



Installations- und Konfigurationsanleitung – MENNEKES AMTRON Professional

Version:2025.1.1

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1. Introduction

1. Introduction

1.1. Legal provisions

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

1.3. Symbols used

Before reading the manual, you should familiarize yourself with the different types of safety warnings. You should also familiarize yourself with the importance of the safety warnings.

1.4. Darstellungskonventionen

	This symbol indicates an imminent danger. If this danger is not avoided, it can lead to death or serious injury.
	This symbol indicates a potentially dangerous situation. If this dangerous situation is not avoided, it may result in minor or moderate injury.
	This symbol indicates a warning. Failure to observe this warning may result in damage and/or destruction of the system.
	This symbol indicates a note. It is recommended that the note be observed.

Table 1. Darstellungskonventionen

2. Produktbeschreibung

2.1. Scope of delivery

Prüfen Sie, nachdem Sie die Lieferung erhalten haben, ob alle Bestandteile mitgeliefert wurden. Prüfen Sie den Lieferumfang auf Beschädigungen. Sollte etwas fehlen oder beschädigt sein, wenden Sie sich bitte sofort an den Lieferanten. Folgende Komponenten sind in der Lieferung enthalten:

- Mennekes AMTRON Professional Ladestation
- Betriebs- und Installationsanleitung — Mennekes AMTRON Professional Ladestation
- 3 x RFID-Karte
- USB-Kabel
- Nachrüstset (USB-Ethernet-Adapter)

2.2. Prerequisites

Für den Einsatz der Ladestation ist erforderlich:

- FEMS App MENNEKES AMTRON Professional lesend



Die »FEMS App MENNEKES AMTRON Professional lesend« ist nicht im Lieferumfang enthalten.
Diese muss — falls noch nicht vorhanden — zusätzlich erworben werden.

3. Commissioning



To install the Mennekes AMTRON Professional charging station, please follow the instructions in the "Mennekes AMTRON Professional Operating and Installation Instructions".

[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.

