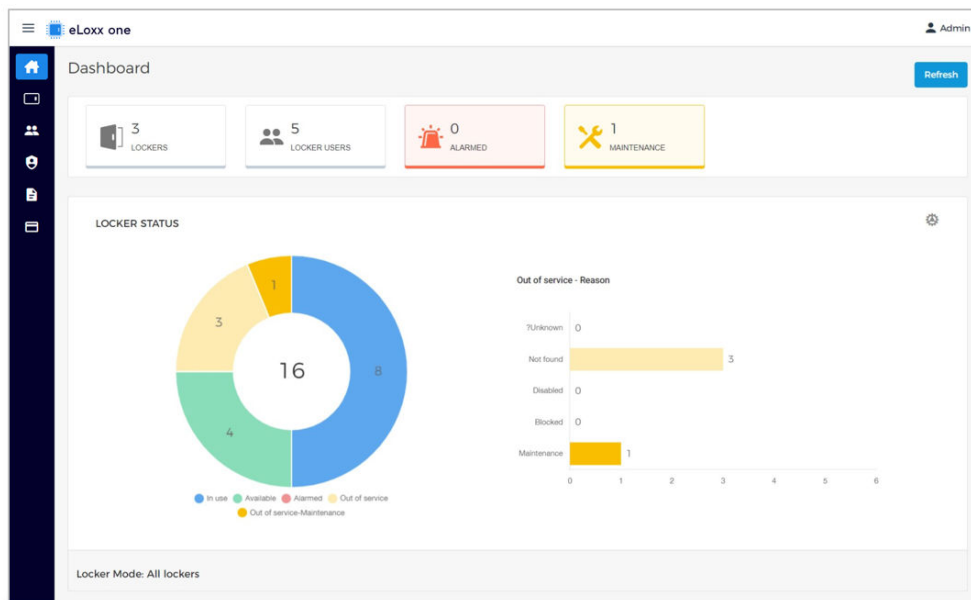


eLoxx one

Embedded Locker Management Software for GANTNER G7 Hardware



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1. GENERAL INFORMATION

1.1. About This Manual

The section "[General Information \[4\]](#)" provides an overview of the information and instructions contained in this manual. In addition, the frequently used terms are explained and you find infos for contact and inquiries.

The section "[Overview \[6\]](#)" provides an overview of the main functionality of eLoxx one and the associated hardware components as well as a summary of the requirements for operating the locker system.

The section "[Installation \[9\]](#)" provides an overview of how to install and activate eLoxx one within a web browser via the GC7 web interface.

The section "[User Interface \[18\]](#)" describes each configuration page of eLoxx one and how to navigate around the main components of the user interface.

In the section "[Applications \[30\]](#)", application examples are provided to explain how to configure the locker system, add and manage the users, and successfully implement the operational functions of eLoxx one to manage your locker system.

Validity:

- This description is valid as of 10.07.2023 .
- It is subject to change. Amendments can be made without prior notice at any time!
- Information in this manual refers to version 2.0.0 of the G7 Main Controller App and 2.14.0 of the GC7 Controller firmware.

1.2. Terminology

The terms used often in this manual are defined below.

eLoxx one

eLoxx one is an extension of the G7 Main controller App, which allows the configuration and control of the connected controllers and locks via a web user interface.

G7 Main Controller App

The name of the software (app) that is installed on the GC7 controller thereby allowing it to operate as a main controller in the locker system.

Sub controller

The sub controllers connect to the electronic locker locks. The sub controllers receive signals from a main controller (GAT NET.Controller or GC7 controller) via a serial RS-485 interface to control the connected locks.

Lock

General term for an electronic locker lock from GANTNER.

Locker

This term is used to describe all possible locker applications, e.g., a changing room locker, depot box, or private box, which can be locked by an electronic locker lock from GANTNER.

RFID (Radio-Frequency Identification)

Identification over short distances using radio frequency. An RFID data carrier is used as identification media.

Data carrier

A data carrier is a form of identification media that is used by employees and visitors in a facility for identification. Data carriers are available in a variety of different forms such as plastic wristbands and chip cards. Data carriers are also available to suit different RFID technologies (LEGIC, MIFARE®, ISO 15693).

User

This term refers to the end user (person) who is using or operating the GANTNER device to complete a function.

1.3. Contact and inquiries

If you have any questions concerning GANTNER products, please contact your local sales partner or one of the GANTNER branch offices directly. The contact details are available via the following link:

[GANTNER Locations](#)

2. OVERVIEW

2.1. General Information about eLoxx one

The eLoxx one application enables a clear status visualization, configuration, and control of the electronic locker locks from GANTNER as well as the management of the users of the locker system. GANTNER locker locks are used for the convenient locking of lockers in recreational facilities, educational organizations, and companies, etc.

eLoxx one operates via the G7 Main Controller App installed on the GC7 controller and is intended for smaller systems with up to 192 locks, i.e., the maximum number of locks that can be connected to one GC7 controller. A license for eLoxx one must be activated in G7 Connect to begin using the application via the G7 Main Controller App. No further software installation is required on the various workstations and system operators can access the user interface of eLoxx one using any common web browser such as Google Chrome or Mozilla Firefox.

All system data is stored in the database of the G7 Main Controller App. The app is responsible for making all decisions, e.g., requests to unlock a locker, based on the data in its database. With the eLoxx one license activated, the G7 Main Controller App can also run on the GT7 terminal thereby allowing the display of data from the G7 Main Controller App database (Info terminal function).

The initial configuration of the locker system is completed in the GC7 web interface. eLoxx one can then be accessed via a direct link from the web interface or by entering the address manually into the web browser. The dashboard of eLoxx one provides an overview with the utilization and current status of the lockers clearly displayed. A detailed view is provided for each locker with actions including open locker, disable/enable locker, and reset alarm being available. The management of locker users is carried out on a dedicated page where data carriers, lockers, and authorization groups can be easily assigned to each user.

2.2. System Overview

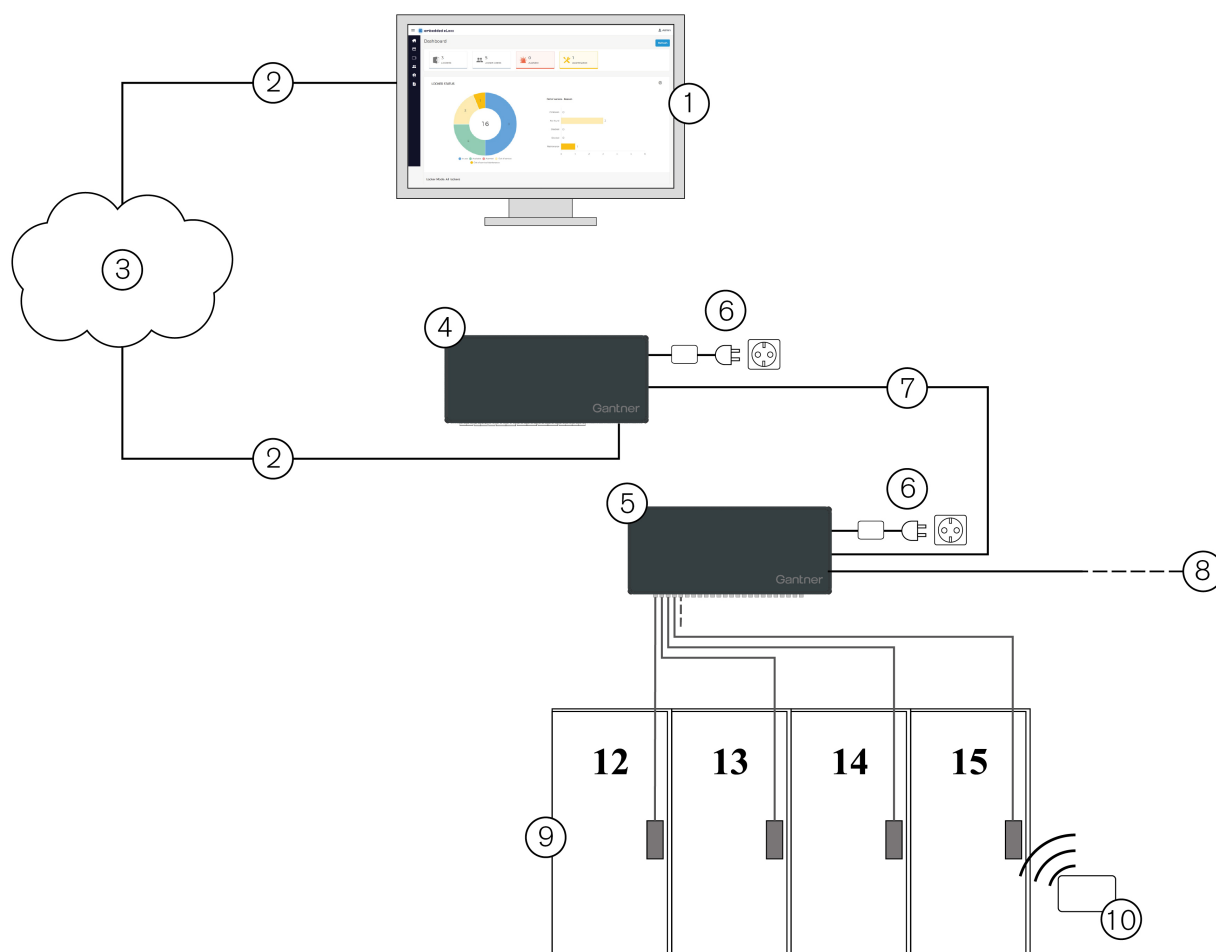
eLoxx one operates in combination with GANTNER hardware components to provide a complete electronic locker system. The following figure shows the basic structure of the system.



NOTICE

This manual describes the operation of the eLoxx one application. Separate manuals are available for other components (dark gray) that comprise the system.

Figure 1. Locker locking system with eLoxx one



- 1 ... Web browser with eLoxx one
- 2 ... Network connection
- 3 ... Connection to Internet (optional) and local network
- 4 ... GC7 controller with G7 Main Controller App
- 5 ... GANTNER sub controller
- 6 ... Power supply
- 7 ... RS-485 connection
- 8 ... RS-485 connection to additional GANTNER sub controllers
- 9 ... Lockers with GANTNER electronic locks
- 10 ... User identification via RFID data carrier

2.3. System Requirements And Limitations

In order to use the eLoxx one software, please make sure that the following requirements and limitations are met.

System Requirements

- GC7 controller with G7 Main Controller App V2.0.
- GAT NET.Lock system (GAT NET.Lock locks, GAT NET.Controller S sub controller, cables, etc.). See the GAT NET.Lock system manual for more information
- Network port to access the eLoxx one website. Default HTTP port (80) or HTTPS port (443).
- Optional: broadband internet connection (min. 4/1 Mbit).

System limitations

- The system is limited to max. 192 locks (max. 8 sub controllers with max. 24 locks per sub controller).
- The total number of bookings is limited to 10,000.
- The total number of authorizations (locker users) should not exceed 10,000.

Supported Operating Systems

eLoxx one can be accessed via a web browser on any operating system.

**NOTICE**

Please note that the GANTNER Support Team can only assist when a German or English version of the computer operating system is being used. In addition, support can only be given when the customer provides all access authorizations required by the Support Team.

Supported Web Browsers

The following web browsers are supported:

- Google Chrome
- Microsoft Edge
- Mozilla Firefox

**NOTE**

Always use the latest version of the web browser to ensure optimum performance.

3. INSTALLATION

The first step in the configuration of the eLoxx one locker system is to access the web interface of the GC7 controller. You can use any common web browser to directly access a GC7 controller that is reachable via the network.

1. Open a web browser on a PC or mobile device.
2. Enter the IP address of the GC7 controller into the address line.

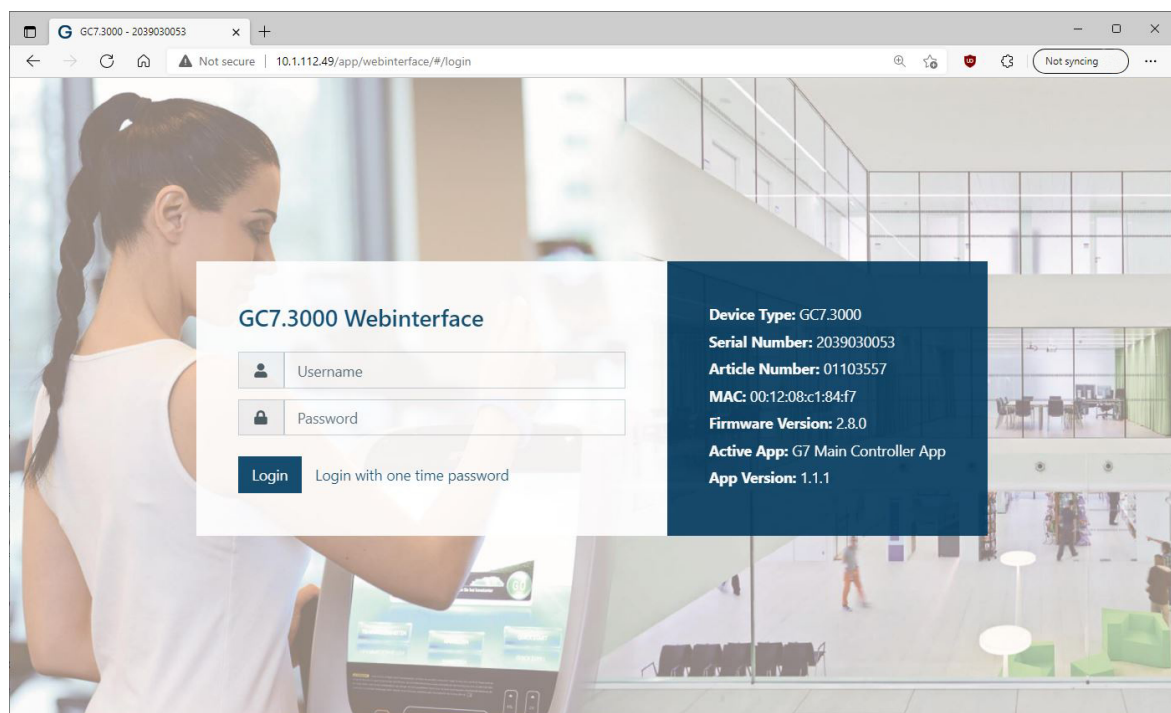
Note: The GC7 controller uses DHCP by default to automatically obtain an IP address from the network. Ask your network administrator for the IP address.



NOTE

You can also use GANTNER's GAT Device Finder software to scan the network for devices. A GC7 controller will be displayed there with the device type "GC7.x000" and the IP address. The GAT Device Finder software is available on the partner page of the GANTNER website.

↪ The login page of the GC7 controller web interface opens.



3. In the login window, enter your username and password and click "Login".



NOTE

The default username is "admin" and the default password is "GAT". After the initial login, please change the default login details to a secure username and password. This is done in the GC7 web interface on the "Security and user" page of the "Device Configuration" menu.

↪ The dashboard of the GC7 web interface opens with an overview of the system settings.

**NOTICE**

See the GC7 manual for a full description of the settings and operation of the web interface.

3.1. Activating eLoxx one

Different apps can run on a GC7 controller. The GC7.2000 M lite and GC7.2000 M controllers are delivered with the G7 Main Controller App pre-installed. The GC7.2000 M controller also comes with 50 license points. 40 additional license points are required to activate eLoxx one via the G7 Main Controller App in G7 Connect.

**NOTICE**

The required license points to activate eLoxx one can be purchased from GANTNER. If you are not currently using G7 Connect, speak to your GANTNER representative about activating eLoxx one. The LAN MAC address and serial number of your GC7 controller are required for this.

3.1.1. License Activation in G7 Connect

**NOTICE**

Registration is required to begin using G7 Connect. See the G7 Connect manual for a full description on registering and using G7 Connect.

1. Open a web browser and enter the following URL into the address bar:

<https://gantner.cloud>

2. Confirm with "Enter".

The G7 Connect login screen is displayed.

3. Enter your username and password for G7 Connect and confirm using two-factor authentication (if enabled).

The dashboard of G7 Connect is displayed.

4. Open the "Devices" page of the project that your GC7 controller is assigned to.

The screenshot shows the Gantner web interface. The top navigation bar includes the Gantner logo, a search bar, and the project name 'PROJECT: GANTNER DOCUMENTATION PROJECT 2'. The left sidebar contains navigation links: Dashboard, Settings, Permissions, Devices, Monitoring, Configuration templates, Themes, and Activity log. The main content area is titled 'Devices - GANTNER Documentation Project 2'. It features a top bar with buttons: Device pairing, Firmware, App (highlighted), Theme, and Configuration templates. Below this is a filter bar and a table of devices. The table has columns: Device name, Serial number, Device paired, Connected, Device type, Device licenses, Remaining cloud days, and Actions. The 'GC7 Controller' row is highlighted with a red dashed box, and its checkbox is checked.

Device name	Serial number	Device paired	Connected	Device type	Device licenses	Remaining cloud days	Actions
Central Locker Desk	1910000013	Yes	Yes	GT7.3500	99	1166 days	
BoR GT7	1920000082	Yes	No	GT7.3300	50	0 days	
☒ GC7 Controller	2039030053	Yes	Yes	GC7.3000	30 + 40	26 days	

- Mark the check box next to the device name of your GC7 controller and then click on the “App” button.

↪ The following window opens.

The screenshot shows the 'Apply App to device(s)' dialog box. It contains the following fields and options:

- App type ***: G7 Main Controller App - GANTNER Electronic GmbH
- App version ***: 2.0.1
- Theme**: Remove theme
- Open card license**: ☐ Open card license, ☒ eLoxx one
- Main App**: Light
- Change theme**: ☒ Change theme
- Show release notes**: [Show release notes](#)
- Number of selected devices**: 1
- Check app update status**: [Check app update status](#)

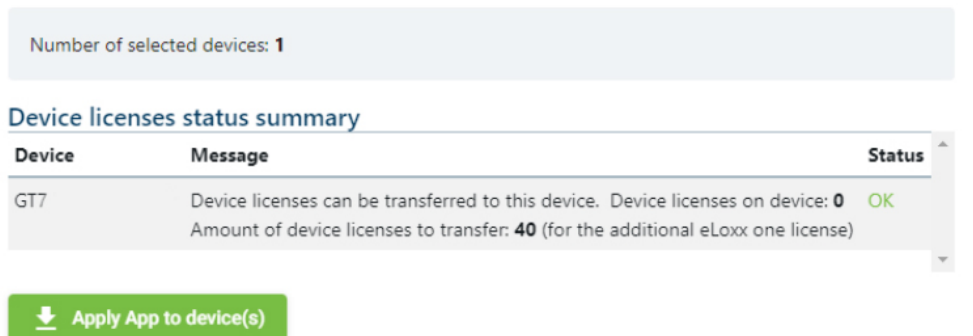
- In this window, define the following settings required for the G7 Main Controller app:
 - App type: Select "G7 Main ControllerApp" from the menu.
 - App version: Select app version 2.0 or a later version from the menu.

