



Installation and Configuration Manual — KEBA KeContact P40 [Vorläufige Installationsanleitung]

Version:2025.2.1

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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

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. Symbol conventions

	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. Symbol conventions

2. Product description

2.1. Scope of delivery

After you have received the delivery, check that all components have been included. Check the scope of delivery for damage. If anything is missing or damaged, please contact the supplier immediately. The following components are included in the delivery:

- KEBA KeContact P40 charging station

2.2. Prerequisites

The following is required to use the charging station:

- FEMS App KEBA KeContact P40



The "FEMS App KEBA KeContact P40" is not included in the scope of delivery. This must be purchased separately if not already available.

The FEMS App KEBA KeContact P40 communicates with the FENECON Energy Management System via Modbus TCP/IP.



Please note that KEBA GmbH will not activate the Modbus TCP protocol until the software release specified below.

Compatibility with Heckert Solar energy management system

KEBA KeContact P40 charging station

Requires software version 1.2.0.

In order to offer you the best solutions for a successful energy transition, both FENECON and the charging station manufacturers are continuously working on the further development of their systems. This includes regular updates that bring new functions, improved setting options or adaptations to legal requirements.

Thank you for your understanding and your trust in our innovative energy solutions.



On the [KEBA Downloads & Updates eMobility website](#) you will find all software updates for the KEBA KeContact P40.

3. Commissioning

3. Commissioning



To install the KEBA charging station, please follow the instructions in the "KeContact P40 / P40 Pro Charging Station Installation Manual".

[Installation manual — KEBA KeContact P40 / P40 Pro](#)



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.

Install the KEBA KeContact P40 charging station according to the KEBA GmbH installation instructions.



Please note that the location conditions of the KEBA GmbH apply.

Follow the instructions for the power supply for the KEBA KeContact P40 charging station.

3.1. Ethernet connection

The KEBA KeContact P40 series is connected to the FENECON Energy Management System via the LAN network interface (RJ45). Please follow the steps below.

Connect the RJ45 plug to the LAN network connection X3 provided on the KEBA KeContact P40.

