



EMS App Center

Version:2026.1.1

Table of Contents

1. Range of functions	2
2. Updating the EMS	2
3. Starting point: EMS App Center	4
4. Licence key management and validity	4
5. Register licence key	5
6. Redeem licence key directly	6
7. Installing a EMS App	8
7.1. Installation after redeeming a licence key.....	8
7.2. Direct installation	10
8. Modifying a EMS App	14
9. Uninstalling a EMS App	15
10. Directories	18
10.1. List of illustrations	18

1. Range of functions

1. Range of functions

The **EMS App Center** offers the following functions within the FENECON Online Monitoring:

- Register licence keys for EMS Apps
- Redeeming licence keys for EMS Apps
- Installing EMS Apps
- Configure/edit installed EMS Apps
- Uninstall EMS Apps

2. Updating the EMS

To be able to use all EMS Apps extensively and in the latest version, carry out a system update to the latest version.

1. Open the  burger menu at the top left of FENECON Online Monitoring.

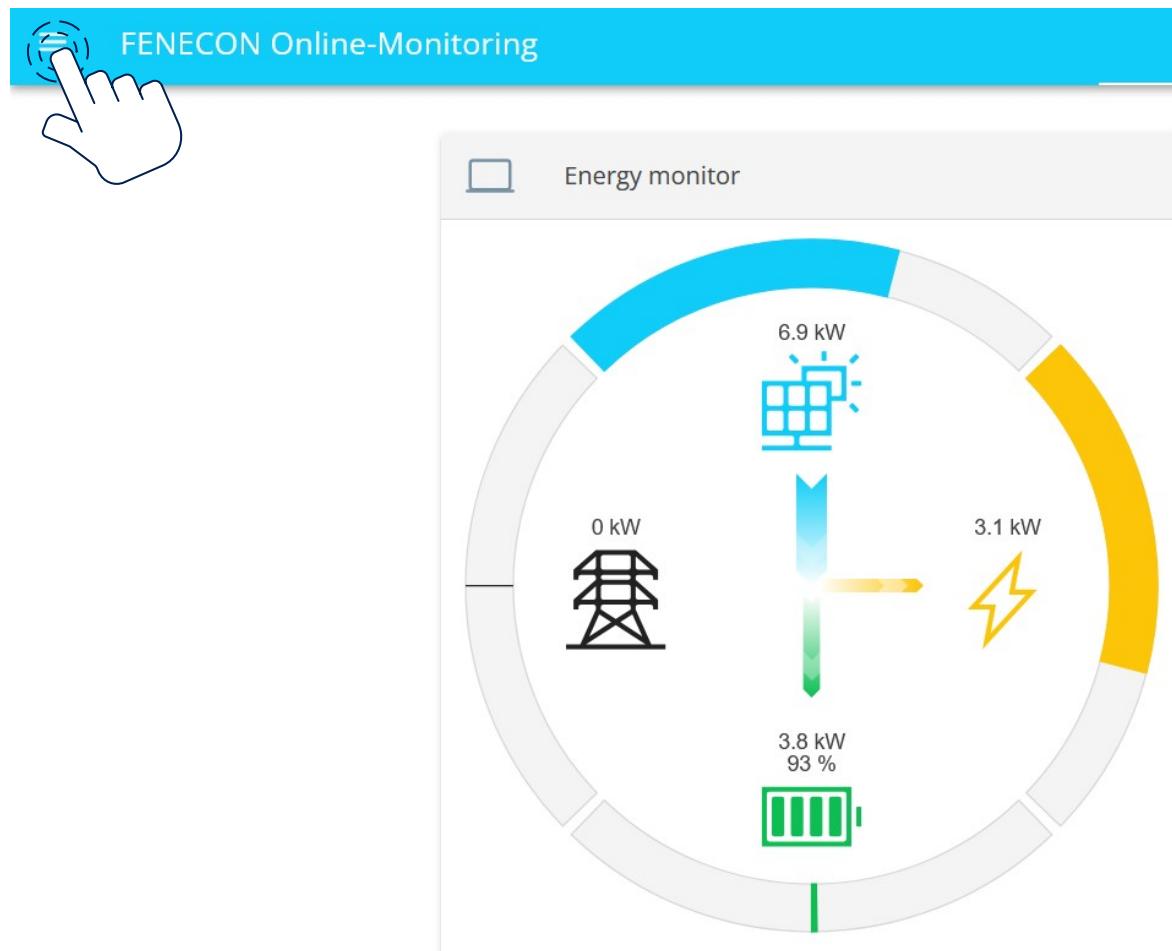


Figure 1. Burger to side menu — System update — Step 1

2. Select *Settings*.



Figure 2. Side menu — System update — Step 2

3. Select *EMS System*.

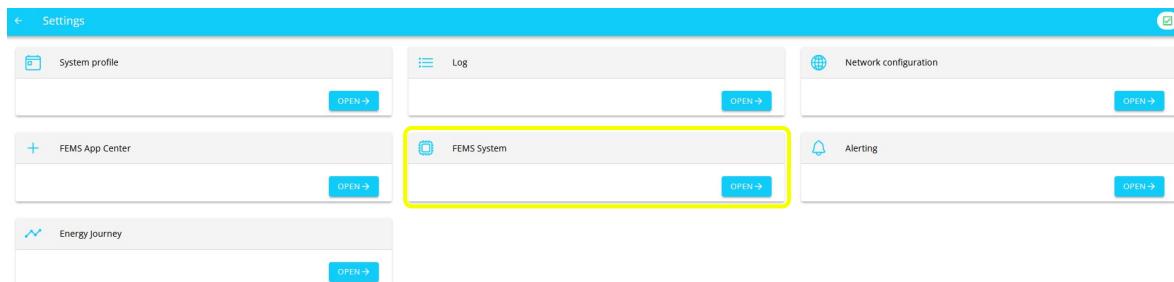


Figure 3. App Center — System update — Step 3

4. Click on *INSTALL LATEST VERSION* to update the system. If the latest version is already installed, you do not need to do anything else.