- eLoxx one: Enable this option to activate the license for eLoxx one eLoxx one.

Note: 40 license points (also called device licenses in G7 Connect) are required for each GC7 controller to activate eLoxx one. The required device licenses must be available in the project that the GC7 controller is assigned to before completing this process. Information on the device licenses is provided in the main area of G7 Connect under "Licenses" -> "Device licenses". Speak to your GANTNER representative about ordering more device licenses if necessary.

7. Click on "Check app update status".

↪ A summary of the device licenses required is displayed at the bottom of the "App" window. Also shown here is whether a firmware update is required to install the app. If there are insufficient device licenses or a firmware update is required, these requirements must be met before the app can be installed.



Number of selected devices: 1

Device licenses status summary

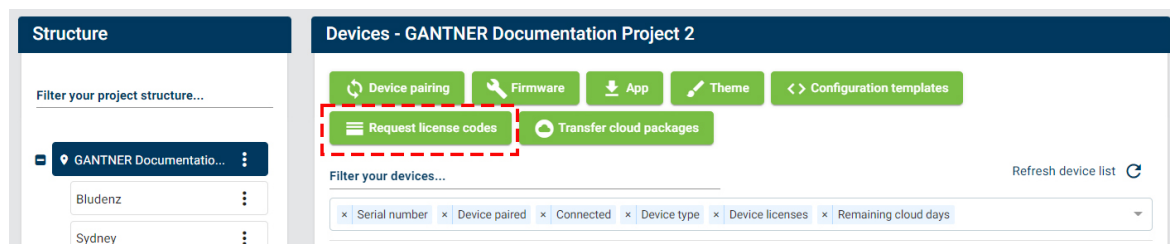
Device	Message	Status
GT7	Device licenses can be transferred to this device. Device licenses on device: 0 Amount of device licenses to transfer: 40 (for the additional eLoxx one license)	OK

 Apply App to device(s)

8. Click on "Apply App to device(s)" to complete the process.

↪ Device licenses and the app are loaded to the GC7, which now operates as per the functionality of the G7 Main Controller App.

9. If your GC7 controller does not have an active connection to G7 Connect, the license code can be displayed after selecting the desired app (e.g., license code for 40 points for the G7 Main Controller App). This license code can then be entered into the GC7 web interface. Therefore in G7 Connect click on "Request license codes".



The screenshot shows the 'Devices - GANTNER Documentation Project 2' interface. On the left is a 'Structure' sidebar with a filter and a list containing 'GANTNER Documentatio...', 'Bludenz', and 'Sydney'. The main area has a top bar with buttons: 'Device pairing', 'Firmware', 'App', 'Theme', and 'Configuration templates'. Below this is a row of buttons: 'Request license codes' (highlighted with a red dashed box), 'Transfer cloud packages', and 'Refresh device list'. At the bottom, there is a 'Filter your devices...' section with a dropdown menu showing options: 'Serial number', 'Device paired', 'Connected', 'Device type', 'Device licenses', and 'Remaining cloud days'.

10. Select the G7 Main Controller App and copy the displayed license code.
11. Open the "Licensing and coding points" page on the GC7 web interface.

↪ The following window is displayed.

GC7.2000 - V2

/ Home / Licensing and coding points

License information:

Serial number: 2039030053

LAN MAC address: 00:12:08:C1:84:F7

License points: 50

Addon bus devices: 8

Open card: ☒

eLoxx one: ☐

License code:

Apply license Code

12. Enter the license code into the “License code” field and then click on “Apply license code”.

↪ The license code is checked and activated if valid. An activated license is indicated by a tick in the “eLoxx one” box.

Serial number: 2039030053

LAN MAC address: 00:12:08:C1:84:F7

License points: 50

Addon bus devices: 8

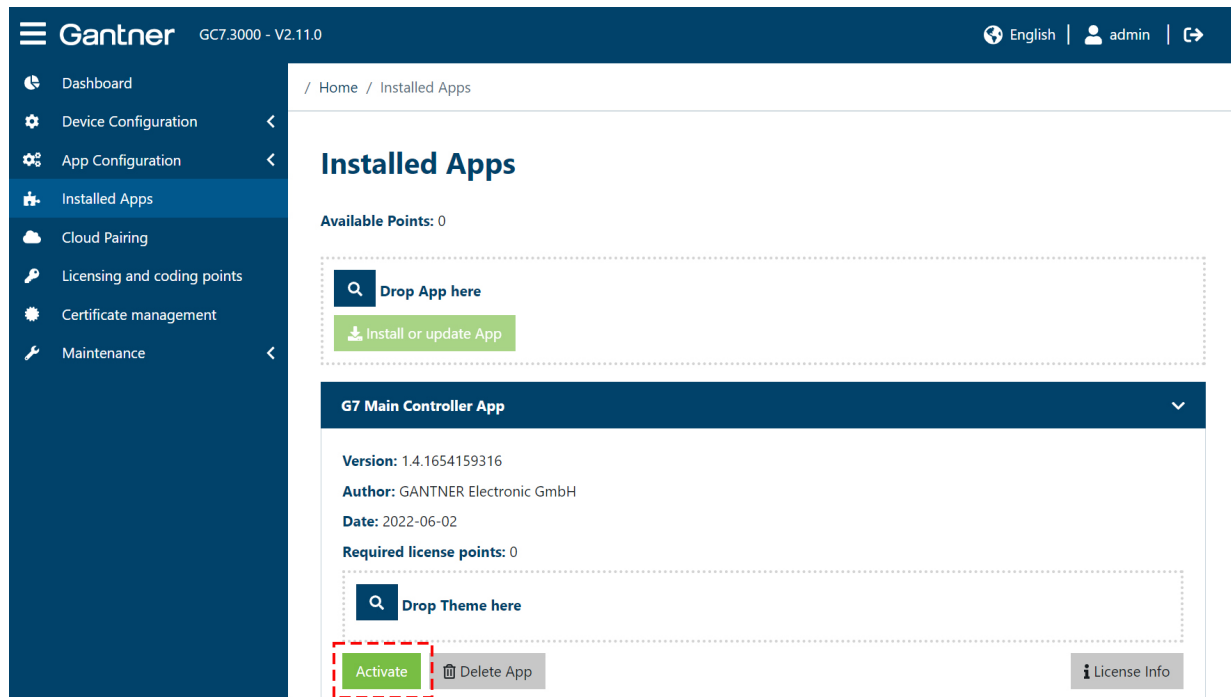
Open card: ☒

eLoxx one: ☒

License code:

3.1.2. License Activation in the GC7 Web Interface

The initial configuration of the locker system is completed in the GC7 web interface via the G7 Main Controller App, which must be set as the active app. All installed apps are listed on the “Installed Apps” page with the currently active app indicated with the green “Active App” text.



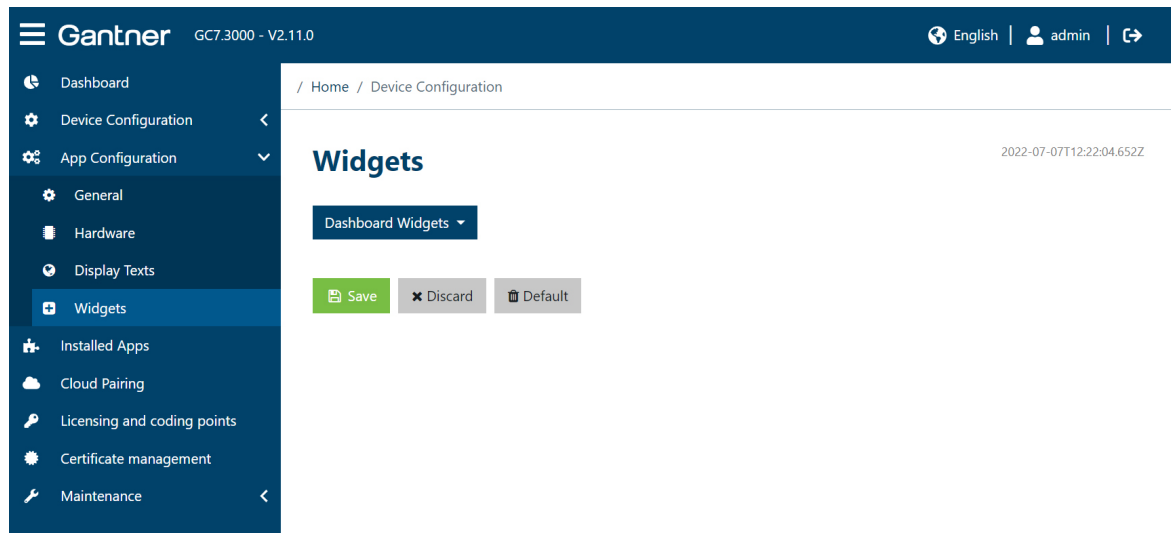
1. If required, start the G7 Main Controller app via the "Activate" button.
 - ↪ The app starts, which can take up to one minute.
 - ↪ Only one app can be active at a time, i.e., before activating an app, the currently active app is automatically stopped.



NOTICE

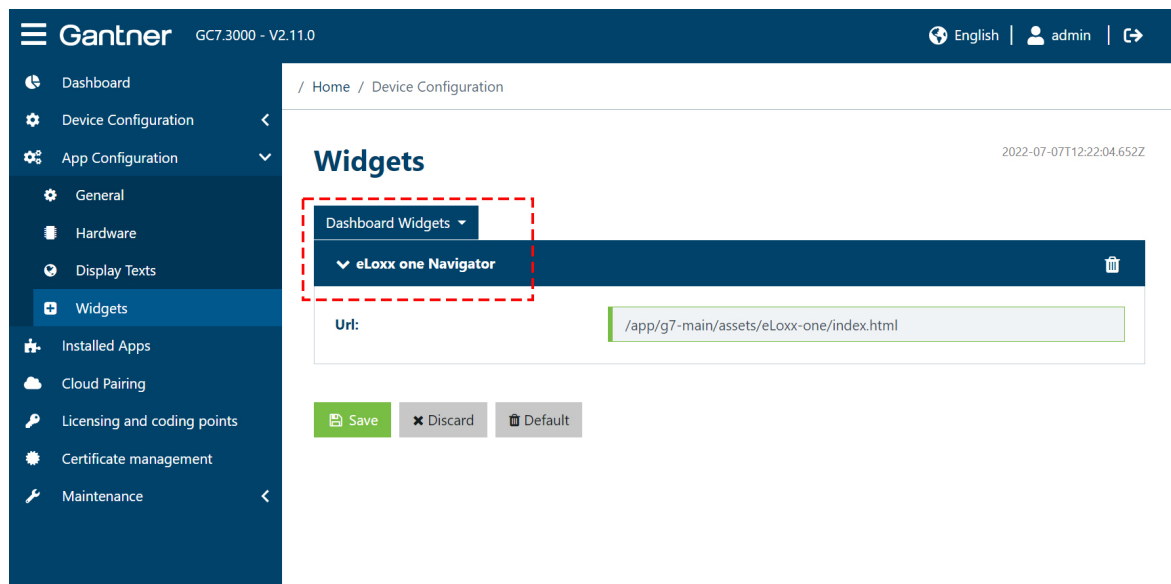
In the upper "Drop App here" field, a new app or a new version of an already installed app can be uploaded to the GC7 controller. The app file is required for this, which must be dragged and dropped onto this field.

2. After setting the G7 Main Controller App as the active app in the GC7 web interface, the user interface of eLoxx one must be activated according to the following steps.
3. Open the "Widgets" page via "App Configuration" -> "Widgets" of the GC7 web interface.
 - ↪ The following window opens.



4. Click on "Dashboard Widgets" and select "eLoxx one Navigator" from the menu.

↪ The URL of eLoxx one is added automatically.



5. Click on "Save".
6. Open the "Dashboard" page on the GC7 web interface.

↪ Here you will notice a new button in the "G7 Main Controller App" section – "Open eLoxx one".

System Overview

G7 Main Controller App

Open eLoxx one

Device Info

Type: GC7-3000
Serial number: 2039030053
Article number: 01103557
Firmware: 2.11.0
Hardware: 2.1

Active App

Name: G7 Main Controller App
Version: 1.4.1657807728
Required license points: 0

Network

LAN MAC address: 00:12:08:C1:84:F7
LAN IP address: 10.1.112.49
WLAN MAC address:

Connections

Management software: ✓
wss://socketapi.staging-enviso.io/devicecenterapi (Cloud)
Cloud connected: ✓
Wlan connection: ✗

System state

Fingerprint reader: ✗
Touchscreen: ✗
RFID reader: NONE
Device timestamp: 2022-07-22T09:17:19.721

7. Click on the "Open eLoxx one" button.

↪ eLoxx one opens in a new tab of your browser and the Dashboard is shown.

Dashboard

3 LOCKERS
5 LOCKER USERS
0 ALARMED
1 MAINTENANCE

LOCKER STATUS

16

Out of service - Reason

Reason	Count
Unknown	0
Not found	3
Disabled	0
Blocked	0
Maintenance	1

Locker Mode: All lockers

8.



NOTICE

eLoxx one can also be accessed by manually entering the following URL into a web browser:

<http://0.0.0.0/app/g7-main/assets/eloxxone>

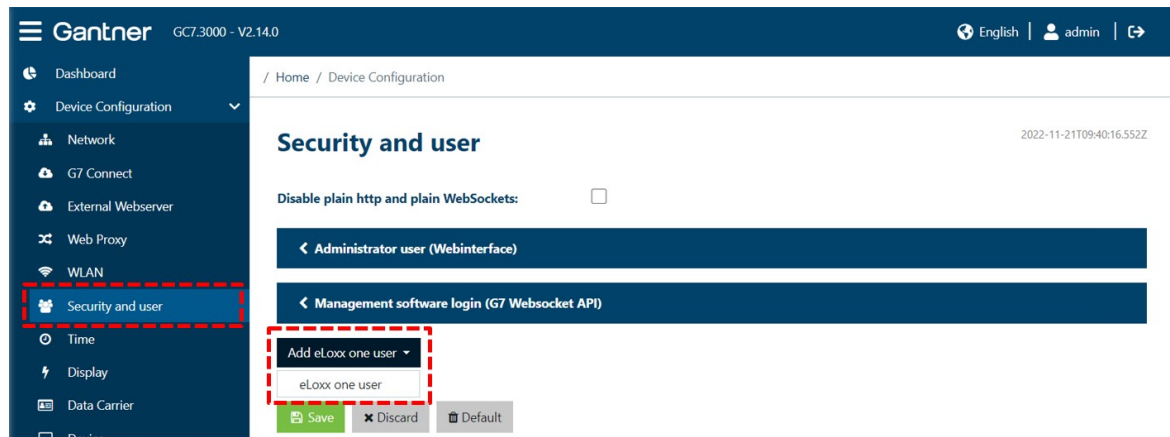
Ensure to replace the IP address shown above (0.0.0.0) with the actual IP address of your GC7 controller.

3.2. Adding operators to eLoxx one

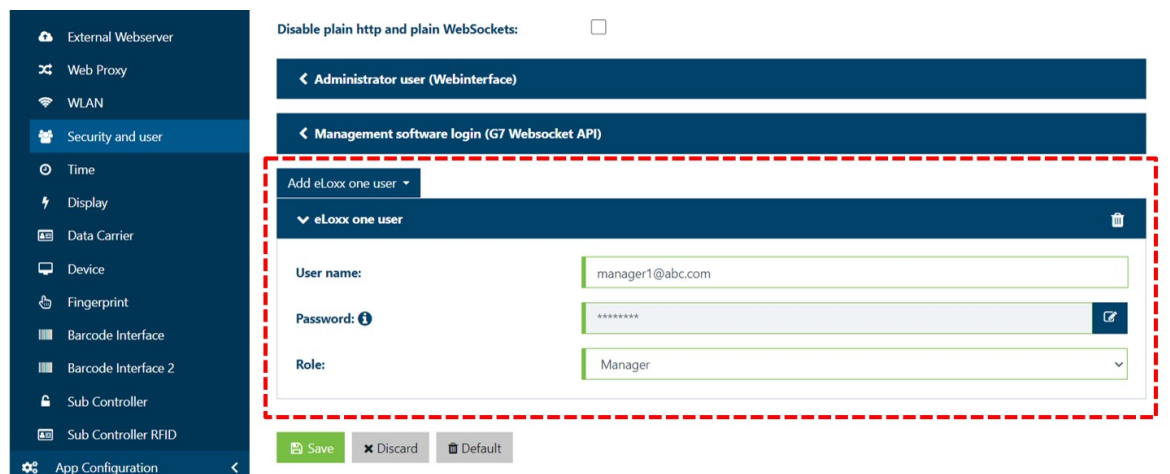
The system operators of eLoxx one, e.g., the employees of the facility responsible for managing the locker system, are added via the G7 Main Controller App in the GC7 web interface. Multiple operators can be added and assigned to two different roles (Manager or User), which defines their rights in the system. Complete the following steps.

1. Go to "Device Configuration" > "Security and user" via the menu of the GC7 web interface.

The following window opens.



2. Click on "eLoxx one user" from "Add eLoxx one user" menu.



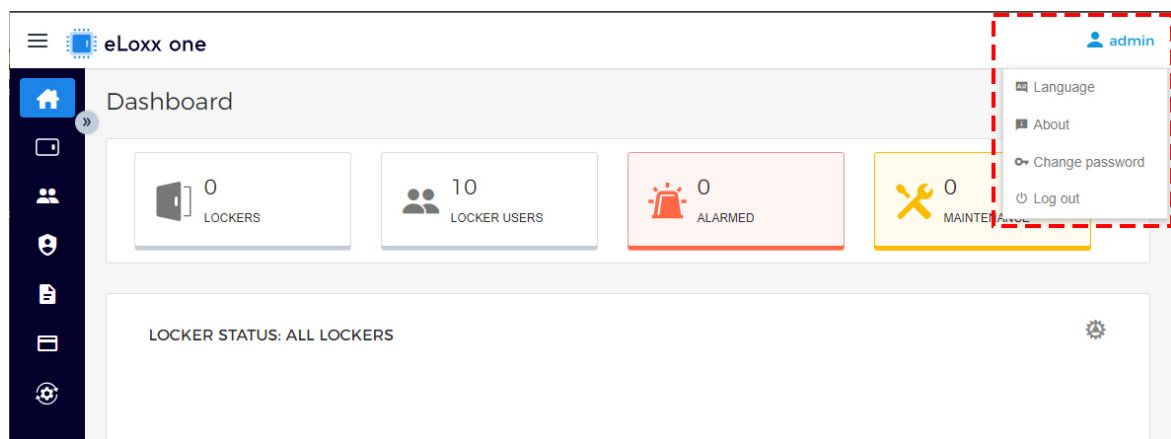
3. Enter a username and password (password requirements: min. 8 characters, min. 1 uppercase letter (A – Z), min. 1 lowercase letter (a – z), min. 1 number (0 – 9)) into the respective fields.
4. Select a role for the eLoxx one user:
 - **Manager:** This role has all available rights but cannot add or edit the locker groups, cannot create or edit the authorization groups, cannot add or edit the master cards, and cannot create or edit the automatic locker actions.
 - **User:** This role only has the right to view the "Dashboard", "Locker view", "Locker users", "Authorization groups", and "Logs" pages, but cannot add to or edit any of the information on those pages. On the "Logs" page, the User role can adjust table columns and the filters and to search for specific data.