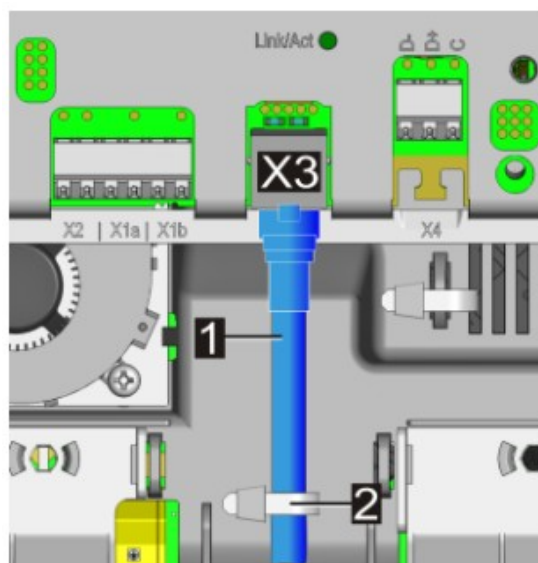


Figure 1. Connection overview KEBA KeContact P40

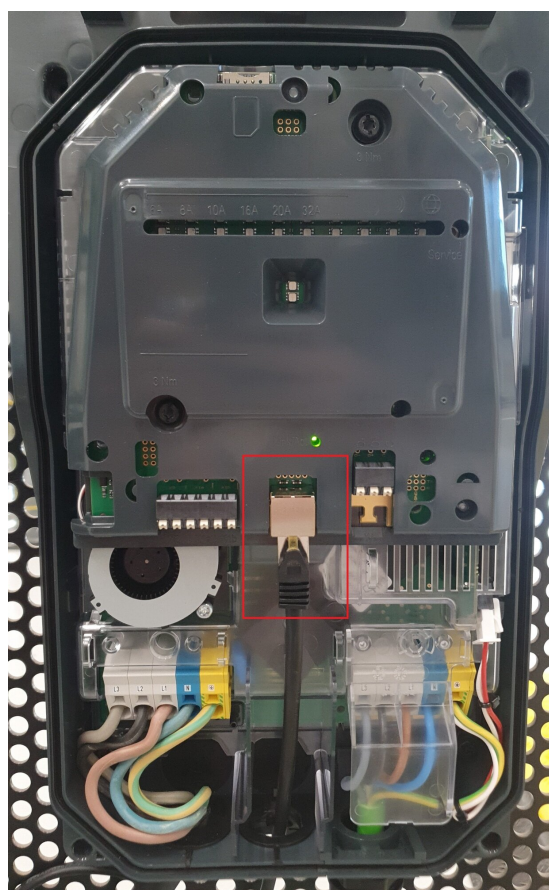


Figure 2. Example of a network connection

3.2. Setting a fixed IP address



In a network, IP addresses are typically assigned automatically via DHCP. In many cases, this is done by the internet router. The IP addresses are automatically replaced after a few weeks/months. This then leads to a communication failure between the FEMS and the charging station. IP addresses can be assigned to prevent this.

3.2. Setting a fixed IP address



We recommend setting up a static IP address for use cases with only one KEBA KeContact P40.



Please make a note of the assigned IP address. The IP address is required below to set up the FEMS App KEBA KeContact P40.

3.3. Assigning an IP address via DHCP

After connection to the customer network, the KEBA KeContact P40 is assigned an IP address using DHCP. This IP address can be determined in the DHCP server, e. g. the router.



Please make a note of the assigned IP address. The IP address is required below to set up the FEMS App KEBA KeContact P40.

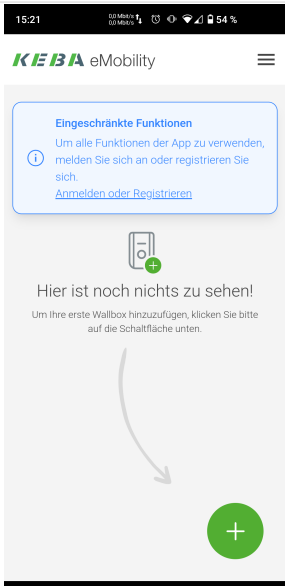


The IP address of your KEBA KeContact P40 can be read out via the *KEBA eMobility App* (version 1.2) or in the device overview of your router.

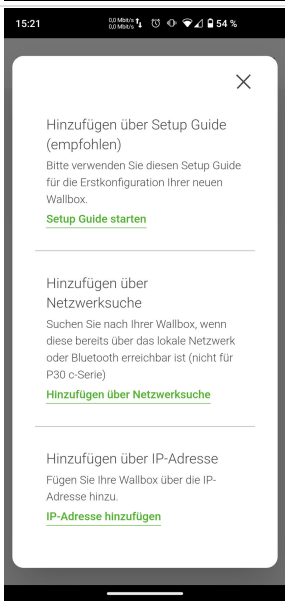
4. Configuration



The KEBA KeContact P40 series can currently only be set up using the *KEBA eMobility App*. Please download the *KEBA eMobility App* from the AppStore or Google PlayStore.



1. Open the *KEBA eMobility App*.
2. Click on the green "+" button to set up a new KEBA KeContact P40.



3. There are three ways to establish a connection with the new KEBA KeContact P40 via the *KEBA eMobility App*. The setup via *Add via Setup Guide* is described below.