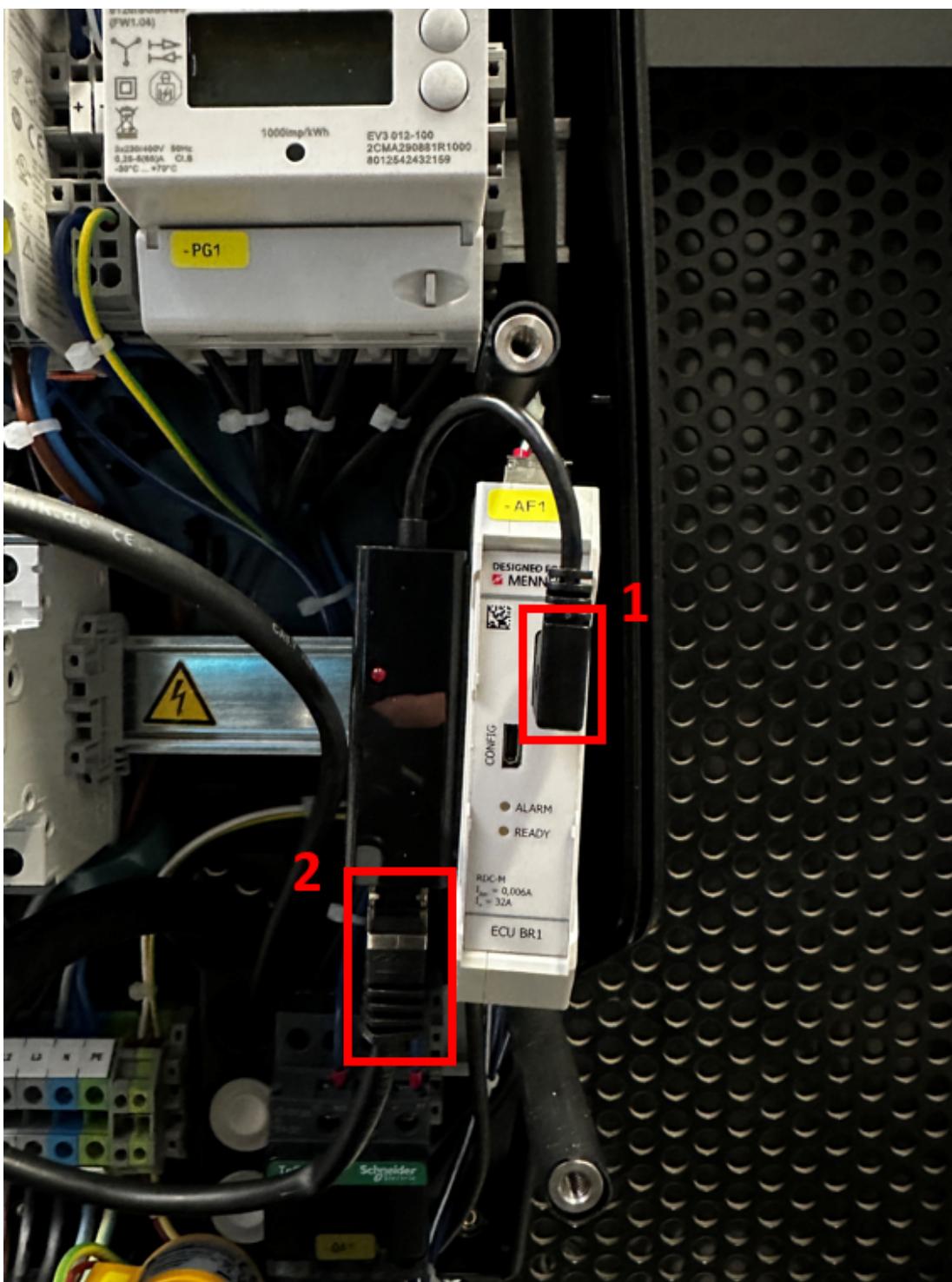


Figure 1. Retrofit kit for Ethernet connection

3.2. Configuration

After connection to the customer network, the wallbox is assigned an IP address using DHCP. This IP address must

3.2. Configuration

be determined in the DHCP server, e. g. the router.

To be able to reach the wallbox via its IP address, your computer must be in the same network. Open an internet browser and enter the IP address determined.

Example: "http://123.123.123.123"

After entering your login data (included in the scope of delivery), a website opens that looks like this:

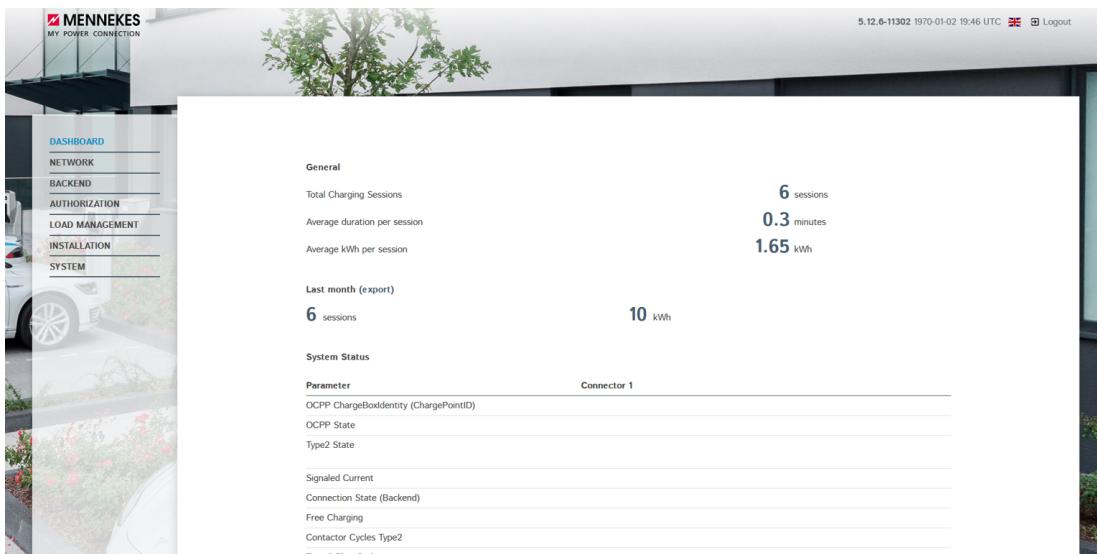


Figure 2. MENNEKES web interface

A wide range of settings can be made via the web interface.

