ABUS
Security Tech Germany

Installation instructions and user manual

wAppLoxx Control SE (WLX – CTRL SE) and wAppLoxx Cylinder (WLX)

WLX – CTRL SE

WLX – Access and Intrusion

WLX-LMifA-AP-00
WLX-LMifA-AP-10
WLX-LMifA-AP-00-Panik
WLX-LMifA-AP-10-Panik
WLX-LMifA-IP-10
WLX-LMifA-IP-10-Panik

[1] wAppLoxx – Complete instructions – article number 800065

CE

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1. General

This product complies with current domestic and European regulations. Conformity has been proven, and all related certifications are available from the manufacturer on request. To ensure the condition of this product is maintained and that safe operation is guaranteed, this user manual must be observed. No part of the product may be changed or modified in any way. Finger contact with the electronics should also be avoided. ABUS Security-Center GmbH & Co. KG shall not be held liable for loss or damage caused – or alleged to have been caused – either directly or indirectly by this manual. We reserve the right to make changes to this manual without prior notice.

1.1 Safety information

Explanation of symbols:

	The triangular high voltage symbol is used to warn of the risk of injury or health hazards (e.g. caused by electric shock).
	The triangular warning symbol indicates important notes in this user manual which must be observed.
	This symbol indicates special tips and notes on the operation of the device.

Safety information:

Please observe the following instructions for the wAppLoxx Control SE to avoid fire and injury:

- Mount the device safely to a dry point in the building.
- Ensure there is sufficient ventilation for the device.
- The device is designed for indoor use only.
- The maximum humidity must not exceed 80% (non-condensing).
- Ensure that no metal objects can be inserted into the device from the outside.
- Disconnect the device from the power supply before any installation work is carried out.
- The device is supplied power via a separate power supply unit (not included).
- The power supply unit is connected to the building's 230 V AC grid via a separately secured line.
- Connection to the building's grid is subject to the country's specific regulations.

Information on the wireless range:

- The wireless range between the wAppLoxx Cylinder and the wAppLoxx Control SE is largely dependent on the individual local conditions, particularly the building structure and electromagnetic interferences (from machines, high-voltage lines, etc.). Extreme interference with the wireless traffic can lead to a four-minute safety shutdown.
- It is essential to check whether there is an adequate wireless connection prior to installation and commissioning.

Hereby, ABUS Security-Center declares that the radio equipment type 505272 and WLX cylinders, are in compliance with RED Directive 2014/53/EU. The full text of the EU declaration of conformity is available for download on page at the following internet address:

https://www.abus.com/eng/Home-Security/Access-control/wAppLoxx2/wAppLoxx-Control

Information on the battery:

The wAppLoxx Cylinder is powered with direct current via a 3 V CR2 lithium battery that is included in the scope of delivery.

In order to ensure a long lifespan and to prevent fire and injury, comply with the following instructions:

- When inserting the battery, ensure the polarity is correct.
- Batteries must not be exposed to direct sunlight or other heat sources or stored in places exposed to very high temperatures.
- Keep batteries away from children.
- Batteries are not rechargeable.
- Batteries must not be dismantled, pierced or otherwise damaged. They must not be

burned, come into contact with water or be short-circuited.

- If batteries are replaced, take note of temperature details specified by the manufacturer.

If, after the cylinder is **initialised for the first time**, a battery warning appears, remove the battery again and then reinsert it after waiting 10 seconds.

After the cylinder is initialised for the second time, the notification should no longer appear.

To ensure a long lifespan and safe operation, we recommend using the following high-quality batteries:

wAppLoxx Cylinder:	**Duracell** Ultra CR2 Lithium CR17355 Photo Battery
wAppLoxx Control SE:	**Panasonic** Lithium CR1220 Button Cell (35 mAh, 3 V) (To ensure reliable buffering of the system time, we recommend changing the CR1220 installed in the wAppLoxx Control SE at regular, two-year intervals.)

After replacing the batteries, you must always check that the device is functioning correctly.

Batteries must not be disposed of along with household waste in accordance with the battery directive; they must be taken to designated collection points.

1.2 wAppLoxx Control SE technical data

Scope of delivery:	wAppLoxx Control SE, quick guide, secure code card, software CD, MicroSD card, drilling template
Power supply:	12 V DC, 2 A, via external power source (not included)
Conditions of use:	Max. 80% relative humidity, non-condensing
Radio frequency:	868.3 MHz
Wireless range:	Approx. 30 metres indoors (100 m free field nominal)
Exterior dimensions:	160 × 110 × 28 mm (H × W × D)
Material:	White plastic housing
Tags:	max. 15
Door systems:	max. 3
Configuration:	Web interface (web browser, platform-independent)
Functions:	Optional permissions for access and/or “arming” or “disarming” Special key for a guard user Fallback tag Remote access authorisation Remote “arming”/“disarming” Event management and email notification Logging and time function

The wAppLoxx Control SE has been optimised for use in conjunction with alarm systems.
Some functions are therefore only available if an interface to an alarm system has been set up for the wAppLoxx Control SE; see Chapter 13.1.

1.3 wAppLoxx Cylinder technical data

Scope of delivery:	Double knob cylinder, quick guide, 3 V CR2 lithium battery
Required accessories:	ABUS Mifare DESfire EV1 tag, CLX-Z-WS tool kit
Optional accessories:	WLX-ESE, Card Reader
Tags:	ABUS Mifare DESfire EV1 Tag
	4-byte/7-byte Mifare Classic tags (we accept no liability for the use of other tags.)
Areas of usage:	Doors with a PZ mortise lock
	Multiple locking systems
	Panic locks (approved for locking nose with free-wheel function)
Configuration:	Via wAppLoxx Control SE
Power supply:	3 V CR2 lithium battery (min. 35,000 openings or two years on standby)
	Backup power supply via WLX-ESE (see general accessories)
Conditions of use:	-10 °C to +40 °C/IP55
Outside knob dimensions:	Ø 30 mm, length 41 mm
Inside knob dimensions:	Ø 33 mm, length 49 mm
Material:	Stainless steel knobs, plastic
Standard length: increments	Exterior 30 mm/interior 30 mm, can be extended modularly in 5 mm
Delivery status:	Coupled
	(Decoupling is not carried out until it has been successfully registered in the wAppLoxx Control SE)
Functions:	Intrusion (alarm)
	Access
	Opening period can be set to 6 or 12 seconds
	Tag reader
Standard:	Cylinder in accordance with DIN 18252-2006 “Profile cylinders for door locks”

Limiting conditions

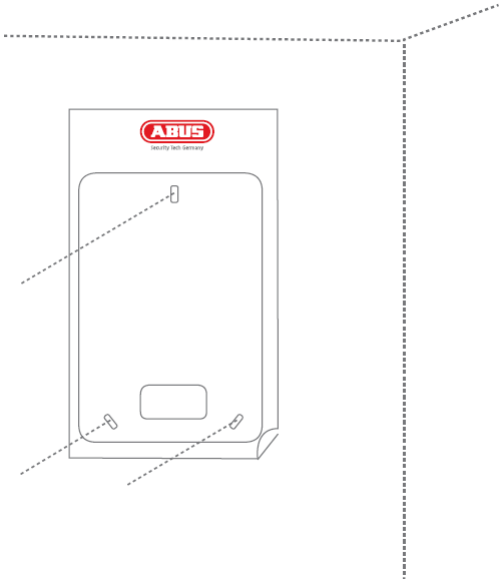
- The wAppLoxx double knob cylinder can be used in profile cylinder locks.
- The wAppLoxx double knob cylinder has a freely rotating closing cam. It can only be used in conjunction with panic locks that allow the closing cam to rotate freely (these are generally multiple locking systems with a panic function).
- The modular principle enables the door thickness to be adjusted in 5 mm increments. The extension sets can be ordered in lengths for self-assembly up to a maximum door thickness of 90 mm, outside max. 55 mm, inside max. 50 mm. See our price list for more details. Lengths for door thicknesses 95–120 mm, 125–150 mm can only be delivered pre-assembled ex works.
- The following custom lengths can also only be delivered ex works.

