



Installations- und Konfigurationsanleitung — MENNEKES AMTRON Charge Control

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 Charge Control Ladestation
- Betriebs- und Installationsanleitung — Mennekes AMTRON Charge Control 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 Charge Control lesend



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

3. Commissioning

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

[Installation manual — MENNEKES AMTRON Charge Control](#)



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

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

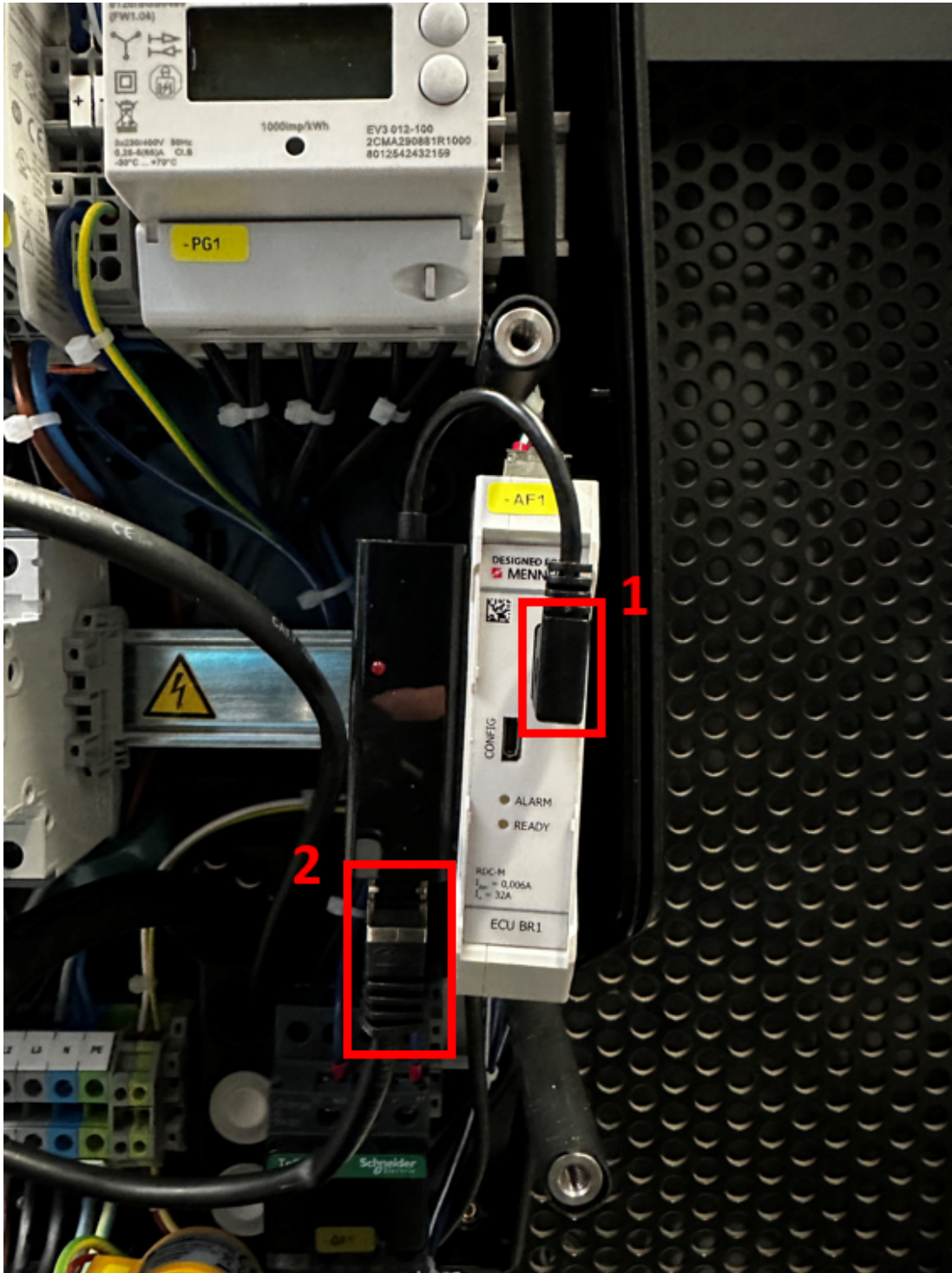


Figure 1. Retrofit kit for Ethernet connection

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 access the wallbox via its IP address for testing purposes, your computer must be in the same network. Open an internet browser and enter the IP address identified.

