

How to connect Zetara Inspiration T10 battery (BESS) with Reduxi controller

Connect a Zetara Inspiration T10 battery system to the Reduxi Controller.

🔧 Zetara Inspiration T10 · Reduxi Controller

🔋 LFP battery · three-phase all-in-one

🌐 Modbus (register map from Zetara)

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1 Technical documentation

The Zetara Inspiration series are three-phase all-in-one energy storage systems from Shenzhen Zetara Power System Co., Ltd. A hybrid inverter is integrated. The battery chemistry is lithium iron phosphate (LFP). The data below comes from the distributor product page.

SERIES Zetara Inspiration, three-phase all-in-one	BATTERY LFP (LiFePO4), modular and expandable	INVERTER Hybrid inverter integrated, up to 6 units in parallel	OPERATION Grid, photovoltaic and battery at the same time, off-grid operation possible
PROTECTION IP65			

Manufacturer and product information:

- [Zetara Power](#) – manufacturer website (web, EN)
- [Three-phase All-in-One \(Inspiration series\)](#) – distributor product page (web)

2 Required equipment

- ☐ Reduxi Controller (installed and online)
- ☐ Zetara Inspiration T10 system, commissioned
- ☐ Connection between the system and the Reduxi Controller (see [Point 3](#))
- ☐ Modbus register map of the system from Zetara
- ☐ Laptop or tablet with internet access to configure the device in Reduxi

3 System overview and wiring

The Reduxi Controller reads the measured values of the system and sends the commands of the Reduxi strategies. The system must support Modbus communication with a complete register map. The requirements are in [Integration requirements for battery energy storage system \(BESS\)](#) and [Integration requirements for hybrid inverters](#).

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

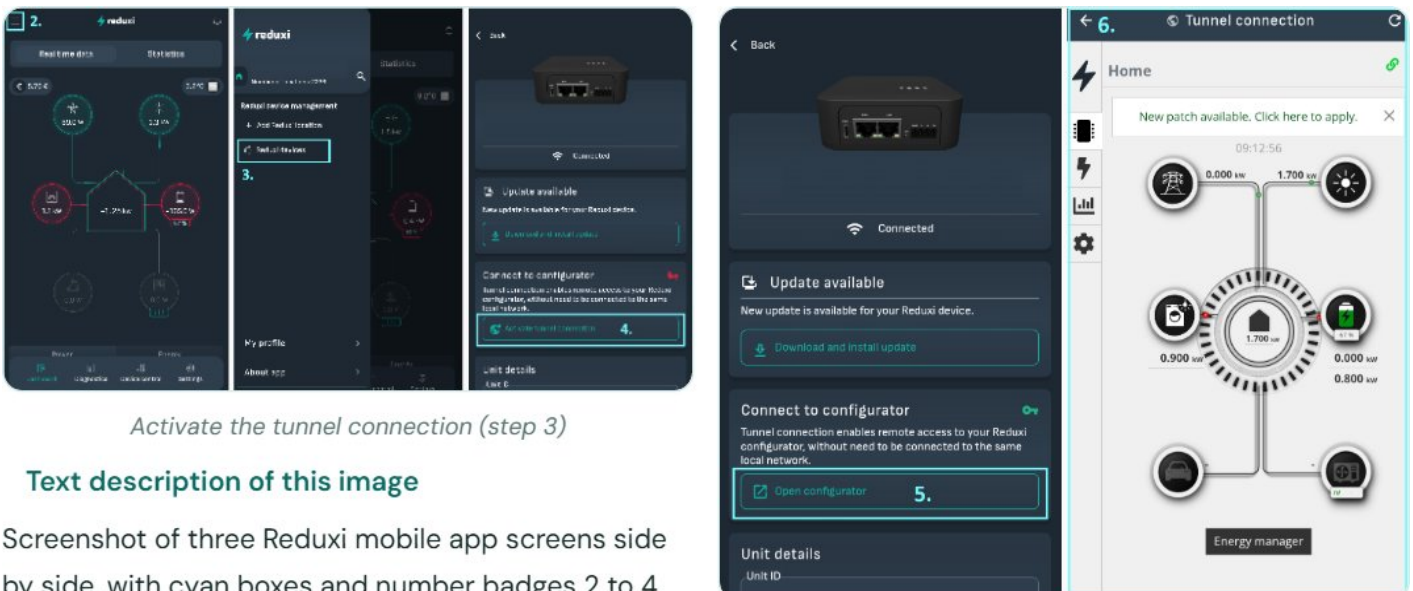
Tap the menu icon (three lines, top left) and select **Reduxi devices**.

