

Compleo Advanced/Duo, Solo, Max, ZAS and Highline (production before 02/2022) - Commissioning

This brief installation instruction provides a quick overview of all the necessary steps. Additional information, references, and sources can be found in our [HelpCenter](#). The Installation instructions are only valid for the integration of the energy management system and the configuration of relevant assets. Make sure to carefully read the [safety instructions](#) and adhere to the [Infrastructural requirements for a gridBox gateway installation](#)

Required:

- Latest firmware



Connection



NOTICE

The instructions in this manual apply to Compleo Advanced/Duo, Solo, Max, ZAS and Highline produced before February 2022. For more information, refer to the manufacturer's manual.

The Compleo Advanced charging station must be connected to the gridBox via Ethernet. This is done via a network switch.

For cable measurements (Ethernet connection), the measuring device can be connected to the RJ45 port (X3).

Configuration of the charging point

Almost all settings are configured directly by Compleo. When the charging stations are ordered, it must already be specified how they are used later on.

These are, among others, the following aspects or parameters:

- Activation Modbus

- Activation load management by an external system
- Each station must be configured as master
- IP address/netmask (these must be set statically, within the range specified by gridX, to avoid collisions)

For configuration changes apart from the IP address, Compleo support is required after delivery.

The IP address can be configured with a specific software tool. However, the PC with the tool must be in the same network segment as the charging station for this to work.

Network

As mentioned above, the IP address of the charge point is already defined at delivery and can be adjusted by gridX, among others.



NOTE

- The charging stations do not have fixed MAC addresses
- Therefore, DHCP must not be used for IP address assignment
- Static IP addresses must be used and assigned directly to the charging station

Load management

To control the charging station or charging points via load management (gridX), there are basically two possibilities:

- Via Modbus protocol
- Via OCPP protocol (OCPP Messages)

If Modbus is used for load management and OCPP is used to connect to a backend management system (CSMS) at the same time, there might be interferences in the power control. For example, OCPP specifies a maximum power (ChargingProfile), which then cannot be overwritten by gridX.

Maximum charging current

This might be limited by OCPP Charging Profiles.