Example: <http://123.123.123.123>

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

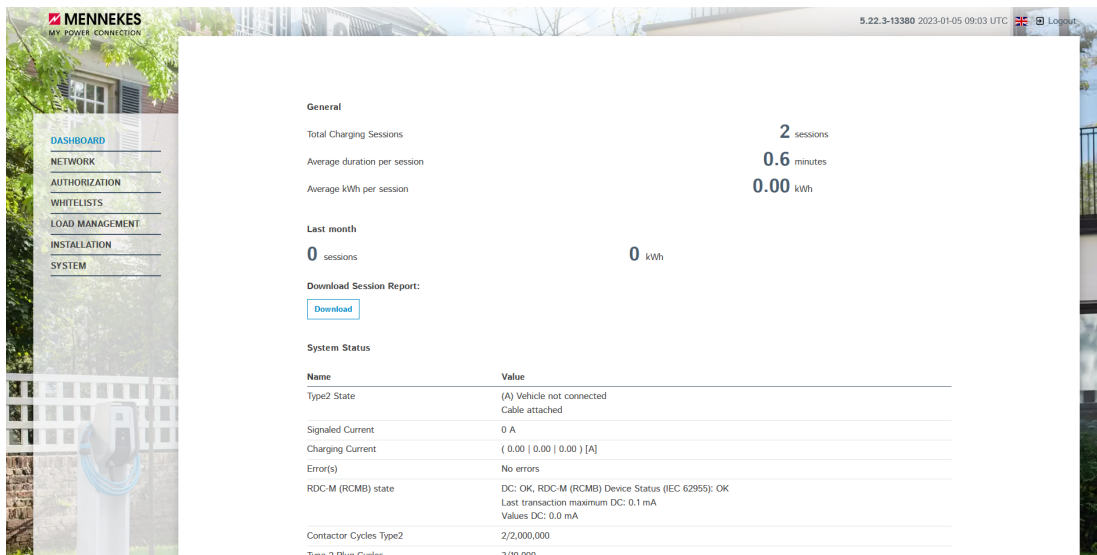


Figure 2. MENNEKES web interface

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

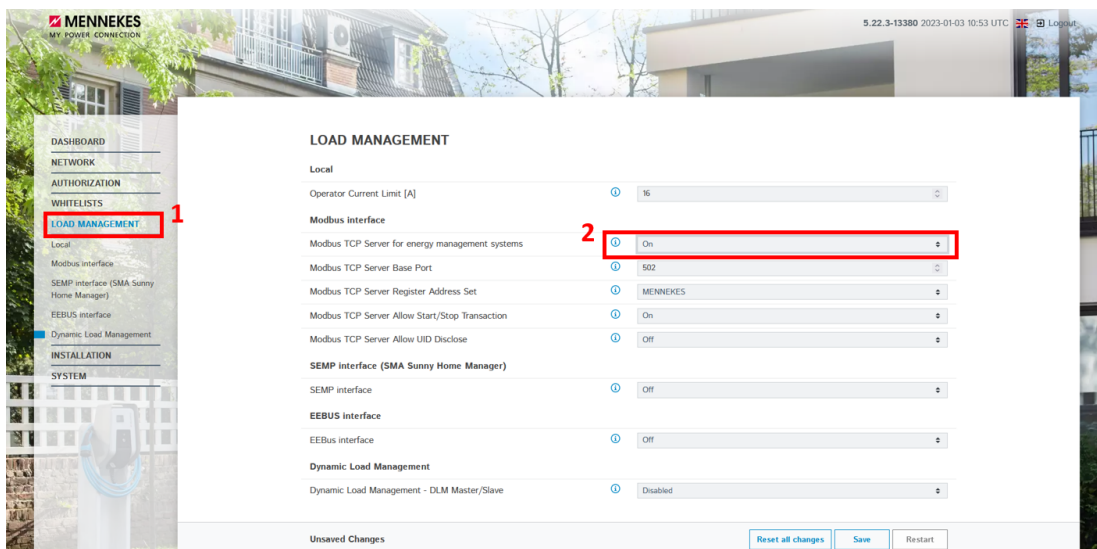


Figure 3. Load management

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.

