

How to connect Victron Energy MultiPlus II battery with Reduxi controller

Connect a Victron Energy MultiPlus-II to the Reduxi Controller.

🔋 Victron Energy MultiPlus-II · Reduxi Controller

🕒 Reading and writing delay: 250



Victron Energy MultiPlus-II

Text description of this image

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1 Technical documentation

Instructions for connecting and configuring the device are on the Victron web page.

- [Victron manuals: MultiPlus-II](#) – Manufacturer instructions. Select the product in the drop-down list.
- [MultiPlus-II 230V manual \(PDF\)](#) – Installation, wiring and VE.Bus connection.
- [MultiPlus-II datasheet \(PDF\)](#) – Models, specifications and accessories.
- [Victron Modbus-TCP FAQ](#) – Enable Modbus-TCP on a GX device and find the unit IDs.
- [MultiPlus-II product page](#) – Product description and downloads.

2 Required equipment

- ☐ Victron Energy MultiPlus-II
- ☐ GX device of the Victron system (acts as the Modbus-TCP gateway)
- ☐ Reduxi Controller
- ☐ Network connection between the GX device and the Reduxi Controller
- ☐ Laptop or tablet with internet access to configure the device in Reduxi

3 Configure the Victron system

3.1 Enable Modbus-TCP on the GX device

Modbus-TCP is disabled by default on a GX device. To enable it, go to **Settings – Services** on the GX device, scroll down and enable the **Modbus-TCP** service.



Unit ID

The GX device is a Modbus-TCP gateway. The unit ID selects the connected device you read or write. The list of devices and their unit IDs is under **Settings – Services – Modbus/TCP – Available services** on the GX device.

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

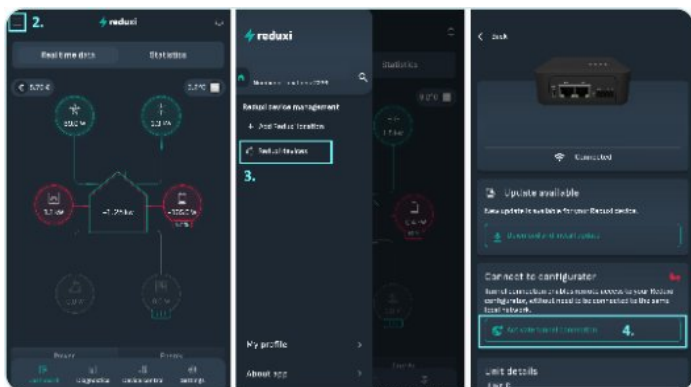
Activate the tunnel connection

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

4

Open the configurator

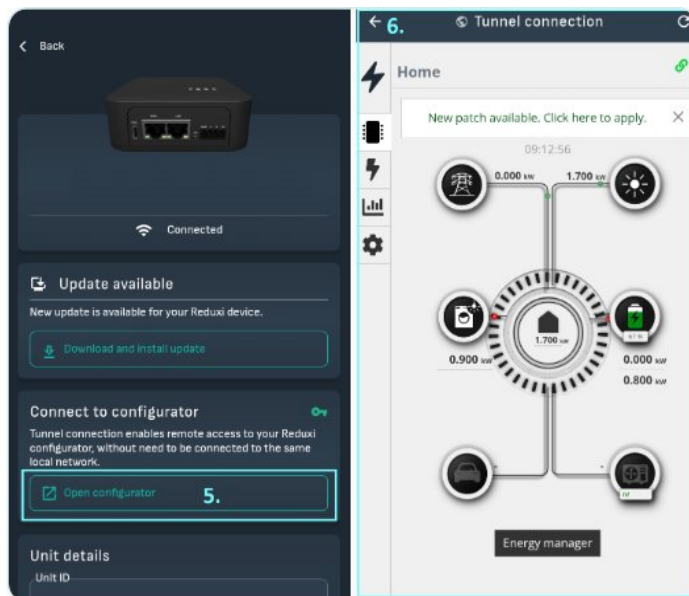
Tap **Open configurator**. The Reduxi web interface opens.



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

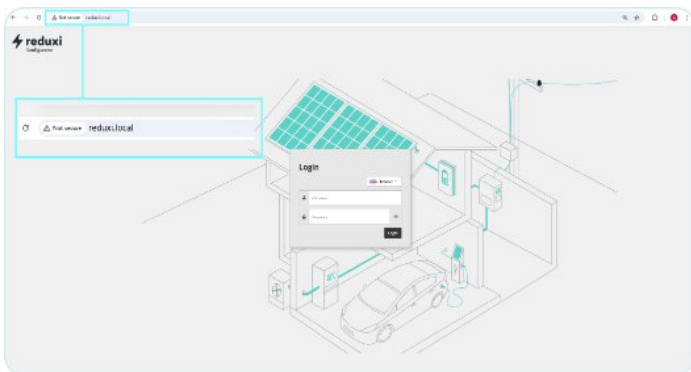
4.2 Via a web browser

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**.