  DT 90, O: 30, I: 60 mm: DT 90, O: 35, I: 55 mm
- The following custom lengths are not available for delivery:

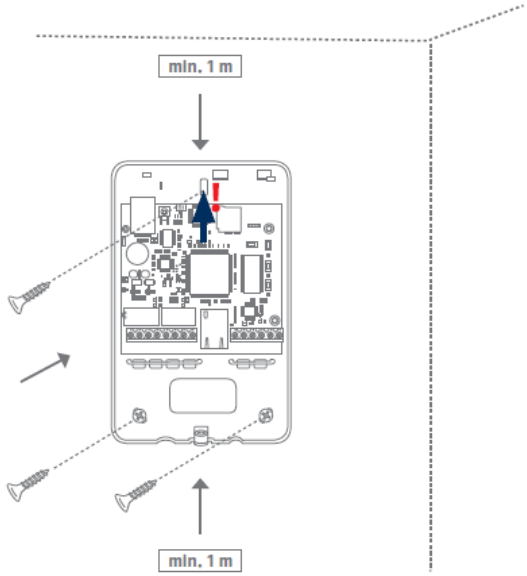
  DT 85, O: 30, I: 55 mm; DT 115, O: 30, I: 85 mm; DT 145, O: 30, I: 115 mm;

  DT 150, O: 30, I: 120 mm; DT 150, O: 35, I: 115 mm
- Only one extension set may be used in each case, both outside and inside.

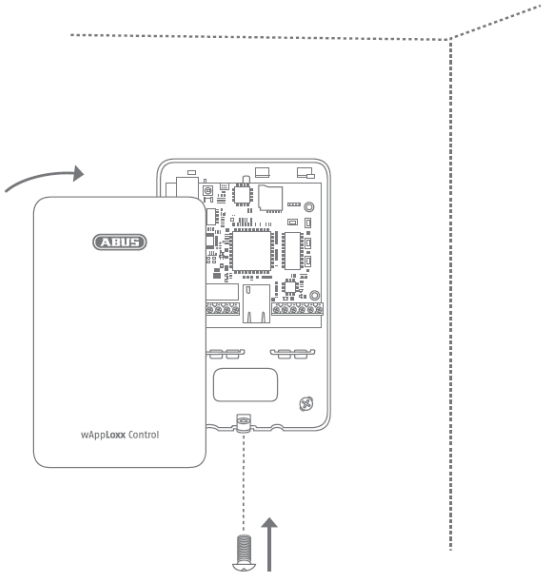
2. Installing the wAppLoxx Control SE



Use the drilling template to mark the drill holes on the wall.

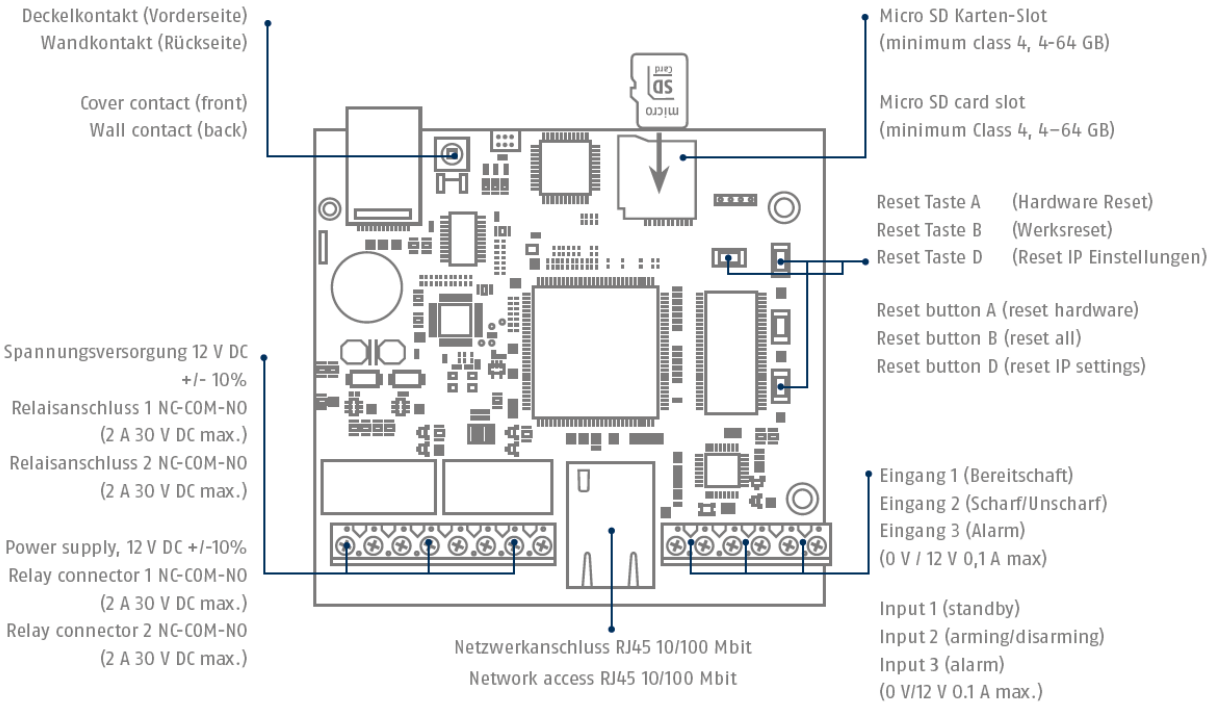


Mount the backplate on the wall, making sure that the PCB is not damaged in the process.



Once the wiring is complete, replace the cover and secure in place with the housing screw.

3. Connection overview of the wAppLoxx Control SE



The function of the inputs and outputs is dependent on the configuration settings of the wAppLoxx Control SE.

Power supply:

12 V DC – max. power consumption 1,5 A

Important: To ensure operation within the framework of CE approval, we recommend only using the original ABUS power supply unit (item number: **AZZU10010/TVAC35201**).

We recommend switching to a new original ABUS power supply unit particularly in the event of problems with the power supply or if the existing power supply unit is defective.