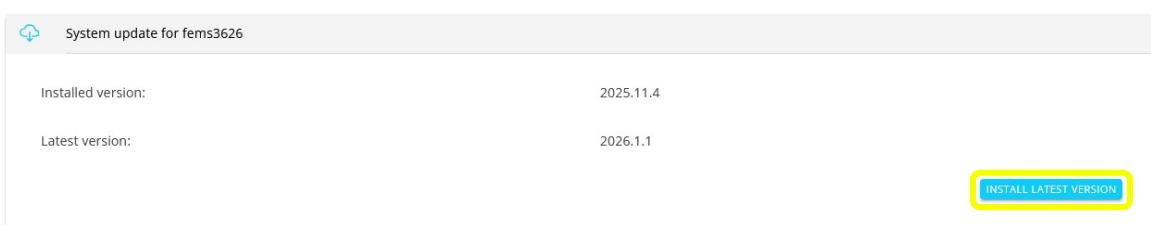


Figure 4. App Center — System update — Step 4



To return to the settings menu after the EMS system update:
Click on the arrow at the top left. This applies to all submenus in the **Settings** area.



Figure 5. Back to the Settings menu

3. Starting point: EMS App Center

3. Starting point: EMS App Center

1. After you have performed a system update, open the *EMS App Center*.
 - a. Alternatively, go to the *EMS App Center* via the  top left burger menu in the Heckert Solar Monitoring.

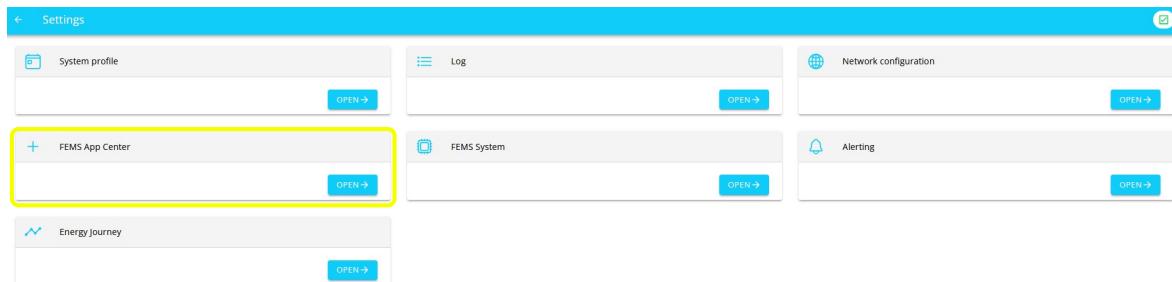


Figure 6. App Center — Step 1

2. You are now in the App Center. From here you can redeem and register licence keys for apps, install new apps and edit or subsequently configure apps that are already installed.

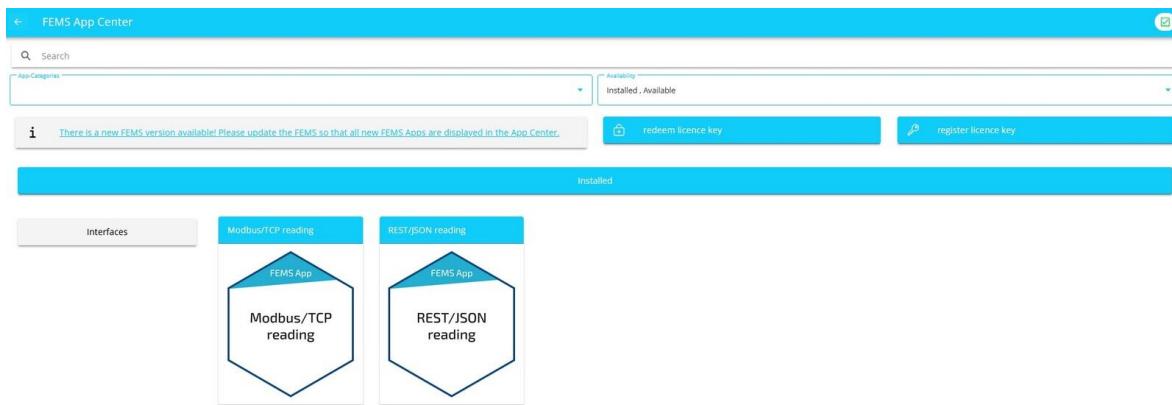


Figure 7. App Center — Step 2

4. Licence key management and validity

In principle, the licence keys can only be redeemed once after a successful purchase, but for an unlimited period of time.

There are essentially three levels of licence key management in the App Center:

1. **Validate:** Checks the validity of the licence key entered.
2. **Register:** Assigns the licence key to EMS.
3. **Redeem:** Uses the licence key for the installation.



We recommend registering licence keys in advance and redeeming them at a later date.

It is always advisable to register a license key in advance if the installation of the respective EMS App is going to take place later, e. g. because the customer network or the associated hardware (e. g. charging station, heat pump, PV inverter, etc.) has not yet been set up. If the license key is already registered, it only needs to be selected later during installation.

5. Register licence key

Click on the *Register licence key* button at the top right of the App Center.

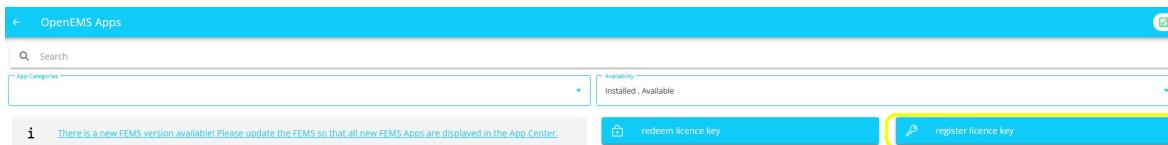


Figure 8. Register licence key — Step 1 — Key entry

A window for registering a licence key opens.

2. Enter the 16-digit key in the corresponding field and then click on *VALIDATE LICENCE KEY*:

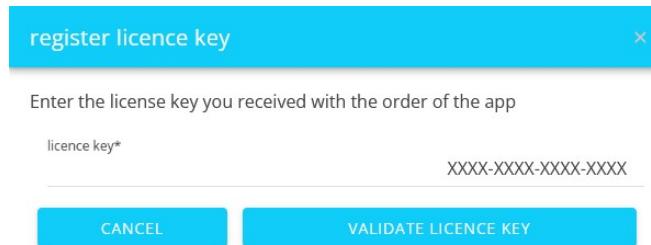


Figure 9. Register licence key — Step 2 — Validation

The entered licence key is then checked for validity.

If the licence key is valid, it can be registered by clicking on the button of the same name.

REGISTER LICENCE KEY.