4. USER INTERFACE

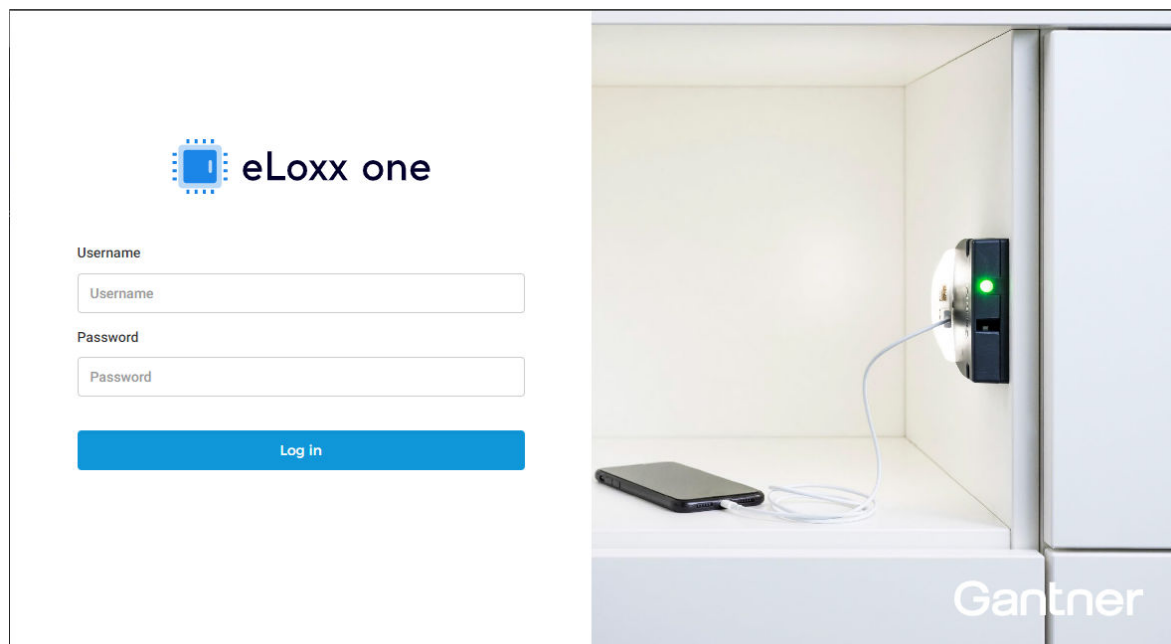
4.1. Logging in / Logging out

The login process is completed automatically after clicking on the "Open eLoxx one" button in the GC7 web interface. To maintain security, it is recommended to log out of eLoxx one when you have finished using the application.

1. To **log out** of eLoxx one, click on the username in the top-right corner and select "Log out" from the menu.



↪ The login screen is displayed.



2. To **log in** to eLoxx one, enter your username in the "USERNAME" field and your password in the "PASSWORD" field.

Note: Ensure to enter your login details correctly as the input fields are case sensitive.

- Click on the "Log in" button.

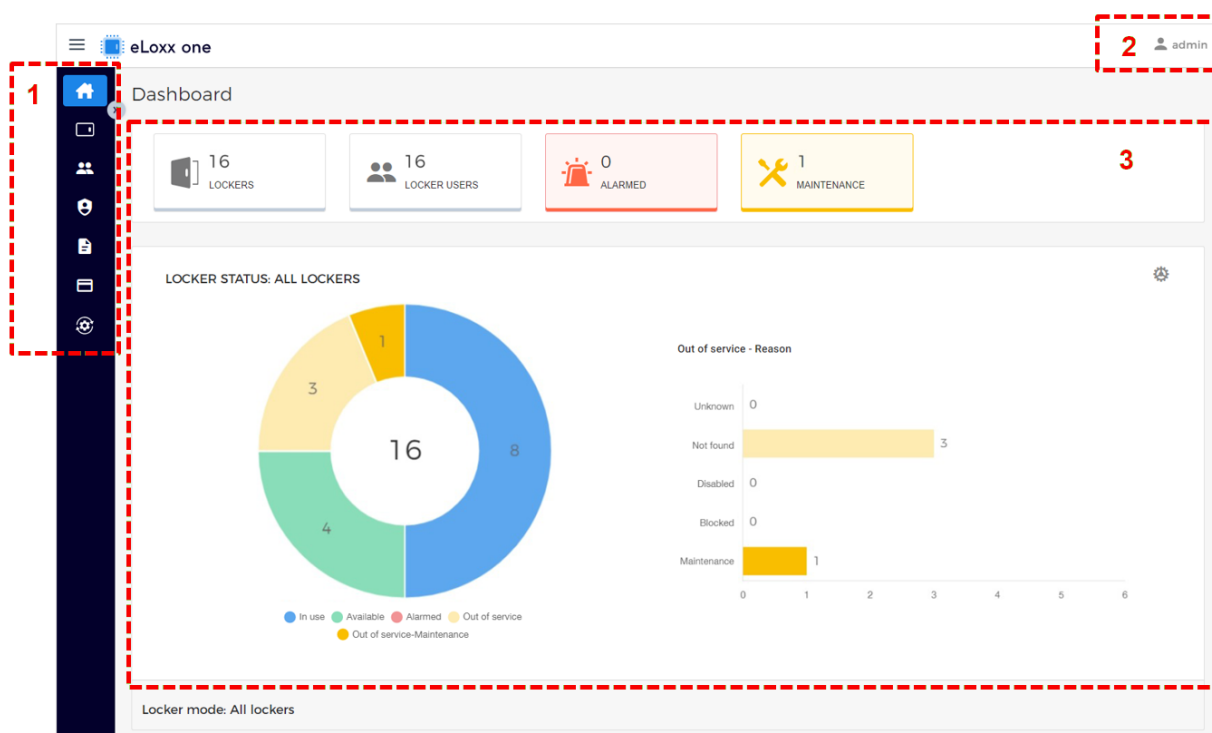


NOTICE

The login details are the same as those used to log in to the GC7 web interface and are defined in the web interface on the "Security and user" page under "Device Configuration". See chapter ["Adding operators to eLoxx one \[17\]"](#) and the GC7 manual for more information. Ensure to change the default login details after the initial login!

4.2. Interface of eLoxx one

After logging in with a username and password, a system overview is displayed.



The following areas and functions are available in the main window:

1. Menu bar:

Select the desired page from the menu.

- Dashboard:

This view is displayed after logging in and provides an overview of the locker system (usage, alarms, etc.).

- Locker view:

All lockers used in the system, divided into locker groups, are displayed here.

- Locker users:

The users of the locker system are managed here.

- *Authorization groups:*

Authorization groups can be used to control the location and number of lockers that members of the authorization group can use.

- *Logs:*

All activity in the locker system, e.g., the locking and unlocking of lockers, etc., is logged. You can evaluate the logged data here.

- *Master cards:*

Here the master cards for the system are displayed for configuration and can be enabled or disabled.

- *Automatic locker action:*

Different locker actions, e.g. the activation of maintenance mode, can be scheduled on this page to be carried out automatically.

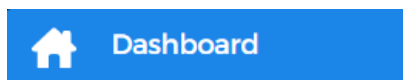
2. **User menu:**

The username of the currently logged in user is shown here. Clicking on the name opens the user menu where you can set the display language ("Language") of eLoxx one, view contact information ("About"), change the password used to log in to eLoxx one, and log out of the application ("Log out").

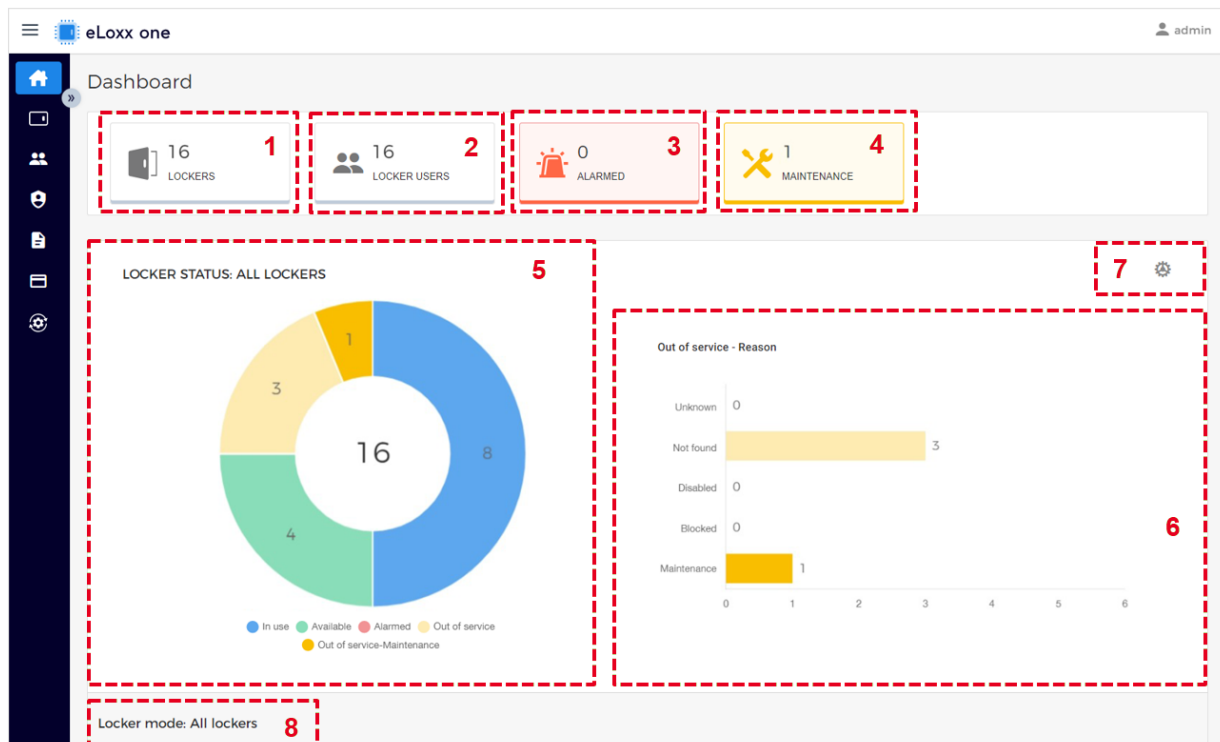
3. **Main window:**

This area displays different information depending on which page is selected via the menu bar. The pages are described in the following chapters.

4.3. Dashboard



The dashboard displays an overview of the locker system.



1. Number of lockers:

The total number of lockers defined in the system for the selected locker mode (see point 8). Clicking on this icon displays the "Locker view" page.

2. Locker users:

The total number of locker users that have been added to the system, i.e., how many people are authorized to use the lockers. Clicking on this icon displays the "Locker users" page.

3. Alarmed lockers:

Displays how many lockers currently have an active alarm that has not yet been acknowledged. Click on this icon to open the "Locker view" page where all lockers with an active alarm are displayed. Here you can deactivate the alarm and enable the locker via the "Actions" menu (see "[Displaying locker information \[32\]](#)").

4. Lockers in maintenance mode:

Number of lockers that are currently in maintenance mode (not usable). Lockers can be deactivated, e.g., for service purposes. If you click on this icon, all lockers in maintenance mode are displayed via the "Locker view" page.

5. Status overview:

This diagram displays the number of locker statuses at the current time:

- Green:

Unoccupied free lockers as well as personal lockers without a locker authorization.

- Blue:

Occupied free lockers as well as personal lockers with a locker authorization.

- Red:

Lockers with an active alarm.

- Yellow:

Lockers that are currently out of service, e.g. in case of communication interruptions or deactivated lockers.

- *Orange:*

Lockers in maintenance mode.

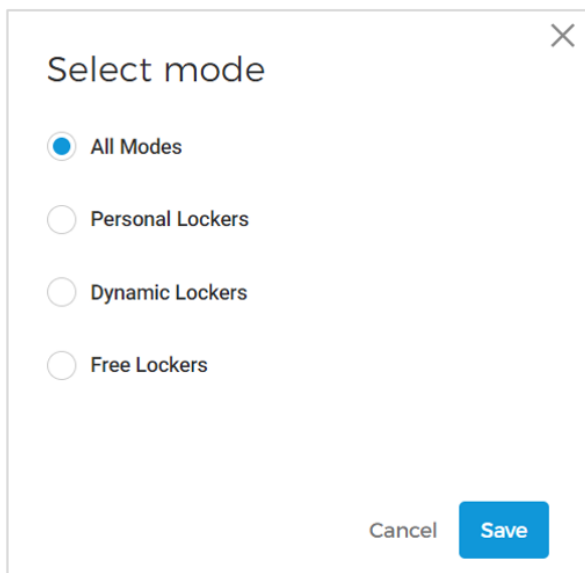
The number in the middle is the total number of available lockers (=all lockers). By clicking on a segment in the diagram, you can directly display the relevant lockers via the "Locker view" page.

6. Unusable lockers:

Here you can see the lockers that are currently out of service and the reasons for this. Possible reasons are that lockers have been manually deactivated, are blocked, or are in maintenance mode. If the connection is interrupted, these are displayed as "Unknown".

7. Locker mode selection:

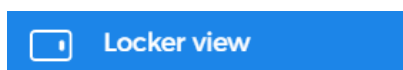
A locker mode can be selected here to display only those lockers operating in a specific mode on the dashboard. If you select, e.g., "Free Lockers", only those lockers operating in free locker mode are displayed in the "LOCKER STATUS" area (5) and the "Out of service" area (6). To display all lockers, select "All Modes".

A dialog box titled "Select mode" with a close button (X) in the top right corner. It contains four radio button options: "All Modes" (selected), "Personal Lockers", "Dynamic Lockers", and "Free Lockers". At the bottom right, there are two buttons: "Cancel" and "Save".

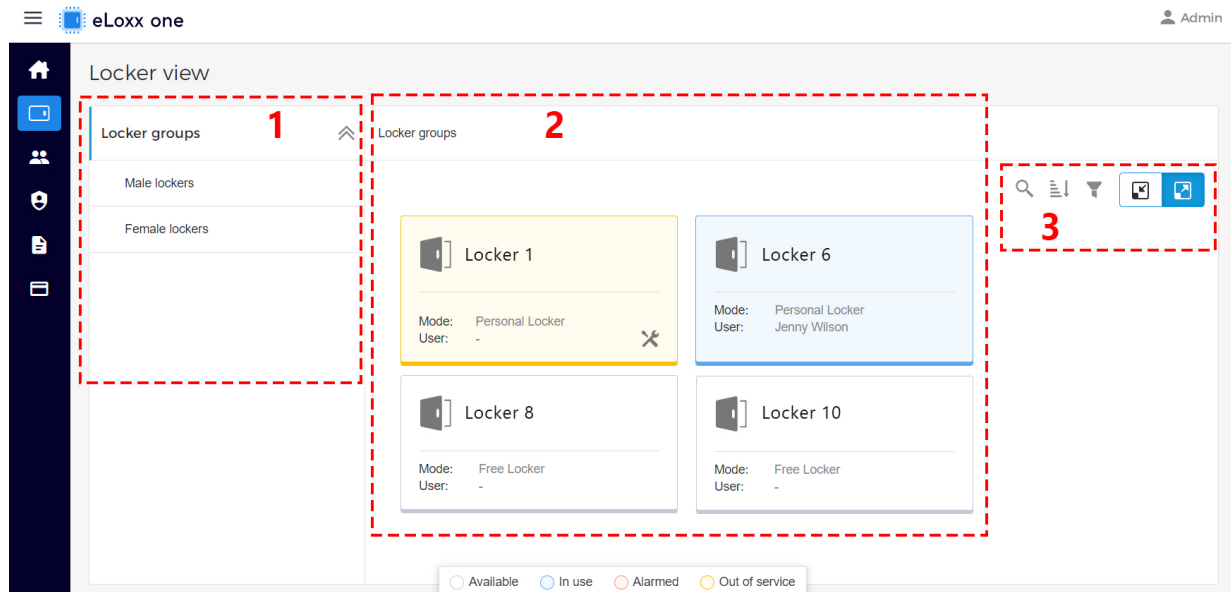
8. Locker mode display:

Here you can see the locker mode selected under (7). Only lockers with this mode are displayed in the statistics. "All lockers" means that all locker modes are displayed.

4.4. Locker View



On the "Locker view" page, each locker in the system and its current status are displayed, and certain locker actions can also be executed.



1. Locker groups, areas:

All lockers in a system are assigned to locker groups and subgroups in eLoxx one. The groups are shown in the directory tree on the left. Click on a locker group to display the assigned lockers. When you click on a locker group that has subgroups assigned to it, the lockers of the subordinate groups are also displayed.

2. Lockers:

All lockers of the selected locker group are displayed here. The locker mode is displayed for each locker (see [“What is the difference between the locker modes? \[30\]”](#) for more information).

The door status of each locker is indicated via an icon in the locker field:

- ... Locker is open.
- ... Locker is closed.
- ... Locker is locked.
- ... Status unknown.

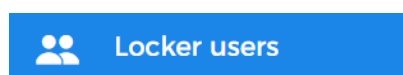
In addition, the locker status is displayed in color (also refer to the legend at the bottom of the window).

- white ... Locker is available and can be used.
- blue ... Locker is in use.
- red ... An alarm has been triggered at the locker.
- yellow ... The locker is not in operation (e.g., maintenance).

3. Search / Sort / Filter:

These options allow you to search the list for locker numbers , sort the list in ascending or descending order , or set a filter or filters to display only specific lockers, e.g., available lockers .

4.5. Locker Users



Here you can manage the users of the locker system by entering their data, assigning data carriers to the users, and defining which lockers or locker groups they are authorized to use. The following is possible:

- Lockers operating in "*free locker mode*" can be assigned to authorization groups with individual locker users assigned for specific authorization groups. This ensures that the locker users are only able to use the lockers of their respective groups.
- Lockers operating in "*personal locker mode*" can be assigned to one or more users so that only those authorized users are able to lock and unlock a specific locker. Locker users can only use the locker to which they are assigned.



NOTICE

More information regarding the various locker modes is available in chapter "[What is the difference between the locker modes? \[30\]](#)".