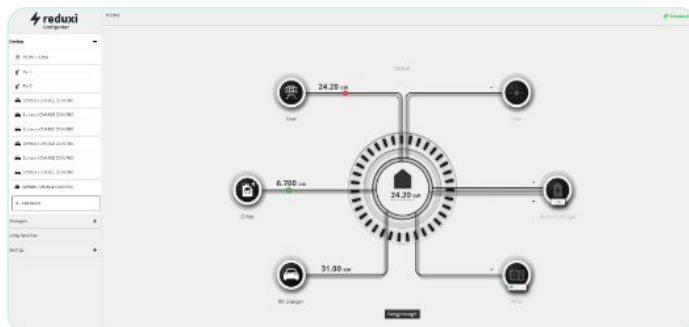
2 Log in

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



Reduxi Controller login screen

Text description of this image



Controller web interface after login

2. Text description of this image

Screenshot of the Reduxi Configurator web interface

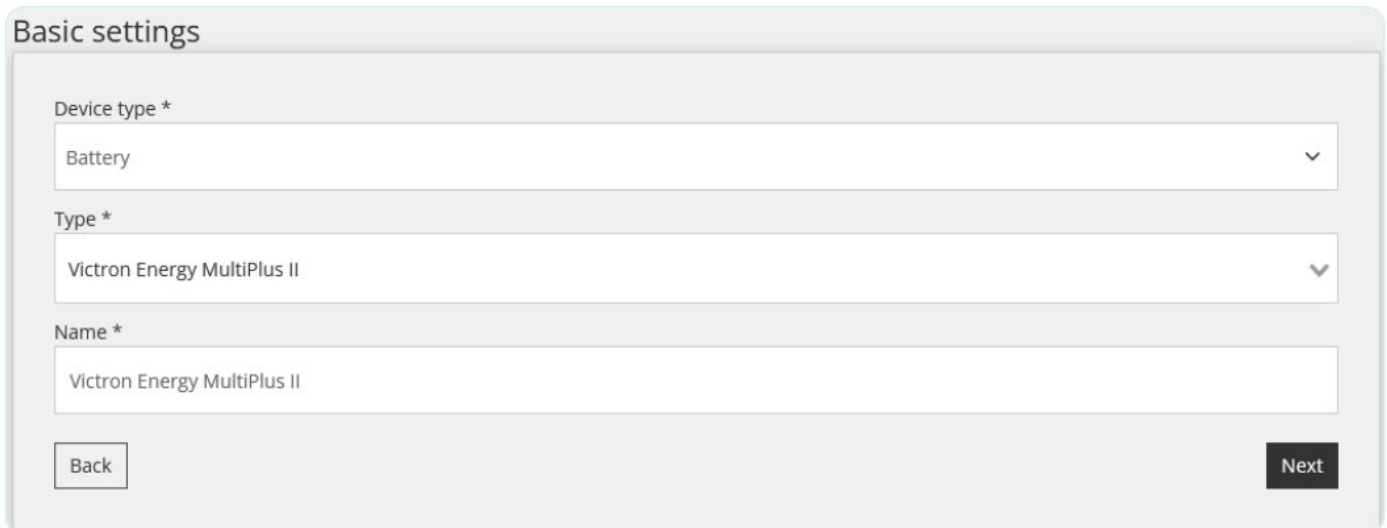
5 Add the MultiPlus II to Reduxi

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

5.1 Basic settings

Log in to the [Reduxi Configurator via the browser](#) (see [Point 4](#)). Click **+ Add device**.

Enter the basic settings of the device.



