

How to connect Shelly Plus PM energy meter with Reduxi controller

Connect your Shelly Plus PM Mini to the Reduxi Controller over your local Wi-Fi network.

⚡ Shelly Plus PM Mini · Reduxi Controller

📶 Wi-Fi 802.11 b/g/n

🌐 REST API over the local network





Shelly Plus PM Mini

Text description of this image

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1 Technical documentation

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

- [Shelly Plus PM Mini: knowledge base](#) – Technical data, documents and connection instructions
- [Shelly Plus PM Mini: user and safety guide \(PDF\)](#) – Multilingual printed guide
- [Shelly Plus PM Mini: API documentation](#) – Components and interfaces of the device
- [Shelly 1PM: knowledge base](#) – Link from the previous version of this article

2 Required equipment

You need the following components:

- ☐ Reduxi Controller
- ☐ Shelly Plus PM Mini (SNPM-001PCEU16) or Shelly PM Mini Gen3 (S3PM-001PCEU16)
- ☐ Local Wi-Fi network (802.11 b/g/n)
- ☐ Smart device (phone, computer or tablet) to configure the Shelly
- ☐ Laptop or tablet with internet access to configure the device in Reduxi



Note

The Shelly Plus PM Mini measures power. It has no built-in relay.

3 Prepare the Shelly Plus PM Mini

3.1 Technical data

SUPPLY VOLTAGE
110–240 VAC

MAX MEASUREMENT
VOLTAGE
240 VAC

MAX MEASUREMENT
CURRENT
16 A

MAX MEASUREMENT
POWER
3840 W

POWER CONSUMPTION
<1.2 W

WI-FI
802.11 b/g/n, 2.4 GHz

EXTERNAL
PROTECTION
16 A breaker,
characteristic B or C
(recommended by
Shelly)

3.2 Enable the Wi-Fi access point of the Shelly

Press and hold the Reset button for 5 seconds. This enables the access point and Bluetooth. The network name of the Shelly has the format **ShellyPMMini-XXXXXX**. Connect your smart device to it.

3.3 Connect the Shelly to your local Wi-Fi network

Open the web interface of the Shelly and connect the device to your local Wi-Fi network. Set a static IP address (recommended). When the Shelly is connected to a Wi-Fi network, the LED is constantly on.



Note

Note the IP address of the Shelly. You need it in the [Reduxi Configurator](#) (see [Point 5](#)).

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

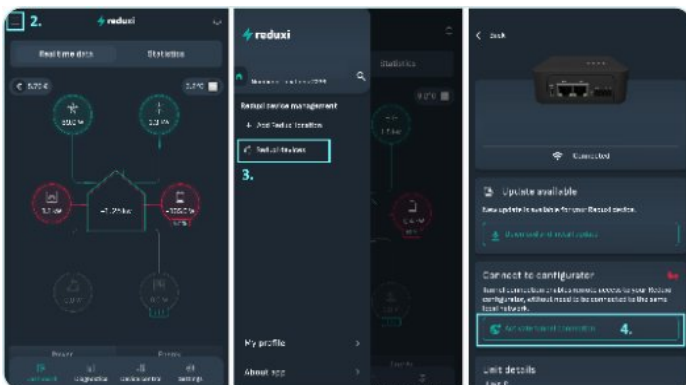
Tap the menu icon (three lines, top left) and select **Reduxi devices**.

3 Activate the tunnel connection

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

4 Open the configurator

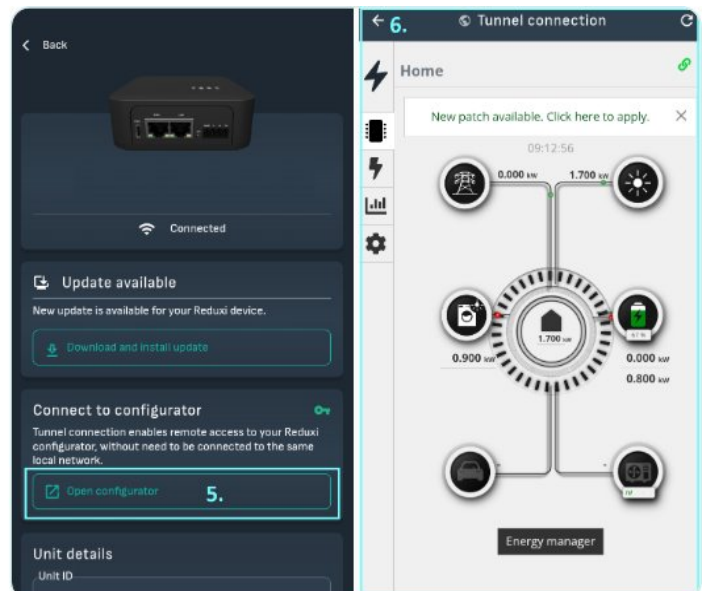
Tap **Open configurator**. The Reduxi web interface opens.