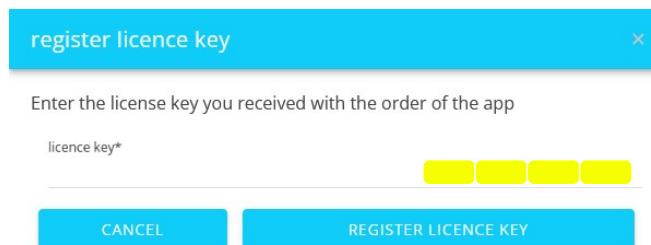


Figure 10. Register licence key — Step 3 — Registration



If the licence key is invalid, please check your entry and try again.

After successfully registering a licence key, the *REDEEM LICENCE KEY* button in the App Center changes as

6. Redeem licence key directly

follows:

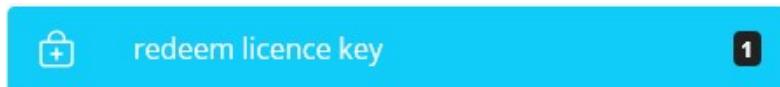


Figure 11. Register licence key — Step 4 — Registration successful

The **registration of the licence key** is now complete.

6. Redeem licence key directly

Click on the "Redeem licence key" button at the top right of the App Center.

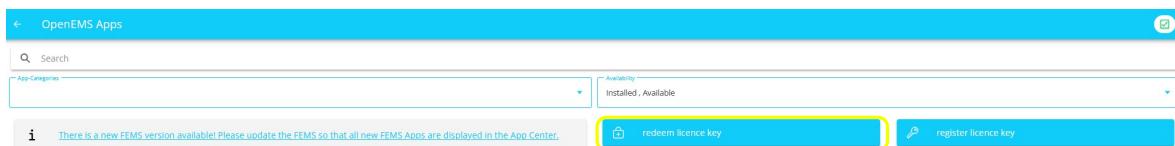


Figure 12. Redeem licence key directly — Step 1

A window for entering a licence key opens:

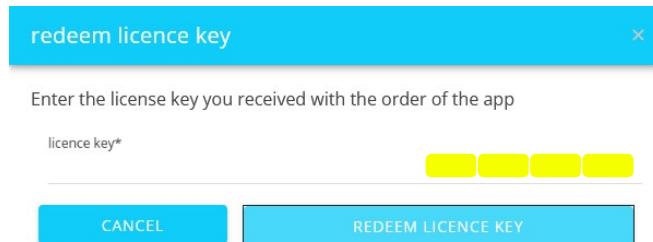


Figure 13. Redeem licence key directly — Step 2

You have two options here:

Redeem a new licence key directly

If you have not yet registered a licence key or wish to redeem a new licence key, enter the 16-digit key in the corresponding field and then click on *VALIDATE LICENCE KEY*.

The entered licence key is then checked for validity.

Figure 14. Redeem new licence key directly

If the licence key is valid, it can be registered by clicking on the button of the same name.

 **REDEEM LICENCE KEY**

If the licence key is invalid, please check your entry and try again.

Redeem an already registered licence key

In this case, the button in the App Center looks like this:



If you want to redeem an already registered licence key, check the corresponding box and select the appropriate, already registered licence key via ▼ drop-down menu.

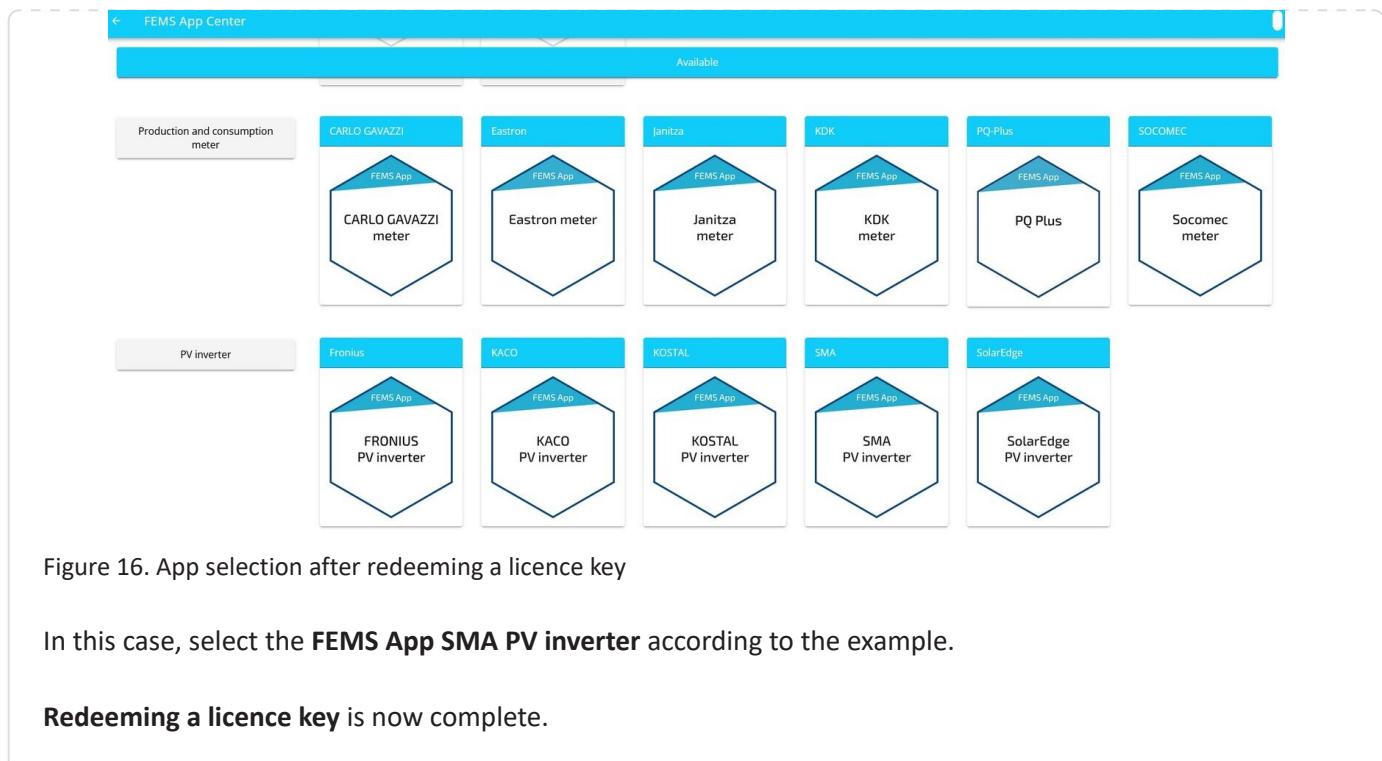
Figure 15. Redeem already registered licence key

Then click on the **REDEEM LICENCE KEY** button.