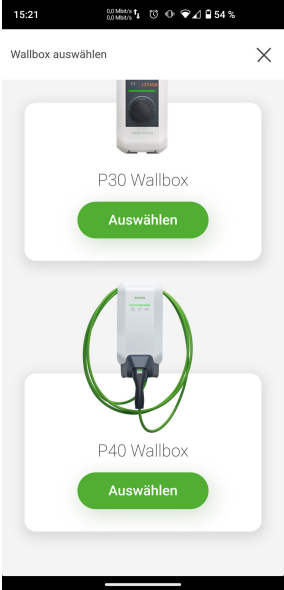
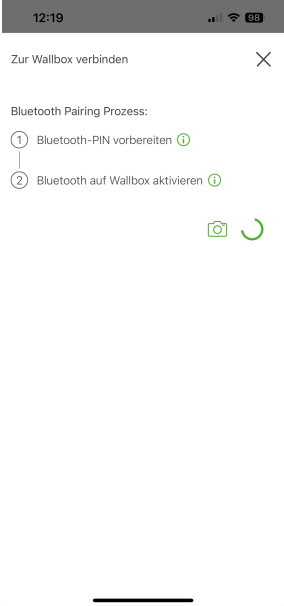
	4. Select the desired KEBA KeContact series - here: KEBA KeContact P40.
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Table 2. Home page of the KEBA eMobility App



Please make sure that you have activated Bluetooth on your smartphone. Stay in close proximity during the entire pairing process.

	5. The Bluetooth pairing process then starts automatically.
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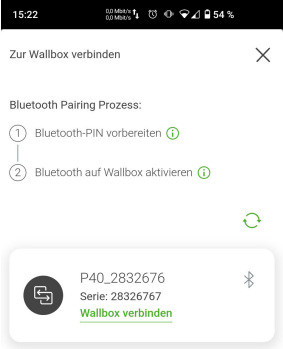
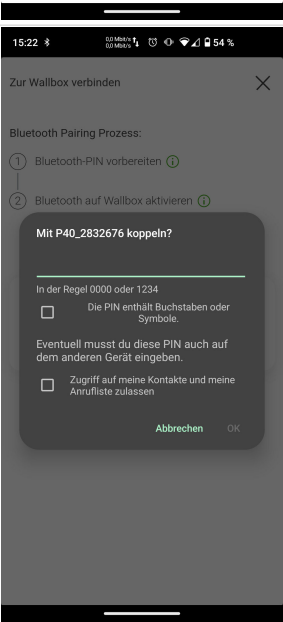
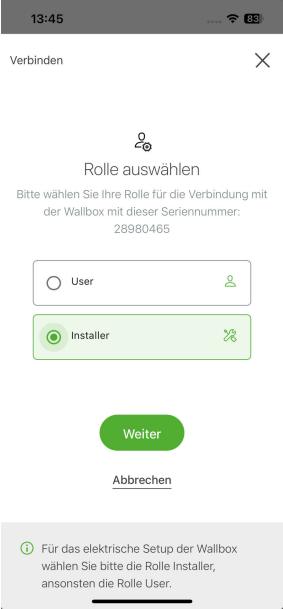
	6. You may see different KEBA KeContact P40 in the environment. Determine your KEBA KeContact P40 using the serial number. Click on <i>Connect wallbox</i>.
	7. Confirm "Pair with P40_serial number?". 8. Enter the PIN (see back of KEBA KeContact P40 instructions).

Table 3. Example of a network connection

	9. Under "Select role", choose "Installer". 10. Click on "Next".
---	--

4. Configuration

	11. You will then be asked to enter the serial number and the installer PIN (see back of KEBA KeContact P40 instructions).
15:31 52 % Verbindung Bevorzugte Verbindung auswählen LAN WLAN Wallbox WLAN-Hotspot Für Basisfunktionen Mit Bluetooth fortfahren Um mit Ihrer Wallbox zu kommunizieren, stellen Sie bitte sicher, dass Ihr LAN / WLAN oder der Wallbox WLAN Hotspot aktiv ist. Wallbox koppeln	12. Please select a preferred connection. 13. Click on "Pair wallbox".