Relay connector 1/2:

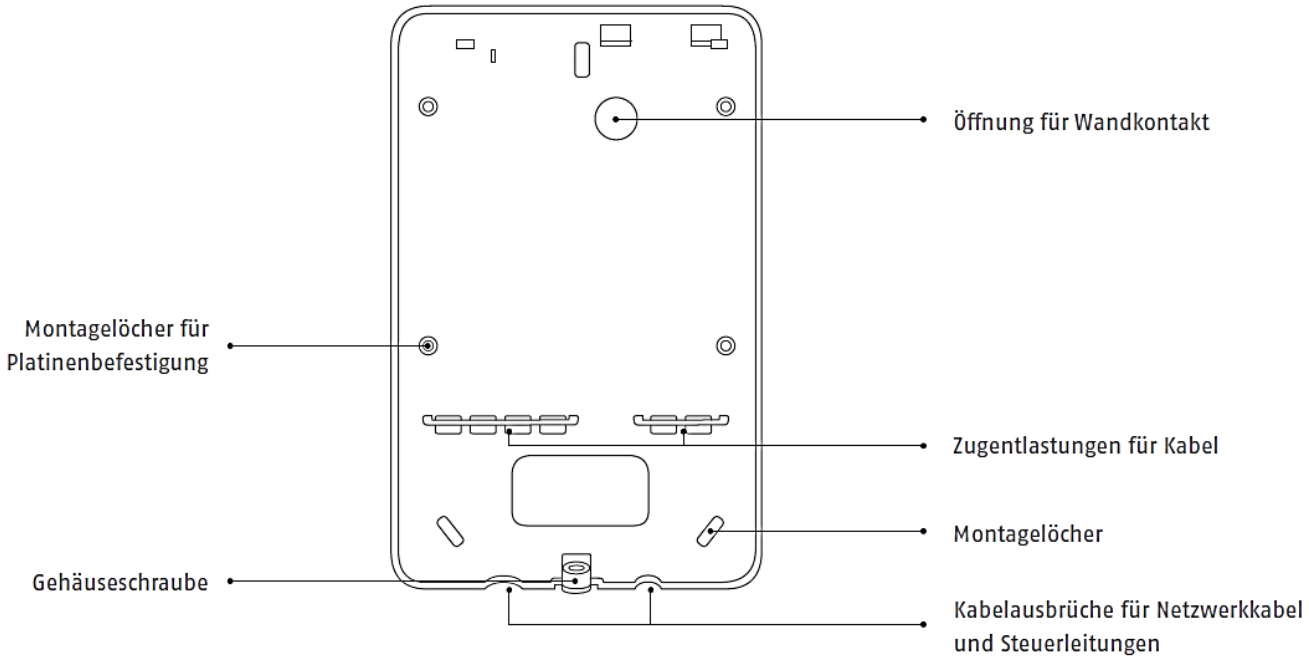
Switching power of the changeover relay: max. 30 V DC, 2 A

1	Normally closed (NC)
2	Earth (COM)
3	Normally open (NO)

Input 1/2/3:

12 V DC, max. 0.1 A

1	In1/2/3 (+)	(Input active at 12 V DC)
2	GND (-)	

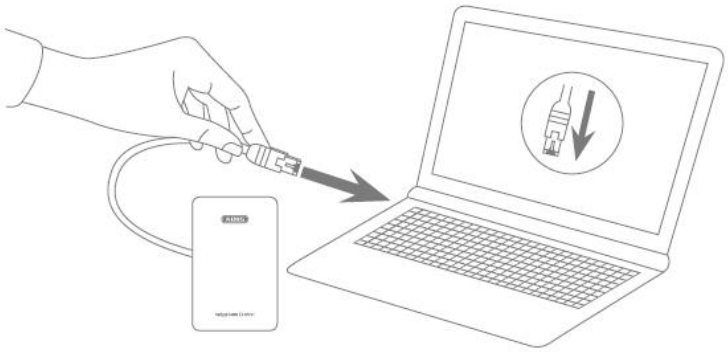


4. Commissioning the wAppLoxx Control SE

Before you begin commissioning, check that the MicroSD card supplied has been inserted correctly. This saves the number of openings per cylinder and is required to ensure the battery warning functions correctly via the WLX – CTRL (please only use the MicroSD card supplied).

Option 1:

Connecting the wAppLoxx Control SE directly to a PC/laptop.



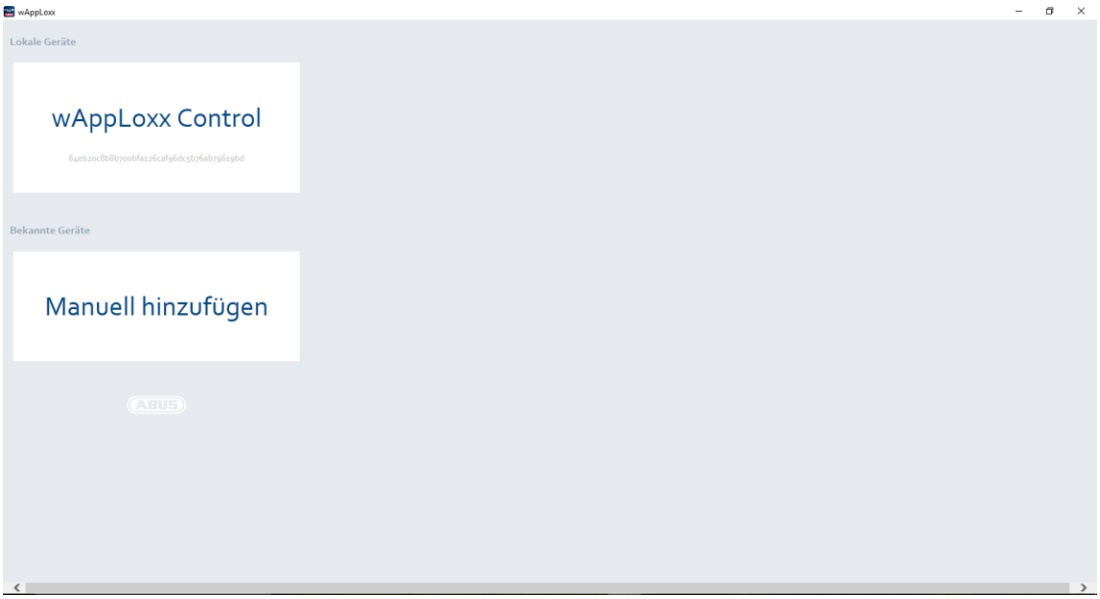
1. Connect the wAppLoxx Control SE to your PC/laptop via a network cable.

2. Connect the wAppLoxx Control SE to the power supply.
   The wAppLoxx Control SE automatically detects whether a direct connection between the PC/laptop and the wAppLoxx Control SE should be established.

3. The IP address of the wAppLoxx Control SE is 192.168.0.50 when delivered.

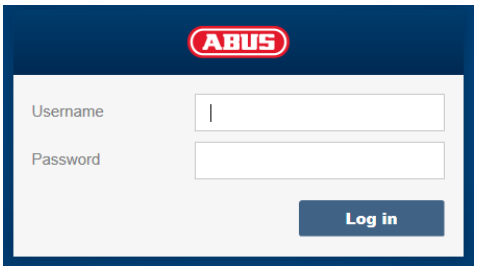
4. Configure the network interface of your PC/laptop as follows:
   IP address: 192.168.0.2
   Subnet mask: 255.255.255.0
   Standard gateway: 192.168.0.1
   Preferred DNS server: 192.168.0.1

5. Now open the wAppLoxx Control SE Finder software. Your wAppLoxx Control SE will now appear under “local devices”.



Recommended configuration:
We recommend configuring the wAppLoxx Control SE using the wAppLoxx Control SE Finder.