NAME	FIRST NAME	UIDS	LOCKERS IN USE	STATUS	IMPORTED
Acorn	Jesse	No uids assigned yet	No lockers assigned yet	ACTIVE	7
Atkins	Jason	1234	GC7_2039030053, 6	ACTIVE	✓
Johnson	Jarod	2346345	No lockers assigned yet	ACTIVE	✓
Smith	John	456783567	GC7_2039030053, 1	ACTIVE	✓
Smithson	James	No uids assigned yet	No lockers assigned yet	INACTIVE	

1. Export/Import locker users:

These buttons allow you to export the locker user data to a CSV file or to import locker users to the eLoxx one database via CSV file. For instructions on this process, see "[Adding Locker users via CSV file \[41\]](#)".

2. Add locker user:

Click on this button to add a new locker user to the system. For instructions on this process, see "[Adding locker user manually \[44\]](#)".

3. Name of the locker user:

The names of all defined locker users are listed here. By clicking on the name of a locker user, the user information page opens where you can, e.g., assign data carriers and lockers to the user.

4. UIDS:

The UID number of the data carrier(s) currently assigned to the user are shown in this column.

5. Lockers in use:

The locker(s) currently being used by the user are displayed here. Click on the locker to open the "Locker view" page with filters automatically set for the respective user (see chapter "[Locker View \[22\]](#)").

6. Status:

Here you can see at a glance whether the user is allowed (ACTIVE) or not allowed (INACTIVE) to use the locker system.

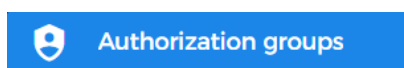
7. Imported:

A green tick in this column indicates, that the locker user was imported via CSV file.

8. Delete user:

Click on the trash can icon to delete the user from the system. All previously configured data is deleted after completing this action.

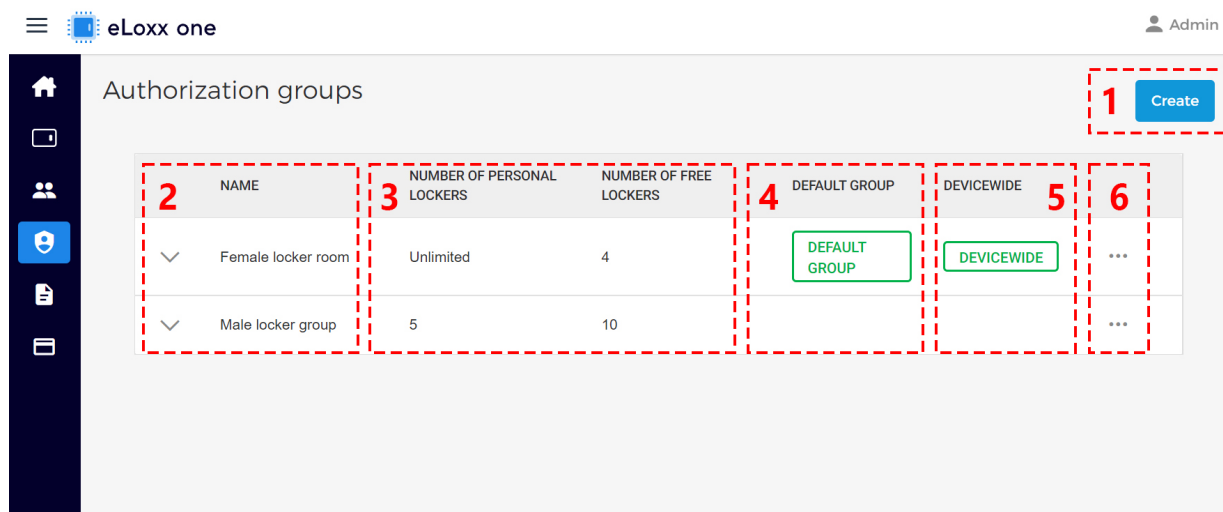
4.6. Authorization Groups



All locker users must be assigned to an authorization group (or also to several authorization groups) in order to use the lockers in the system. Authorization groups are created in eLoxx one to control in which locker groups a member of the authorization group can use lockers and how many lockers are usable be the member. Using a locker in this context means:

- the locking of a free locker by a locker user
- the assignment of a personal locker to a user.

A locker user can be assigned to multiple authorization groups. When a locker user tries to lock a free locker, or when an operator assigns a personal locker to a locker user, eLoxx one checks whether the user is assigned to any authorization groups before denying or granting the request.



1. Create:

Click on this button to create a new authorization group. For instructions on this process, see [“Defining authorization groups for locker users \[52\]”](#).

2. Name of the group:

The names of all defined authorization groups are listed here. By clicking on the name of a group, the group information page opens where you can, e.g., edit the group details and assign locker users to the group, etc.

3. Number of lockers:

The maximum number of lockers for each locker mode that the users of the authorization group are allowed to use are shown here.

4. Default group:

When an authorization group is set as a default group, every new user will automatically be assigned to this authorization group.

5. Device wide:

When an authorization group is set as a device-wide group, all locker groups controlled by the GC7 controller can be accessed.

6. Edit/Delete:

Click on the settings icon of the respective group to edit or delete the group.

4.7. Logs



All events that occur in the locker system, e.g., locker openings and closings, maintenance periods, alarms, etc., are logged by eLoxx one and are available to view here on the “Logs” page.

The screenshot shows the eLoxx one Logs page. The top bar includes the eLoxx one logo and the user 'Admin'. The sidebar contains navigation icons. The main content area is titled 'Logs' and features a table of log entries. The table has columns: TIMESTAMP, ACTION TYPE, LOCKER GROUP, LOCKER USER, LOCKER NUMBER, and DATA CARRIER. The table is filtered by 'Female lockers' and 'Jenny Wilson'. The page includes a sidebar with navigation icons and a top bar with the eLoxx one logo and user 'Admin'. Red dashed boxes and numbers 1-4 highlight specific UI elements: 1. Filter buttons (Reset Filters, Time filter, Select a locker user, Select a locker, Select a locker group, Select an event); 2. Table columns button; 3. Table body; 4. Table pagination controls.

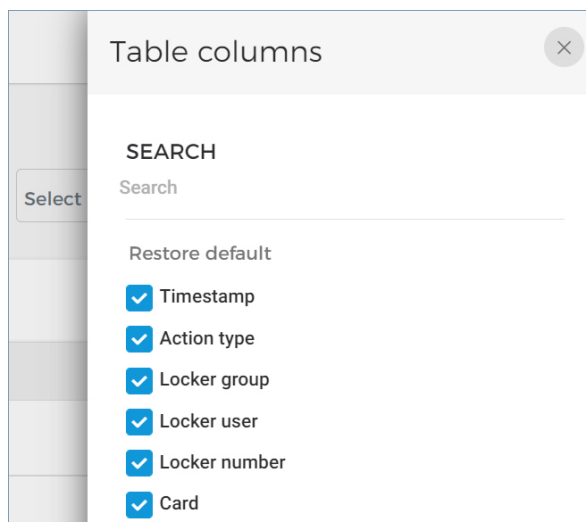
TIMESTAMP	ACTION TYPE	LOCKER GROUP	LOCKER USER	LOCKER NUMBER	DATA CARRIER
06/23/2022 02:02:17	connection state c...	Female lockers	Jenny Wilson	9	1154955408531842
06/23/2022 02:01:15	connection state c...	Female lockers	Jenny Wilson	9	1154955408531842
06/22/2022 21:59:46	connection state c...				
06/22/2022 21:58:43	connection state c...				
06/22/2022 10:07:56	configure locker				
06/22/2022 10:07:56	configure locker				

1. Table filters:

By clicking on one of these fields, you can filter the log entries based on specific criteria, e.g., events that occurred within a specific time frame or events logged for a specific user. Only those entries that meet the filter criteria are displayed.

2. Table columns:

Here you can define the columns of the table. A menu opens where you can add or delete the desired columns:



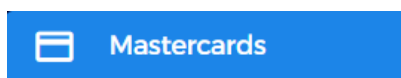
3. Log tables:

The desired page of the log can be selected here.

4. Pages:

All log entries that match the default filter criteria are displayed here.

4.8. Master Cards



Master cards are special system data carriers with extended rights (master key function). They can be used, e.g., for service purposes or to unlock a locker where the user data carrier that locked the locker has been lost.



CAUTION

Special care must be taken with master cards. Keep them in a secure place protected from unauthorized access.

On this page, the master cards that are to be used in the system can be added, edited, and deleted. You can also disable a master card, e.g., if a master card has been lost or is no longer to be used. Multiple master cards can be added on this page but only max. 10 master cards can be active at the same time.

Menu icon eLoxx one Admin

Mastercards

UID 1	DESCRIPTION	STATUS	2
2462345234	Master card 1	DISABLED	
4256245621	Master card 2	ENABLED	
87345783	Master card 3	ENABLED	
35683568	Master card 4	ENABLED	

3 Add / Edit master card

1. Available master cards:

The UID number (in decimal format), a description, and the status of all defined master cards are displayed here.

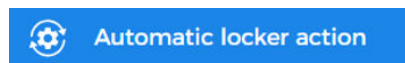
2. Delete master cards:

Click on the trash can icon to delete a master card from the system. All previously configured data is deleted after completing this action.

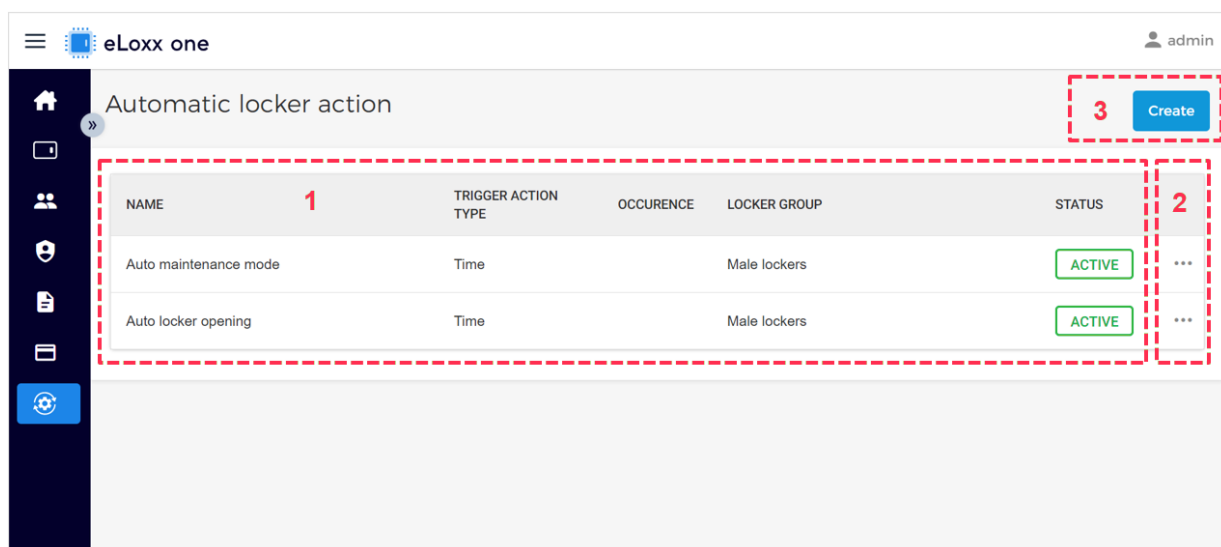
3. Add / Edit master card:

Click on this button to add new master cards or to edit the existing master cards. See chapter "[Adding and deleting master cards \[40\]](#)" for instructions on this process.

4.9. Automatic Locker Action



Automatic actions, e.g. the automatic activation of deactivation of maintenance mode or the automatic opening of lockers at a specific time, can be created for the locker system on the "Automatic locker action" page.



The following areas and functions are available in this menu:

1. **Locker actions:**

All created automatic locker actions and their status are displayed here on the main page.

2. **Edit / deactivate / delete action:**

Click on the settings icon of the respective action to edit, deactivate or delete the action.

3. **Create automatic action:**

Click on this button to define a new automatic locker action. See chapter "[Creating an automatic locker action \[38\]](#)" for instructions on this process.

5. APPLICATIONS

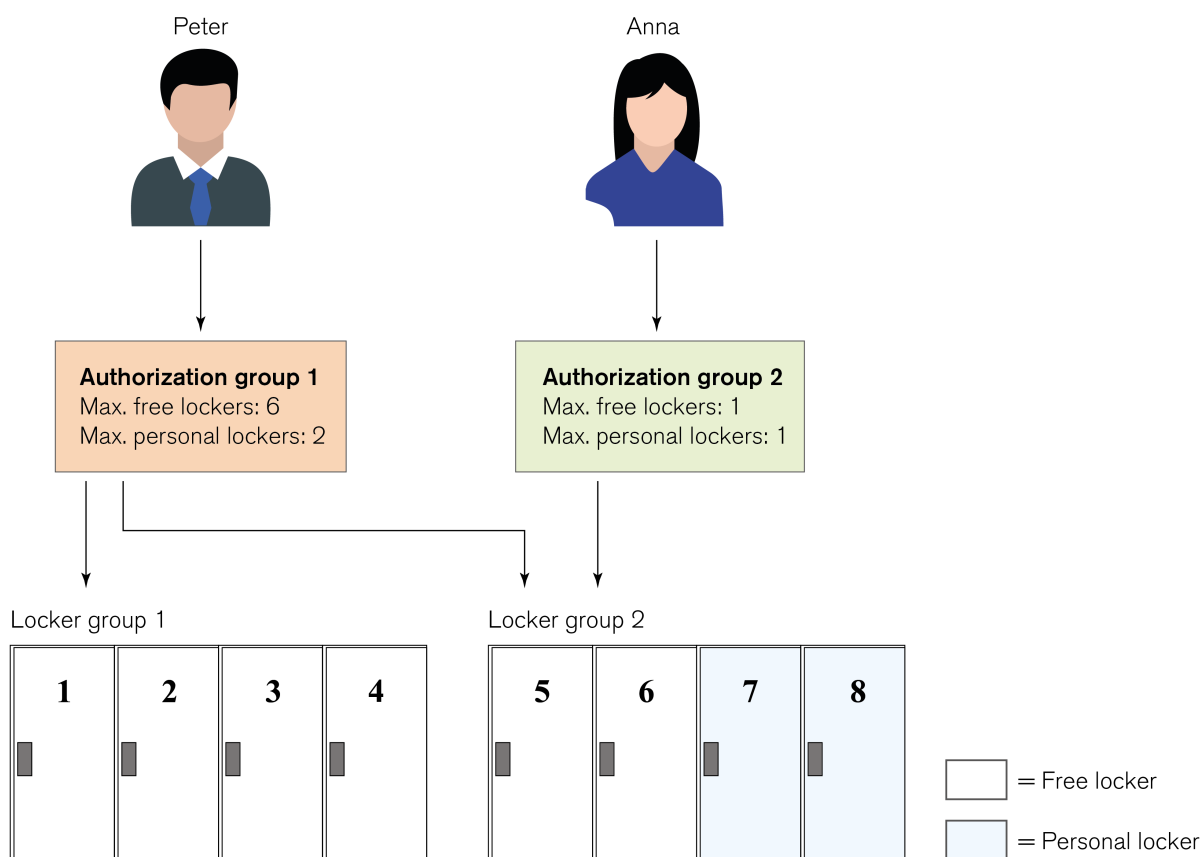
In this section you will find the information and instructions required to operate your locker system using the various configuration pages of eLoxx one as described in chapter “[User Interface \[18\]](#)”.

5.1. What is the difference between the locker modes?

Free locker

Locker users can only access free lockers if they are member of an authorization group that grants access to the locker group that contains this locker.

Figure 2. Example of free locker usage



In the example system shown in the image above two groups of lockers exist in the system. Lockers 1 to 4 are in the locker group 1 and lockers 5 to 8 are in the locker group 2. Further more lockers 1 to 6 are free lockers and lockers 7 and 8 are personal lockers. Peter is a member of authorization group 1, which grants access to both locker groups. Peter can therefore use all free lockers 1 to 6. As a member of authorization group 2, Anna may use the free lockers in locker group 2, but not the lockers in locker group 1.

The maximum number of lockers that Peter and Anna may occupy at any one time depends upon the limits set for each locker mode in the authorization group. As defined by the “max. free lockers” setting (in this example 6) for authorization group 1, Peter can lock all six free lockers simultaneously provided that they are not already occupied. If he does this and Anna wants to use a free locker in locker group 2, she must wait until Peter unlocks locker 5 or 6 before she can do so.

Personal locker

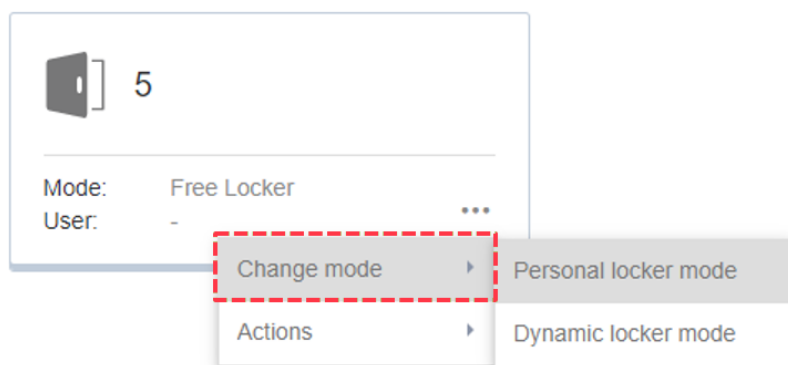
A locker in this mode can only be used by the locker users that are specifically assigned to the locker. A validity period for locker use can also be defined for the locker. Multiple users can be assigned to a personal locker, e.g., in the example system shown in the figure above, personal locker 8 has been designated as a group locker that Peter and Anna are both assigned to use. They may both lock and unlock the locker repeatedly at any time. Peter has been also assigned to use personal locker 7 so only he may lock and unlock this locker.

Dynamic locker

A locker in this mode operates in the same way as a free locker as long as it remains unoccupied. As soon as a locker user locks a dynamic locker, the locker is then automatically assigned to that locker user. From this point on, the locker operates as a personal locker for the locker user. Several dynamic lockers can also be used by the same locker user according to the limits set in the authorization group.

5.1.1. Configuring the Locker Mode

1. Locate the locker on the "Locker view" page.
2. Click on the settings icon of the respective locker and select the desired locker mode from the "Change mode" menu.



↔ The new locker mode is displayed on the "Locker view" page.

5.2. What is the Difference between Open, Closed, Locked, and Unknown?

These terms refer to the door status of each locker, which is indicated via an icon in the locker field on the "locker view" page:

-  ... Locker is open
-  ... Locker is closed
-  ... Locker is locked
-  ... Status unknown

An open locker is one where the locker door is open. The locker may be used (locked) by any locker user who is authorized to use the locker.