Table 4. Setup for installer account

14:32 51 % < zurück Installer-Einstellungen Zum Ändern der Installer-Einstellungen, bitte: 1 Über Bluetooth verbinden 2 Service-Button 6 Sek. drücken Installer-Mode aktiv: 00:29:26 Installer-Mode stoppen Max. HW Strom 16 Maximaler Strom (in A), welcher der Wallbox zur Verfügung steht. Nennspannung 230 Spannung (in V) des Netzes mit dem die Ladestation verbunden ist. Phasenrotation L1_L2_L3	14. After a successful connection, the KEBA KeContact P40 must be restarted. To do this, press and hold the service button for 6 seconds.
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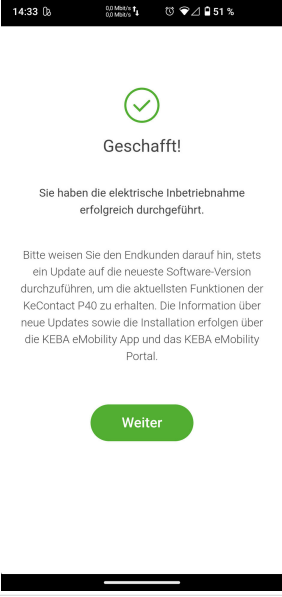
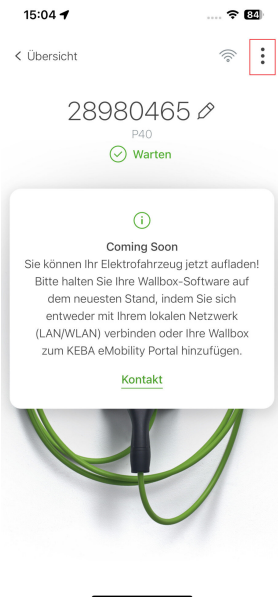
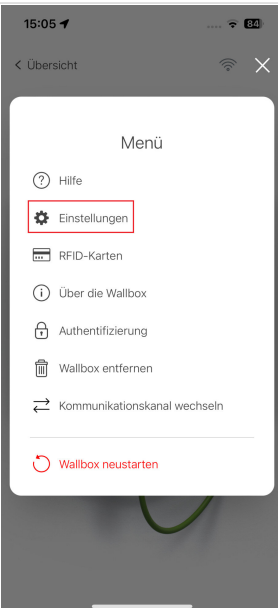
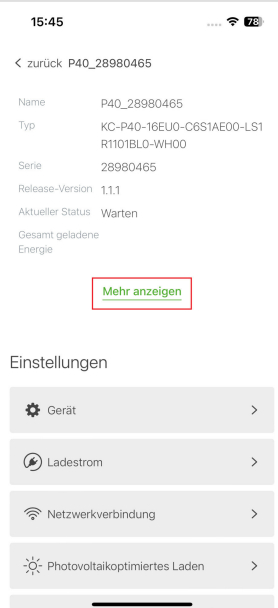
	15. Then, enter the following ... ◦ for <i>Max. HW current</i>, indicate the maximum current in Ampere. ◦ for <i>Nominal voltage</i>, enter the voltage of the grid to which the charging station is connected. ◦ for <i>phase rotation</i>, indicate the sequence of the phases (or supply lines). ◦ for <i>Max. Asym. current</i>, indicate the maximum current in Ampere for asymmetrical charging.
	16. Then click on "Save" in the top right-hand corner.
	17. You've done it! You have successfully completed the electrical commissioning.

Table 5. Configuration of the KEBA KeContact P40

	18. Click on the ☰ button on the overview page.
	19. Select the "Settings" tab.
	20. Click on the "Show more" button on the settings page.

14:08 < zurück P40_28306189 Name P40_28306189 Typ KC-P40-16EU0-C6S1AEP0-LS 1R1111BLO-WH00 Serie 28306189 Release-Version 1.0.6 Aktueller Status Verfügbar IP-Adresse LAN WLAN - Mobil - MAC-Adresse LAN 00:60:b5:57:ac:a1 WLAN 5e:6e:04:62:c7:da Mobil ac:0c:29:a3:9b:6d Weniger anzeigen Einstellungen	21. The IP address (here: LAN) is then displayed.
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Table 6. Read out IP address via the *KEBA eMobility App*



Please make a note of the assigned IP address. The IP address is required below to set up the FEMS App KEBA KeContact P40.

