

Commissioning instructions

Gira Eco with charging point MENNEKES AMTRON

Required items

Gira Eco

Item number: 2045 00

ETS product database entry: from version 2.0

Firmware: from version 2.0

ETS version

from 5.7.5 or

from 6.0.2

MENNEKES charging point

AMTRON 4YOU 300

MENNEKES software

MENNEKES configuration tool

MENNEKES equipment

MENNEKES configuration cable 18625



The commissioning instructions offer support with the parametrisation of the charging point-dependent interfaces.



For detailed information on installation, use and safety instructions, please see the product manual and installation instructions for the Gira Eco as well as the documentation issued by the charging point manufacturer.

Installation may only be performed by a qualified electrician.

Basic requirements

A Windows PC is

- connected with an Internet-enabled router,
- equipped with the MENNEKES configuration tool,
- equipped with the ETS.

The charging point is

- disconnected from the power supply,
- opened for the configuration via the DIP switch,
- connected to the Windows PC via MENNEKES configuration cable.

The Gira Eco is

- connected to the power supply,
- connected to the KNX bus,
- connected to the same IP network as the Windows PC via RJ45,
- created as a device in an ETS project.



Note

Keep to the following sequence:

1. Configure the charging point.
2. Configure the Gira Eco.
3. Connect the Gira Eco with the charging point(s) using the RS485.

Settings on the charging point

Activating Modbus RTU / Deactivate unbalanced load limitation

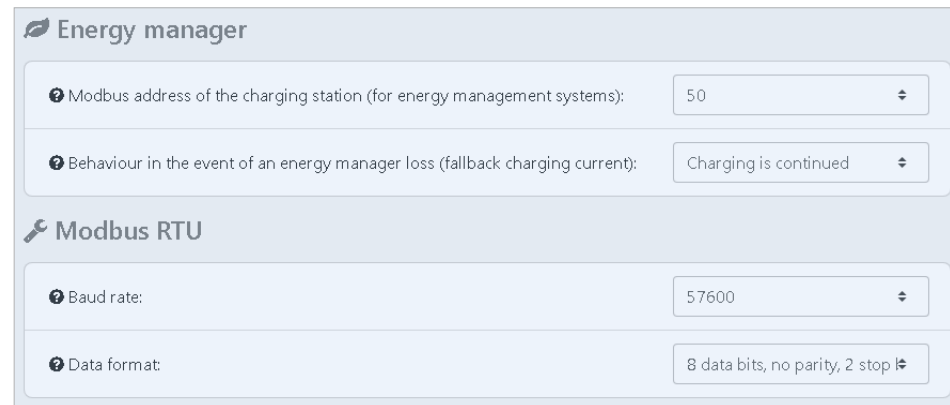
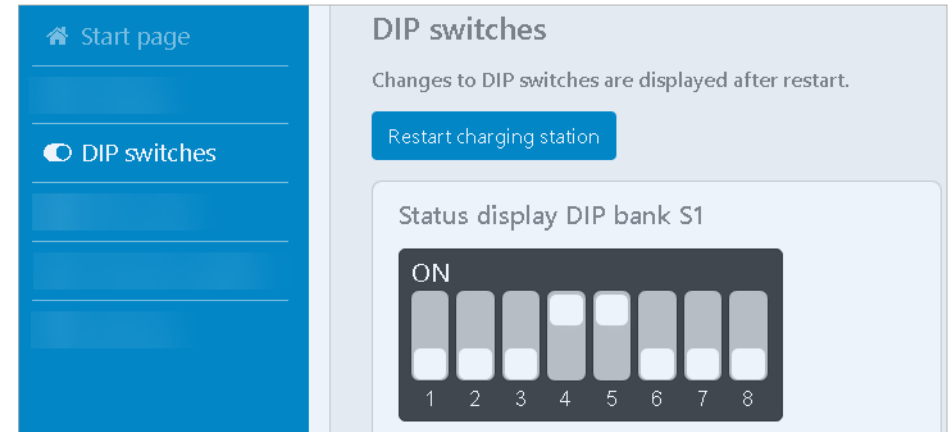
- Turn ON DIP switches 4 und 5 on DIP bank S1.
- DIP switch 2 must be set to OFF in order to be able to use the unbalanced load management of the Gira Eco.
- Close charging point and ensure power supply.
- Open MENNEKES configuration tool.

Assign Modbus address

- Open „Settings“ → „Energy manager“.
- Note/remember „Modbus address of the charging station“ for entry in the ETS.
- „Behaviour in the event of an energy manager loss“ set to either „6 A“ or „Charging is continued“.

Enter baud rate

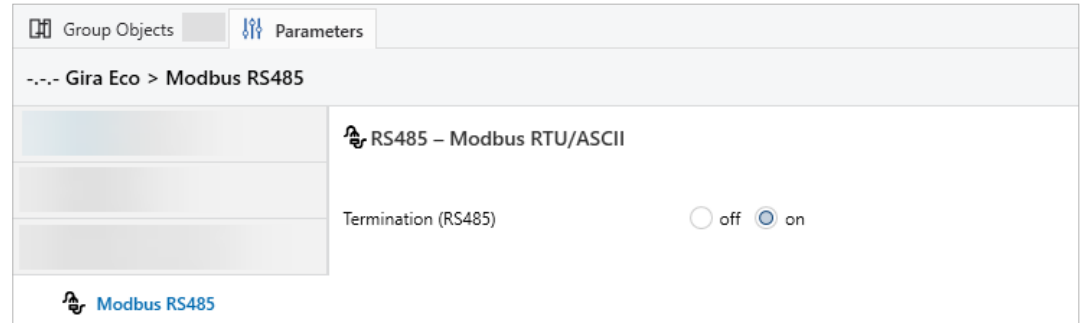
- Call up „Settings“ → „Modbus RTU“.
- Enter baud rate „57600“.
- Enter data format „8 data bits, no parity, 2 stop bits“.



Settings in the ETS

Add termination resistor

- Select Termination (RS485) „on“.
- The termination resistor is activated.



Configuring charging point-specific settings

- Select the charging point manufacturer.
- Select the charging point model.
- Enter the modbus client address of the charging point.

