CODEMAN USER GUIDE FOR SERVICE

User manual - EN

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1. Codeman Onboarding

To get access to Codeman, please submit your access request to coneva's Service and Operations team at serviceoperations@coneva.com. Once your account has been created, a verification email will be sent with the instructions to finish setting up the account, as shown in Fig. 1 below.
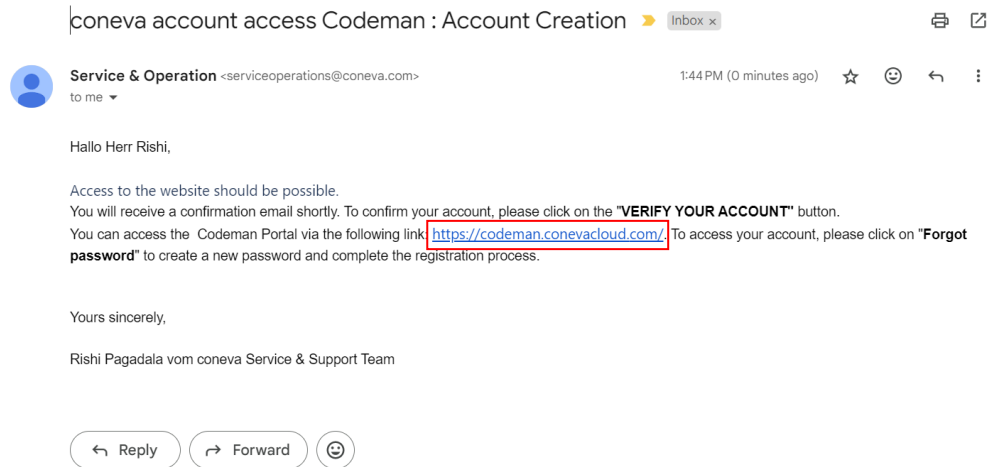
The Codeman Portal can be reached using the website, https://codeman.conevacloud.com, which can also be found in the verification email. Enter the registered email address along with the newly created password to log in.
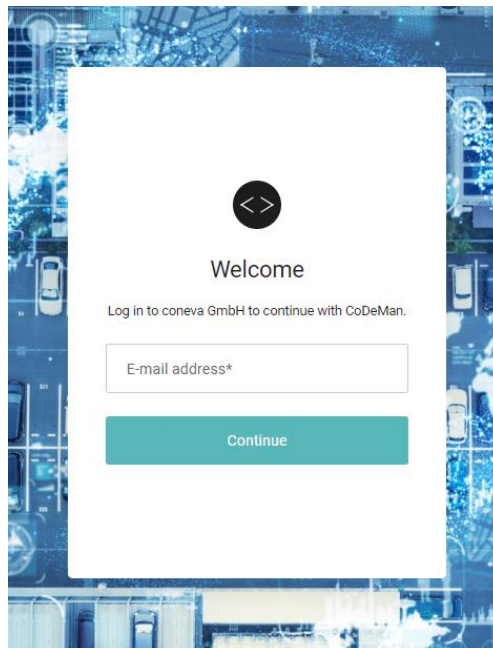
After successful log in, you will be redirected to the Codeman home page, which contains a list of all authenticated devices (Fig. 3).

## 2. Dashboard Overview

To access the site's dashboard view, click on any device name listed on the homepage (Fig 3). The dashboard view shows an overview of the connected charge stations, as well as their status and details (Fig 4).