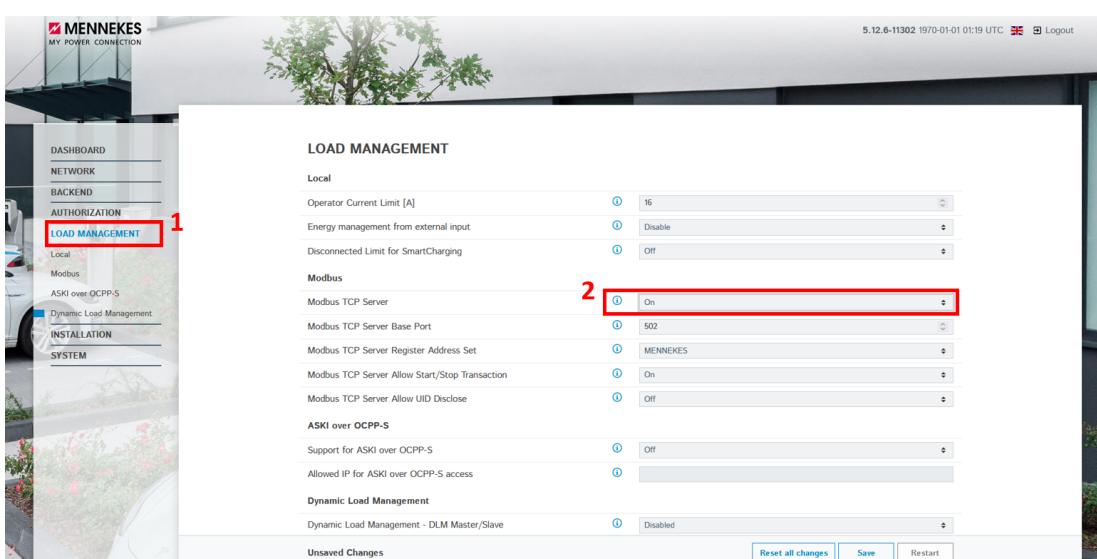


Figure 3. Load management

Under the "LOAD MANAGEMENT" button (1), the "Modbus TCP Server" setting (2) must be set to "On" to enable communication between the charging station and the FEMS.

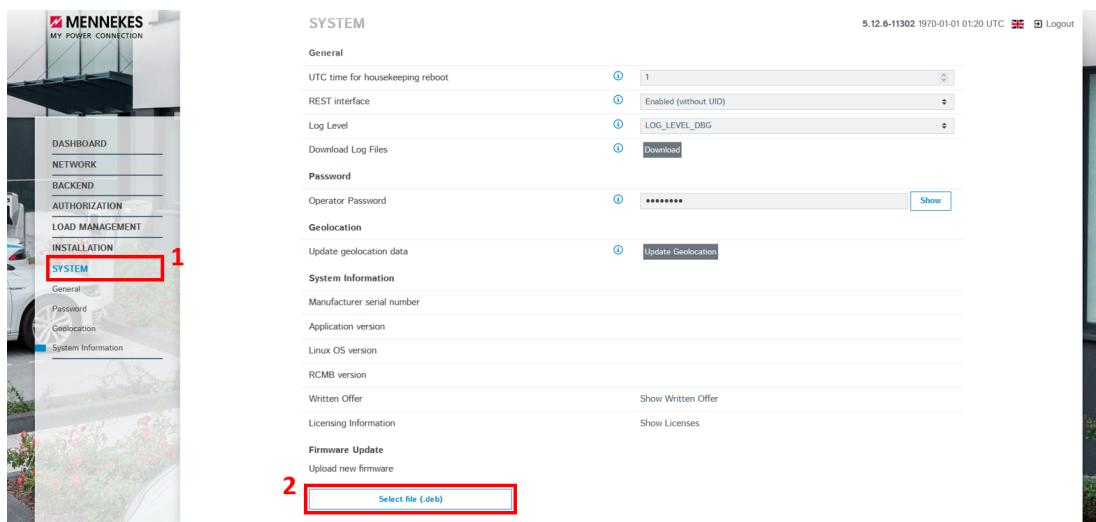


Figure 4. Firmware update

To ensure that all new functions of the charging station can be used, we recommend always using the latest firmware. Under the "SYSTEM" button (1), a firmware update file can be uploaded and installed using the "Select file" button (2).