Recommended web browser:
Use the latest version of Mozilla Firefox or Google Chrome to carry out configuration. Alternatively, Internet Explorer, version 11.306 or above, or Edge can be used.



6. This takes you to the wAppLoxx Control SE website where you are requested to enter your user name and password.

The following access data is set by default on delivery:

User name: **administrator**

Password: **12345678**

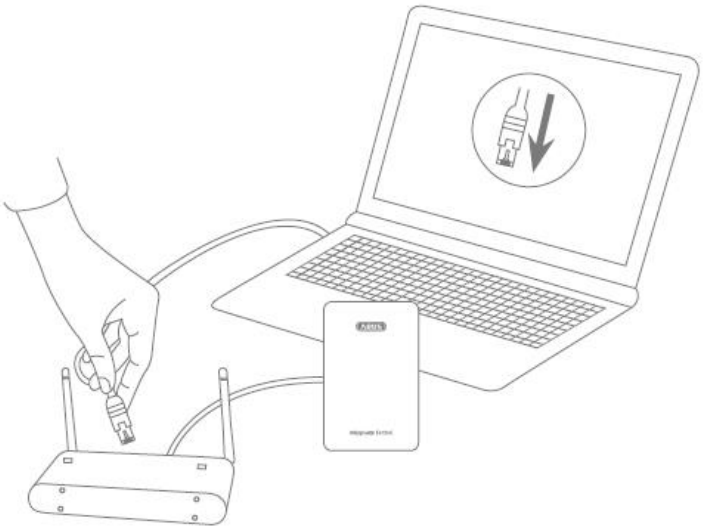
Please ensure the administrator access is changed after initial commissioning.

Keep the password for administrator access safe. Should you no longer have the password, the wAppLoxx Control SE will need to be reset using reset button “B” on the PCB.

Important: All settings and configurations are lost when a factory reset is carried out.

Variant 2:

Connecting the wAppLoxx Control SE to a PC/laptop via a router/switch



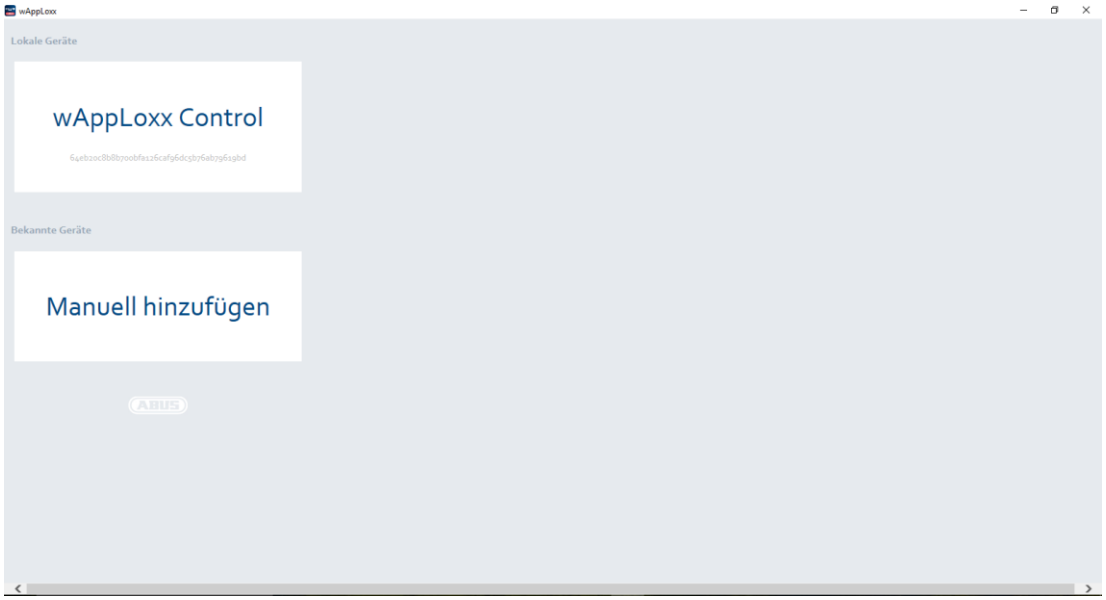
1. Connect the wAppLoxx Control SE to the router/switch.

2. Connect the wAppLoxx Control SE to the power supply.
   If your router is set to DHCP mode, it now assigns a new IP address to the wAppLoxx Control SE automatically.
   If your router is **not** set to DHCP mode, the default IP Address for the wAppLoxx Control SE is 192.168.0.50. In this case, first configure your router/switch and PC/laptop as follows:

Router/Switch	**PC/laptop**
IP address: 192.168.0.1	IP address: 192.168.0.2
Subnet mask: 255.255.255.0	Subnet mask: 255.255.255.0
	Standard gateway: 192.168.0.1
	Preferred DNS server: 192.168.0.1

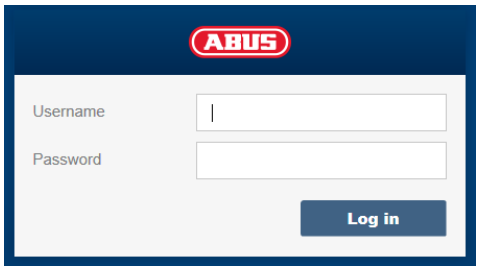
Changes to the router/switch can interfere with the network functionality. Please also refer to the information in the manual supplied by the router/switch manufacturer or contact your network administrator.

1. Now open the wAppLoxx Control SE Finder software. Your wAppLoxx Control SE will now appear under “local devices”.



Recommended configuration:
We recommend configuring the wAppLoxx Control SE using the wAppLoxx Control SE Finder.

Recommended web browser:
Use the latest version of Mozilla Firefox or Google Chrome to carry out configuration. Alternatively, Internet Explorer, version 11.306 or above, or Edge can be used.



4. This takes you to the wAppLoxx Control SE website where you are requested to enter your user name and password.

The following access data is set by default on delivery:

User name: **administrator**

Password: **12345678**

Please ensure the administrator access is changed after initial commissioning.

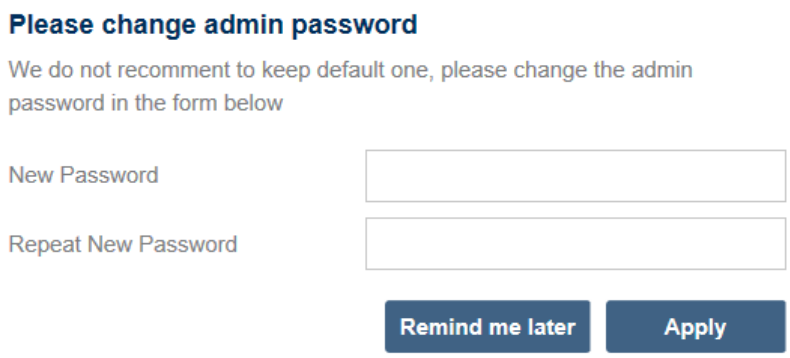
Keep the password for administrator access safe. Should you no longer have the password, the wAppLoxx Control SE will need to be reset using reset button “B” on the PCB.