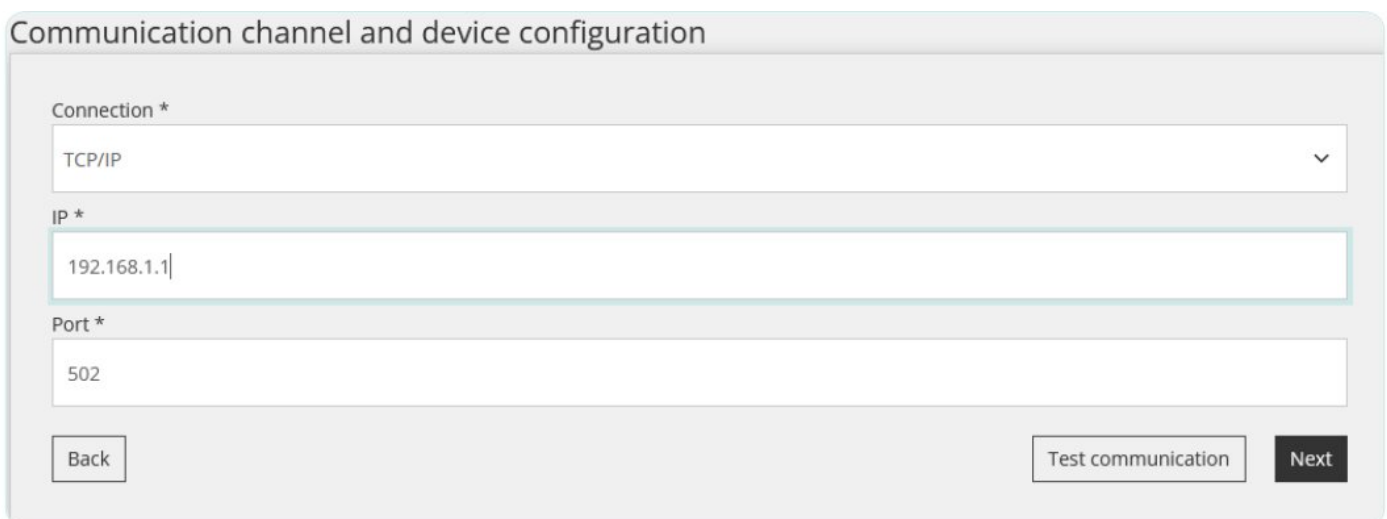
The screenshot shows a web form titled "Basic settings". It contains three dropdown menus: "Device type *" with "Battery" selected, "Type *" with "Victron Energy MultiPlus II" selected, and "Name *" with "Victron Energy MultiPlus II" entered. At the bottom, there are two buttons: "Back" and "Next".

Basic settings

Text description of this image

5.2 Communication settings

Select the communication channel of the device.



The screenshot shows a web form titled "Communication channel and device configuration". It contains three input fields: "Connection *" with "TCP/IP" selected, "IP *" with "192.168.1.1" entered, and "Port *" with "502" entered. At the bottom, there are three buttons: "Back", "Test communication", and "Next".

Communication channel

Text description of this image

5.3 Advanced settings

Choose and enter the advanced settings:

PARAMETER	VALUE
Reading delay	250
Writing delay	250

Advance settings

Do you want to set data saving interval?

☐ No

Default: 1 min

Do you want to set reading delay?

☒ Yes

ms

Do you want to set writing delay?

☒ Yes

ms

Do you want to set maximum export power?

☐ No

Do you want to set maximum import power?

☐ No

Do you want to invert direction for energy import and export?

☐ No

Default: No

Do you want to exclude device from summary?

☐ No

Default: No

L1 is connected to main feed

L2 is connected to main feed

L3 is connected to main feed

Back

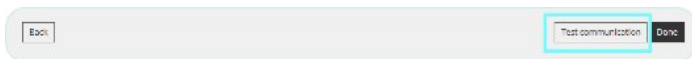
Done

Advanced settings with reading and writing delay

Text description of this image

5.4 Test communication

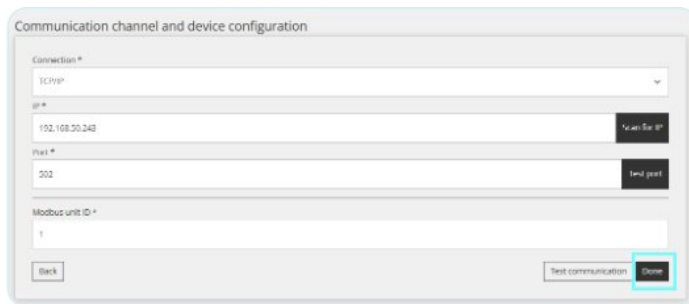
Click **Test communication** at the bottom of the wizard. It reads the Victron MultiPlus II once and saves nothing. If the test succeeds, click **Done**: only **Done** creates the device.



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 of the device under **Devices** in the Reduxi Configurator.

6.2 Enable control by Reduxi

For control by Reduxi, set the **control type** of the device to **AUTO** under **Devices**. Only then do strategy commands affect the device.

Define a strategy as described in [Strategies for Reduxi controller](#).

✓ Summary

Preparation (Points 1–2): Open the Victron manuals. Prepare the MultiPlus-II, the GX device, the controller and the network connection.

Victron system (Point 3): Enable Modbus-TCP on the GX device. Note the unit ID.

Add to Reduxi (Points 4–5): Log in to the Reduxi Configurator. Add the device, select the communication channel and set reading and writing delay to 250. Run Test communication, then click Done.

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

→ Common issues

ISSUE	SOLUTION
Test communication fails	Check that Modbus-TCP is enabled on the GX device under Settings – Services. Check the unit ID under Settings – Services – Modbus/TCP – Available services.
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:



Victron manuals: MultiPlus-II

Manufacturer manuals for the MultiPlus-II.



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