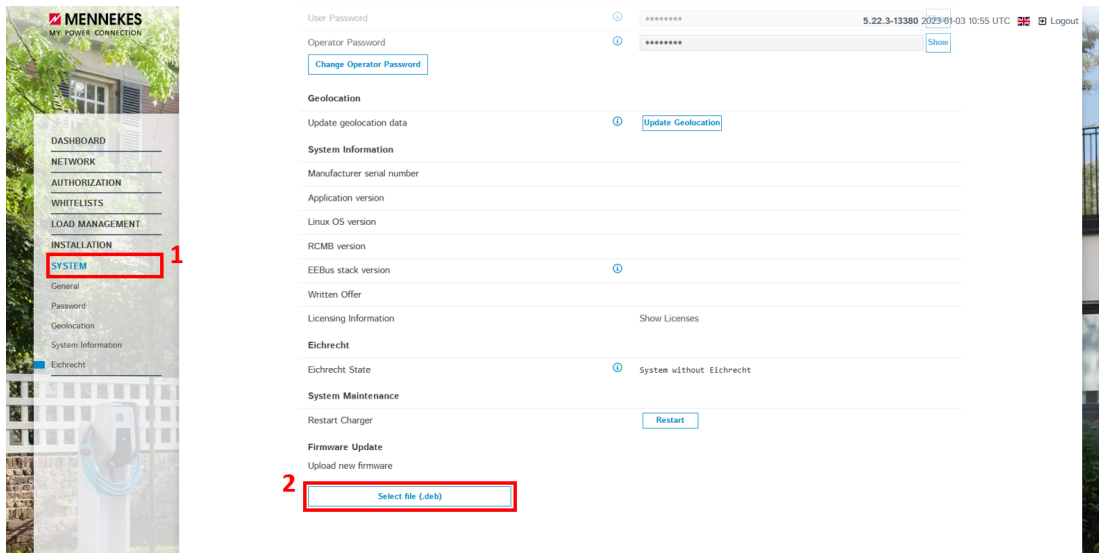


Figure 4. Firmware update

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 Charge Control lesend

4. Install FEMS App MENNEKES AMTRON Charge Control lesend

In the FEMS App Center you will find all installable FEMS Apps — such as the FEMS App MENNEKES AMTRON Charge Control 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 Charge Control lesend directly, go to the overview of the FEMS App Center.