Important: All settings and configurations are lost when a factory reset is carried out.

Initial start-up

After logging in for the first time, a pop-up window will appear asking you to select your language setting for the system. Select your desired language by clicking on the relevant national flag and then confirm your selection by clicking on the button “Save language setting”. You can change your language setting at any time via the menu item “Language” in the “System Settings” menu.

After this, you will be asked to change your administrator password in another pop-up window. Please observe the specified minimum password requirements. You can change the password at any time via the menu item “System access” in the “System settings” menu. If you do not change the password at this point, you will be asked to do so again each time you log in.



Activating the web connection for the wAppLoxx app:

The wAppLoxx Control SE must be connected to the internet (router).

1. To access your wAppLoxx Control SE using the app via the internet, you first have to enable the web connection using the secure code.

2. Your secure code can be found on the secure code card, which is included in the scope of delivery
of your wAppLoxx Control SE.

3. Open the secure code input field by clicking on the symbol in the upper toolbar of the administration menu.

4. Scratch off the panel on the secure code card and enter the secure code as shown on the card (e.g. 32B4-1334-CD45-EGGH).

5. Then click on “Activate”. This checks the secure code.
The symbol in the upper toolbar of the administration menu indicates that the activation was successful.

6. You can now connect to your wAppLoxx Control SE via the wAppLoxx app.
Use the QR code scan function under menu item “Add manually”.

In order to correctly operate the P2P connection, it is important that the following ports are not blocked by the firewall:

UDP Port 5562
5666
TCP Port 5568

It is not necessary to set up port forwarding.

5. Main menu

System settings

For more information, see **Chapter 6. System settings**

wAppLoxx

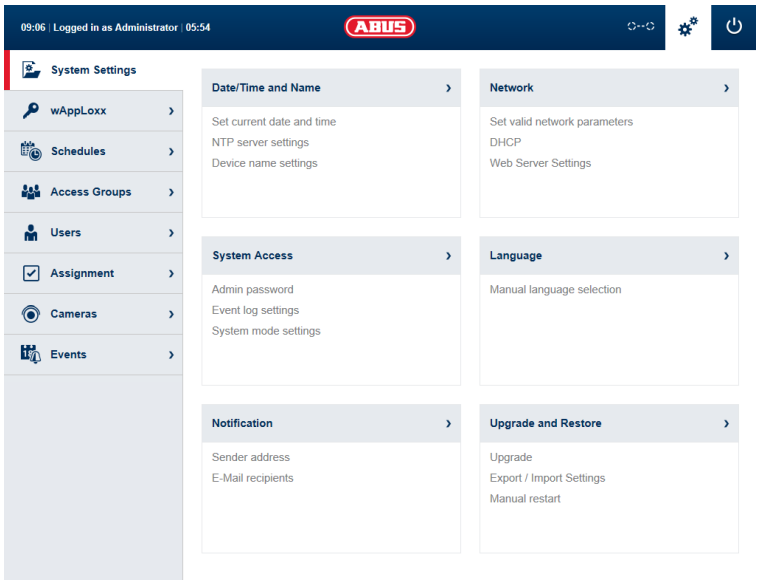
For more information, see **Chapter 8. wAppLoxx**

Schedules

For more information, see **Chapter 9. Schedules**

Access Groups

For more information, see **Chapter 10. Access Groups**



User

For more information, see **Chapter 11. Users and tags**

Assignment

For more information, see **Chapter 12. Assignment**

Camera

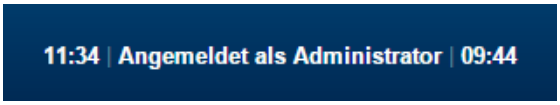
For more information, see **Chapter 13. Events**

Events

For more information, see **Chapter 14. Events**

Logging out the administrator

System time, user, logout time



The administrator is automatically logged out after 10 minutes of inactivity. The administrator can only be logged in once.

Status of the secure web connection

Activated

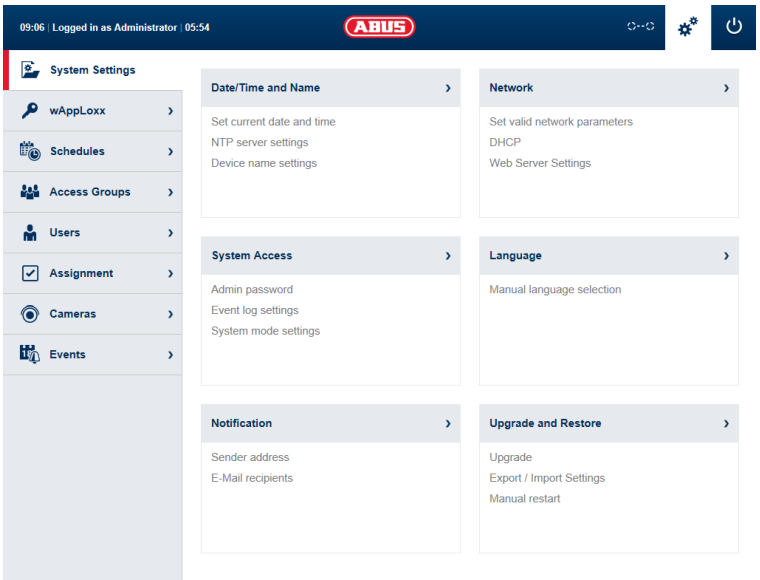
Not activated

Update required

One or more cylinders need to be updated.

Before quitting configuration, it must be ensured that the cylinder update symbol is no longer visible and/or all cylinders are updated.

6. System settings



Date and time

For more information, see **Chapter 6.1 Date/Time and Name**

System access

For more information, see **Chapter 6.2 System Access.**

Notifications

For more information, see **Chapter 6.3 Notification.**

Network

For more information, see **Chapter 6.4 Network.**

Language

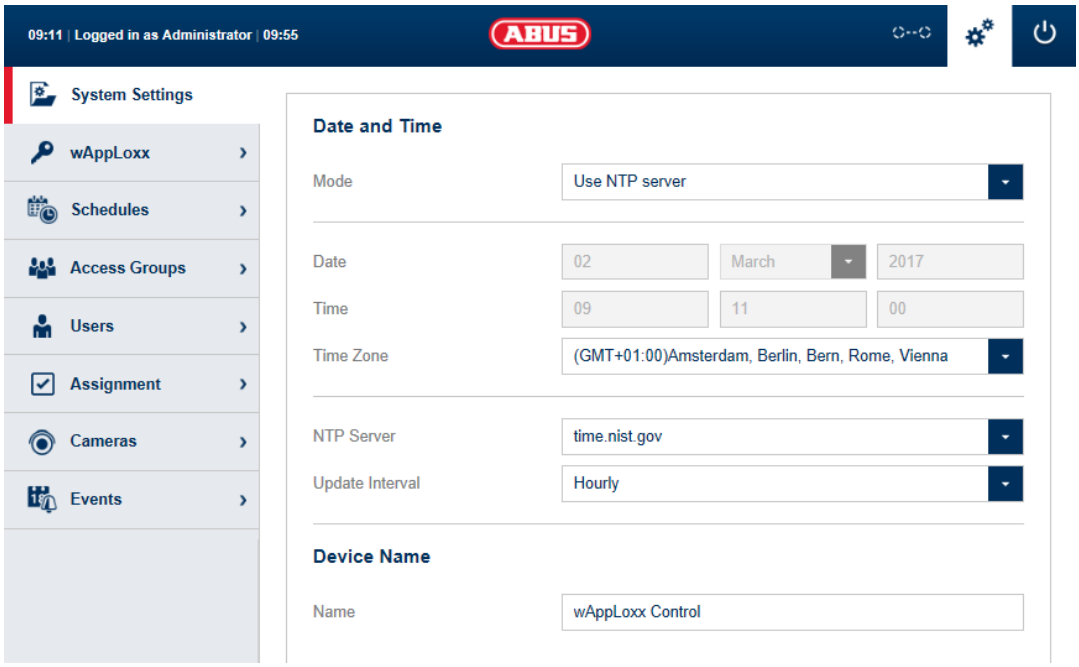
For more information, see **Chapter 6.5 Language.**