Closed means that the locker door has been pushed shut and is being held shut by the lock. This can be achieved, e.g., by the “auto close free locker” function that ensures the doors of the unoccupied free lockers are always closed. However, the door is not locked in this state and can be opened by any user by pressing the locker door in. The LED of the lock is green by default in this state.

Locked means that a data carrier has been used to activate the electronic lock and lock the locker door. It can only be opened again using a data carrier authorized for the locker or by a MASTER data carrier.

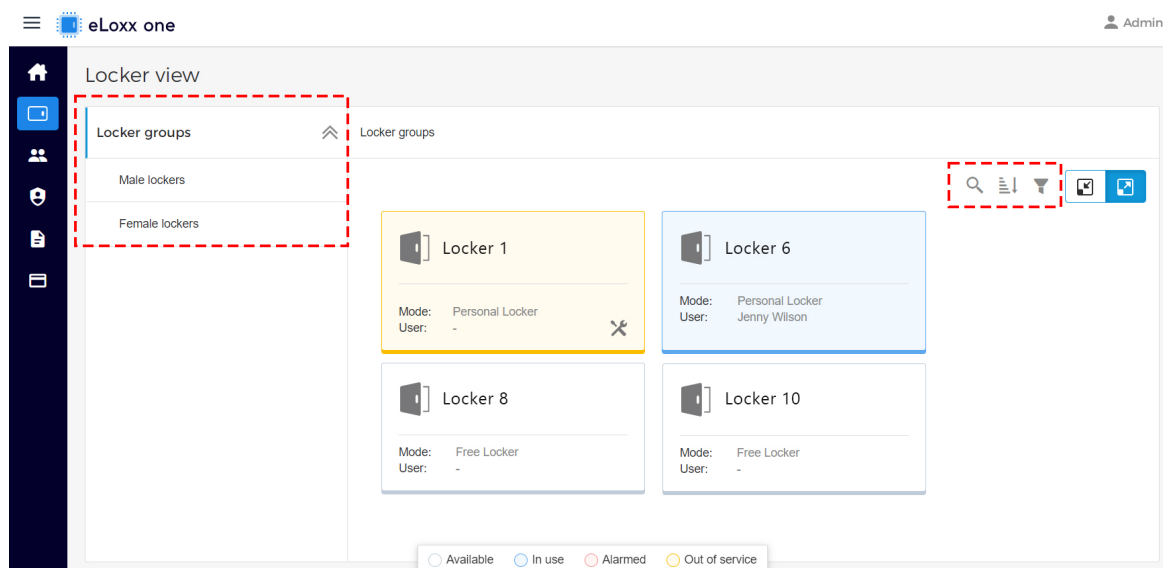
If the “push-to-open” function is enabled for a locker mode, a locked locker will initially change to the closed state after being opened remotely in eLoxx one, i.e., it is no longer locked but held shut in the closed state. After another remote opening in eLoxx one, the door springs open.

A locker that is displayed with the status “unknown” means that the lock is not communicating to the controller anymore and thus the door status (open, closed, locked) is unknown.

5.3. How can I find a specific locker?

All lockers in the system are displayed and managed on the “Locker view” page, which is accessed via the menu sidebar.

1. Open the “Locker view” page.
2. If you know the locker group that the desired locker is assigned to, click on the group in the structure tree on the left.

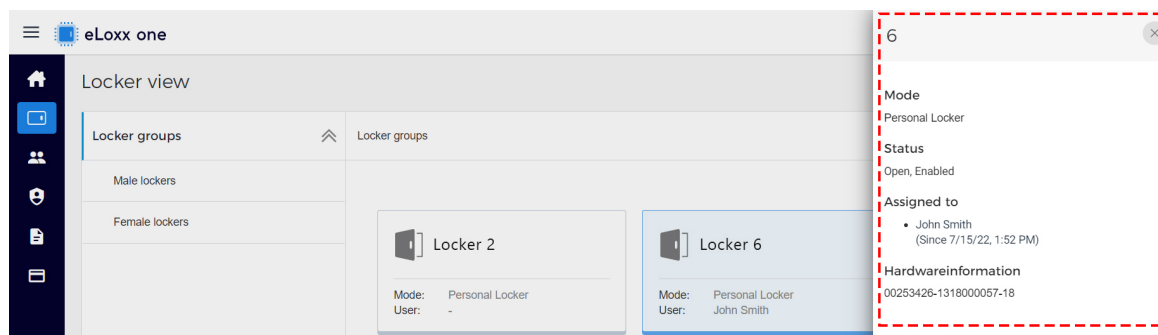


3. The lockers are sorted by locker number. By clicking on the  icon, you can reverse the order (highest locker number first).
4. If you do not know the locker group to which the locker belongs, select an area where the locker is probably located or select the “Locker groups” entry at the top of the structure tree and then click on the search icon  and enter the desired locker number.

5.4. Displaying locker information

1. Locate the locker on the “Locker view” page.
2. Click on the locker.

↪ The locker information area with details including the locker number, locker mode, and who the locker is assigned to is displayed on the right.



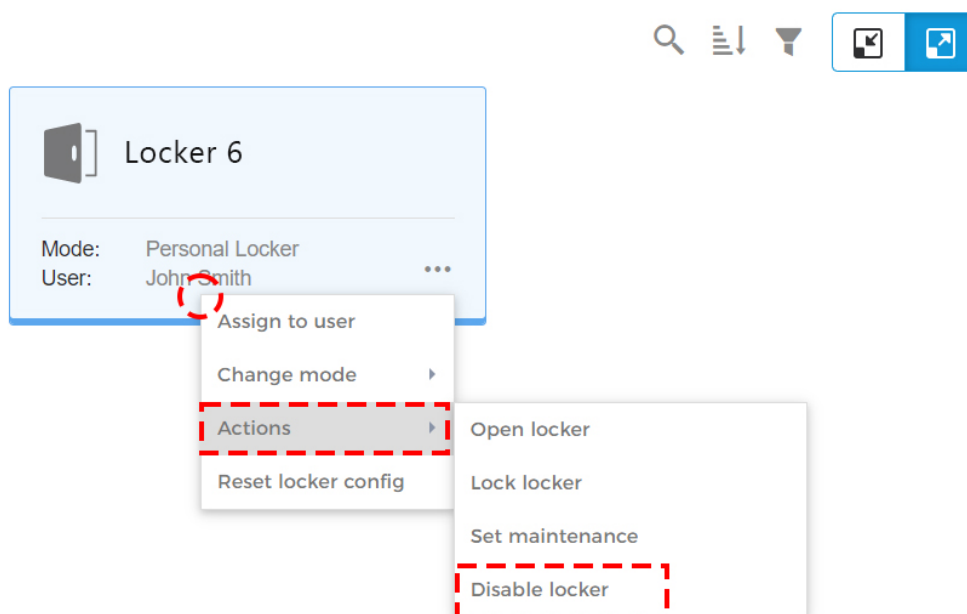
5.5. Disabling and enabling lockers



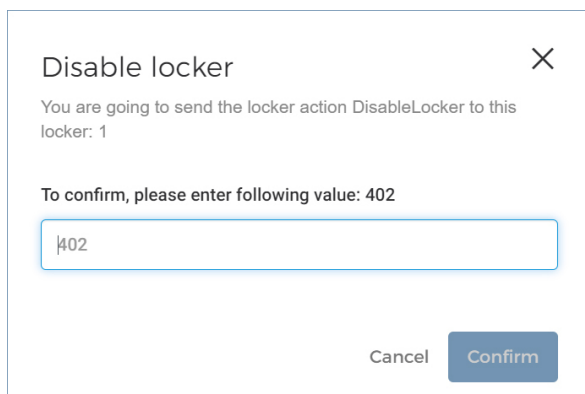
NOTICE

These actions can also be scheduled to occur automatically. See "[Creating an automatic locker action \[38\]](#)" for instructions.

1. Locate the locker on the "Locker view" page.
2. Click on the settings icon of the respective locker and select "Disable locker" from the "Actions" menu.



↪ The confirmation window opens.



Disable locker

You are going to send the locker action DisableLocker to this locker: 1

To confirm, please enter following value: 402

402

Cancel Confirm

3. Enter the displayed code number to complete the action.
↳ The locker is disabled and displayed in orange to indicate out of service. It can no longer be used until it is reactivated.
4. To enable a disabled locker, follow the same instructions as described for disabling it. Instead of "Disable Locker", the "Enable Locker" button is displayed.



NOTICE

Enabling a locker may also be necessary after an alarm. After acknowledging a locker alarm, it is deactivated and must be reactivated before it can be used again.

5.6. Using maintenance mode

Maintenance mode can be used to temporarily disable a locker so that it cannot be used. This can be useful, e.g., if the locker must be cleaned before it is used again or if a technical check is required.

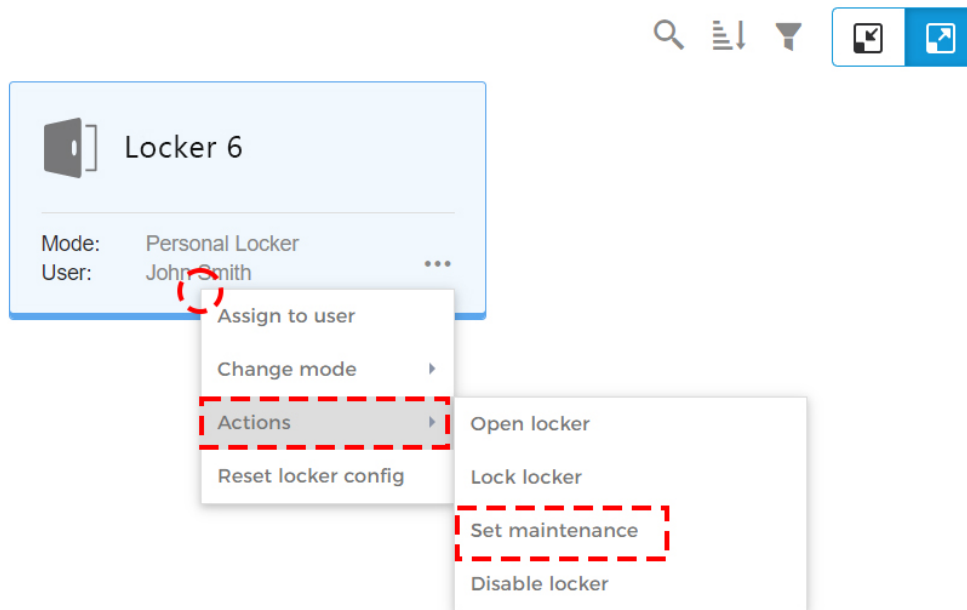


NOTICE

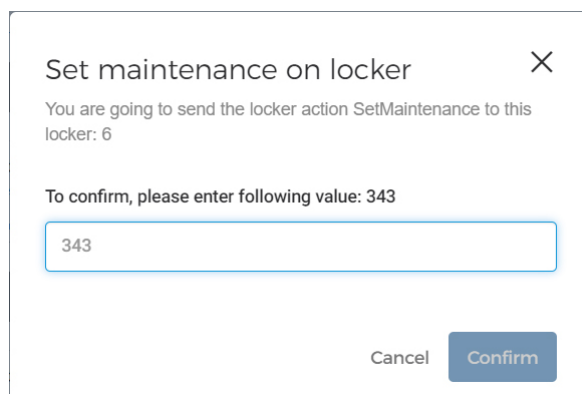
You can also schedule maintenance mode to be enabled or disabled automatically. See "[Creating an automatic locker action \[38\]](#)" for instructions.

Enabling maintenance mode

1. Locate the locker on the "Locker view" page.
2. Click on the settings icon of the respective locker and select "Set maintenance" from the "Actions" menu.



↪ The confirmation window opens.

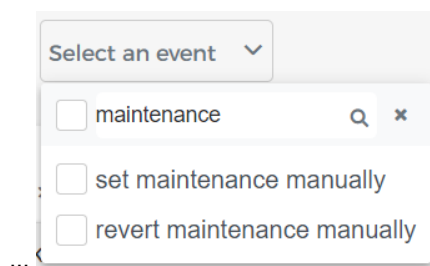


3. Enter the displayed code number to complete the action.

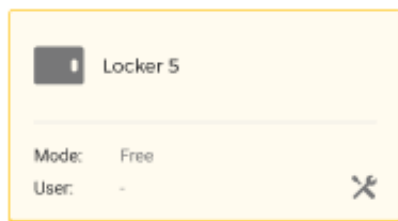
↪ The locker is disabled and set to maintenance mode.

Indication of maintenance mode

1. Lockers in maintenance mode are displayed in eLoxx one in different ways. The possibilities are ...



... on the "Logs" page by selecting a maintenance event.



... on the "Locker view" page via an icon at the bottom right.

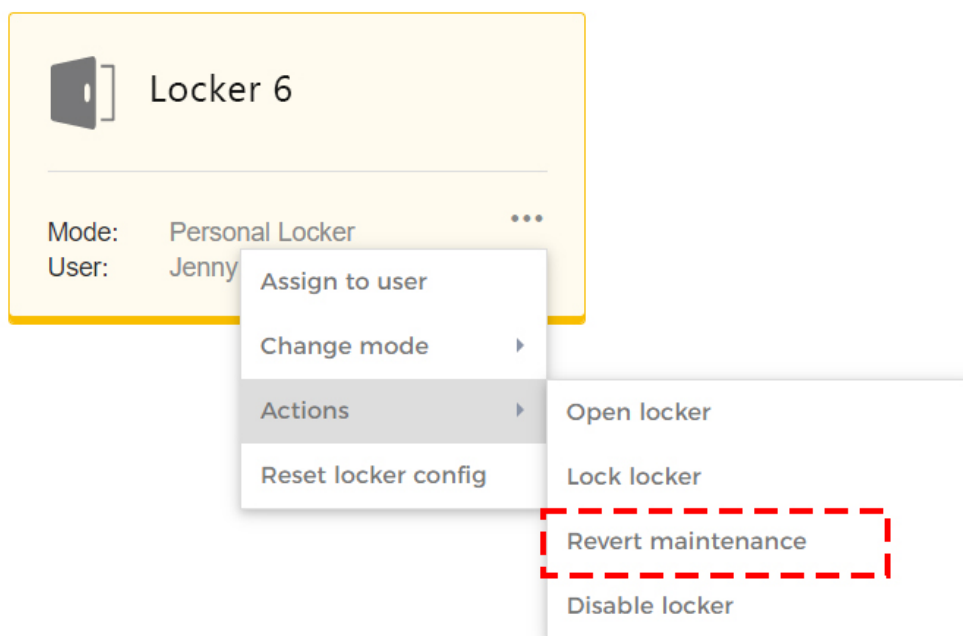


... on the "Dashboard" page via this field.

- The maintenance staff can then check and clean the locker and prepare it for further use.

Disabling maintenance mode

- Click on the settings icon of the respective locker and select "Revert maintenance" from the "Actions" menu.



- Enter the displayed code number into the confirmation window to complete the action.

↳ The locker is reset to its previous operating mode.

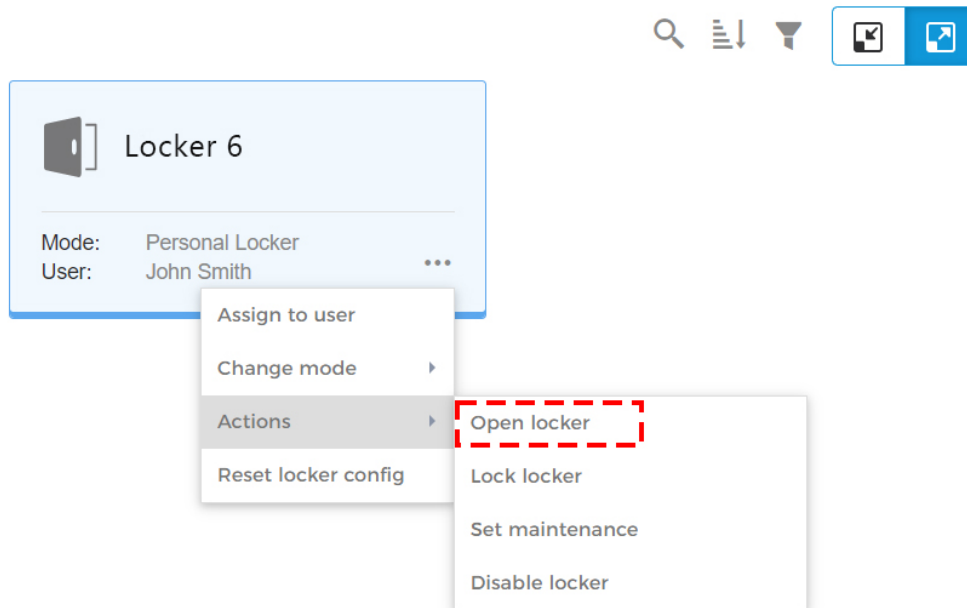
5.7. Opening a Locker

You can open a locker remotely using eLoxx one. All locker actions, including the remote opening of lockers, are recorded and available to view on the "Logs" page (see chapter "[Logs \[26\]](#)").

**NOTICE**

You can also schedule the lockers to open automatically. See "[Creating an automatic locker action \[38\]](#)" for instructions.

1. Locate the locker on the "Locker view" page.
2. Click on the settings icon of the respective locker and select "Open locker" from the "Actions" menu.



↪ The confirmation window opens.

Open locker

×

You are going to send the locker action OpenLocker to this locker: 6

To confirm, please enter following value: 492

Cancel

Confirm

3. Enter the displayed code number and click on "Confirm" to complete the action.

↪ The locker is opened.



CAUTION

Before opening, confirm the identity of the user for whom you are opening the locker. The user should be at the locker before the open command is executed as the locker door is immediately unlocked and can be opened by any person after execution.

5.8. Creating an automatic locker action

1. Open the "Automatic locker action" page.

↪ All defined locker actions are displayed.

NAME	TRIGGER ACTION TYPE	OCCURENCE	LOCKER GROUP	STATUS
Auto maintenance mode	Time		Male lockers	ACTIVE
Auto locker opening	Time		Male lockers	ACTIVE

2. Click on "Create" in the top right corner of the window.

↪ The following window is displayed.

3. Enter a name for the action (this is shown on the main page) and a description (if desired).
4. Click on "Next Step"

↪ The window for step 2 is displayed.

5. Enter the dates and times when the action is to start and end.
6. If you want the automatic action to be repeated at regular intervals, set the desired interval in the "Occurrence" field.
7. At the bottom of the window, select the type of automatic action to carry out at the defined time.
8. Click on "Next Step".

↪ The window for step 3 is displayed.

9. Select the locker group(s) for which the action will be carried out. If "Device wide" is selected, the action, e.g., the activation of maintenance mode, will be carried out for all lockers in the system at the defined time. Alternatively, the individual locker group(s) can be selected below. Select the "Subgroups included" option to include all subgroups of the locker group in the action.
10. Click on "Next Step".