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

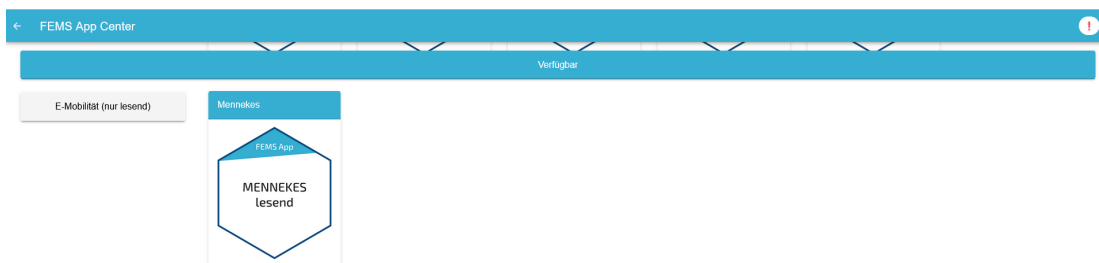


Figure 5. App installation — Variant 2: Step 1

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

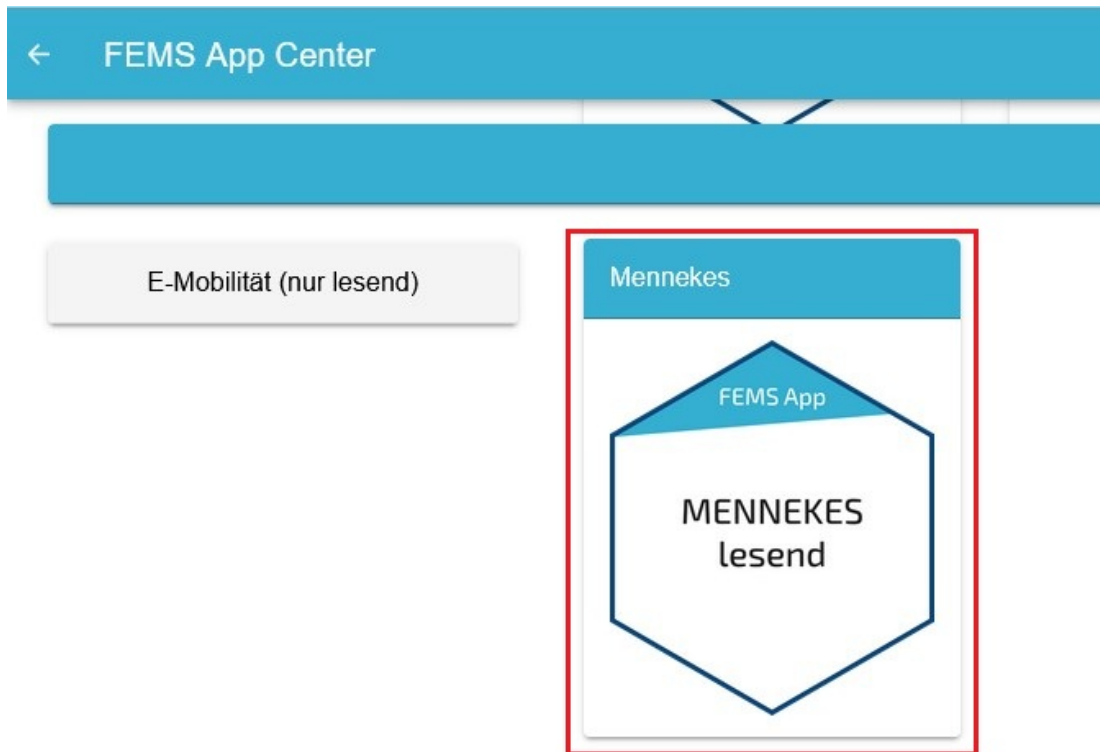


Figure 6. App installation — Variant 2: Step 2

You will then be taken to the app overview.

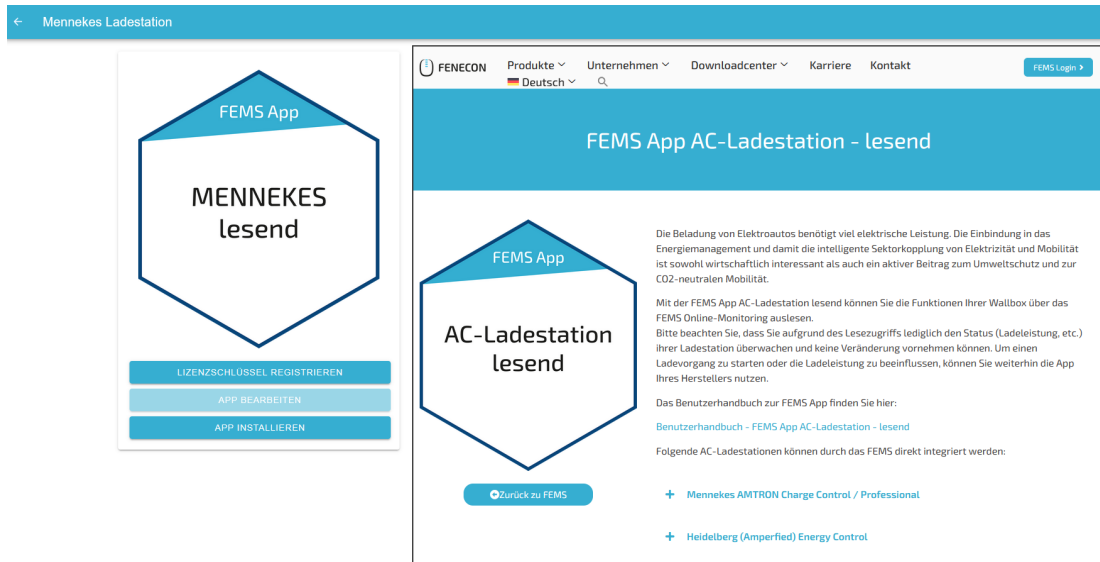


Figure 7. App installation — Variant 2: Step 3

Click on the "Install app" button.



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.

