

Installation and Configuration Manual — MENNEKES AMTRON Professional

Version:2025.1.1

Table of Contents

1. Introduction **2**
1.1. Legal provisions . . . 2
1.2. Qualification of the installing electrician . . . 2
2. Product description **3**
2.1. Prerequisites . . . 3
3. Commissioning **4**
3.1. Ethernet connection . . . 5
3.2. Settings via the MENNEKES web interface . . . 5
4. Install FEMS App MENNEKES AMTRON Professional Read Access **7**
4.1. Installation wizard . . . 7
5. Contact us **9**
6. Directories **10**
6.1. List of illustrations . . . 10

1. Introduction

1.1. Legal provisions

The information contained in these documents is the property of Heckert Solar GmbH. Publication, in whole or in part, requires the written consent of Heckert Solar GmbH.

Subject to changes and printing errors!

1.2. Qualification of the installing electrician

A qualified electrician is a person who has the necessary experience and training:

- Setting up, switching on, switching off, disconnecting, short-circuiting and repairing circuits and devices
- Standard maintenance and use of protective devices in accordance with current safety standards
- First aid/emergency care
- Current knowledge of local regulations, standards and guidelines

2. Product description

2.1. Prerequisites

The following is required to use the charging station:

- FEMS App MENNEKES AMTRON Professional Read Access
- MENNEKES firmware version 5.22 or higher



The "FEMS App MENNEKES AMTRON Professional Read Access" is not included in the scope of delivery. This must be purchased separately if not already available.

3. Commissioning



To install the MENNEKES AMTRON Professional charging station, please follow the instructions in the "MENNEKES AMTRON Professional Operating and Installation Manual."
Installation Manual — MENNEKES AMTRON Professional



This quick guide refers to the original user manuals.
It serves as an installation aid for qualified electricians in the area of communication interfaces, but is not a substitute for studying the user manuals.

3.1. Ethernet connection

Once the charging station has been installed, it must be connected to the customer network via the "retrofit kit (USB Ethernet adapter)". To do this, connect the retrofit kit to the charging station via the USB port of the ECU (1) and the customer network to the retrofit kit (2) via the Ethernet port.

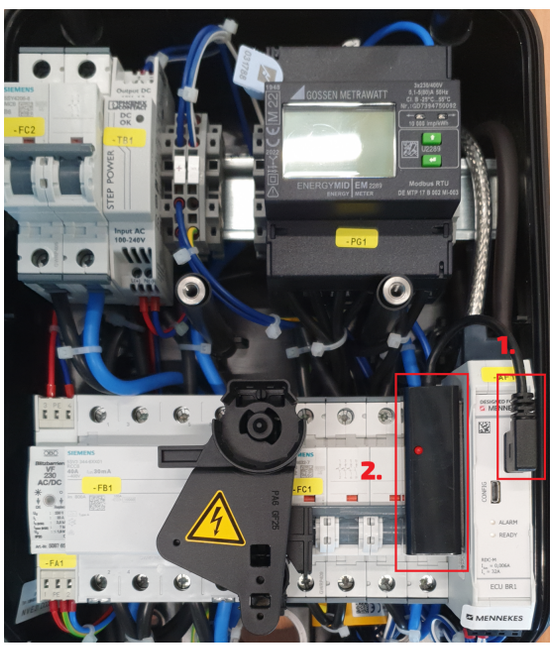
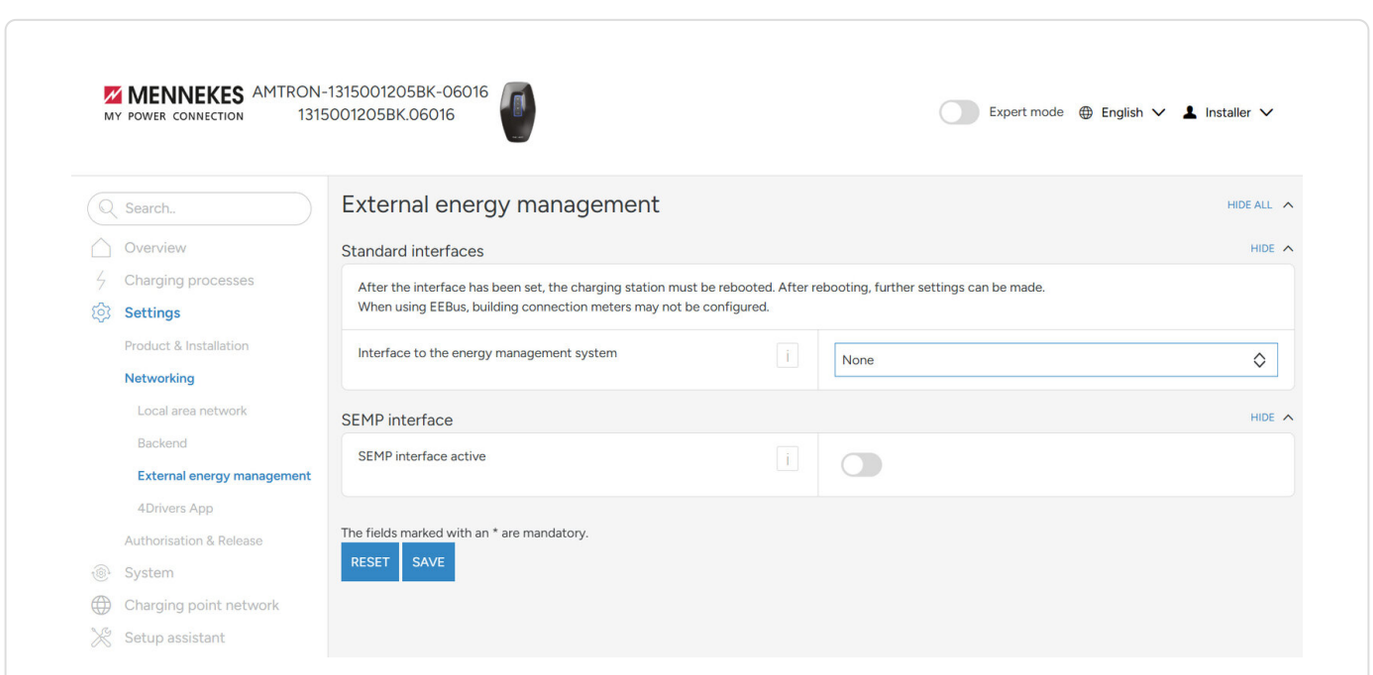


