

Before starting

This manual provides a quick overview of all the necessary steps to commission a gridBox. Make sure to carefully read the **Safety instructions** and **Compliance** in our [HelpCenter](#).

To access the commissioning wizard, first register as a new user and confirm the privacy policy and the terms of use at the login page provided by gridX.



NOTE

The system user must confirm the terms of use and privacy policy to ensure GDPR compliance.

After logging in with the created user, the commissioning wizard guides you through the three main sections of the commissioning process:

1. Setting up the system
2. Discovering and connecting devices
3. Configuring the system

For questions or assistance, contact your gridBox supplier's hotline. If available, you can always find the hotline information by clicking the support icon in the commissioning wizard.



NOTE

To ensure an optimal experience, the minimum supported browser versions are Chrome 80, Firefox 73, Edge 80, or Safari 13.

Setting up the system

Before you begin, ensure you complete the following steps:

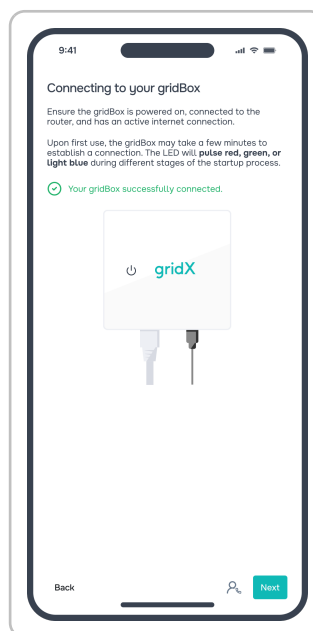
- Install all individual devices following the manufacturer's installation instructions.
- Enable local network communication for all other devices, for example, by enabling Modbus.
- Power the gridBox and connect it to the local network. For assistance with the physical setup, you can refer to the following resources:
 - [physical connection](#)
 - [status LED](#)

Provide basic installation information

To begin, provide information about yourself and the system you are installing. This information identifies the system for necessary support and enables weather and solar forecasts tailored to the installation region.

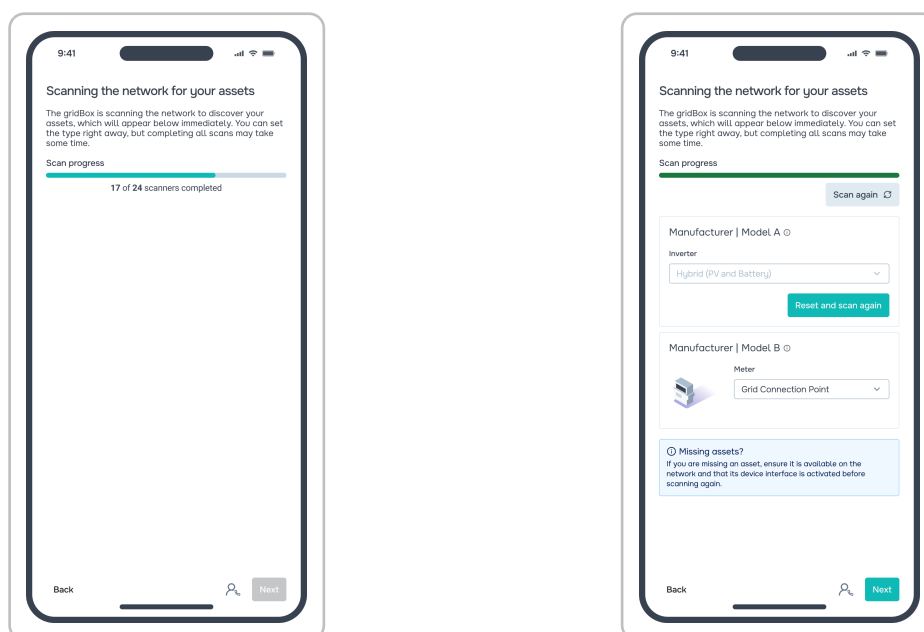
Connecting the gridBox

Set up a new system by registering the gridBox once. To register the gridBox, provide the **start code** located on the back of the gridBox and inside the lid of the shipping box. Once the gridBox is registered and connected, you can proceed with setting up the devices.



Discovering and connecting devices

Once registered and connected, the gridBox begins scanning the network to discover your devices. If the devices are compatible and their interfaces, for example, Modbus, EEBus, are active, your inverters, meters, charging stations, heat pumps, and other devices appear on the results page. The system scan can take a few minutes to complete.



If you are missing a device after a scan finishes, ensure the device is available on the network and that its interface is activated before scanning again.

Provide extra information for some devices to ensure that the gridBox can effectively control them and optimize the entire system. You can enter the information as soon as the device is detected, without waiting for the scan to finish.

The following sections explain the various options available for each device type.

Inverters

Inverter type	Explanation
PV system	An inverter that only controls a PV system.
PV full feed-in	An inverter that only controls a PV system, feeding all production into the grid.
Battery	An inverter that only controls a battery.
Hybrid (PV and Battery)	A hybrid inverter that controls a PV system and a battery.
Not set	If you do not know the type of inverter, this option will exclude the device from the energy management system's control.

Meters

Meter type	The meter tracks the consumption and production of
PV system	PV system
PV full feed-in	PV system, feeding all production into the grid
Grid connection point	Complete household at the grid connection point. To ensure the energy management system operates correctly, you need exactly one meter of this type.
Heat pump (consumption meter)	If there is only one utility meter, and the heat pump consumption is billed in the same way as the rest of the home's electricity.
Heat pump (additional meter)	If there is a separate utility meter specifically for the heat pump. This second meter operates under its own tariff and serves as an independent grid connection, separate from the household's primary electrical system.
Fuel cell	Fuel cell
Charging station	Charging station
Electric heater	Electric heater
Battery	Battery
Miscellaneous	Other consumers
Not set	If you are unsure of what the meter is tracking, this option will exclude the device from the energy management system's control.

Heat pumps

Indicate whether the heat pump connects to its own separate meter or the general household consumption meter. This information is crucial for managing the heat pump correctly. If the heat pump consumption is measured by a separate meter and billed with a dedicated tariff, it is not used for self-sufficiency optimization.

Additional connection options

Some devices, such as EEBus and Enphase, and devices that support Plug & Play, might require additional steps to connect to the system. If needed, the commissioning wizard provides instructions to help you complete the connection.

Configure the system

After successfully connecting all devices to the gridBox, you can finalize the commissioning process by completing the system configuration.

This step involves providing additional information to comply with the country-specific legal requirements for the system's installation.

To set up the **Energy management system**, additional configuration is required based on the connected devices. For instance, if the system includes a PV system, you need to provide the total module capacity and the installation date.

Finally, a system check confirms that your setup is complete and all devices are fully connected. Congratulations! You have successfully set up a gridBox and can now review the system in the end customer application.