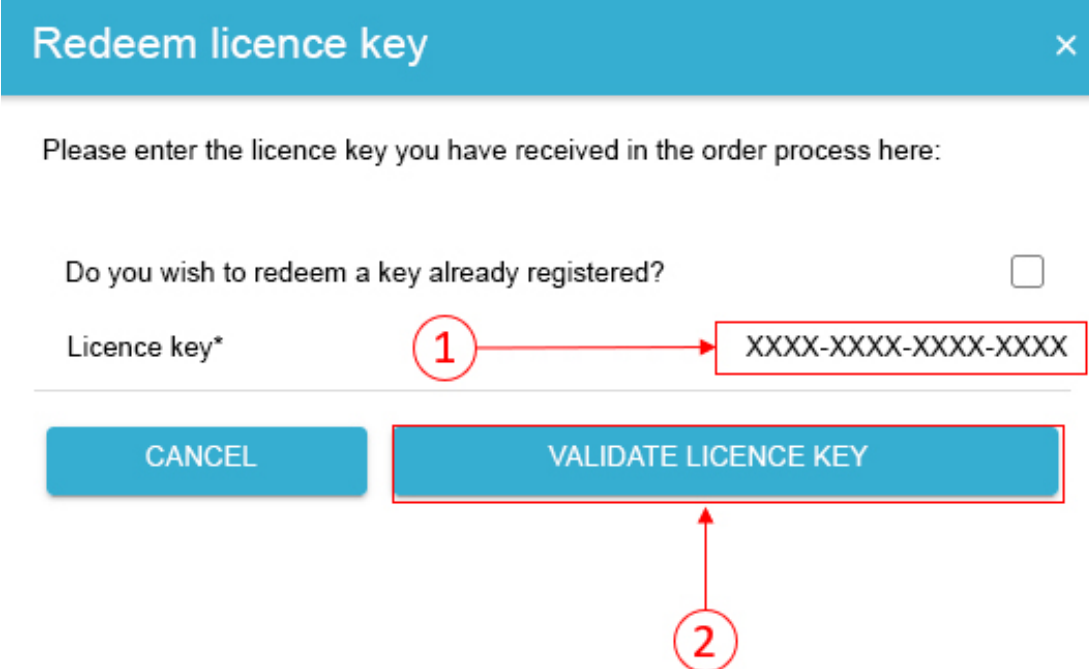


Figure 11. App installation — Variant 2: Step 5b

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.