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

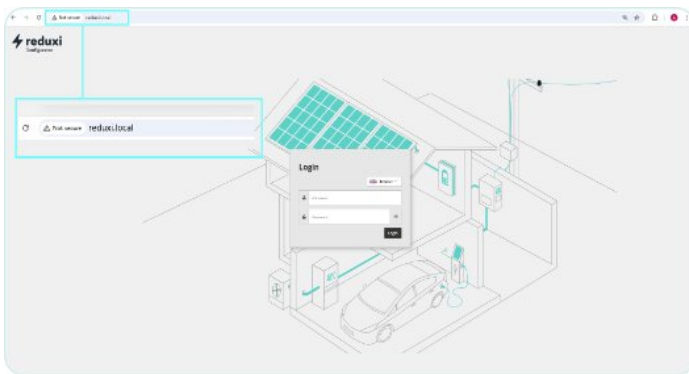
4.2 Via a web browser

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**.

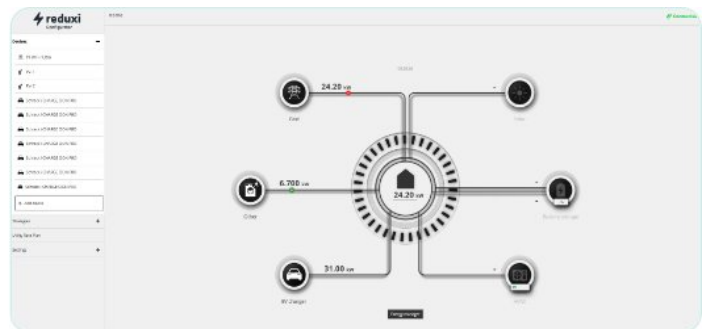
2 Log in

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



Reduxi Controller login screen

Text description of this image



Controller web interface after login

2. Text description of this image

Screenshot of the Reduxi Configurator web interface

5 Add the Shelly Plus PM Mini to Reduxi

Use these steps to add a new Shelly Plus PM Mini or to edit an existing one.

5.1 Basic settings

Log in locally to the [Reduxi Configurator](#) on the controller (see [Point 4](#)) and press the **Add device** button. In the first step, enter the basic settings of the device: select the energy meter and the Shelly Plus PM, and enter a name of your choice. Then press **Next**.

5.2 Communication settings

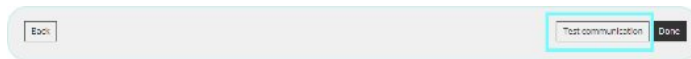
Select the communication channel. Enter the connection details of the Shelly:

PARAMETER	VALUE
Connection	Wi-Fi (local network), REST API
IP	The IP address of the Shelly in your local network (see Point 3)

Then enter and choose the advanced settings.

5.3 Test communication

Click **Test communication** at the bottom of the wizard. It reads the Shelly Plus PM 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 – Shelly Plus PM** in the Reduxi Configurator as an additional test.

✓ Summary

Preparation (Points 1–2): Open the Shelly documentation and prepare the equipment.

Shelly Plus PM Mini (Point 3): Enable the access point with the Reset button and connect the Shelly to your Wi-Fi network.

Add to Reduxi (Points 4–5): Log in to the Reduxi Configurator, add the device with the Shelly IP and test the communication.

Go live (Point 6): Check the last measurements under Devices.

→ Common issues

ISSUE	SOLUTION
The Shelly access point is not visible	Press and hold the Reset button for 5 seconds. This enables the access point.
Test communication fails	Check that the IP in the Reduxi Configurator is the IP of the Shelly in your local network. A static IP is recommended.
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:



Shelly Plus PM Mini: knowledge base

Technical data, documents and connection instructions 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