↪ The window for the final step is displayed.

← Create automatic locker action

Active ☒

Details
Weekend maintenance mode

When action takes place
From 18.03.2023 12:00 Weekly

With: Select locker group(s)
Female lockers

If: Select locker modes/states
Dynamic Lockers

On which condition should an action get started
Please provide information about the locker state and configuration

Locker modes*
☐ Personal Lockers
 ☒ Dynamic Lockers
 ☐ Free Lockers

	Yes	No	Both
Locker alarmed	☐	☐	☒
Locker disabled	☐	☐	☒
Locker in use	☐	☐	☒
Locker in maintenance	☐	☐	☒

Cancel Previous Step Next Step Create

11. Select at least one locker mode for which the action will be carried out. The action will be executed for all lockers of the selected locker group(s) that are operating in the selected mode(s).
12. If necessary, define the condition(s) for activation of the locker action below. The default setting of "Both" for a condition means that the condition will be ignored.
13. Once all the settings are configured, click on "Create" to complete the process.

5.9. Adding and deleting master cards

1. Open the "Master cards" page.
↳ All defined master cards are displayed.

Mastercards

UID	DESCRIPTION	STATUS
1225235	Master card 2	ENABLED
367876867	Master card 4	ENABLED
23451235	Master card 1	ENABLED
2142344	Master card 3	ENABLED

Add / Edit master card

2. Click on the "Add / Edit master card" button.
↳ The following window is displayed.

Edit master card

Enter the master card UIDs in the following form. No more than 10 cards can be enabled at the same time!

	UID	DESCRIPTION	ENABLED	
1	<input type="text" value="1225235"/>	<input type="text" value="Master card 2"/>	☒	
2	<input type="text" value="367876867"/>	<input type="text" value="Master card 4"/>	☒	
3	<input type="text" value="23451235"/>	<input type="text" value="Master card 1"/>	☐	
4	<input type="text" value="2142344"/>	<input type="text" value="Master card 3"/>	☒	
5	<input type="text" value="Scan your ca"/>	<input type="text" value="Eg. building 1"/>	☐	

- Enter the UID number (in decimal format) of the master cards and a description (if desired) for each card into the respective fields.

Note: The UID number can be copied from the "Logs" page if the data carrier was previously read.

- Enable or disable the master cards for use via the "Enabled" switch.

Note: No more than 10 master cards can be enabled at the same time! You can however add more than 10 card numbers via the "Add master card" button.

- To delete a master card, click on the trash can icon.
- Click on "Save" to finalize the master card information.

5.10. Adding Locker users via CSV file

New locker users are added to the system and managed via the "Locker users" page. Here you can select to manually enter the details for a single user or to import the data of multiple users via CSV file.

- Open the "Locker users" page.

↪ If no lockers users have been added yet, the following screen is displayed.

- To add a single locker user, click on "Add locker user". See chapter "[Adding locker user manually \[44\]](#)" for instructions.

- To add multiple locker users via CSV file, click on "Import locker users".

↪ The window for step 1 is displayed.

- Add a valid CSV file via drag and drop or via File Explorer by clicking on "Import CSV file". A valid CSV file is indicated by a green tick symbol next to step 1 after uploading.

NOTE! Requirements for the CSV file:

An example of the data columns and data that the CSV file may contain is as follows:

UserID	Name	FirstName	IsEnabled	Comment	CardUID	...
1	Smith	John	true	VIP	12345678	...

...	ValidFrom	ValidUntil	Description	LockerGroup	Locker	AuthorizationGroup
...			CEO	Building 1	78	Group 1

- All data columns must be written exactly as defined above (case sensitive and without spaces).
 - Only the "UserID" column is mandatory; all other data columns are optional.
 - The "UserID" is the unique ID to identify a locker user. The "UserID" is required in every row of the import file to identify the user and link them to the other data of the file
 - Format of UserID: decimal
 - An error message is displayed if the "UserID" is empty or not a number.
 - A warning message is displayed, if any of the "UserID" numbers of the CSV file are already assigned to a locker user in eLoxx one. In this case, a message is displayed to confirm whether all the manually created users should be updated or deleted according to the import options.
 - If the "ValidFrom" and "ValidUntil" columns are empty, unlimited validity is active.
 - If the optional data columns are included in the CSV file, these will be added to the eLoxx one database. If the optional data columns are empty (or invalid) and the database has no corresponding data, the default values will be added to the eLoxx one database. If the CSV file includes valid optional data and there are corresponding data in the database, the database will be updated with the new values.
- Click on "Next Step".

↪ The window for step 2 is displayed.

The screenshot shows the 'Import locker users' screen in the eLoxx one application. The interface includes a sidebar with navigation icons, a main content area with a progress bar, and a 'Select file' section with a file named 'eLoxxone_lockerusers_CS V_export (1).csv'. The 'Import options' section is active, showing three radio button options: 'Delete before import', 'Update and delete existing', and 'Update existing'. The 'Update existing' option is selected. At the bottom, there are 'Cancel' and 'Confirm import' buttons.

6. Select one of the following import options:

- *Delete before import:*

Before the import is executed, all users and their assigned authorizations in the eLoxx one database are deleted.

NOTE! All users previously created manually in eLoxx one are deleted with this option!

- *Update and delete existing:*

Selecting this option will update the eLoxx one database based on the data contained in the CSV file. If a locker user is no longer included in the CSV file, the user and their data will be deleted from the eLoxx one database.

NOTE! All users previously created manually in eLoxx one are deleted, if there is no corresponding UserID in the CSV file!

Changes to the user data in the CSV file (i.e., Name, FirstName, IsEnabled, Comment, CardUID, ValidFrom / ValidUntil) will be transferred to the database. If there are no locker or authorization group assignments in the CSV file, the current data in the database will be kept. If there are assignment data in the CSV file, the data in the database will be overwritten with the imported data.

- *Update existing:*

Selecting this option will update the eLoxx one database based on the new data contained in the CSV file. However, if a locker user is no longer included in the CSV file, the user and their data will remain in the database.

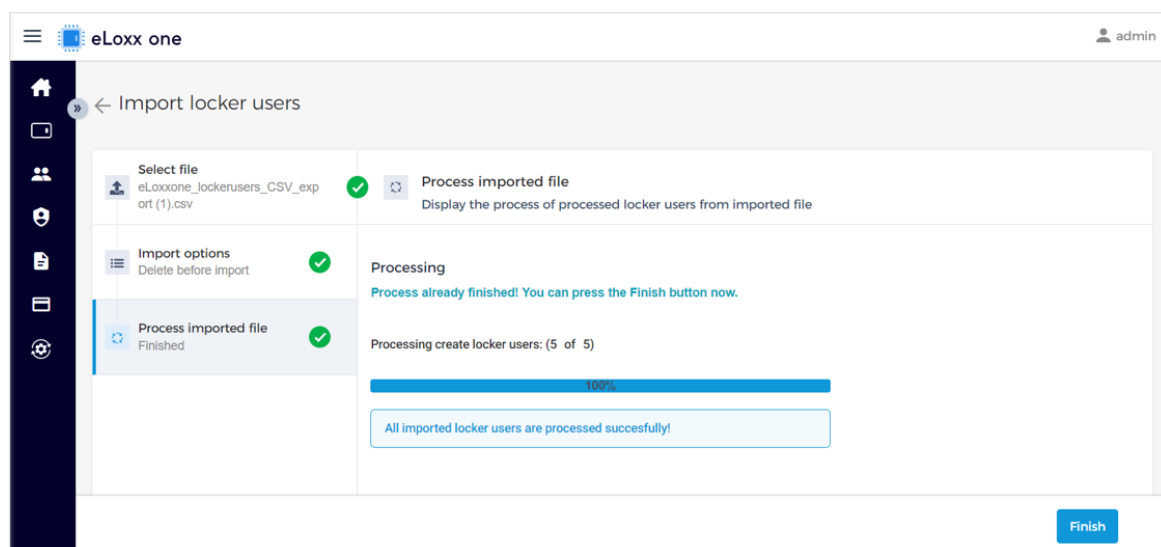
NOTE! No users are deleted with this option.

Changes to the user data in the CSV file (i.e., Name, FirstName, IsEnabled, Comment, CardUID, ValidFrom / ValidUntil) will be transferred to the database.

If there are no locker or authorization group assignments in the CSV file, the current data in the database will be kept. If there are assignment data in the CSV file, the data in the database will be overwritten with the imported data.

7. Click on "Confirm import".

↪ The processing window is displayed.



8. After the imported file has been processed (green tick), click on "Finish".

↪ The imported locker users are displayed on the "Locker users" page. A green tick in the "IMPORTED" column indicates that the locker user was added via CSV file.

The screenshot shows the 'Locker users' page with 10 users. The table below lists the first three users. The 'IMPORTED' column has green ticks for users Atkins and Smith, indicating they were added via CSV file.

NAME	FIRST NAME	UIDS	LOCKERS IN USE	STATUS	IMPORTED
Acorn	Jesse	No uids assigned yet		ACTIVE	
Atkins	Jason	1234		ACTIVE	✓
Smith	John	456783567		ACTIVE	✓



NOTICE

Click on "Export locker users" to export all current locker users and their data from the eLoxx one database to a CSV file.

5.11. Adding locker user manually

New locker users are added to the system and managed via the "Locker users" page.

1. Open the "Locker users" page.

↪ All defined locker users are displayed.

The screenshot shows the 'Locker users' management page in the eLoxx one application. The page title is 'Locker users' with a user count of 5. There are three buttons at the top right: 'Export locker users', 'Import locker users', and 'Add locker user' (highlighted with a red dashed box). Below the buttons is a table of users:

NAME	FIRST NAME	UIDS	LOCKERS IN USE	STATUS	IMPORTED
Atkins	Jason	1234		ACTIVE	
Smith	John	456783567		ACTIVE	
Stephenson	Jeremy	2346345		ACTIVE	
Wilson	Jenny	54321		ACTIVE	
Wong	Jeff	234613465134		ACTIVE	

- Click on the "Add locker user" button.

↪ The user information window opens.

The 'Add user' dialog box is shown. It has the following fields and values:

- Name***: Stephenson
- First name**: Jeremy
- Remark**: Our best VIP member
- User ID**: 634789

At the bottom, there are 'Cancel' and 'Save' buttons.

- Enter the first and last name of the user into the respective fields. You can also enter a remark for the user if desired and a User ID, which is used to identify a locker user.
- Click on "Save" to complete the process.

↪ The new user is added to the list of locker users.



NOTICE

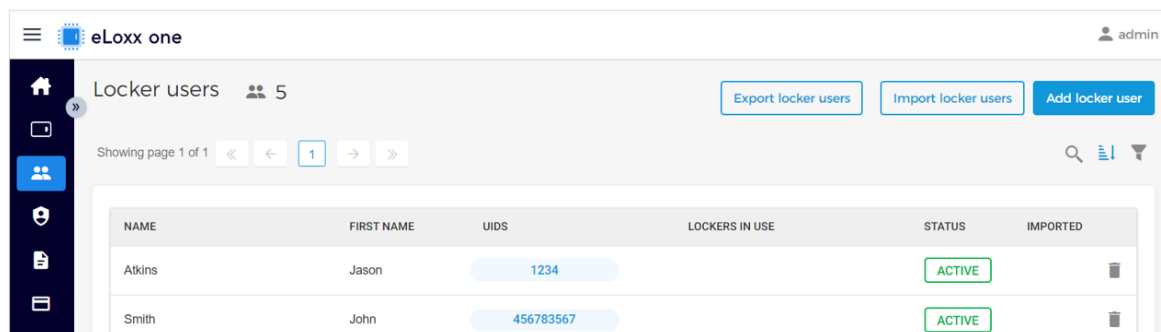
You can now assign data carriers (see "[Assigning data carriers to a locker user \[47\]](#)"), lockers (see "[Assigning lockers to a locker user \[49\]](#)"), and authorization groups (see "[Assigning authorization groups to a locker user \[54\]](#)") to the user.

5.12. Deactivating and reactivating locker users

If you want to remove the authorization for a user to use the lockers, complete the following steps:

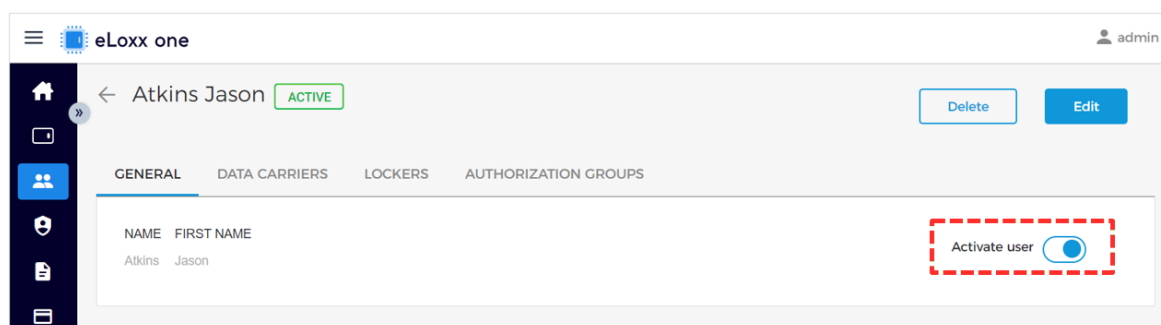
1. Open the "Locker users" page.

↪ All defined locker users are displayed.



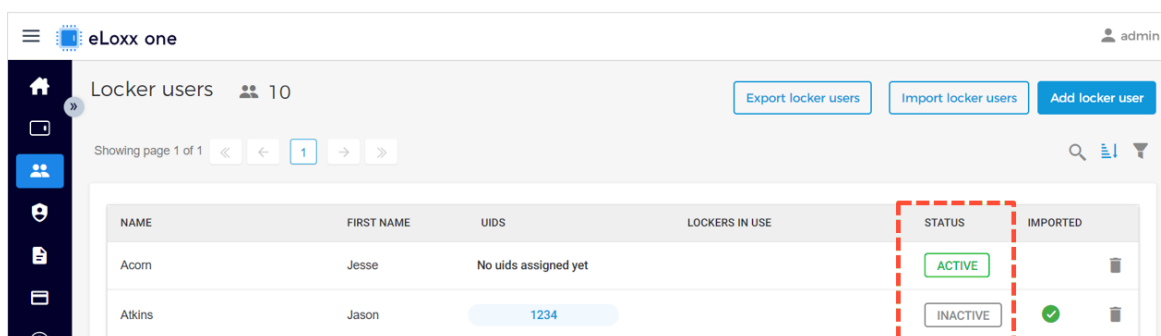
2. Click on the desired user in the list.

↪ The user information window is displayed.



3. Toggle the "Activate user" switch to allow or disallow the user from using the locker system.
4. Click on "Yes" in the configuration window to complete the action.

↪ The "STATUS" column shows which users are currently active or inactive.



↪ Deactivated users are no longer authorized to use the lockers. The assigned personal lockers can also no longer be used.

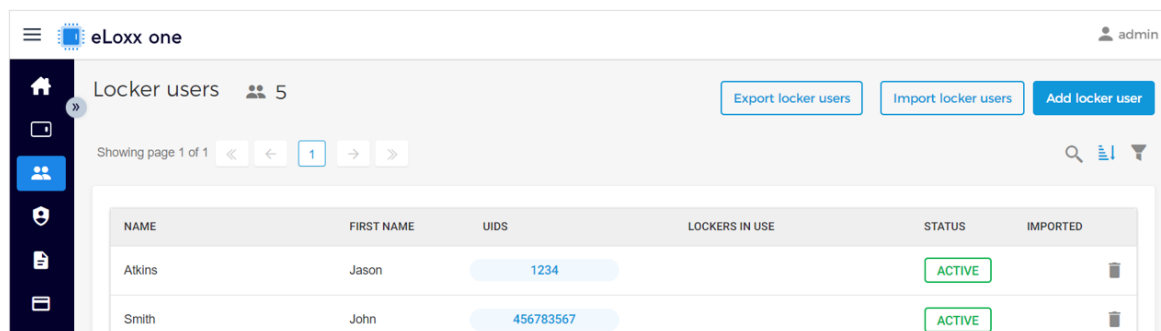
↪ If a locker is still being used by the user (locked), the user can no longer open this locker. The locker can be opened, e.g., using a MASTER data carrier.

5.13. Assigning data carriers to a locker user

Multiple data carriers can be assigned to each locker user. The permissions of the authorization group(s) that the locker user is assigned to apply to all data carriers of a locker user.

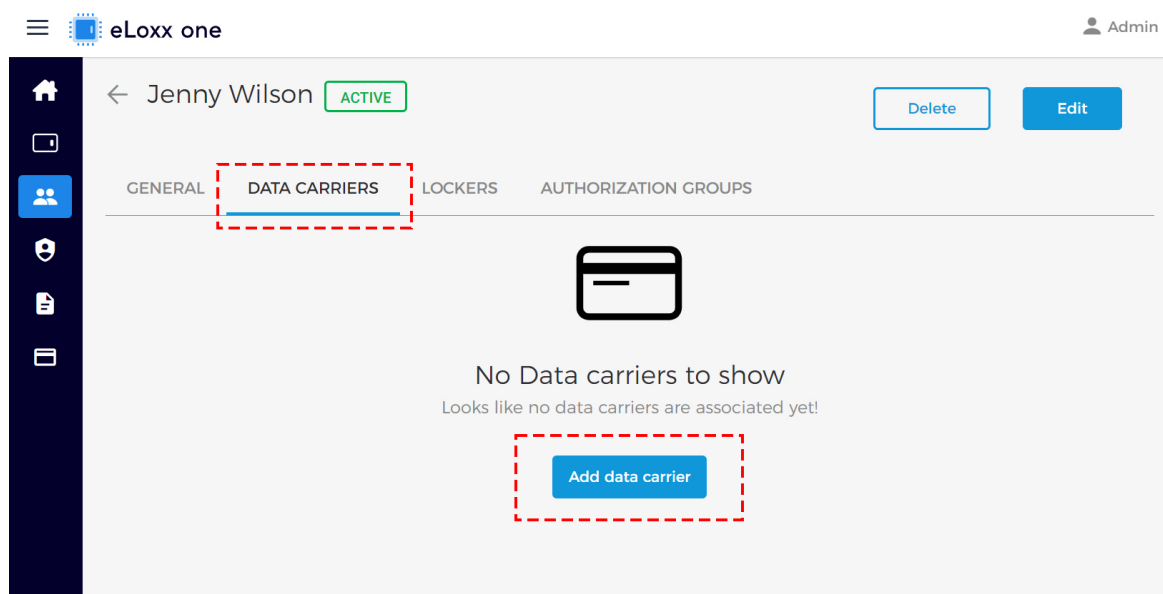
1. Open the "Locker users" page.