Die Konfiguration ist hiermit abgeschlossen.

4. Install FEMS App MENNEKES AMTRON Professional lesend

4. Install FEMS App MENNEKES AMTRON Professional lesend

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



In dem Benutzerhandbuch FEMS App Center finden Sie eine ausführliche Anleitung zur Bedienung des FEMS App Centers. Des Weiteren wird beschrieben, wie ein Lizenzschlüssel registriert und eingelöst werden kann.

Es gibt zwei Wege eine App über das FEMS App Center zu installieren. Nachstehend wird nur auf die [\[Direkte Installation\]](#) eingegangen, wobei ein Lizenzschlüssel in der FEMS App registriert und eingelöst wird.

4.1. Direct Installation

To install the FEMS App MENNEKES AMTRON Professional lesend directly, go to the overview of the FEMS App Center.



Only apps from the "Available" category can be installed.



Figure 5. App installation — Variant 2: Step 1

Select the FEMS App MENNEKES AMTRON Professional lesend by clicking on it.

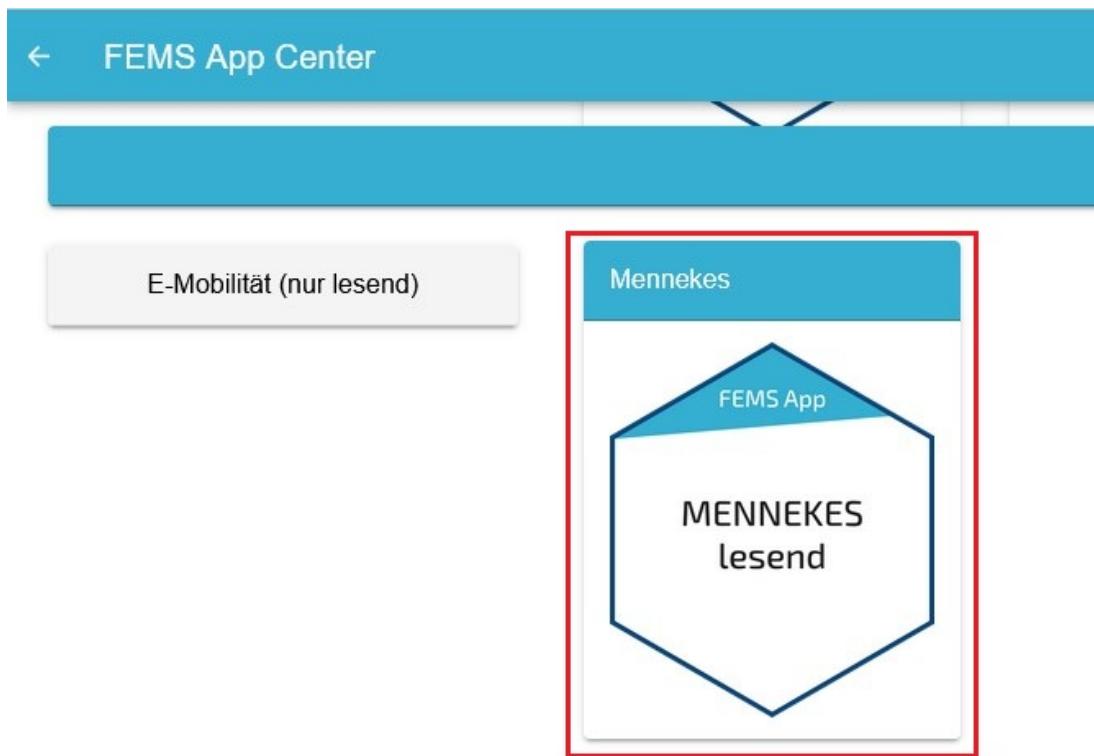


Figure 6. App installation — Variant 2: Step 2

You will then be taken to the app overview.