After the licence key has been redeemed, the respective apps that can be installed with the redeemed licence key are displayed in a selection.

In the example below, a licence key for the **FEMS App PV inverter** has been redeemed. This means that there are now five apps available to choose from, one of which can now be selected and installed.

7. Installing a EMS App



The screenshot shows the FEMS App Center interface. At the top, a blue header bar says 'Available'. Below it, there are two sections: 'Production and consumption meter' and 'PV inverter'. The 'Production and consumption meter' section contains tiles for CARLO GAVAZZI meter, Eastron meter, Janitza meter, KDK meter, PQ-Plus, and SOCOMEC meter. The 'PV inverter' section contains tiles for Fronius PV inverter, KACO PV inverter, KOSTAL PV inverter, SMA PV inverter, and SolarEdge PV inverter. Each tile has a blue hexagonal icon with 'FEMS App' written on it.

Figure 16. App selection after redeeming a licence key

In this case, select the **FEMS App SMA PV inverter** according to the example.

Redeeming a licence key is now complete.

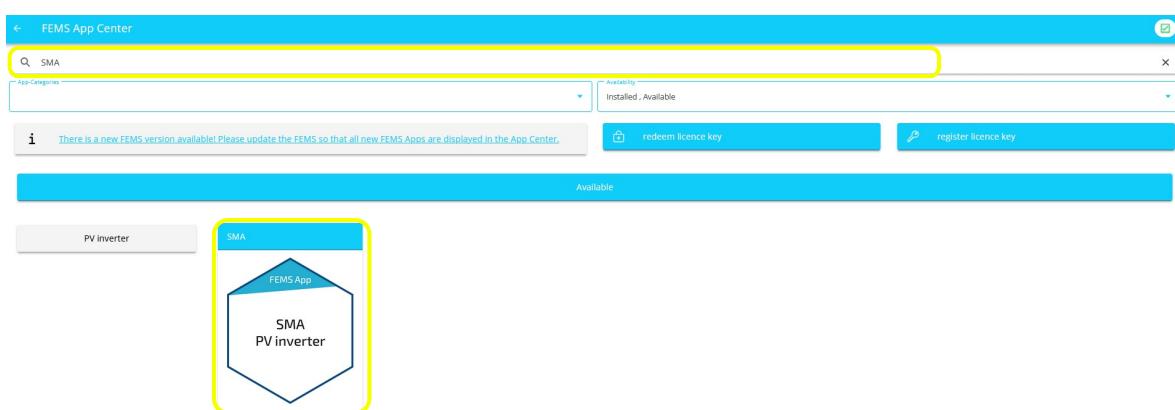
7. Installing a EMS App

There are two ways to install an EMS App via the App Center.

7.1. Installation after redeeming a licence key

After a licence key has been redeemed, a selection of available apps that can be installed is displayed.

The App Center offers a search bar and a filter option to get to the desired app more quickly:



The screenshot shows the FEMS App Center search interface. At the top, there is a search bar with 'SMA' typed into it, highlighted with a yellow box. Below the search bar are buttons for 'redeem licence key' and 'register licence key'. A message at the bottom left says 'There is a new FEMS version available! Please update the FEMS so that all new FEMS Apps are displayed in the App Center.' The main area shows a list of available apps under the 'PV Inverter' category. One app, 'SMA PV inverter', is highlighted with a yellow box.

Figure 17. Search for a specific app in the App Center

In the example, the **EMS App SMA PV Inverter** was searched for. This app is selected by clicking or tapping on the tile.

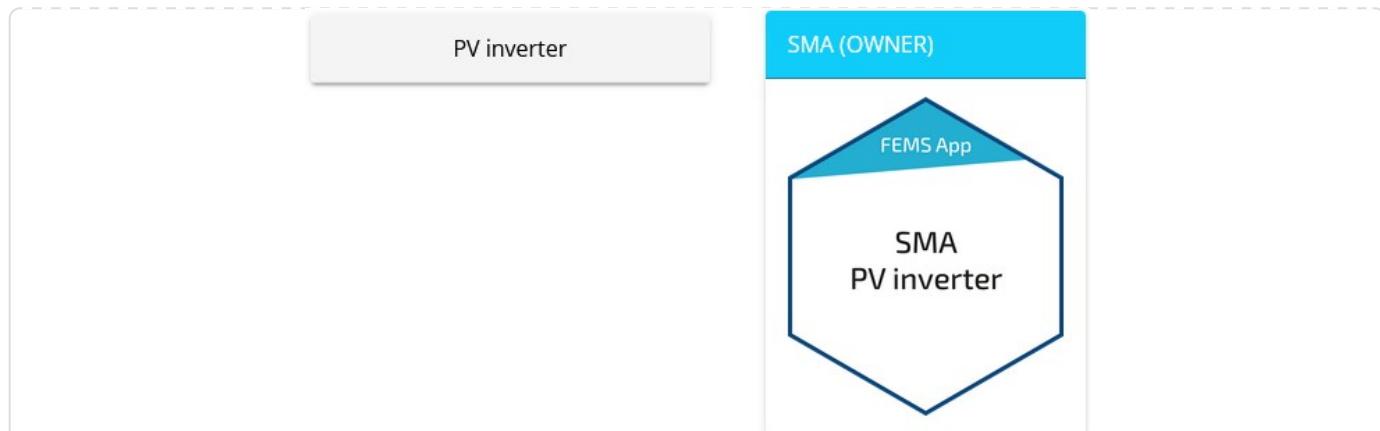


Figure 18. App installation — Variant 1 — Step 1

You will then be taken to the app overview:

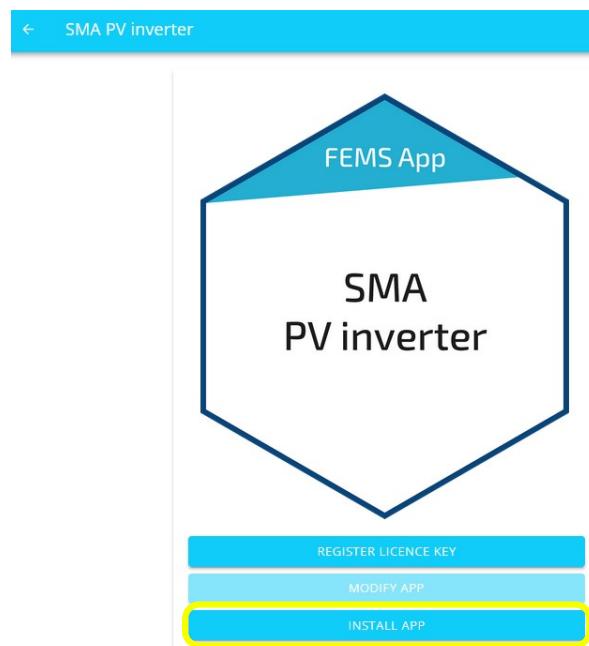
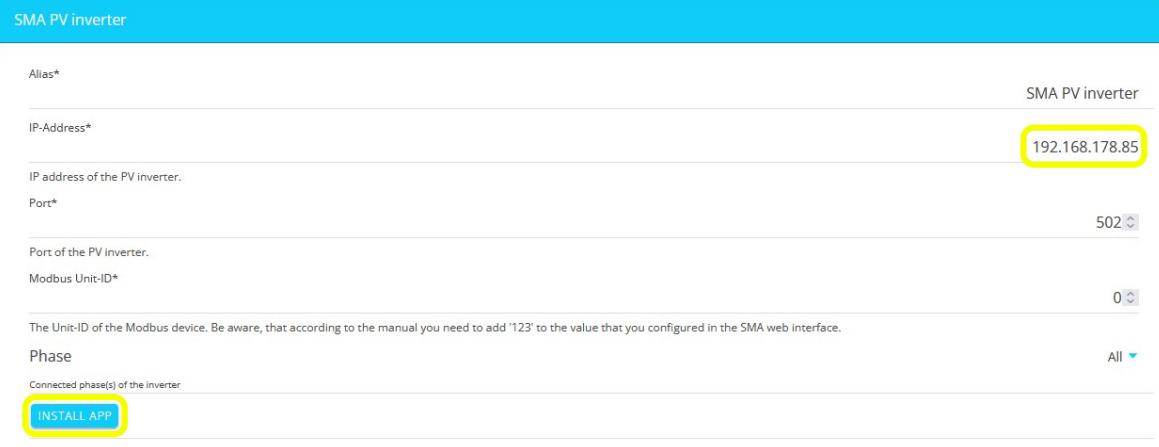


Figure 19. App installation — Variant 1 — Step 2

Select the *INSTALL APP* button.

You will then be taken to the installation wizard for the respective app:

7. Installing a EMS App



SMA PV inverter

Alias*

IP-Address*

IP address of the PV inverter.

Port*

Modbus Unit-ID*

The Unit-ID of the Modbus device. Be aware, that according to the manual you need to add '123' to the value that you configured in the SMA web interface.

Phase

Connected phase(s) of the inverter

INSTALL APP

Figure 20. App installation — Variant 1 — Step 3

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!

Select the *INSTALL APP* button again.

Once the installation process has been successfully completed, the new app will appear in the App Center overview in the **Installed** category.

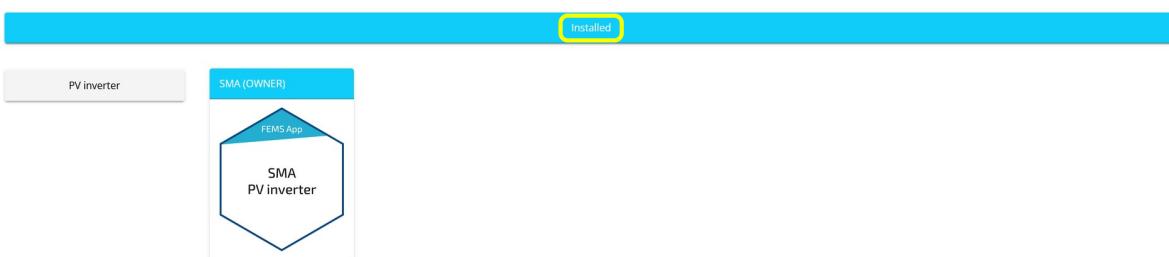


Figure 21. App installation — Variant 1 — Step 4

7.2. Direct installation

You can also install an app directly. To do this, go to the App Center overview and search for the desired app.



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

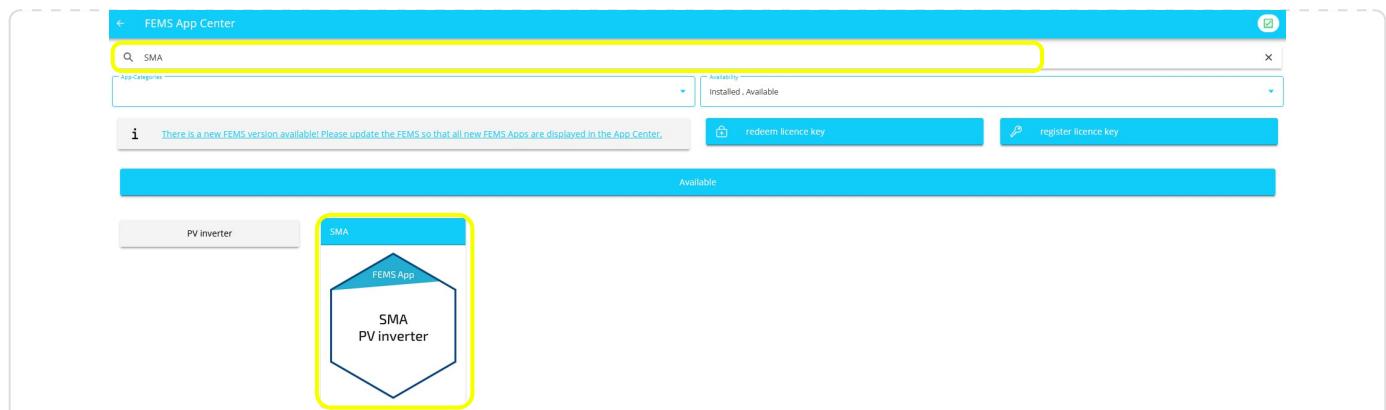


Figure 22. Search for a specific app in the App Center

In the example, the **EMS App SMA PV Inverter** was searched for. This app is selected by clicking or tapping on the tile.