The FEMS App KEBA KeContact P40 communicates with the FENECON Energy Management System via Modbus TCP/IP.



Please note that KEBA GmbH has only activated the Modbus TCP protocol with software version *1.2.0*. You must carry out a software update as described in section *Update the charging station firmware* — if your KEBA KeContact P40 has an earlier software version.



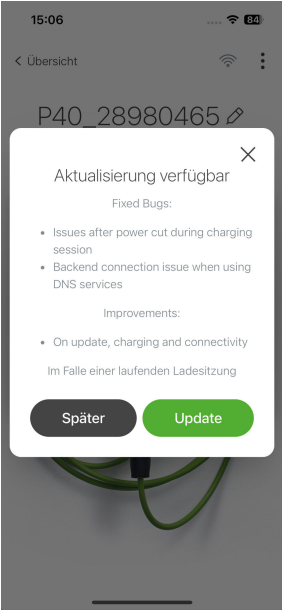
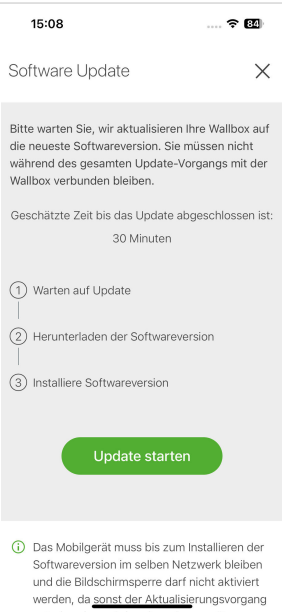
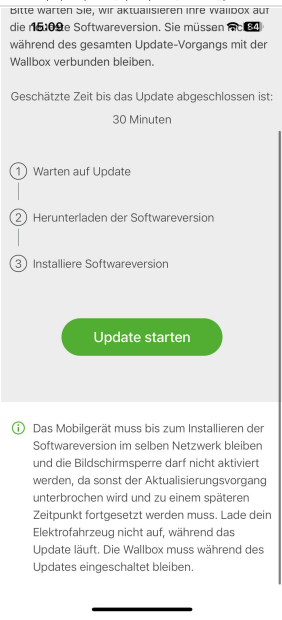
Please note that additional settings may be required to activate the Modbus TCP protocol for your KEBA KeContact P40. Check in the settings of your *KEBA eMobility App* whether the Modbus TCP protocol must be set to ON.

4.1. Updating the charging station firmware

To ensure that the latest functions of the charging station can be used, we recommend always using the latest firmware.

The latest software updates are automatically displayed when you open the *KEBA eMobility App*.

4.1. Updating the charging station firmware

	1. Click on "Update" in the <i>Update available</i> pop-up.
	2. Your KEBA KeContact P40 starts the software update.
	3. Please follow the instructions.

15:45 Software Update Bitte warten Sie, wir aktualisieren Ihre Wallbox auf die neueste Softwareversion. Sie müssen nicht während des gesamten Update-Vorgangs mit der Wallbox verbunden bleiben. Geschätzte Zeit bis das Update abgeschlossen ist: 30 Minuten 1 Warten auf Update 2 Herunterladen der Softwareversion 3 Installiere Softwareversion Aktualisierung fertigstellen 1 Das Mobilgerät muss bis zum Installieren der Softwareversion im selben Netzwerk bleiben und die Bildschirmsperre darf nicht aktiviert werden, da sonst der Aktualisierungsvorgang unterbrochen wird und zu einem erneuten <td> 4. After successful installation, click on "Finish update." 5. Your KEBA KeContact P40 will then be restarted. </td>	4. After successful installation, click on "Finish update." 5. Your KEBA KeContact P40 will then be restarted.
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Table 7. Software update of the KEBA KeContact P40

The configuration is now complete.

5. Install FEMS App KEBA KeContact P40

In the FEMS App Center you will find all installable FEMS Apps — such as the FEMS App KEBA KeContact P40.