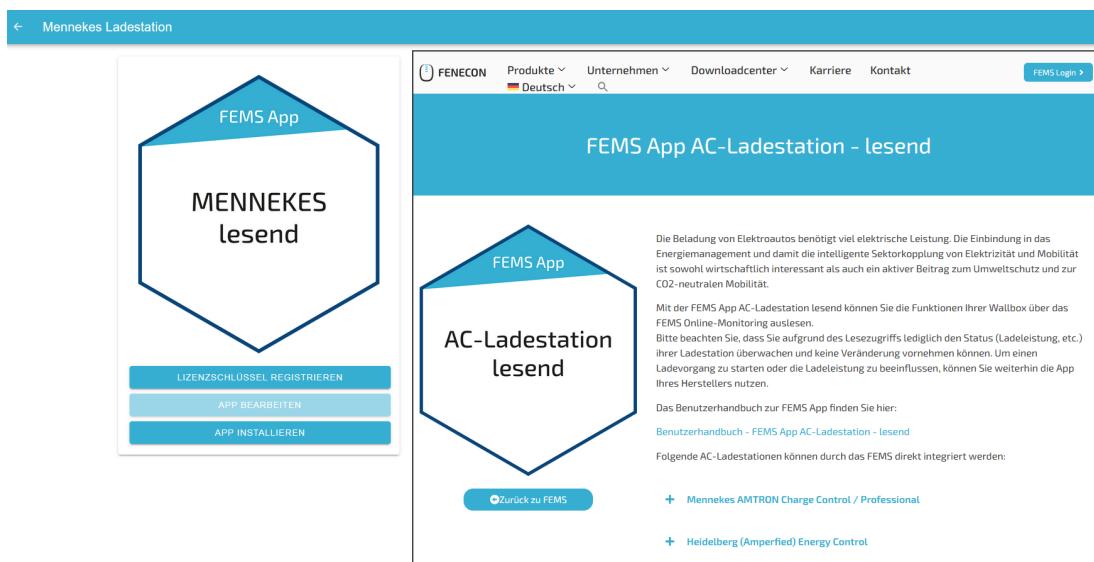


Figure 7. App installation — Variant 2: Step 3

Click on the "Install app" button.

4.1. Direct Installation



Figure 8. App installation — Variant 2: Step 4

An input mask for redeeming a license key appears.

Redeem licence key

Please enter the licence key you have received in the order process here:

Do you wish to redeem a key already registered?

Registered licence keys* XXXX-XXXX-XXXX-XXXX

Licence key* XXXX-XXXX-XXXX-XXXX

CANCEL **REDEEM LICENCE KEY**

Figure 9. App installation — Variant 2: Step 5

You have two options here.

4.1.1. Redeem already registered license key

If you want to redeem an already registered license key, select it (1). Then click on the button of the same name to redeem the selected license key (2).

Redeem licence key

Please enter the licence key you have received in the order process here:

Do you wish to redeem a key already registered?

Registered licence key* **1** → XXXX-XXXX-XXXX-XXXX

Licence key* XXXX-XXXX-XXXX-XXXX

CANCEL **REDEEM LICENCE KEY** **2**

Figure 10. App installation — Variant 2: Step 5a

4.1. Direct Installation

4.1.2. Redeeming a new license key

If you have not yet registered a license key or wish to redeem a new license key, enter the 16-digit key in the corresponding field (1) and then click on "Validate license key" (2). The entered license key is then checked for validity.

