configured as described by the manufacturer (see [Point 1](#))
- ☐ Laptop or tablet with internet access to configure the device in Reduxi

2.2 About the Logatherm WLW196i

Facts from the manufacturer documentation:

- The Logatherm WLW196i IR is an air-to-water heat pump in sizes 6, 8, 11 and 14 kW.
- The maximum flow temperature is 62 °C.
- The control unit is the Logamatic HMC300 within the Logamatic EMS plus control system.
- The heat pump has an integrated internet interface as standard.
- It has a standard interface that follows the SG Ready label requirements.



Note

The manufacturer documents do not list a Modbus interface for this device. Follow the manufacturer instructions in Point 1 to connect and configure it.

3 Connect and configure the heat pump

Follow the connection and configuration instructions of the manufacturer (see [Point 1](#)).

Keep the Modbus unit ID of the device ready. Normally, **1** is used.

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

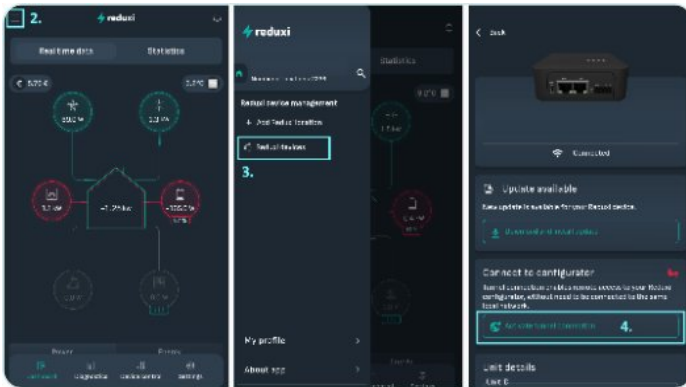
Tap the menu icon (three lines, top left) and select **Reduxi devices**.

3 Activate the tunnel connection

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

4 Open the configurator

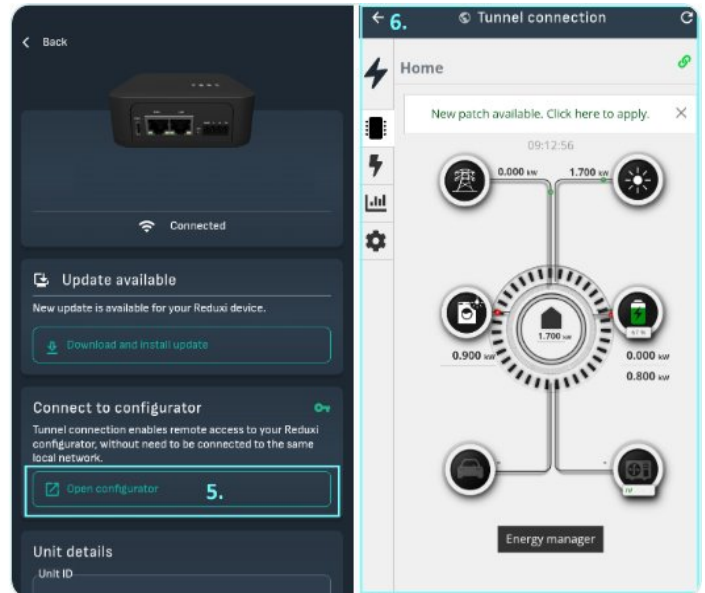
Tap **Open configurator**. The Reduxi web interface opens.



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)

2. 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**.

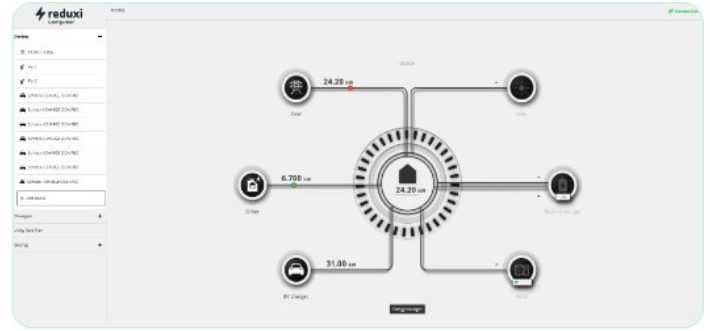
2 Log in

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



Reduxi Controller login screen

Text description of this image



Controller web interface after login

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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: select the device type and type that match your heat pump and enter a name of your choice.

5.2 Communication settings

Select the communication channel and enter the device configuration:

PARAMETER	VALUE
Communication channel	The channel the heat pump is connected through

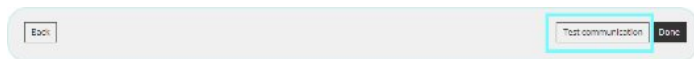
Modbus unit ID Normally **1**

5.3 Advanced settings

Enter and choose the advanced settings of the device.

5.4 Test communication

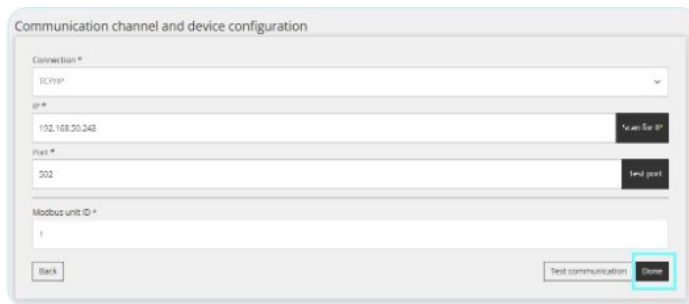
Click **Test communication** at the bottom of the wizard. It reads the Logatherm WLW196i once and saves nothing. If the test succeeds, click **Done**: only **Done** creates the device.



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

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Communication channel and device configuration

6 Check the readings

6.1 Last measurements

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

6.2 Enable control by Reduxi

Under **Devices** in the Reduxi Configurator, set the **control type** of the heat pump to **AUTO**. Only then do strategy commands affect the heat pump.

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

✓ Summary

Preparation (Points 1–2): Find the manufacturer documentation and prepare the heat pump and the Reduxi Controller.

Logatherm WLW196i (Point 3): Connect and configure the heat pump as the manufacturer describes. Note the Modbus unit ID (normally 1).

Add to Reduxi (Points 4–5): Log in to the Reduxi Configurator, add the heat pump and test the communication.

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

→ Common issues

ISSUE	SOLUTION
Test communication fails	Check the Modbus unit ID of the device. Normally, 1 is used. Check the communication channel and the connection.
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:



Logatherm WLW196i IR product page

Buderus product data sheets and documents.



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