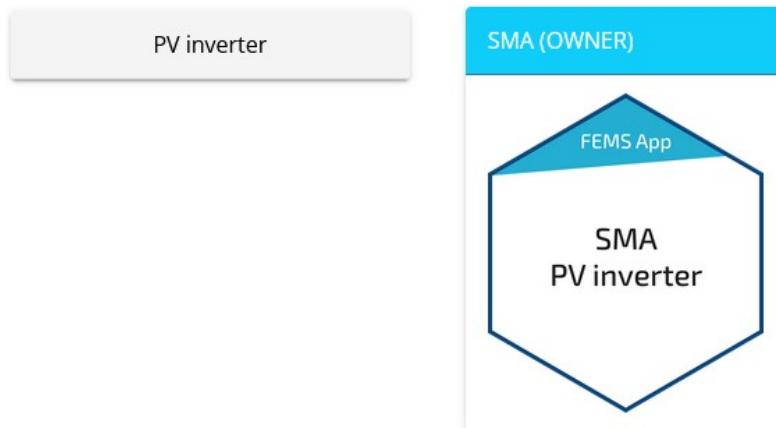


Figure 23. App installation — Variant 2 — Step 1

You will then be taken to the individual view of the app:

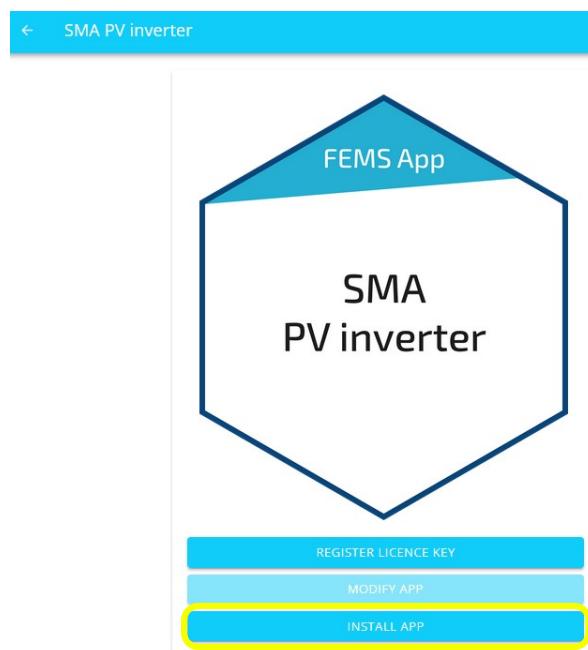


Figure 24. App installation — Variant 2 — Step 2

7. Installing a EMS App

Select the *INSTALL APP* button.

An input mask for redeeming a licence key appears:

register licence key

Enter the license key you received with the order of the app

licence key*

CANCEL REGISTER LICENCE KEY

Figure 25. App installation — Variant 2 — Step 3

You have two options here:

Redeem a new licence key directly

If you have not yet registered a licence key or wish to redeem a new licence key, enter the 16-digit key in the corresponding field and then click on *VALIDATE LICENCE KEY*.

The entered licence key is then checked for validity.

redeem licence key

Enter the license key you received with the order of the app

Redeem already registered licence key

Registered licence keys*

licence key*

XXXX-XXXX-XXXX-XXXX

CANCEL VALIDATE LICENCE KEY

Figure 26. Redeem new licence key directly

If the licence key is valid, it can be registered by clicking on the button of the same name.

 *REDEEM LICENCE KEY*

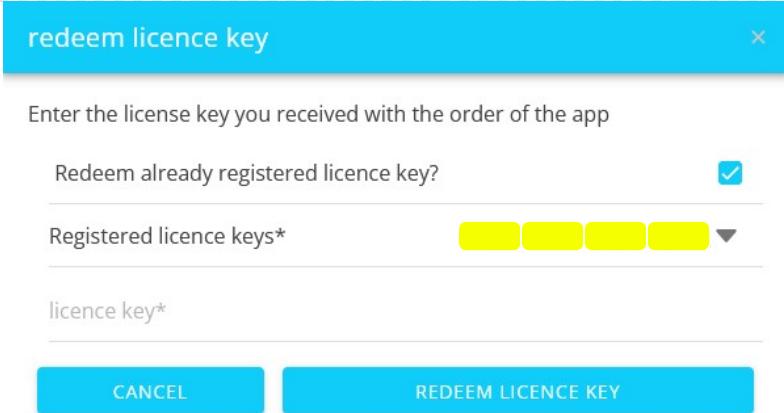
If the licence key is invalid, please check your entry and try again.

Redeem an already registered licence key

In this case, the button in the App Center looks like this:



If you want to redeem an already registered licence key, check the corresponding box and select the appropriate, already registered licence key via ▾ drop-down menu.



redeem licence key

Enter the license key you received with the order of the app

Redeem already registered licence key?

Registered licence keys*

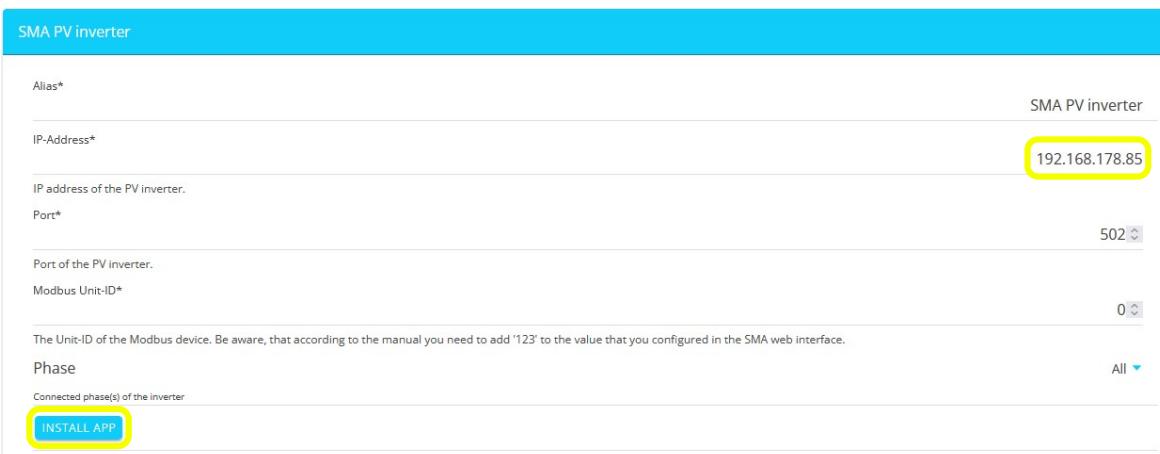
licence key*

CANCEL REDEEM LICENCE KEY

Figure 27. Redeem already registered licence key

Then click on the *REDEEM LICENCE KEY* button.

You will then be taken to the installation wizard for the respective app.



SMA PV inverter

Alias*

IP-Address*

IP address of the PV inverter.

Port*

Port of the PV inverter.