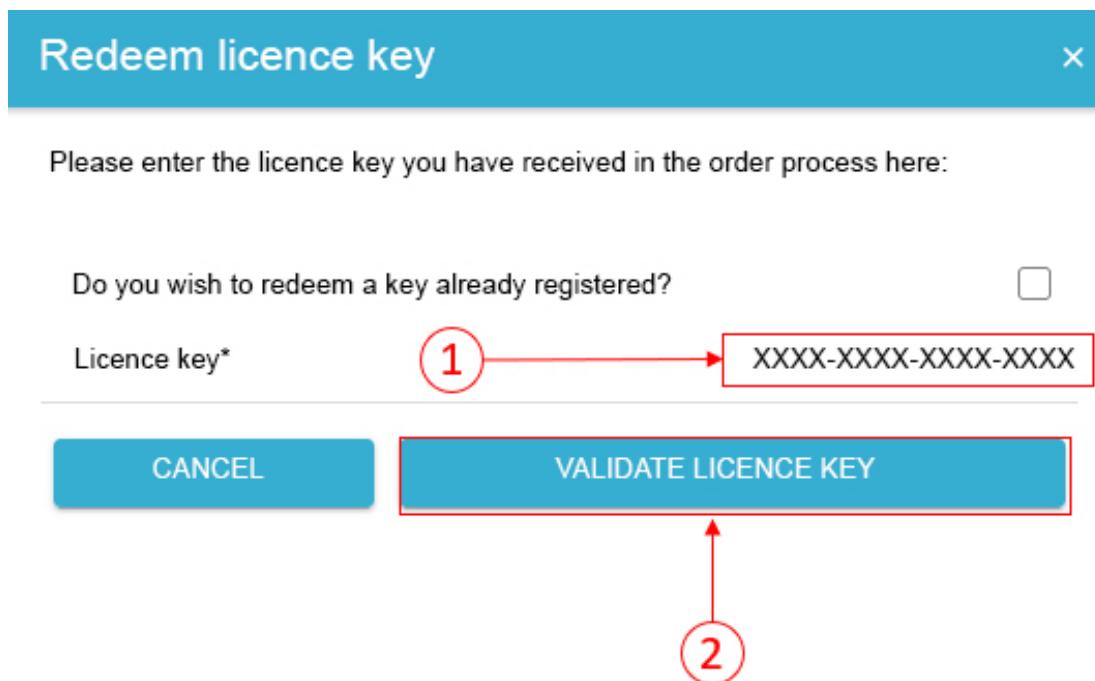


Figure 11. App installation — Variant 2: Step 5b

If the license key is valid, it can be redeemed by clicking on the button of the same name. If the license key is recognized as invalid, please check your entry and try again.

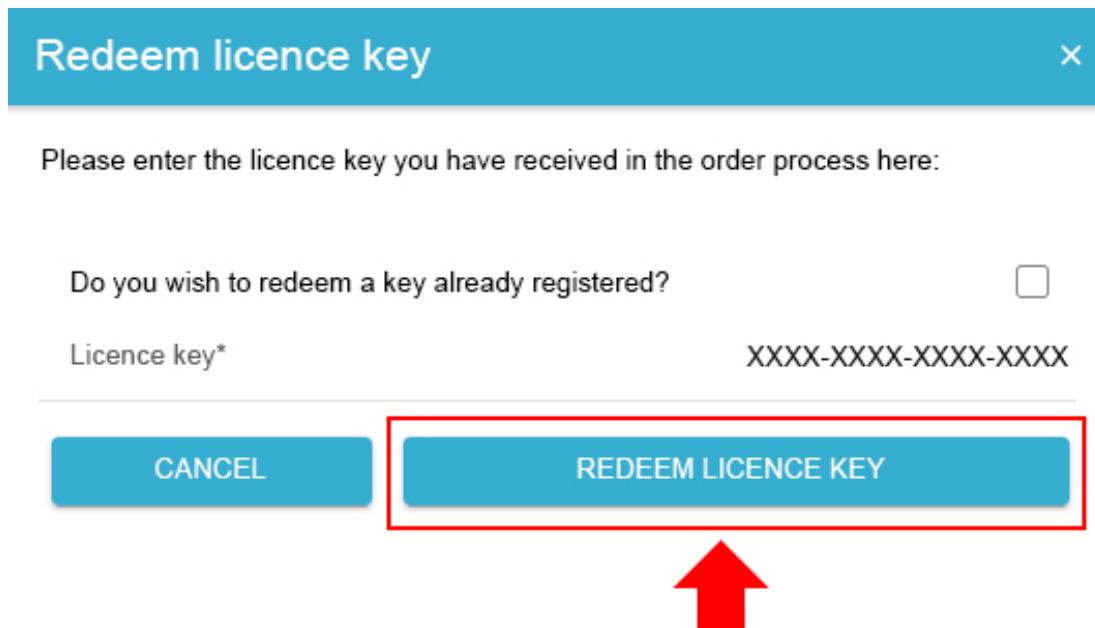
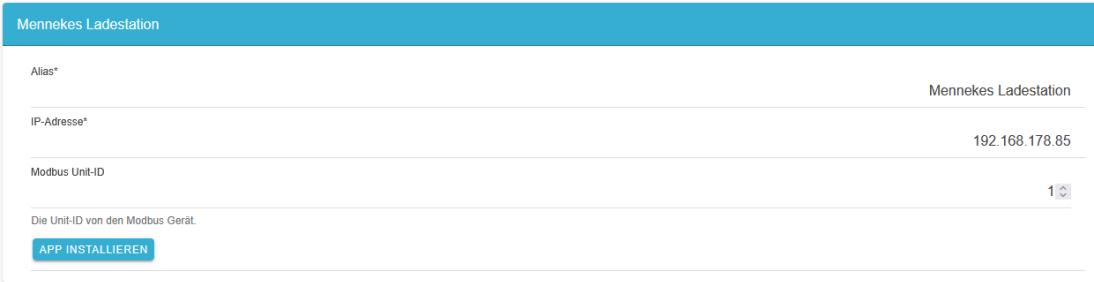