↪ All defined locker users are displayed.



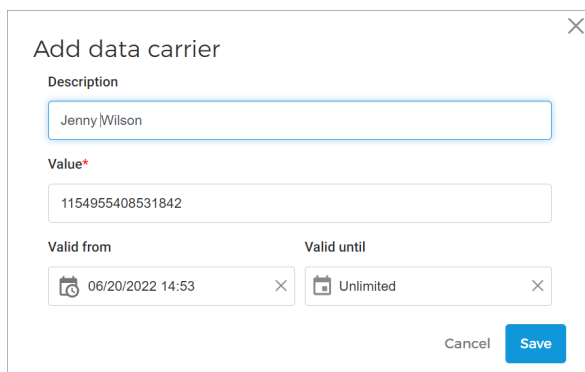
2. Click on the desired user in the list.

↪ The user information window opens.



3. Switch to the "DATA CARRIERS" tab, and then click on "Add data carrier".

↪ The following window opens.



Add data carrier

Description
Jenny Wilson

Value*
1154955408531842

Valid from
06/20/2022 14:53

Valid until
Unlimited

Cancel Save

- Enter the data carrier number (in decimal format) into the "Value" field (this field is required).

NOTE! The UID number can be copied from the "Logs" page if the data carrier was previously read.

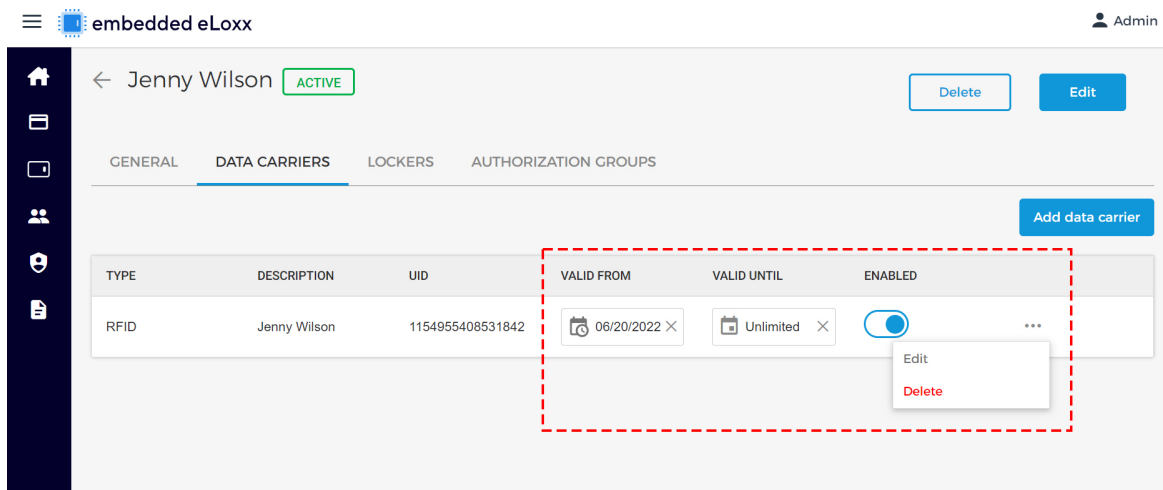


NOTICE

A GAT NET.Writer can be used to read the UID from the data carrier and enter it automatically into the field. See the GAT NET.Writer manual for instructions.

- A relevant description (e.g., an internal number or other identifier) can be entered for the data carrier.
- The default validity period for the data carrier can be changed via the "Valid from" and "Valid until" fields.
- Click on "Save" to complete the process.

↪ The new data carrier is assigned to the locker user and shown on their "Data Carriers" tab.



embedded eLoxx Admin

← Jenny Wilson ACTIVE Delete Edit

GENERAL DATA CARRIERS LOCKERS AUTHORIZATION GROUPS

Add data carrier

TYPE	DESCRIPTION	UID	VALID FROM	VALID UNTIL	ENABLED	
RFID	Jenny Wilson	1154955408531842	06/20/2022	Unlimited	☒	...

Edit Delete

- The validity period of the data carrier can be adjusted directly on this page. The data carrier can also be enabled or disabled via the "ENABLED" switch.
- To change other details, e.g., the UID number, or to delete the data carrier, click on the settings symbol (...) and select "Edit" or "Delete" from the menu.
- Multiple data carriers can be assigned to each user by clicking on "Add data carrier" and completing the process again.

5.14. Assigning lockers to a locker user

This can be done in two ways. You can either assign a locker:

- directly to a user on the "Locker users" page, or
- to multiple users via the "Locker view" page.

5.14.1. Assigning lockers via the "Locker users" page

1. Open the "Locker users" page.

↪ All defined locker users are displayed.

NAME	FIRST NAME	UIDS	LOCKERS IN USE	STATUS	IMPORTED
Acorn	Jesse	No uids assigned yet	No lockers assigned yet	ACTIVE	
Atkins	Jason	1234	GC7_2039030053, 6	ACTIVE	✓
Johnson	Jarod	2346345	No lockers assigned yet	ACTIVE	✓

2. Click on the desired user in the list.

↪ The user information window opens.

← Jenny Wilson ACTIVE Delete Edit

GENERAL DATA CARRIERS **LOCKERS** AUTHORIZATION GROUPS

No lockers to show
Looks like no locks are assigned / occupied yet!

Assign lockers

3. Switch to the "LOCKERS" tab, and then click on "Assign lockers".

↪ A list of all available lockers is displayed. Only those lockers that have been set to personal locker mode can be assigned to locker users.

Assign lockers

?Assign lockers to Jenny Wilson

Q

☐	LOCKER NAME	LOCKER GROUP	ASSIGNED TO	DURATION
☐	1	GC7_2039030053		Unlimited X
☐	6	GC7_2039030053		Unlimited X

Cancel Assign

- Select the locker(s) to assign to the user via the check box and define a validity period for locker use if desired.
- Click on "Assign".

↪ The locker(s) assigned to the user are displayed on the "LOCKERS" tab and on the "Locker users" page.

eLoxx one admin

Locker users 10

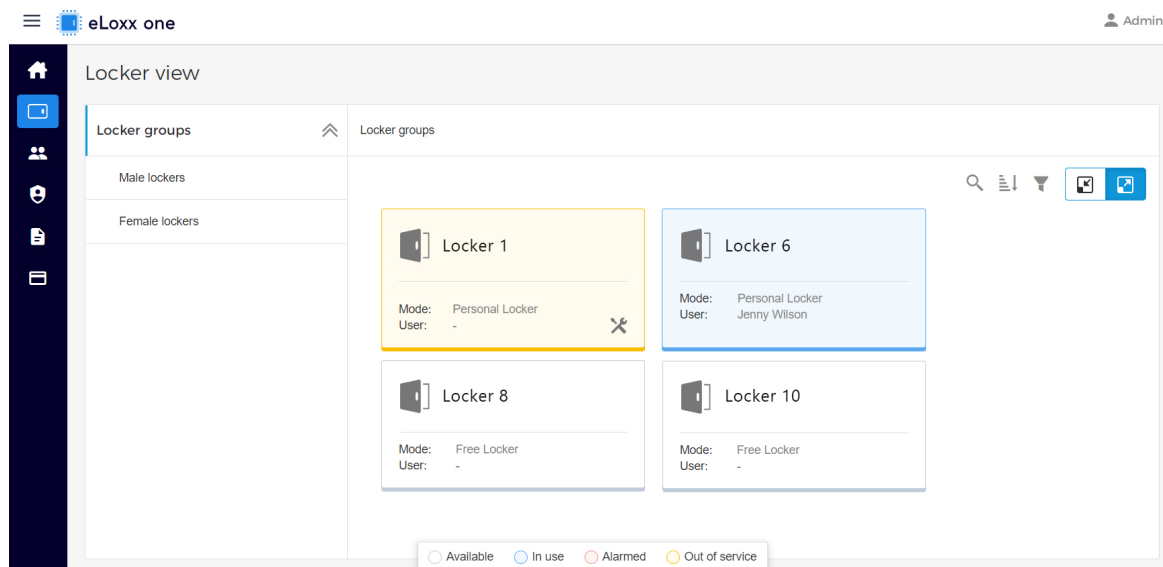
Export locker users Import locker users Add locker user

Showing page 1 of 1

NAME	FIRST NAME	UIDS	LOCKERS IN USE	STATUS	IMPORTED
Acorn	Jesse	No uids assigned yet	No lockers assigned yet	ACTIVE	
Atkins	Jason	1234	GC7_2039030053, 6	ACTIVE	
Johnson	Jarod	2346345	No lockers assigned yet	ACTIVE	

5.14.2. Assigning lockers via the "Locker view" page

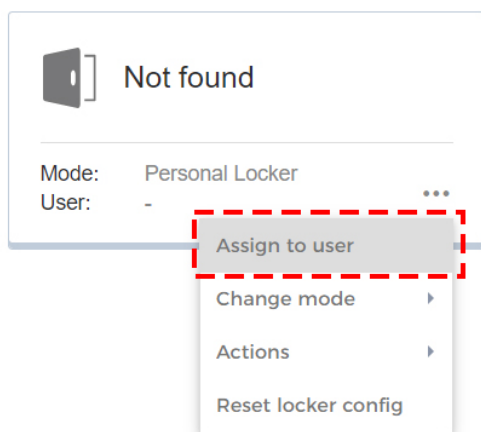
- Open the "Locker view" page.



NOTICE

The mode for each locker is displayed here. In order to be assigned to locker user(s), the locker must be operating in personal locker mode. See chapter [“Configuring the Locker Mode \[31\]”](#) for instructions.

2. Click on the settings icon of the respective locker and select "Assign to user" from the "Actions" menu.



↳ The “Assign user” window opens in which all available locker users are displayed.

Assign user

Assign user to 6

Q

☐	USERS	ASSIGNED LOCKERS	ASSIGNED UNTIL
☒	Jenny Wilson	No lockers assigned yet	Unlimited
☐	John Smith	No lockers assigned yet	Unlimited
☒	Jessica Atkins	No lockers assigned yet	Unlimited
☐	June Roberts	No lockers assigned yet	Unlimited
☐	Jeremy Stephenson	No lockers assigned yet	Unlimited

Cancel **Assign**

3. Select the locker user(s) to assign to the locker and define a validity period for locker use if desired.
4. Confirm by clicking on "Assign".

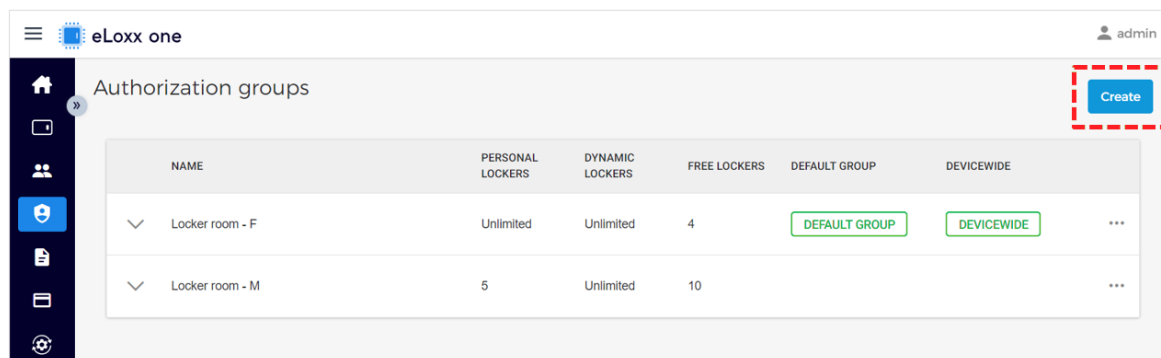
The locker is displayed on the "Locker view" page with a blue background and the name(s) of the assigned user(s).

Locker groups	Locker groups
Male lockers	
Female lockers	
	<div> Locker 1 <div> Mode: Personal Locker User: - </div> </div> <div> Locker 6 <div> Mode: Personal Locker User: Jenny Wilson </div> </div>

5.15. Defining authorization groups for locker users

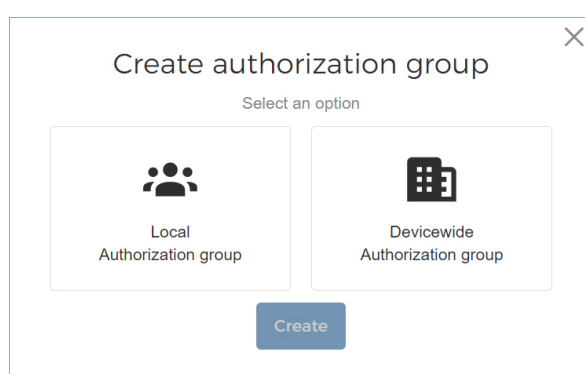
A locker user can be assigned to multiple authorization groups. In order to use a specific locker, the locker user must be assigned to an authorization group that grants access to this locker. When a locker user attempts to lock a free locker or when an operator assigns a personal locker to a locker user, eLoxx one checks whether the user is assigned to any authorization groups that grant access to this locker before denying or granting the request.

1. Open the "Authorization groups" page.
 - ↪ All defined authorization groups are displayed.



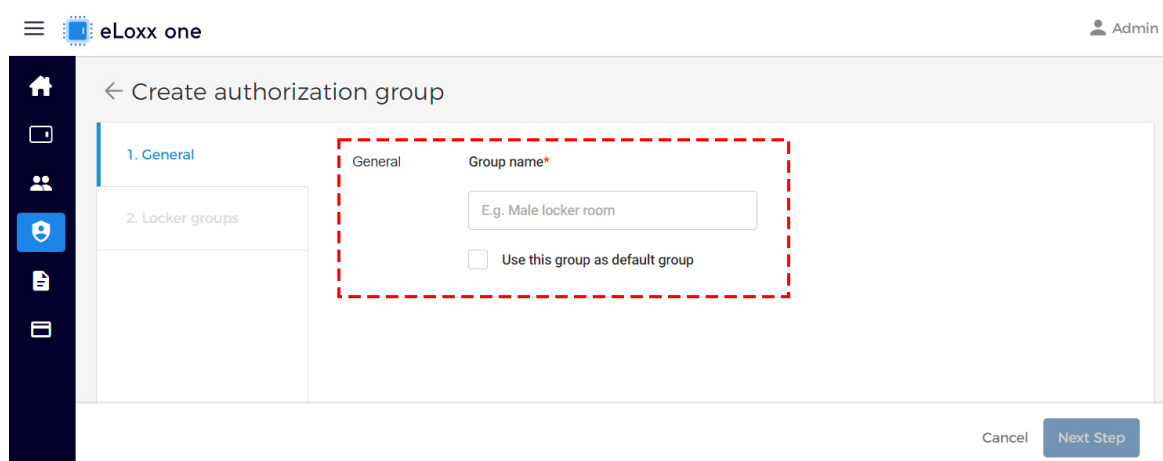
- Click on "Create".

↳ The following window opens.



- Select the type of authorization group. When an authorization group is set as a device-wide group, all locker groups of the GC7 controller can be accessed. Alternatively, select "Local authorization group" to restrict access to a specific locker group or groups.

↳ The following window is displayed.



- Enter a name for the authorization group, e.g., Male locker room.
- If desired, enable the "Use this group as default group" option. When an authorization group is set as a default group, every new locker user added to the system is automatically assigned to this authorization group. Multiple authorization groups can be set as the default group at the same time.
- Click on "Next Step".

↳ The following window is displayed.

7. Select the locker groups that the members of the authorization group are allowed to use. To do so, click on the “Locker group” field to open the locker group selection window. Additional locker groups can be added via the “Add locker group” button.
8. If you want to include all subgroups of the main locker group in the authorization group, enable the “Subgroups included” option.
9. For each locker mode of the locker group, select the number of lockers that the members of the authorization group are allowed to use. For example, if 3 is entered in the “Free locker” field, the users assigned to this authorization group can occupy up to 3 lockers in free locker mode simultaneously. The default values for allowed lockers per mode is 0.
10. Optional step: Select the “Add group locker limits” setting to define a total locker limit for all locker groups assigned to this authorization group.

Example:

In the “Employee” authorization group, employees are allowed to have 1 free locker in the locker group “Male changing room” and 1 free locker in the group “Female changing room”. A total locker limit of 1 free locker is set for the authorization group.

These settings allow the employees to occupy either one free locker in the male changing room or one free locker in the female changing room.

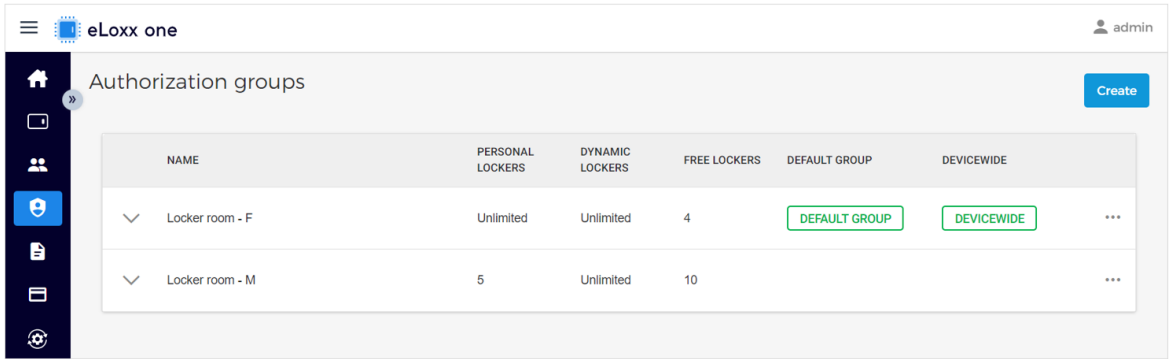
5.16. Assigning authorization groups to a locker user

After an authorization group has been created (see chapter “[Defining authorization groups for locker users \[52\]](#)”), locker users can be assigned to the group by one of the following two ways:

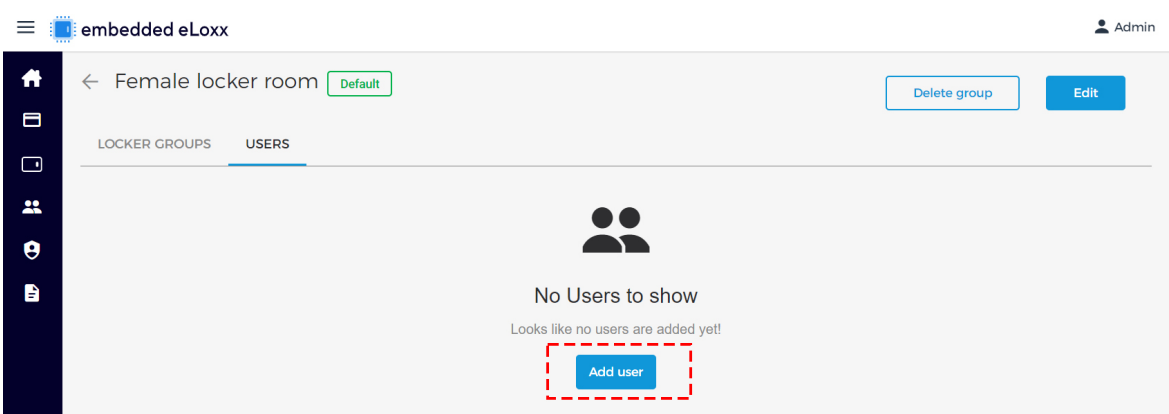
- to multiple users via the “Authorization groups” page, or
- to a single user via the “Locker users” page.