Modbus Unit-ID*

The Unit-ID of the Modbus device. Be aware, that according to the manual you need to add '123' to the value that you configured in the SMA web interface.

Phase

Connected phase(s) of the inverter

INSTALL APP

Figure 28. App installation — Variant 2 — Step 4

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!

Select the *INSTALL APP* button again.

Once the installation process is complete, the new app will appear in the App Center overview in the **Installed** category.

8. Modifying a EMS App



Figure 29. App installation — Variant 2 — Step 5

8. Modifying a EMS App

Apps that have already been installed can be subsequently modified to change their respective configuration.

To do this, select the relevant app in the App Center overview and click on the *MODIFY APP* button.

In the example below, the "EMS App PV Inverter" has been selected again.

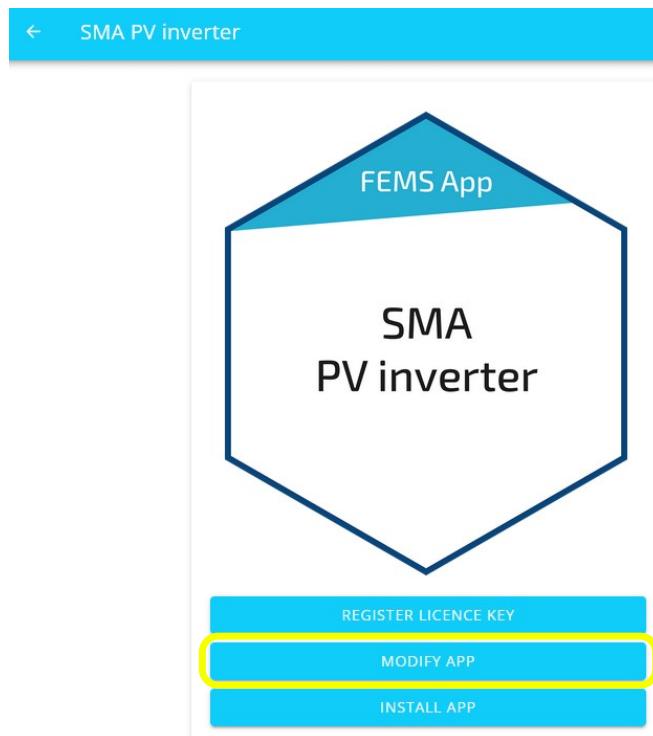
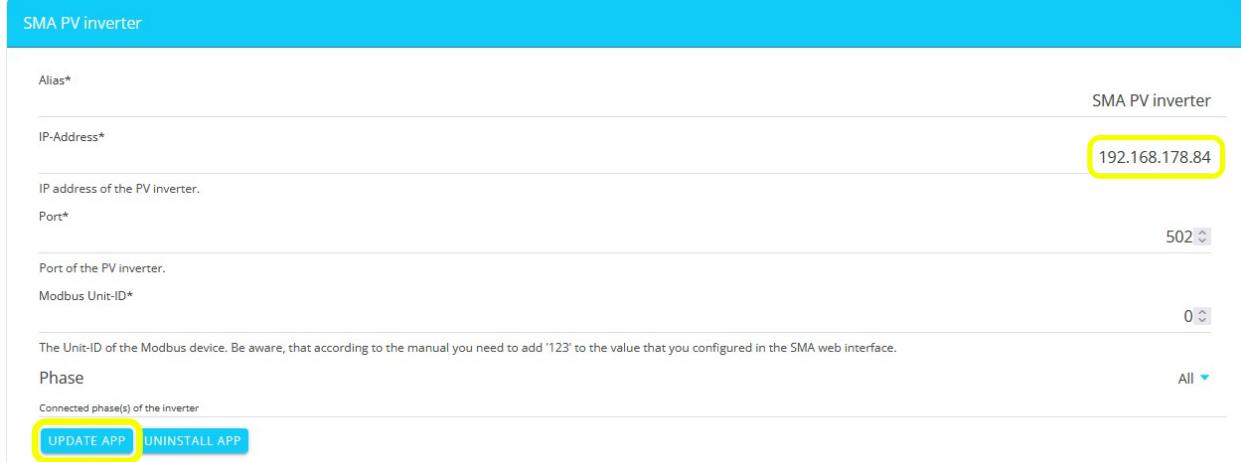


Figure 30. Modify app — Step 1

You will then be taken to the detailed view of the respective app:



SMA PV inverter

Alias*

IP-Address*

IP address of the PV inverter.

Port*

Port of the PV inverter.

Modbus Unit-ID*

The Unit-ID of the Modbus device. Be aware, that according to the manual you need to add '123' to the value that you configured in the SMA web interface.

Phase

Connected phase(s) of the inverter

UPDATE APP UNINSTALL APP

Figure 31. Modify app — Step 2

Make the desired configuration changes here. In the example, the IP address was changed (see yellow highlighting).



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

Finally, click on the *UPDATE APP* button to save the configuration changes.

Modifying the app configuration is now complete.

9. Uninstalling a EMS App

Installed apps can be uninstalled quickly and easily via the App Center.

To do this, select the relevant app in the App Center overview and activate the *MODIFY APP* button.

In the example below, the **EMS App PV Inverter** has been selected again.