Image 1. Retrofit kit for Ethernet connection

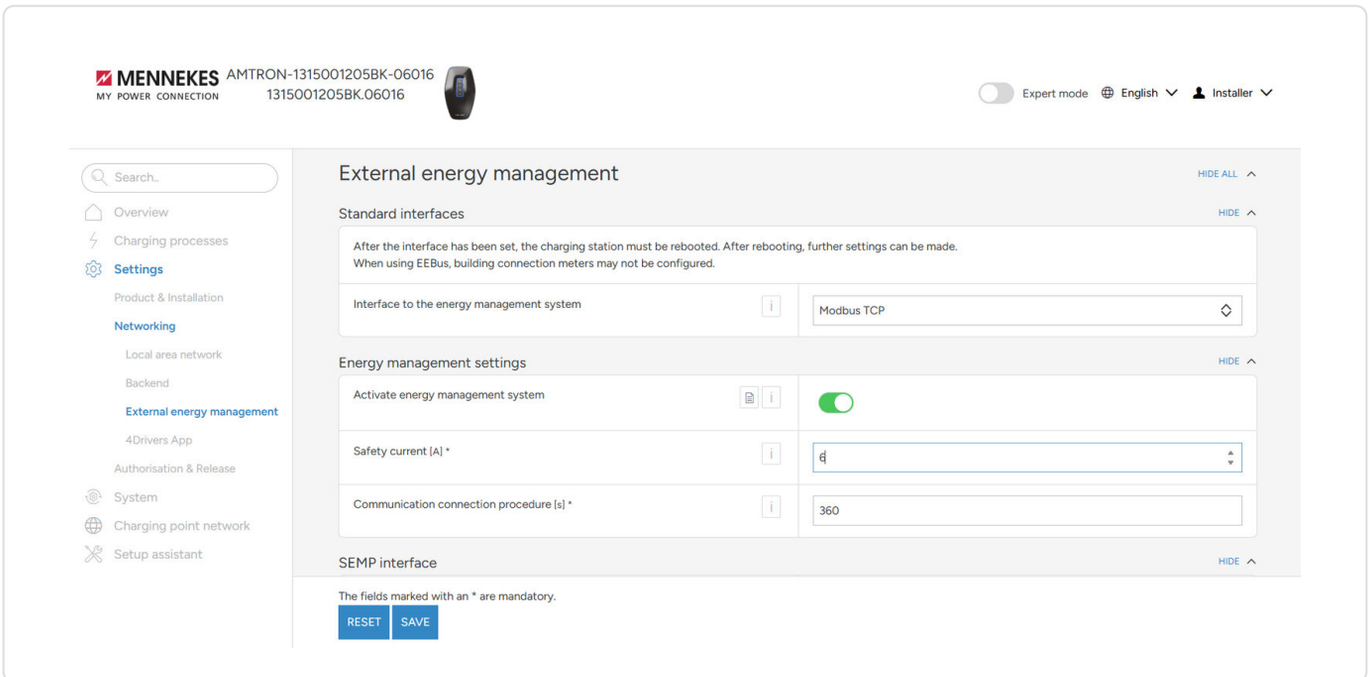
3.2. Settings via the MENNEKES web interface