5.16.1. Assigning authorization groups via the "Authorization groups" page

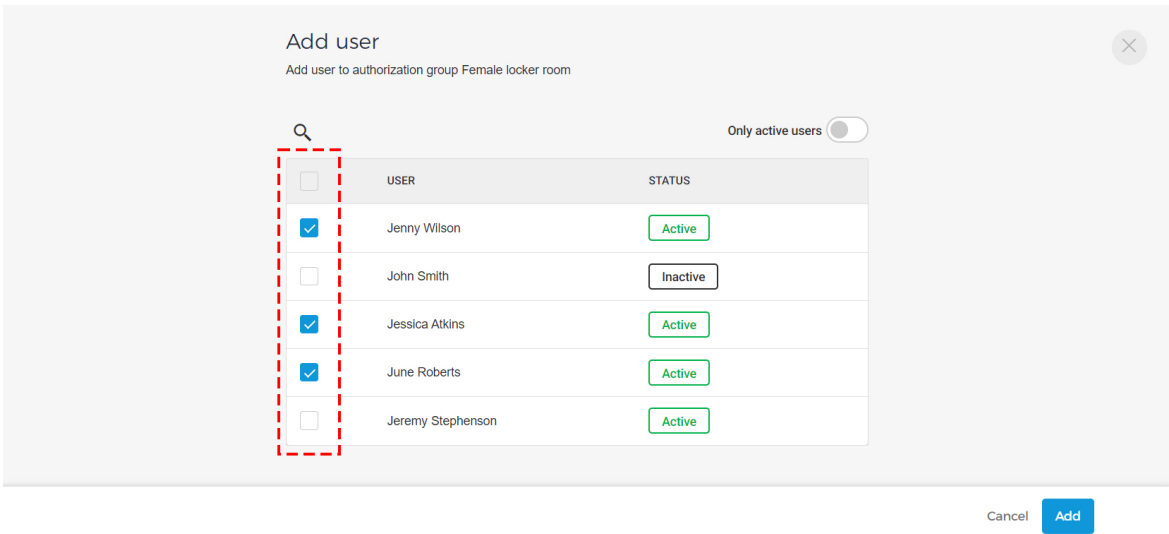
- 1. Open the "Authorization groups" page.
↳ All defined authorization groups are displayed.



- 2. Click on the desired group and switch to the "LOCKER USERS" tab.
↳ The following windows is displayed.

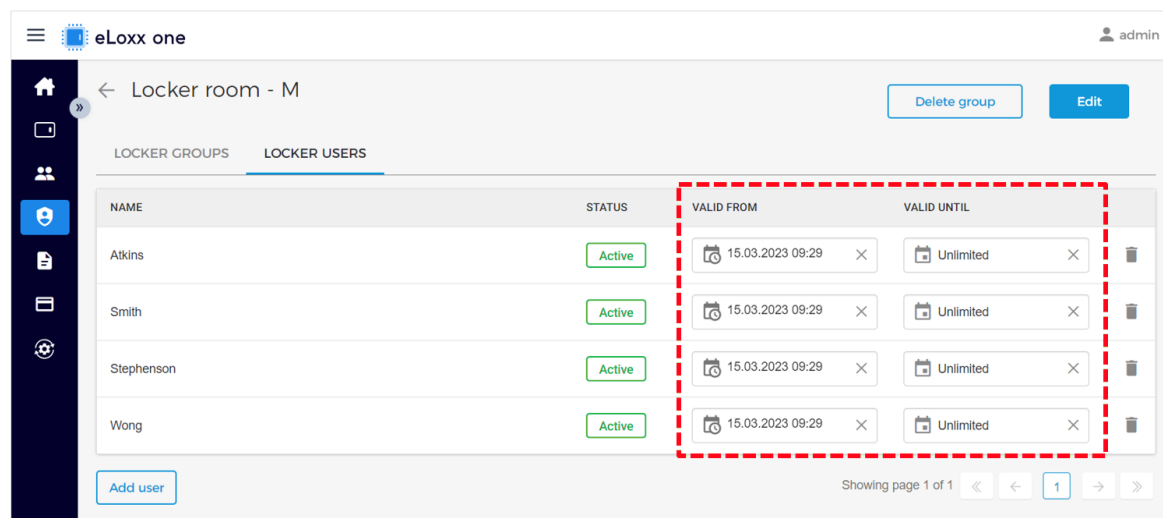


- 3. Click on "Add user".
↳ All defined locker users are displayed.



4. Select the locker user(s) to assign to the authorization group.
5. Confirm by clicking on "Add".

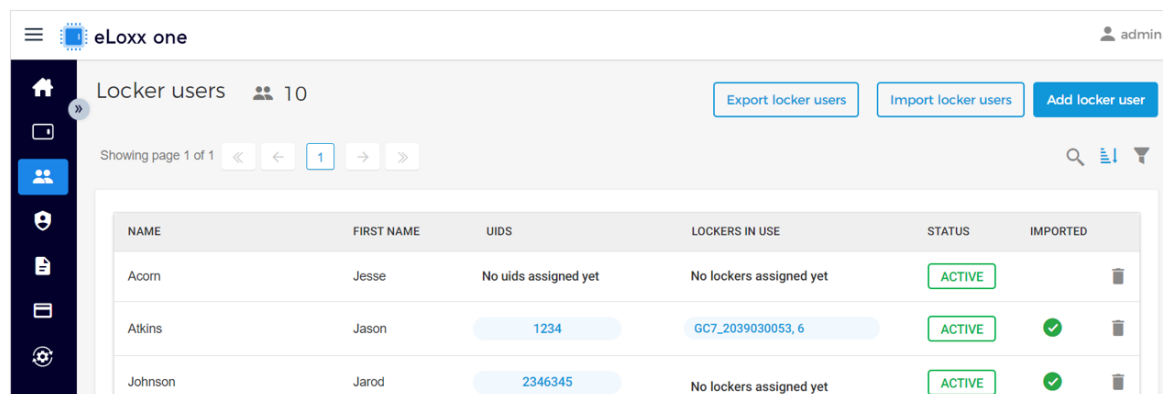
The assigned locker user(s) are displayed on the "USERS" tab.



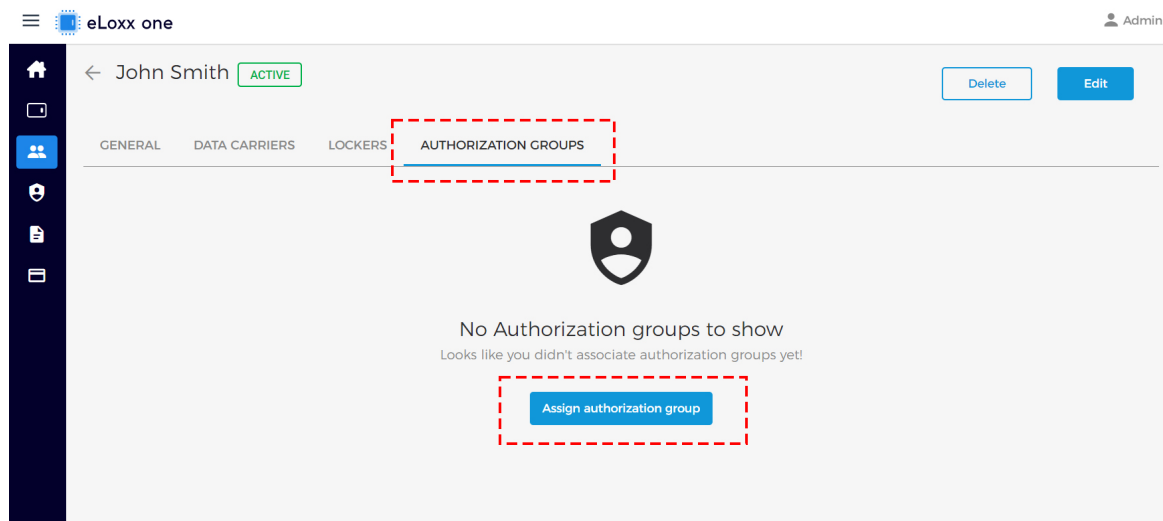
6. A validity period can be set for each user that defines when they can use the locker system. If the validity period expires, the user can no longer use the lockers of the locker groups within the authorization group.

5.16.2. Assigning authorization groups via the "Locker users" page

1. Open the "Locker users" page.
- ↪ All defined locker users are displayed.

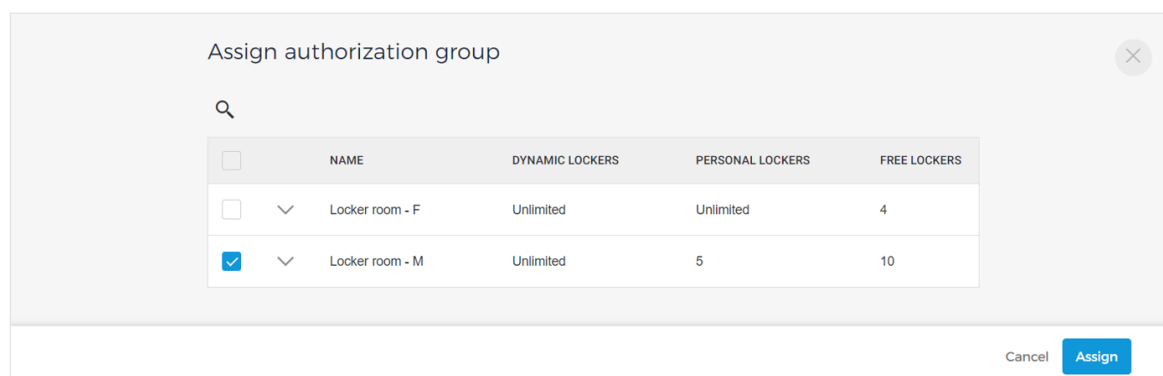


2. Click on the desired user in the list.
- ↪ The user information window opens.



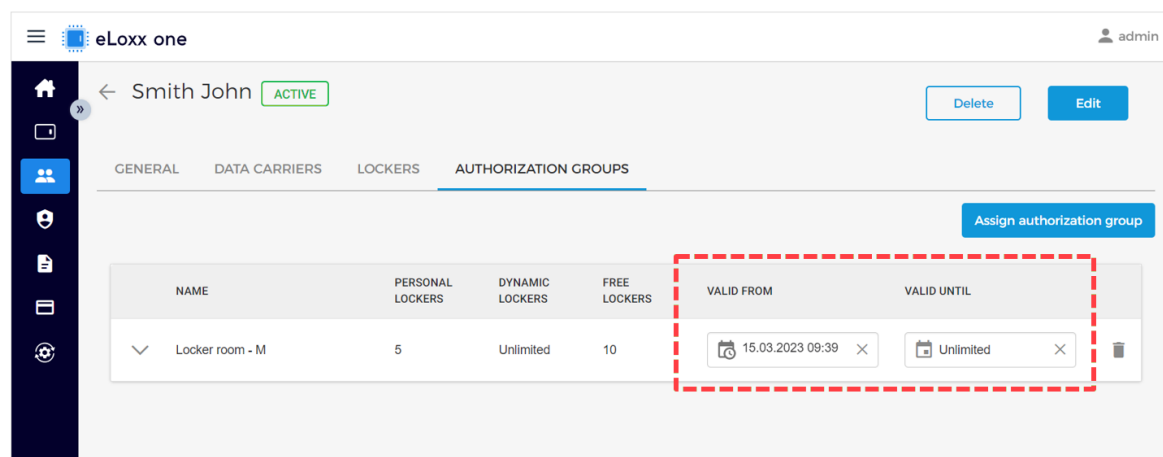
3. Switch to the "AUTHORIZATION GROUPS" tab and then click on "Assign authorization group".

↪ All available authorization groups are displayed.



4. Select the group(s) to assign to the user via the check box and then click on "Assign".

↪ The assigned group(s) are displayed on the "AUTHORIZATION GROUPS" tab.



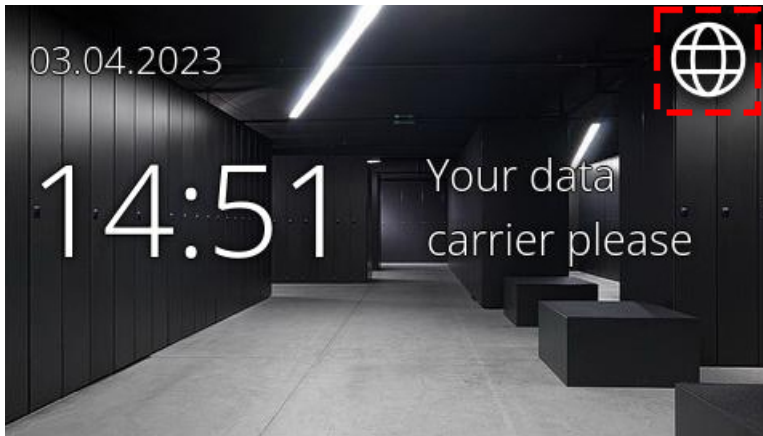
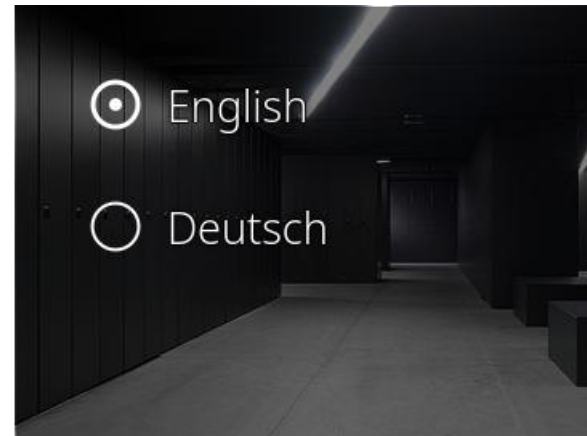
5. A validity period can be set for the user that defines their usage period. If the validity period expires, the user can no longer use the lockers of the locker groups within the authorization group.

5.17. GT7 Info Function

The G7 Main Controller App can also run on GANTNER's GT7 terminal to display information, e.g., a user's locker number, from the eLoxx one database after the user reads their data carrier at the terminal. For this function, the eLoxx one license must be activated for the G7 Main Controller App that is running on the GT7 terminal. The process of installing the G7 Main Controller App and activating eLoxx one is analogous to that of the GC7 controller described in chapter "[Installation \[9\]](#)".

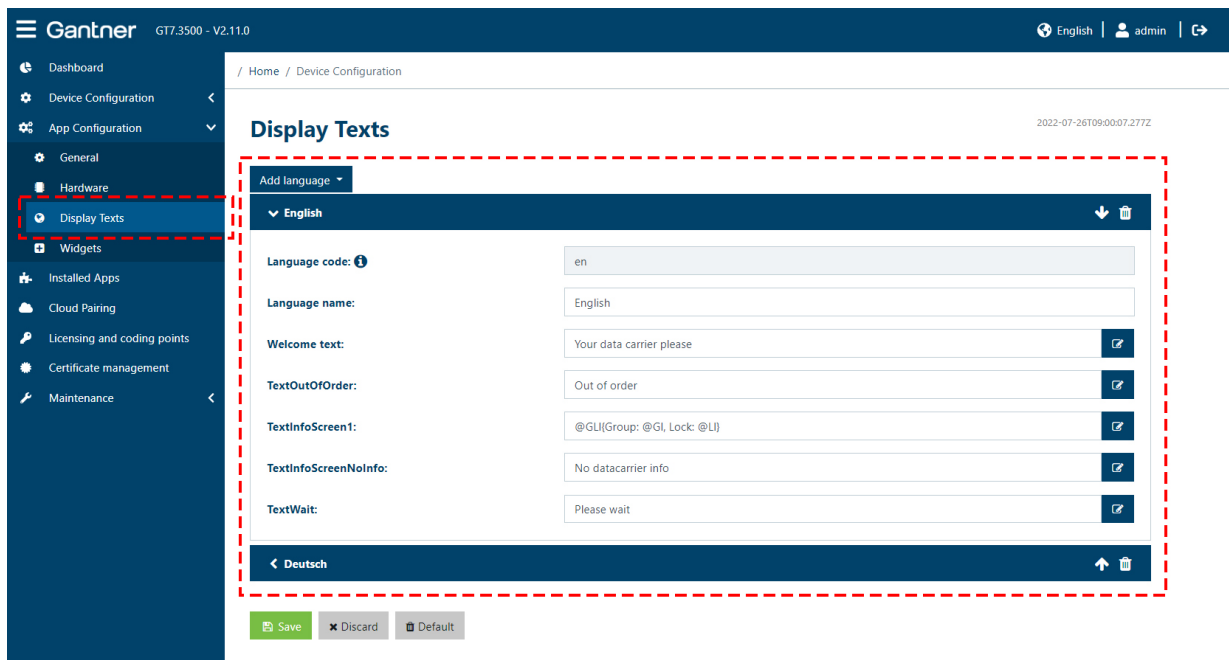
For the display of information on the GT7 terminal, German and English languages are pre-defined in the GT7 web interface. The user can switch between languages on the touchscreen by pressing the language icon.

Figure 3. Language selection icon on the GT7



- To define the display languages, select "App Configuration" -> "Display Texts" in the GT7 web interface.

Figure 4. Defining languages for the display texts



5.17.1. Editing languages and texts

The predefined texts are listed for each language. The languages are divided into blocks that can be opened and closed by clicking on the language name.

1. The display texts are predefined for German and English. If one of these languages is deleted, you can insert it again by clicking on "Add language".
2. The order of the language blocks can be changed using the arrows in the language headers.



3. To edit a text, write directly into the text field.
 - ↪ The field turns green. This indicates that this text has been changed but has not been saved yet.
4. Via the edit icon  next to a text field, formatting options (font sizes, bold, italics, fonts, etc.) can be defined for the texts.
 - ↪ An editor is displayed, where you can change the default text and formatting.

5. Confirm the formatting by clicking on .

The formatting is displayed graphically in the editor (bold font, color, etc.). In the text line, the formatting is displayed as HTML tags in the text line (e.g., `<font size = '7'>`).

NOTE! Formatting must always be done within the editor - text cannot be edited directly.

6. Via the delete icon , a language including all text modules can be deleted.

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