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1. **SmartBox Status:** displays the current condition of the device. A green symbol indicates that the SmartBox is connected, while a red symbol indicates that the SmartBox is disconnected.
2. **SmartBox SW Version:** current software version of SmartBox.
3. **Site Configuration:** displays the total number of chargers, along with the details of the number of connectors for each specific charger commissioned on site.
4. **System Schematic View:** system diagram providing an overview of the components used and its configuration for the specific site (Fig. 5).
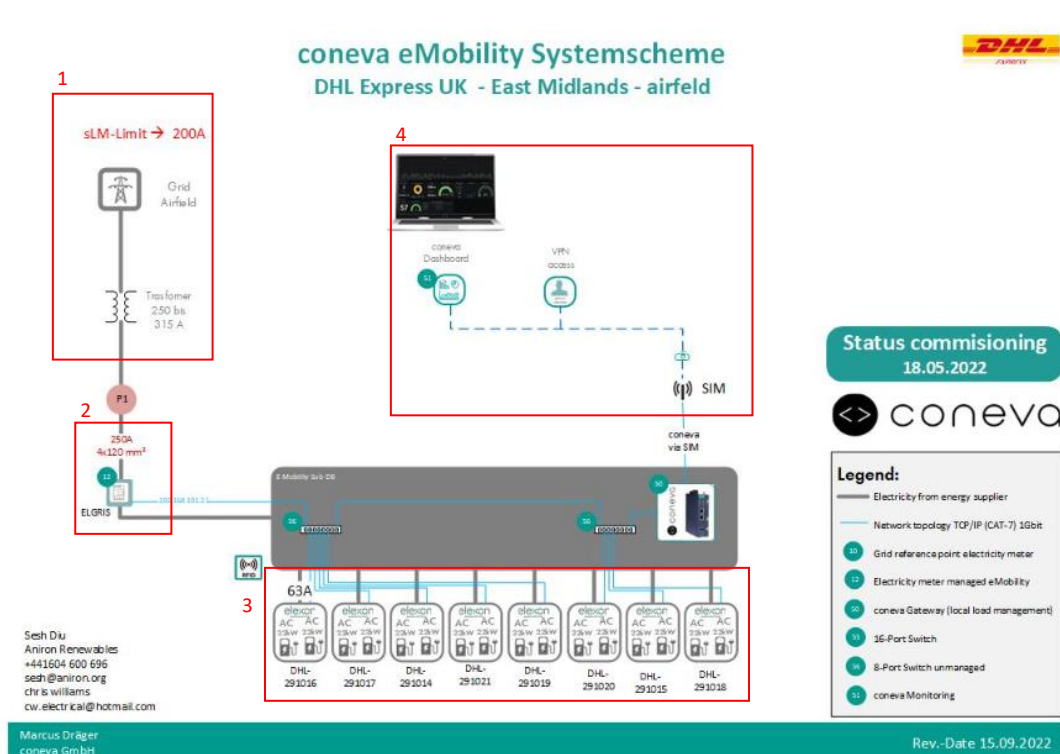

Fig.5 System Scheme

1. **Energy Generation Import area:** energy is supplied by the grid and the PV plant via the main grid.
2. **Main Grid Meter:** calculates the value of incoming energy, which is important for load management.
3. **Charging Stations:** for one charging station, many charge points could be available. RFID authentication is used to operate all of them.
4. **Monitoring section**: operated by coneva Service & Operation team.

3. Module Status

This page displays the status of the load management modules.

Fig.6 Module Status Section

1. **Last Active:** indicates the current status of the module. A green symbol signifies that the status was updated within the last 8 minutes, indicating recent activity. If the device fails to send any status information within the next 8 minutes or after 8 minutes, a yellow symbol is displayed, Red indicating that it has not been updated for up to 15 minutes. After 15 minutes of no updates, a red symbol is displayed (Fig. 7).
2. **Age:** shows last module status updated time.
3. **Status:** shows the running module status.

Fig.7 color code of device status

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4. Charge Points

This page displays the charging station status, which is updated every few seconds via OCPP (Fig. 8).

Fig.8 Charge Points

Select any of the chargers in the list to access the charger details (Fig. 9).

Fig.9 Charger Details

1. **Update Firmware:** update charger's firmware.
2. **Soft Reset:** end any ongoing transactions and returning to the original status.
3. **Hard Reset:** restarts the charging point software.

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5. RFID-Tags

RFID (Radio Frequency Identification) cards enable a charging station to identify and allow authorised persons to start and stop the charging process. This functionality is only available on Codeman if the SmartBox is set to use the Coneva local OCPP backend.

Add/Remove RFID-Tag:

Fig.10 RFID Tags

It is possible to add a new RFID in the system either via the backend system or the physical scan method.

To add a new ID via the backend service:

1. Click on the "Edit" button (Fig. 10).
2. Click on "Add RFID Tags+", enter basic information such as ID number, ID expiry date, and user area such as multi or grid/PV then click on "Save" (Fig. 11).
3. To remove an ID, click on the red minus sign then click on "Save" (Fig. 11).

Fig.11 Add RFID Tag

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Add Unauthorized RFID:

Another method of adding the RFID ID is through physical scanning at the charging station by the engineer or customer. Details are saved in the unauthorized attempts section after scanning the RFID at the charging station. Simply click on the "Add unauthorized" option (Fig. 12).
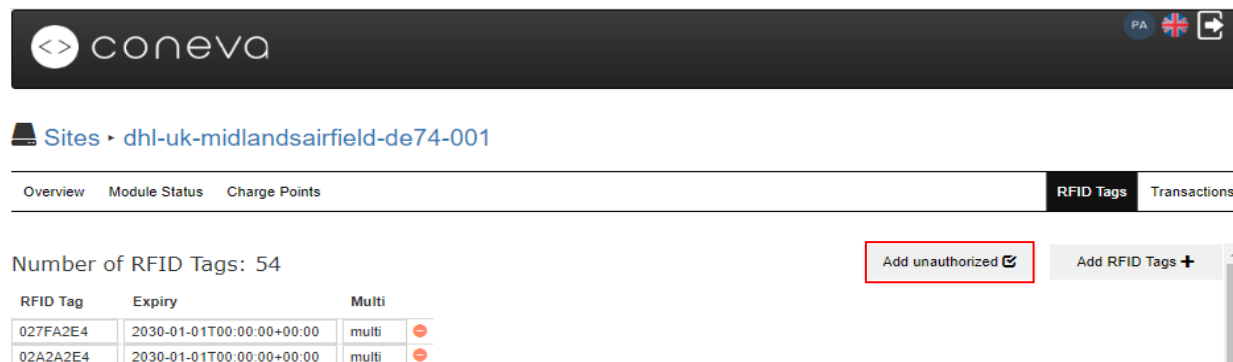