1. Log in to the MENNEKES charging station via the web interface and navigate to *Settings* > *Networking* > *External Energy Management* using the side menu:

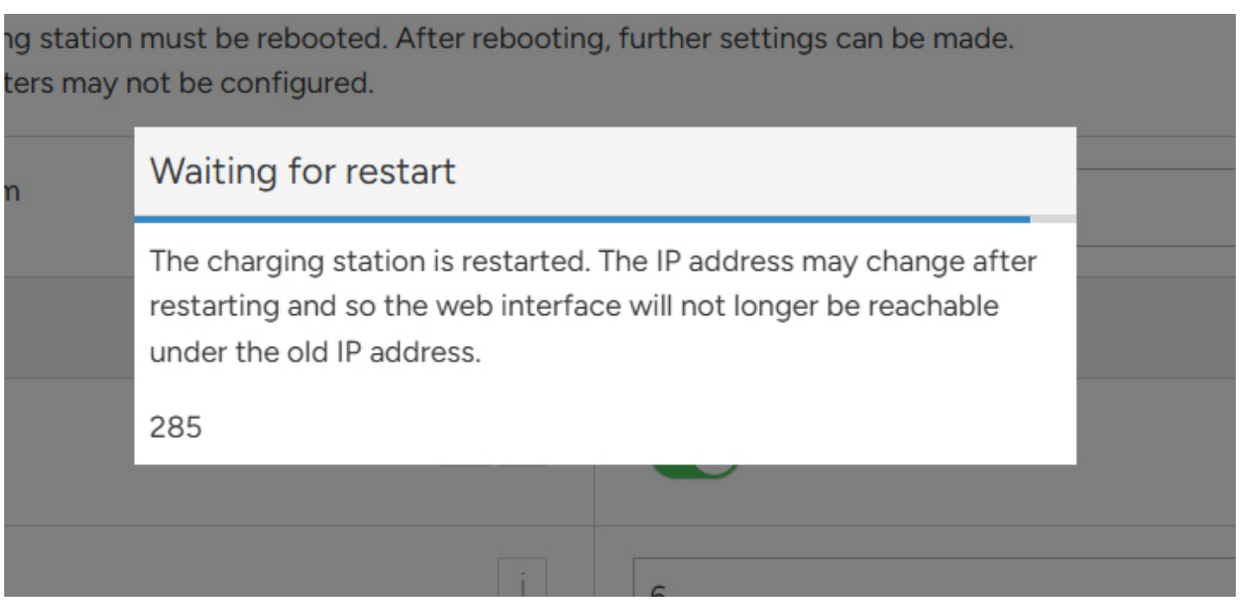


2. From the drop-down menu, select **Modbus TCP** as the interface to the energy management system.

3. Enable the energy management system by clicking the toggle .
4. The safety current should be set to 6 A. The timeout for the communication connection should be set to 360 seconds.



5. After you have made the settings, click *SAVE*.
6. Restart the charging station.



The configuration is now complete.

4. Install FEMS App MENNEKES AMTRON Professional Read Access

In the FEMS App Center you will find all installable FEMS Apps — such as the FEMS App MENNEKES AMTRON Professional Read Access.



The user manual FEMS App Center provides detailed instructions on how to use the FEMS App Center. It also explains how to register and redeem a license key.

Then follow the instructions in the FEMS App installation wizard on your MENNEKES AMTRON Professional.

4.1. Installation wizard

You will then be taken to the installation wizard for FEMS App MENNEKES AMTRON Professional Read Access.