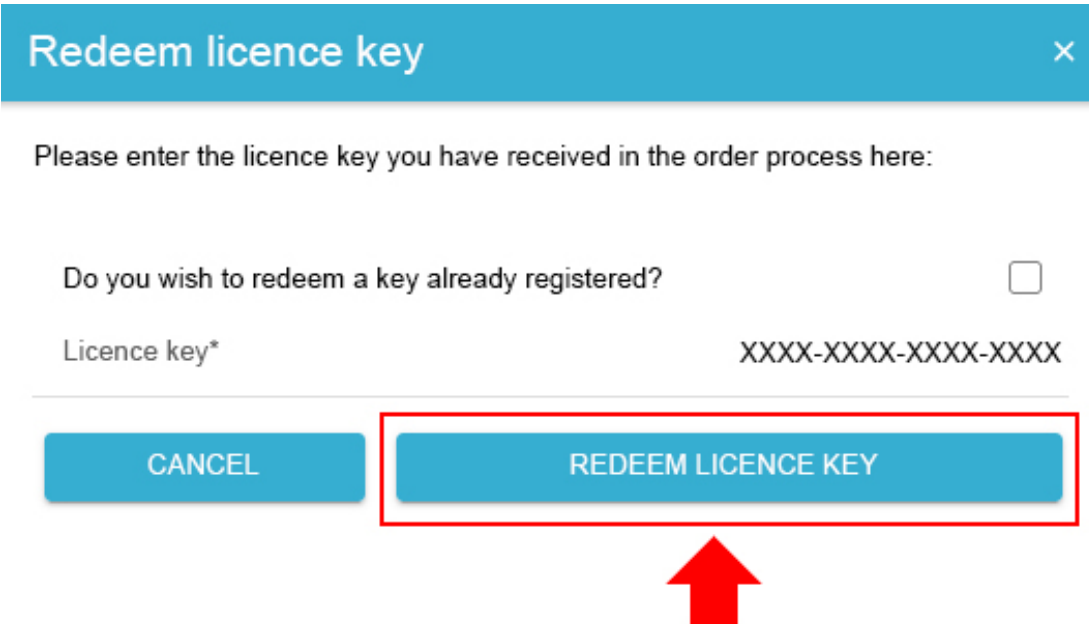


Figure 12. Redeeming a new license key: Step 6

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

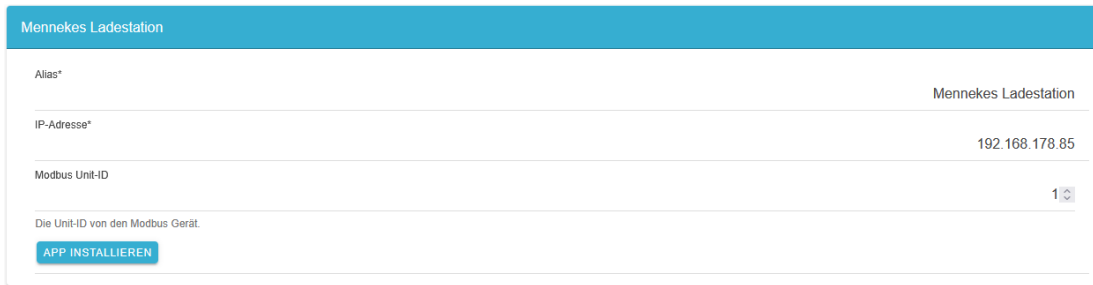


Figure 13. App installation — Variant 2: Step 7

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.

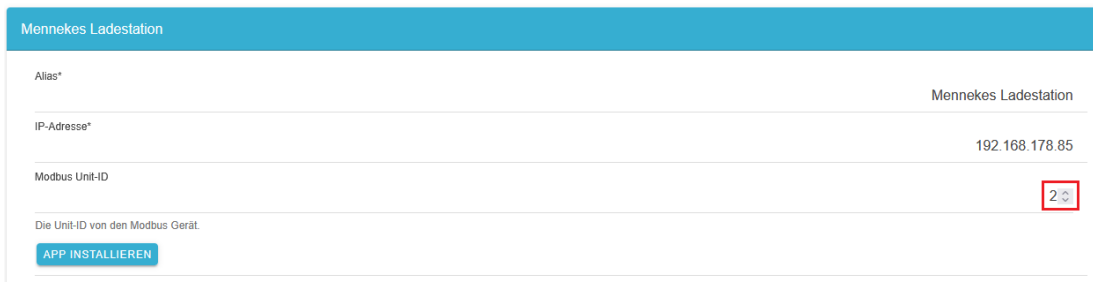


Figure 14. App installation — Variant 2: Step 8

Then click on "Install app".

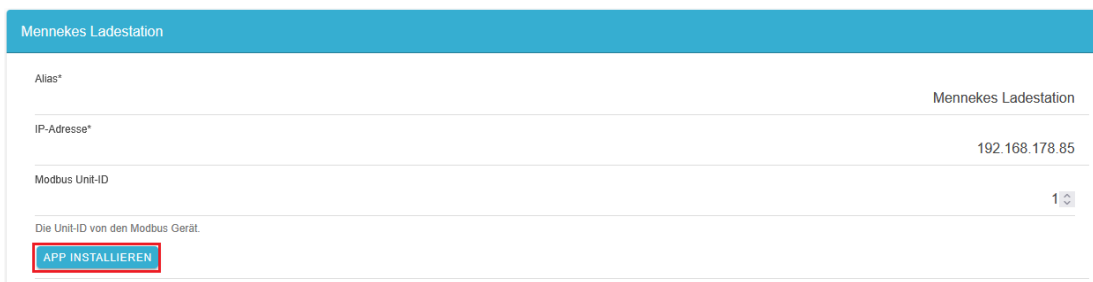


Figure 15. App installation — Variant 2: Step 9

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

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 Charge Control 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

6.1. Abbildungsverzeichnis

Figure 1. Retrofit kit for Ethernet connection

Figure 2. MENNEKES web interface

Figure 3. Load management

Figure 4. Firmware update

Figure 5. App installation — Variant 2: Step 1

Figure 6. App installation — Variant 2: Step 2

Figure 7. App installation — Variant 2: Step 3

Figure 8. App installation — Variant 2: Step 4

Figure 9. App installation — Variant 2: Step 5

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

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

Figure 12. Redeeming a new license key: Step 6

Figure 13. App installation — Variant 2: Step 7

Figure 14. App installation — Variant 2: Step 8

Figure 15. App installation — Variant 2: Step 9