Upgrade and Restore

For more information, see **Chapter 6.6 Upgrade and Restore.**

It is essential to configure the date and time to ensure the device functions correctly!
Please ensure the administrator access is changed after initial commissioning.

6.1 Date and Time



Mode:

Use time from local system

Select this setting to synchronise the system time with your PC.

The system's internal clock has an accuracy of ±10 minutes per year.

Use NTP server

Select this setting to use an NTP server that synchronises the system time with a time server.

This setting only functions when the system is connected to the network.

NTP Server: Select an NTP server.
In Germany, we recommend the NTP server: **ptbtime1.ptb.de**

Update Interval: Select an interval in which the time is synchronised via the NTP Server.

The wAppLoxx Control SE must have access to the internet for this to be possible.

Manual

Select this setting to adjust the system time manually.

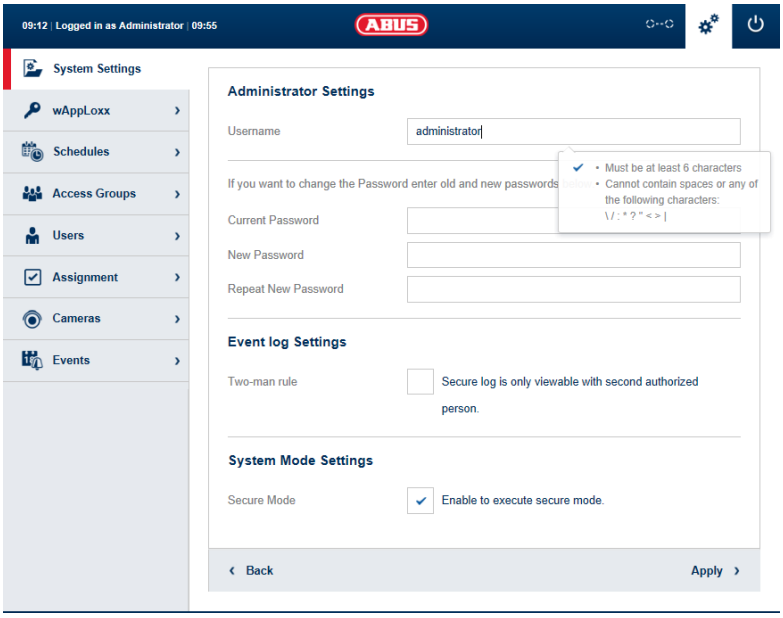
The system's internal clock has an accuracy of ±10 minutes per year.

Date/time: Select the current date and time.
Time zone: Select the time zone in which the wAppLoxx Control SE is located.

Device name

Select the device name used to identify your wAppLoxx Control SE on the network/app.

6.2 System Access



Administrator settings:

Enter a new user name and password for the administrator.

Be sure to take security guidelines into consideration.

Please ensure the administrator access is changed after initial commissioning.

Log view settings:

Selecting the two-man rule means the event log can only be accessed when a second user is registered in the log menu.

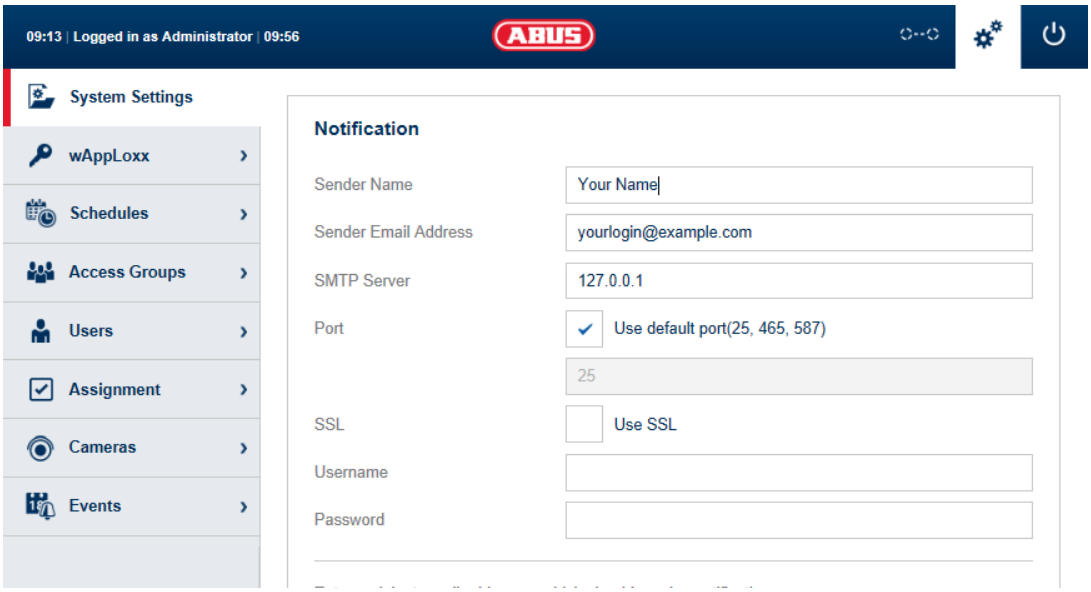
The two-man rule only functions with access via the website. It is not possible to view the logs when accessed via the app with the two-man rule activated.

System mode settings:

All existing tags are deleted if Secure Mode is activated.

If this is the case, then only the MIFARE DESfire tags from ABUS function. Mixed operation is not possible.

6.3 Notifications



An email account from an email provider (such as GMX) is required to enable email notifications. You can use an existing account or create an new one for your Control.

You can obtain the necessary server addresses and ports from your email provider.

Sender:

Sender name for the wAppLoxx Control SE

Sender email address:

The email address associated with the sender

SMTP server:

SMTP server address of the provider

Port:

Enter the SMTP port

Standard port: 25

SSL:

Check this box to activate the email encryption.