In the user manual [FEMS App Center](#) you will find detailed instructions on how to use the FEMS App Center. It also describes how to register and redeem a license key.

There are two ways to install an app via the FEMS App Center. Only the [\[Direct installation\]](#) is described below, whereby a license key is registered and redeemed in the EMS.

5.1. Direct Installation

To install the FEMS App KEBA KeContact P40 directly, go to the overview of the FEMS App Center.



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

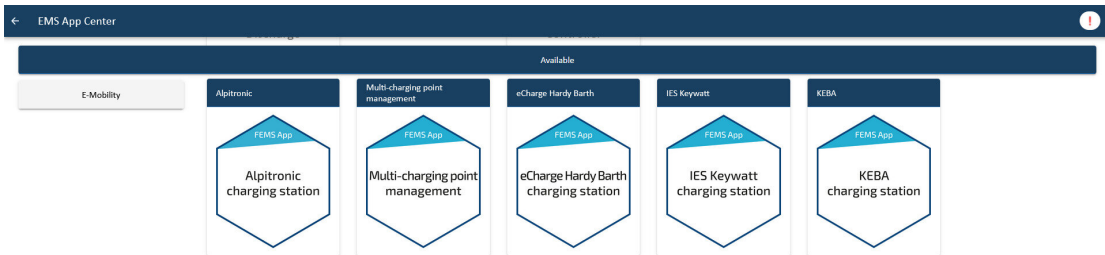


Figure 3. App installation — Variant 2: Step 1

Select the FEMS App KEBA KeContact P40 by clicking on it.

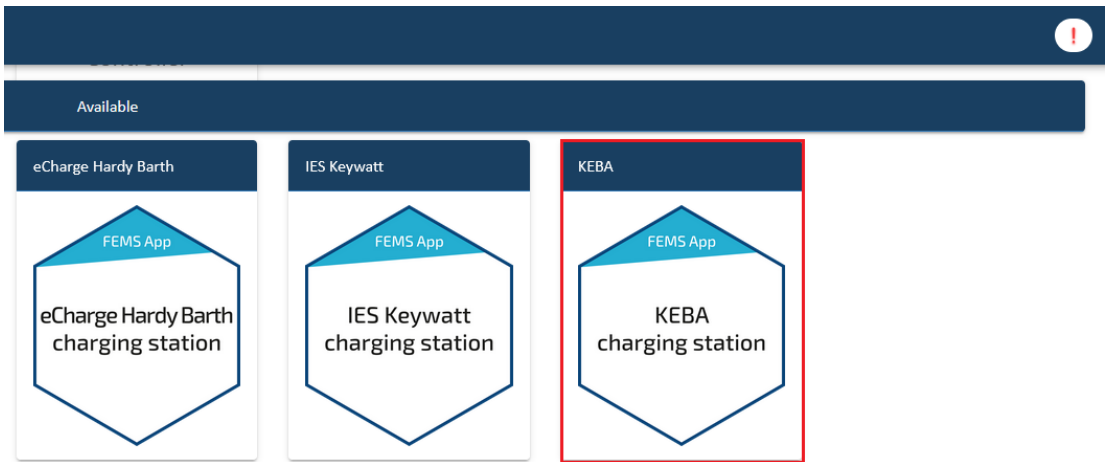


Figure 4. App installation — Variant 2: Step 2

You will then be taken to the app overview.