Figure 12. Redeeming a new license key: Step 6

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



Mennekes Ladestation	
Alias*	Mennekes Ladestation
IP-Adresse*	192.168.178.85
Modbus Unit-ID	1
Die Unit-ID von den Modbus Gerät.	
APP INSTALLIEREN	

Figure 13. 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).



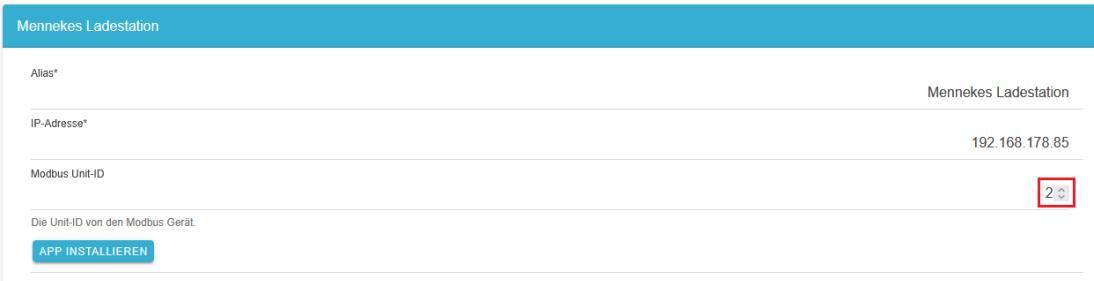
Mandatory fields are marked with *



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

Bitte geben Sie die IP-Adresse und die zuvor eingestellte Bus-ID an.

Wählen Sie über die Pfeiltasten ▲ ▼ die richtige Bus-ID aus.



Mennekes Ladestation	
Alias*	Mennekes Ladestation
IP-Adresse*	192.168.178.85
Modbus Unit-ID	2
Die Unit-ID von den Modbus Gerät.	
APP INSTALLIEREN	

Figure 14. App installation — Variant 2: Step 8

Then click on "Install app".



Mennekes Ladestation	
Alias*	Mennekes Ladestation
IP-Adresse*	192.168.178.85
Modbus Unit-ID	1
Die Unit-ID von den Modbus Gerät.	
APP INSTALLIEREN	

Figure 15. 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.

4.2. Edit FEMS app



Apps that have already been installed can be subsequently edited to change configuration settings. To do this, select the respective app in the FEMS App Center overview and click on the "Edit app" button. Detailed instructions are found in the user manual [FEMS App Center](#).

Die FEMS App MENNEKES AMTRON Professional lesend wurde erfolgreich installiert.

5. Contact

For support, please contact:

FENECON GmbH

Gewerbepark 6

94547 Iggensbach

Telefon — Service: 0991-648800-33

E-Mail — Service: service@fenecon.de

6. Verzeichnisse

6. Verzeichnisse

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