User name:

User name for the email address

Password:

Password for the email address

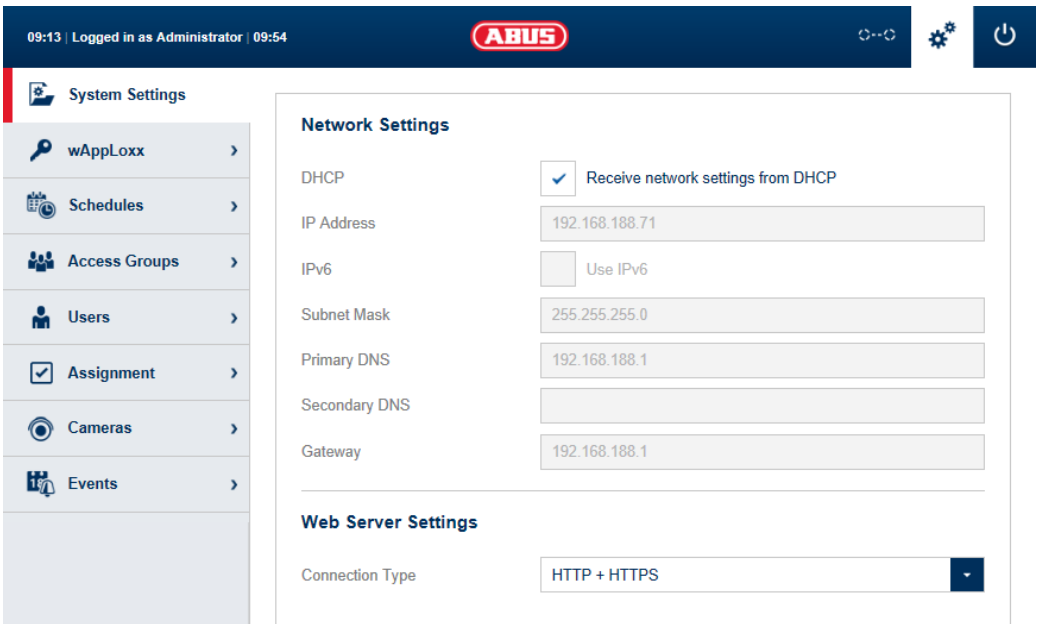
Recipient email:

Email address of the recipient

Test notification email:

Clicking on “Send” prompts the wAppLoxx Control SE to send a test email to the first recipient entered.

6.4 Network



Receive network settings from DHCP:

Check this box if the wAppLoxx Control SE is connected to a router with a DHCP function. All connection data is now automatically assigned by the router.

If no DHCP function is available, you can enter the connection data manually. Contact your network administrator for assistance if necessary.

IP address:

IP address of the wAppLoxx Control SE

IPv6 mode:

For switching to IPv6 mode (this function is set up but not yet active).

Subnet mask:

Network subnet mask

Primary DNS:

Primary DNS server for the network

Secondary DNS:

Secondary DNS server for the network

Gateway:

Standard gateway for the network

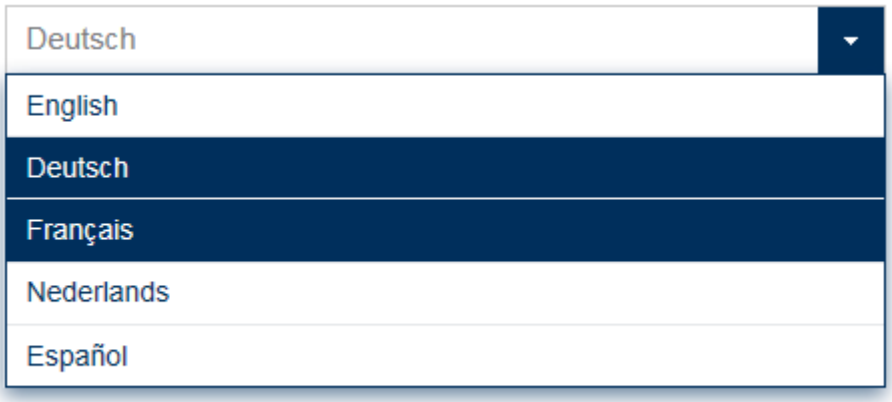
Connection type:

Here you can select whether you would only like to use HTTPS to access the wAppLoxx Control SE or whether you would also like to enable the HTTP protocol.

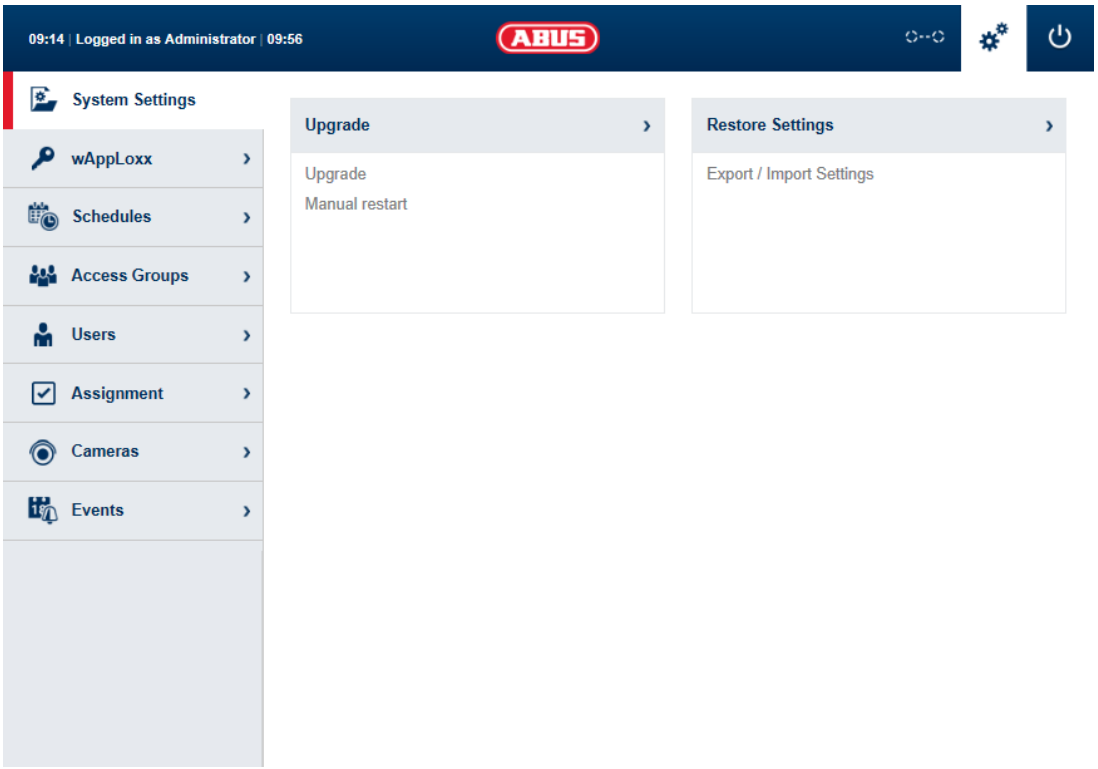
For safety reasons, we recommend only authorising access via the HTTPS port. This ensures that only secured connections can be established and the data is transmitted with encryption.

6.5 Language

Here you can select the appropriate language for the user interface of the wAppLoxx Control SE.