Fig.12 Add unauthorized RFID Tags.

The options will show a list of unauthorized attempts ID (Fig.13).

1. Select the RFID tags to be added to the authorised charging list.
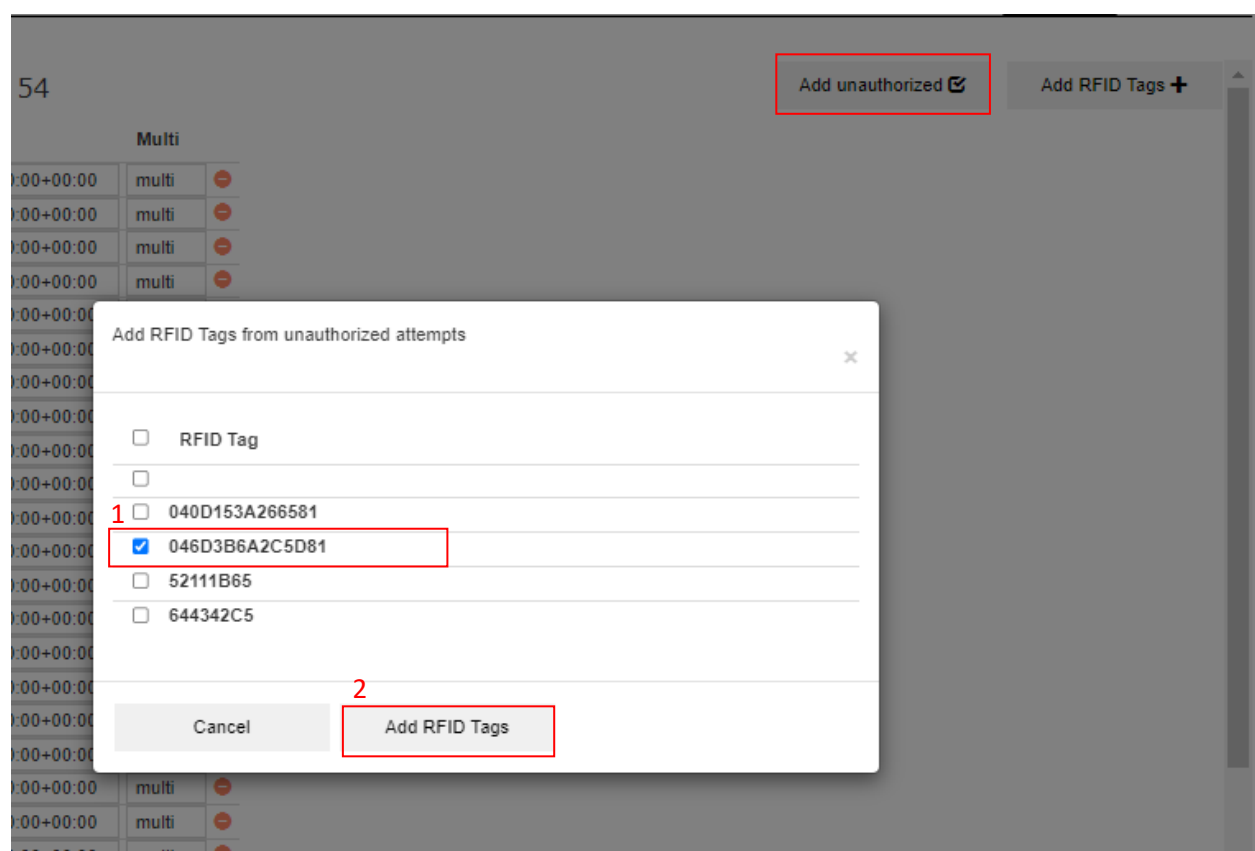2. Click on "Add RFID Tags".

Fig.13 Add unauthorized attempts RFID Tags.

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6. Transactions

In the Transactions tab, it is possible to view the ongoing transaction details as well as stop the charging transaction.

Fig.14 Transactions

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