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

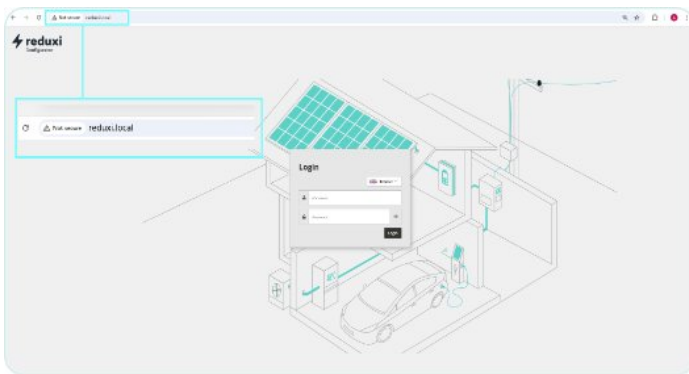
4.2 Via a web browser

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**.

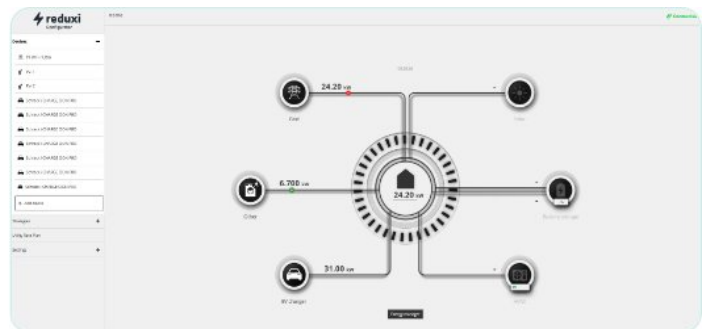
2 Log in

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 device to Reduxi

Open the Configurator first, see [Point 4](#). The device is added with the wizard in two steps.

5.1 Basic settings

1 Click + Add device

In the left menu the section **Devices** lists all devices (click it if it is collapsed). **+ Add device** sits directly below the list. Do not use **+ Add EEBUS device**.

2 Device type and type

Select the device type and type of the Zetara system. Only types listed in the List of supported devices can be selected.

3

Name and strategies

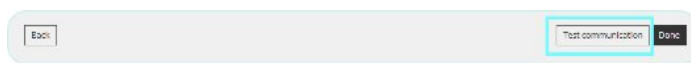
Enter a clear name, for example **Zetara Inspiration T10**. Tick the strategies the device should take part in, then click **Next**.

5.2 Communication settings

The second step sets up the Modbus communication between the Reduxi Controller and the system. Enter the connection type, the address and the Modbus unit ID as they are set on the system.

5.3 Test communication

Click **Test communication** at the bottom of the wizard. It reads the Zetara Inspiration T10 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

6

Check the readings

6.1 Last measurements

Open **Devices** → **your Zetara device** → **Last measurements** in the Configurator. The values show whether the system communicates correctly.

6.2 Control behaviour

For control by the Reduxi strategies, open **Devices** and your Zetara device in [the Reduxi Configurator](#) and set the control type to **AUTO**. Only then do strategy commands affect the battery.

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

✓ Summary

Preparation (Points 1–2): Check the product information. Get the Modbus register map from Zetara and prepare the equipment.

Zetara Inspiration T10 (Point 3): Connect the system to the Reduxi Controller. The system must support Modbus.

Add to Reduxi (Points 4–5): Open the Configurator, add the device, enter the communication settings, run Test communication and click Done.

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

→ Common issues

ISSUE	SOLUTION
Test communication fails	Check the connection type, address and Modbus unit ID against the settings on the system. Controller and system must be able to reach each other.
The type of the Zetara system is not selectable	Only types listed in the List of supported devices can be selected. The system must support Modbus (see Integration requirements for BESS).
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:



Zetara Power

Manufacturer website with product information



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