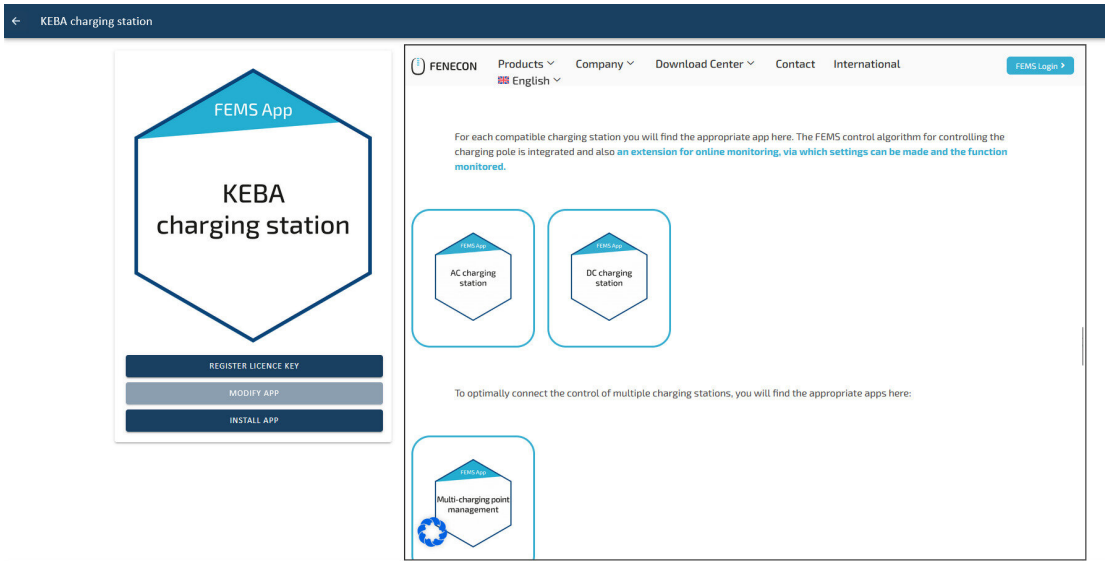


Figure 5. App installation — Variant 2: Step 3

Click on the "Install app" button.

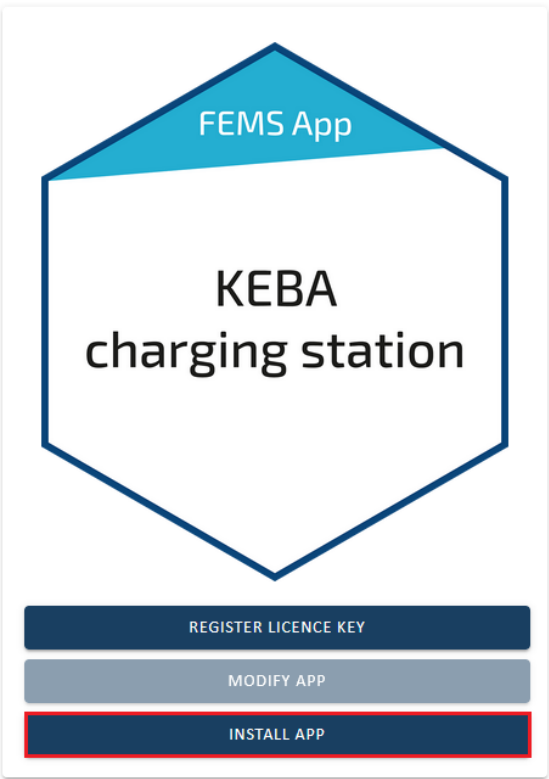


Figure 6. App installation — Variant 2: Step 4

An input mask for redeeming a license key appears.

Lizenzschlüssel einlösen

Geben Sie hier den Lizenzschlüssel ein, den Sie mit der Bestellung der App erhalten haben

Bereits registrierten Lizenzschlüssel einlösen?

☒

Registrierte Lizenzschlüssel*

XXXX-XXXX-XXXX-XXXX ▼

Lizenzschlüssel*

XXXX-XXXX-XXXX-XXXX

ABBRECHEN

LIZENZSCHLÜSSEL EINLÖSEN

Figure 7. App installation — Variant 2: Step 5

You have two options here.

5.1.1. 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).

Lizenzschlüssel einlösen

Geben Sie hier den Lizenzschlüssel ein, den Sie mit der Bestellung der App erhalten haben

Bereits registrierten Lizenzschlüssel einlösen?

