

How to add EV charging station Tesla Wall Connector (Gen3)?

Connect your Tesla Wall Connector (Gen 3) to the Reduxi Controller.

🔌 Tesla Wall Connector Gen 3 · Reduxi Controller

⚡ Up to 32 A, 22 kW (Type 2) 📶 Wi-Fi 2.4 GHz, WPA2



Tesla Wall Connector (Gen 3)

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1 Technical documentation

Manufacturer documents for the Tesla Wall Connector (Gen 3):

- [**Installing a Wall Connector**](#) – Tesla installer page: commissioning, Wi-Fi connection, registration and firmware updates.
- [**Wall Connector 3 Install Manual \(Type 2, EMEA, en-GB\)**](#) – Installation manual with specifications, commissioning and power sharing.
- [**Power Management**](#) – Static, dynamic and group power management.

2 Required equipment

- ☐ Tesla Wall Connector (Gen 3), installed and commissioned
- ☐ Wi-Fi network at 2.4 GHz with WPA2 security for the Wall Connector
- ☐ Reduxi Controller
- ☐ Laptop or tablet with internet access to configure the device in Reduxi

3 Install and commission the Wall Connector

3.1 Installation and commissioning

Find the instructions to connect and configure the Wall Connector on the manufacturer page:

[Installing a Wall Connector.](#)



Note

Tesla recommends that a Tesla Certified Installer installs the Wall Connector. Commissioning uses the Tesla One app.

3.2 Wi-Fi connection

- The Wall Connector supports 2.4 GHz networks (802.11 b/g/n) with WPA2 security.
- Each unit has its own Wi-Fi network name and password. They are printed on a label at the rear of the unit and on the cover of the Quick Start Guide.
- A Wi-Fi connection is not required for power management. Tesla recommends it for firmware updates and remote troubleshooting.

3.3 Power management

The Gen 3 Wall Connector has three power management features:

- Static: the installer selects a fixed power level during installation.
- Dynamic: the charge rate follows the load of the house. It needs a Tesla-approved power meter, sold separately, and works with a single Wall Connector.
- Group: up to six Gen 3 Wall Connectors share power.

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

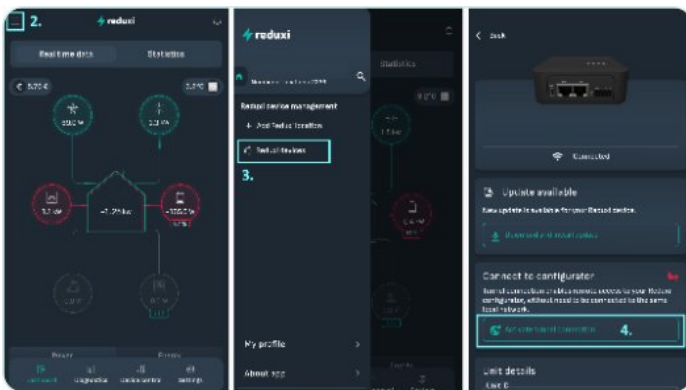
Tap the menu icon (three lines, top left) and select **Reduxi devices**.

3 Activate the tunnel connection

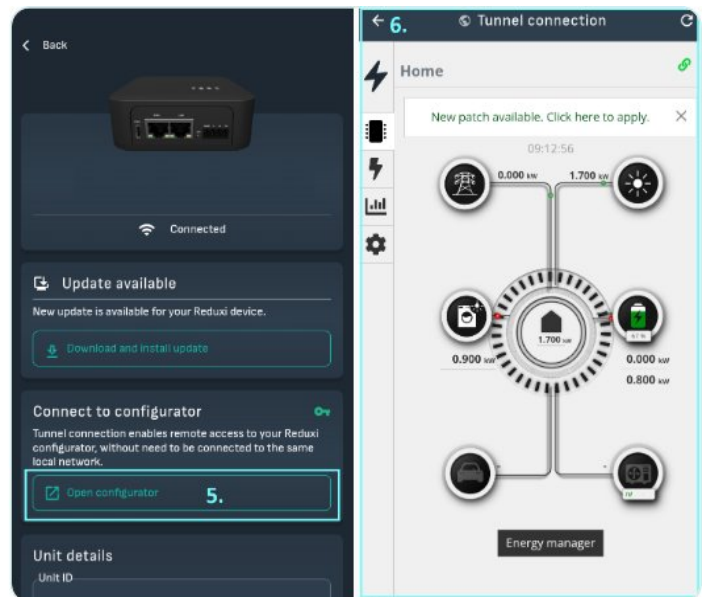
Switch on the tunnel connection and wait a moment until it is active.

4 Open the configurator

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



Activate the tunnel connection (step 3)



Open configurator (step 4)

4.2 Via a web browser

1 Open the login page

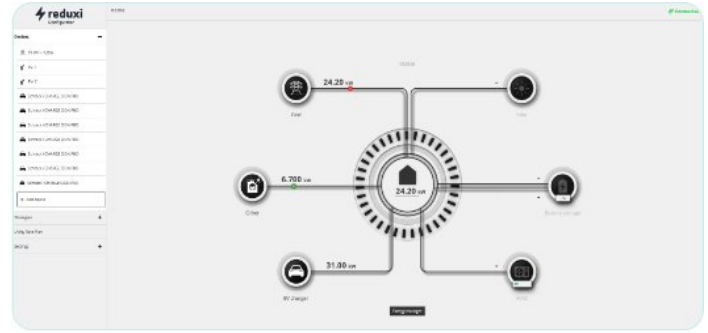
On a device in the same network, open a web browser and enter the controller's IP address or <http://reduxi.local>. You can find the controller's IP address in your router's device list or in the Reduxi app under **Reduxi devices**.

2 Log in

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



Reduxi Controller login screen



Controller web interface after login

5 Add the Wall Connector to Reduxi

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

5.1 Basic settings

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

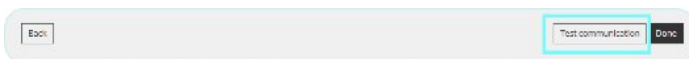
In the first step, enter the basic settings of the device. Then click **Next**.

5.2 Communication settings

Select the communication channel and enter the advanced settings of the Wall Connector.

5.3 Test communication

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



The **Test communication** button



The **Done** button

6 Check the readings

6.1 Last measurements

After communication is established, check the values 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** in the Reduxi Configurator. Only then do strategy commands affect the charger.

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): Read the Tesla documents and prepare the equipment, including a 2.4 GHz WPA2 Wi-Fi network.

Wall Connector (Point 3): Install and commission the Wall Connector with the Tesla One app. Set the power management.

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

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

→ Common issues

ISSUE	SOLUTION
The Wall Connector does not join the Wi-Fi network	It supports only 2.4 GHz networks with WPA2 security (802.11 b/g/n). Check the network type.
Network name and password of the Wall Connector are unknown	They are printed on a label at the rear of the unit and on the cover of the Quick Start Guide.
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:



Tesla Wall Connector: Power Management

Static, dynamic and group power management of the Gen 3 Wall Connector.



Device setup guides

All step-by-step guides for connecting devices to the Reduxi Controller



List of supported devices

All devices that work with the Reduxi Controller



Strategies for the Reduxi Controller

Energy manager and other strategies explained