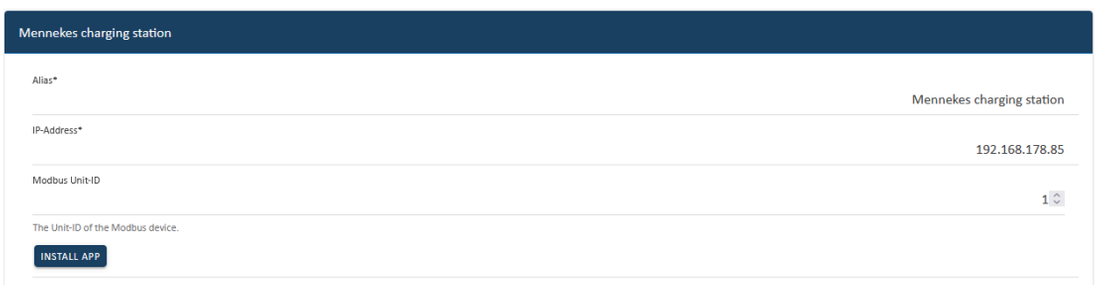


Image 2. App installation — Variant 2: Step 7

Some of the input fields are pre-filled. Nevertheless, enter your data if it differs from the default values (e. g. IP address). Otherwise, the default values can be retained (e. g. port, Modbus unit ID).



Mandatory fields are marked with *



Check your entries and make sure that they are correct. Otherwise the respective app will not work properly!

Please enter the IP address and the previously set bus ID.

Use the arrow buttons ▲▼ to select the correct bus ID.

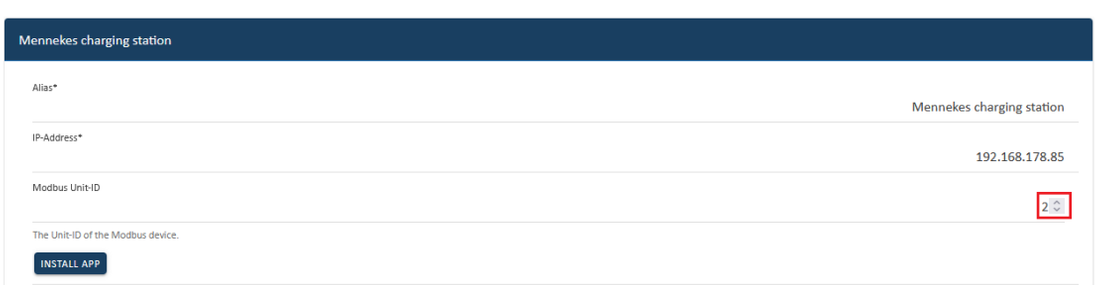


Image 3. App installation — Variant 2: Step 8

Then click on "Install app".

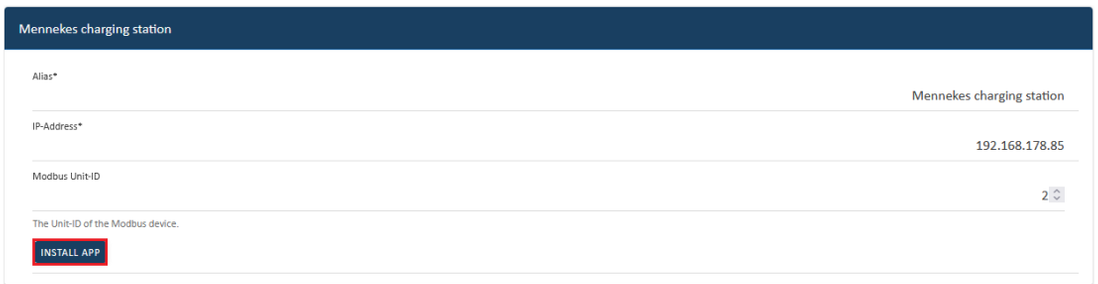


Image 4. App installation — Variant 2: Step 9

Once the installation process is complete, the new app appears in the overview of the FEMS App Center in the "Installed" category.

The FEMS App MENNEKES AMTRON Professional Read Access has been successfully installed.

5. Contact us

For support, please contact:

Symphon-E Service

Service phone: +49 (0) 371 45 85 68 - 100

E-mail service: symphon-e@heckert-solar.com

6. Directories

6.1. List of illustrations

Image 1. Retrofit kit for Ethernet connection
Image 2. App installation — Variant 2: Step 7
Image 3. App installation — Variant 2: Step 8
Image 4. App installation — Variant 2: Step 9