☒

Registrierte Lizenzschlüssel*

1 → XXXX-XXXX-XXXX-XXXX ▼

Lizenzschlüssel*

XXXX-XXXX-XXXX-XXXX

ABBRECHEN

2 ↑ LIZENZSCHLÜSSEL EINLÖSEN

Figure 8. App installation — Variant 2: Step 5a

5.1.2. 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.

Lizenzschlüssel einlösen

Geben Sie hier den Lizenzschlüssel ein, den Sie mit der Bestellung der App erhalten haben

Bereits registrierten Lizenzschlüssel einlösen?

Registrierte Lizenzschlüssel*

XXXX-XXXX-XXXX-XXXX

Lizenzschlüssel*

XXXX-XXXX-XXXX-XXXX

ABBRECHEN

LIZENZSCHLÜSSEL VALIDIEREN

Figure 9. 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.

Lizenzschlüssel einlösen

Geben Sie hier den Lizenzschlüssel ein, den Sie mit der Bestellung der App erhalten haben

Bereits registrierten Lizenzschlüssel einlösen?

Registrierte Lizenzschlüssel*

XXXX-XXXX-XXXX-XXXX

Lizenzschlüssel*

XXXX-XXXX-XXXX-XXXX

ABBRECHEN

LIZENZSCHLÜSSEL EINLÖSEN

Figure 10. Redeeming a new license key: Step 6

You will then be taken to the installation wizard for FEMS App KEBA KeContact P40.



Please select the correct series for your KEBA KeContact under Product series.

KEBA charging station

Alias*

KEBA charging station

Product Line

P30 ▾

IP-Address*

192.168.25.11

Phase rotation

L1_L2_L3 ▾

INSTALL APP

Figure 11. App installation — Variant 2: Step 7

Please select "P40" under *product range* if you have a KEBA KeContact P40.

← KEBA charging station

KEBA charging station

Alias*

KEBA charging station

Product Line

☐ P30

☒ P40

CANCEL

OK

Figure 12. App installation — Selecting the KEBA KeContact P40

Confirm your selection by clicking the "OK" button.

The installation wizard for the KEBA KeContact P40 will then be displayed.

KEBA charging station

Alias*

KEBA charging station

Product Line

P40 ▾

IP-Address*

192.168.25.11

Phase rotation

L1_L2_L3 ▾

Modbus Unit-ID*

255 ↕

The Unit-ID of the Modbus device.

INSTALL APP

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!

In the next step, you can set a phase rotation.



Please note that phase rotation is only included from FEMS release 2024.11.2 or later.

The phase connection L1_L2_L3 is selected as standard.

KEBA charging station

Alias* KEBA charging station

Product Line P40 ▼

IP-Address* 192.168.25.11

Phase rotation L1_L2_L3 ▼

Modbus Unit-ID* 255

The Unit-ID of the Modbus device.

INSTALL APP

Figure 14. App installation — Phase rotation: Step 1

If your phase connection differs from this, you can select a different phase connection using the drop-down button.

eCharge Hardy Barth charging station

Number of charging points 1 ▼

Alias* eCharge Hardy Barth charging station

IP-Address* 192.168.25.30

Phase rotation L1_L2_L3 ▼

INSTALL APP

Phase rotation

☒ L1_L2_L3

☐ L2_L3_L1

☐ L3_L1_L2

CANCEL OK

Figure 15. App installation — Phase rotation 2: Step 2

5.2. Edit EMS app

Confirm with "OK".

Then click on "Install app".

KEBA charging station

Alias*

KEBA charging station

Product Line

P40 ▾

IP-Address*

192.168.25.11

Phase rotation

L1_L2_L3 ▾

Modbus Unit-ID*

255 ↻

The Unit-ID of the Modbus device.

INSTALL APP

Figure 16. App installation — Variant 2: Step 8

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

5.2. Edit EMS 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](#).

The FEMS App KEBA KeContact P40 has been successfully installed.

6. Contact

For support, please contact:

Symphon-E Service

Telephone service: +49 (0) 371 45 85 68 - 100

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

7. Directories

7.1. List of illustrations

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