9. Uninstalling a EMS App

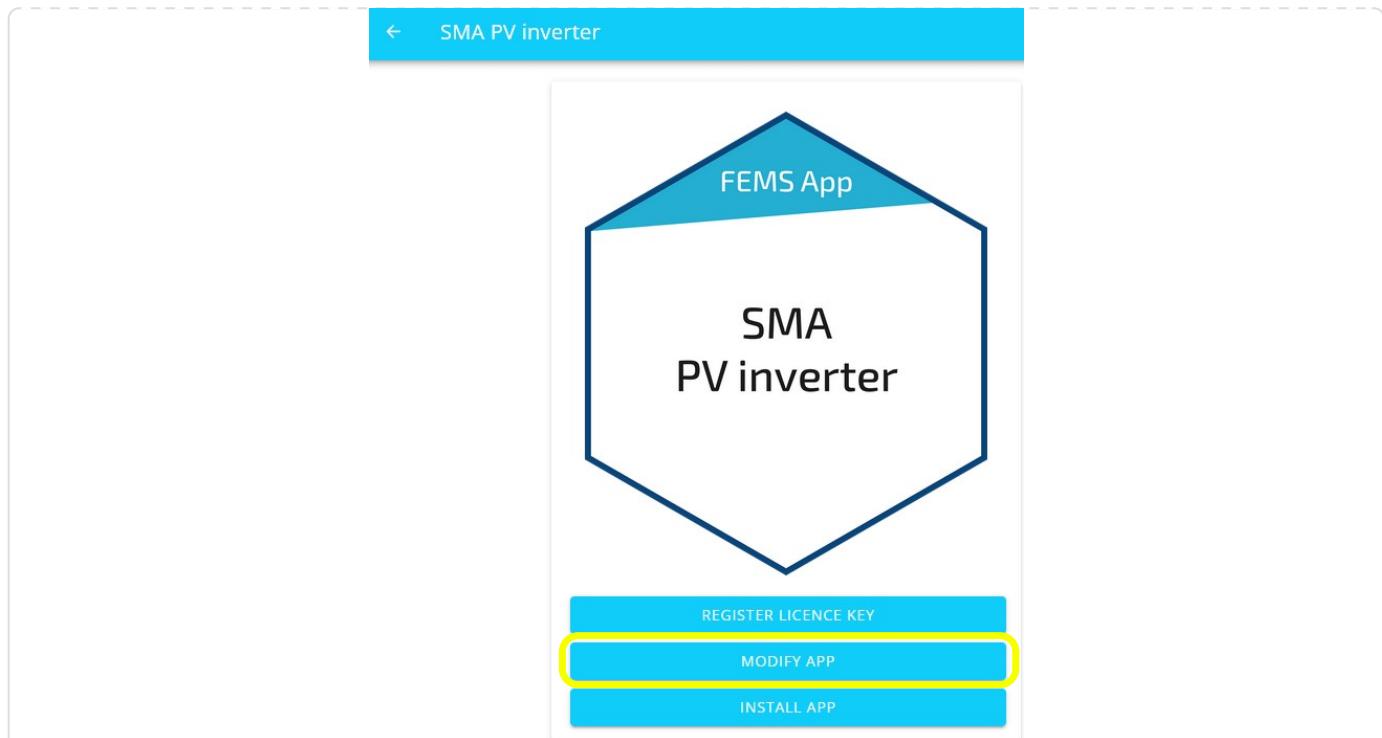


Figure 32. Uninstalling an app — Step 1

You will then be taken to the detailed view of the respective app.

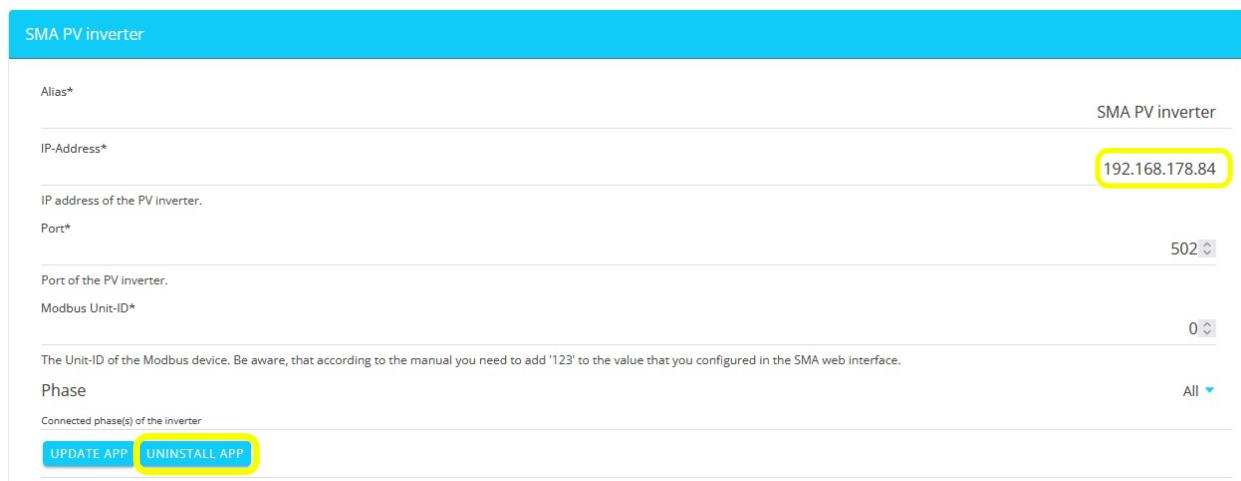


Figure 33. Uninstalling an app — Step 2

The deinstallation of the app is started via the *UNINSTALL APP* button. However, this must still be finally confirmed:

Are you sure you wish to uninstall the app?

Uninstalling the app will remove all of its components and delete all settings made by it.

CANCEL

UNINSTALL

Figure 34. Uninstalling the app — Step 3

This completes the deinstallation of the app. The app is now no longer displayed in the App Center overview under **Installed**.

10. Directories

10.1. List of illustrations

- Figure 1. Burger to side menu — System update — Step 1
- Figure 2. Side menu — System update — Step 2
- Figure 3. App Center — System update — Step 3
- Figure 4. App Center — System update — Step 4
- Figure 5. Back to the Settings menu
- Figure 6. App Center — Step 1
- Figure 7. App Center — Step 2
- Figure 8. Register licence key — Step 1 — Key entry
- Figure 9. Register licence key — Step 2 — Validation
- Figure 10. Register licence key — Step 3 — Registration
- Figure 11. Register licence key — Step 4 — Registration successful
- Figure 12. Redeem licence key directly — Step 1
- Figure 13. Redeem licence key directly — Step 2
- Figure 14. Redeem new licence key directly
- Figure 15. Redeem already registered licence key
- Figure 16. App selection after redeeming a licence key
- Figure 17. Search for a specific app in the App Center
- Figure 18. App installation — Variant 1 — Step 1
- Figure 19. App installation — Variant 1 — Step 2
- Figure 20. App installation — Variant 1 — Step 3
- Figure 21. App installation — Variant 1 — Step 4
- Figure 22. Search for a specific app in the App Center
- Figure 23. App installation — Variant 2 — Step 1
- Figure 24. App installation — Variant 2 — Step 2
- Figure 25. App installation — Variant 2 — Step 3
- Figure 26. Redeem new licence key directly
- Figure 27. Redeem already registered licence key
- Figure 28. App installation — Variant 2 — Step 4
- Figure 29. App installation — Variant 2 — Step 5
- Figure 30. Modify app — Step 1
- Figure 31. Modify app — Step 2
- Figure 32. Uninstalling an app — Step 1
- Figure 33. Uninstalling an app — Step 2
- Figure 34. Uninstalling the app — Step 3