6.6 Upgrade and Restore



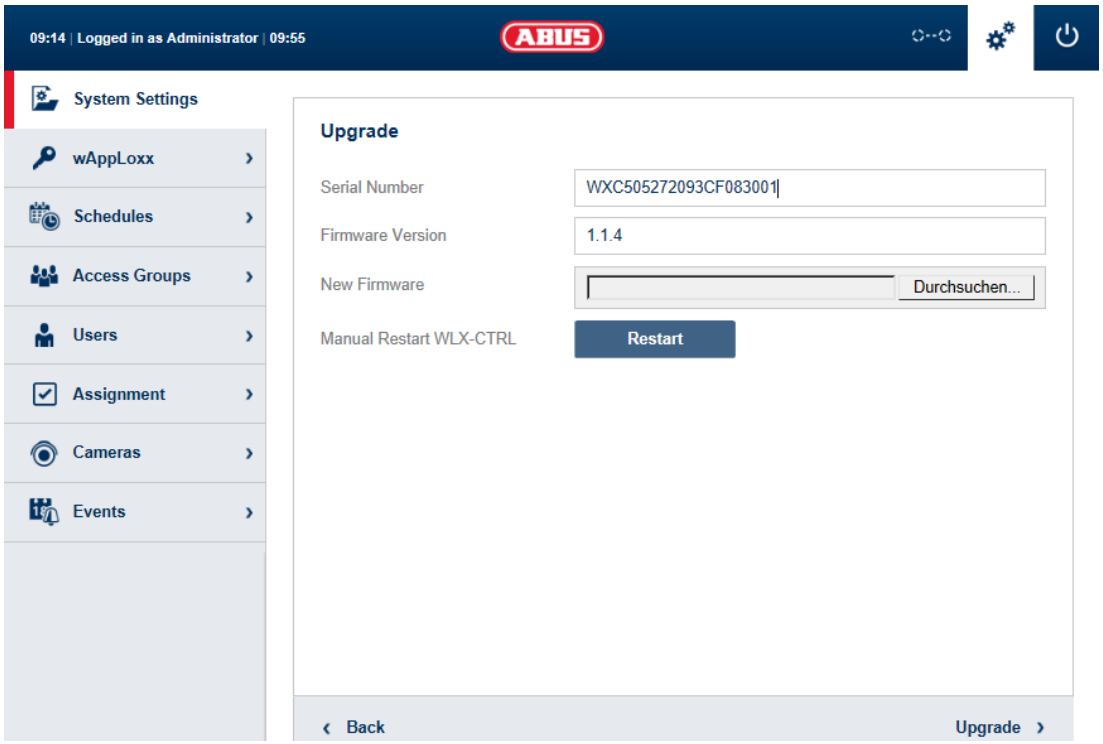
Upgrade

For more information, see **Chapter 6.6.1 Upgrade**.

Restore settings

For more information, see **Chapter 6.6.2 Restore Settings**.

6.6.1 Upgrade



The latest firmware for wAppLoxx Control SE is available for download from http://www.abus.com**.**

We recommend always using the latest firmware.

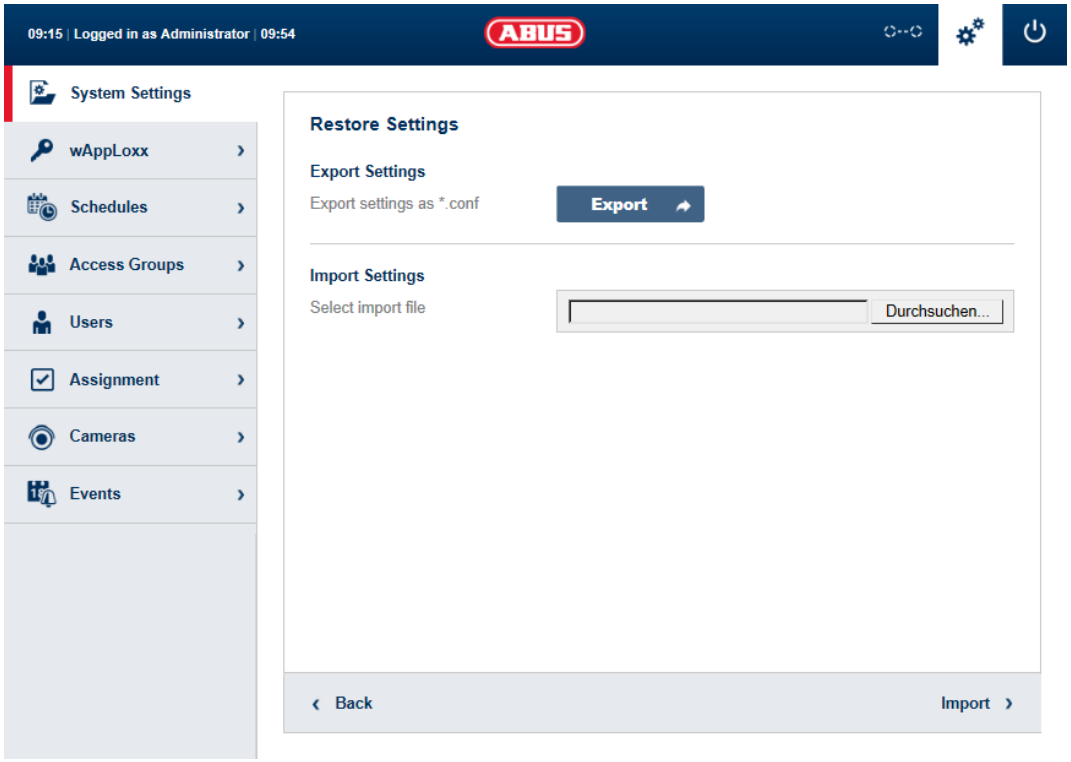
To perform an update, download the file (*.iso) with the new firmware version and select this using the "Browse…" button.
This performs the update and restarts the wAppLoxx Control SE.

The wAppLoxx Control SE must not be disconnected from the power supply during the update process.

To restart the wAppLoxx Control SE, select the "Restart" button.

MicroSD card restore process:
If the update process was interrupted or not performed correctly, the firmware can be loaded via the MicroSD card restore process.
To do this, disconnect the wAppLoxx from the power. Insert the MicroSD card supplied with the latest firmware and reconnect the normal voltage.

6.6.2 Restore Settings



If you would like to save your settings or transfer them to another wAppLoxx Control SE, you can export them to a configuration file (*.conf).

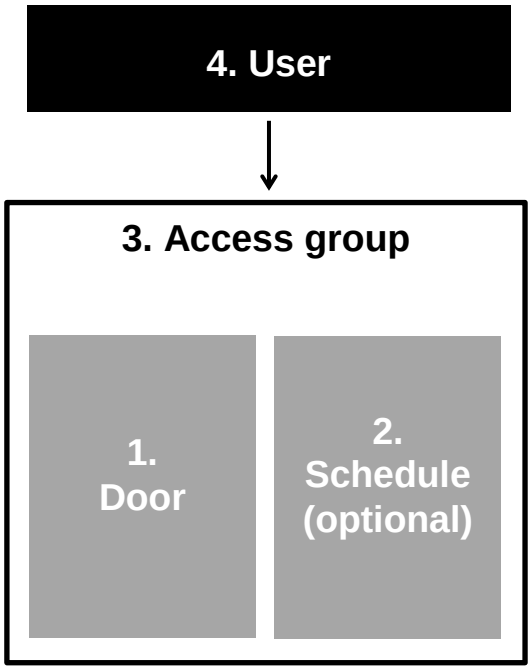
This file contains all settings with the exception of the wAppLoxx Cylinder. These must be registered again from scratch.

To import a configuration file, select this using the “Browse…” button and complete the process by clicking on “Import”.

7. Setting up a locking system

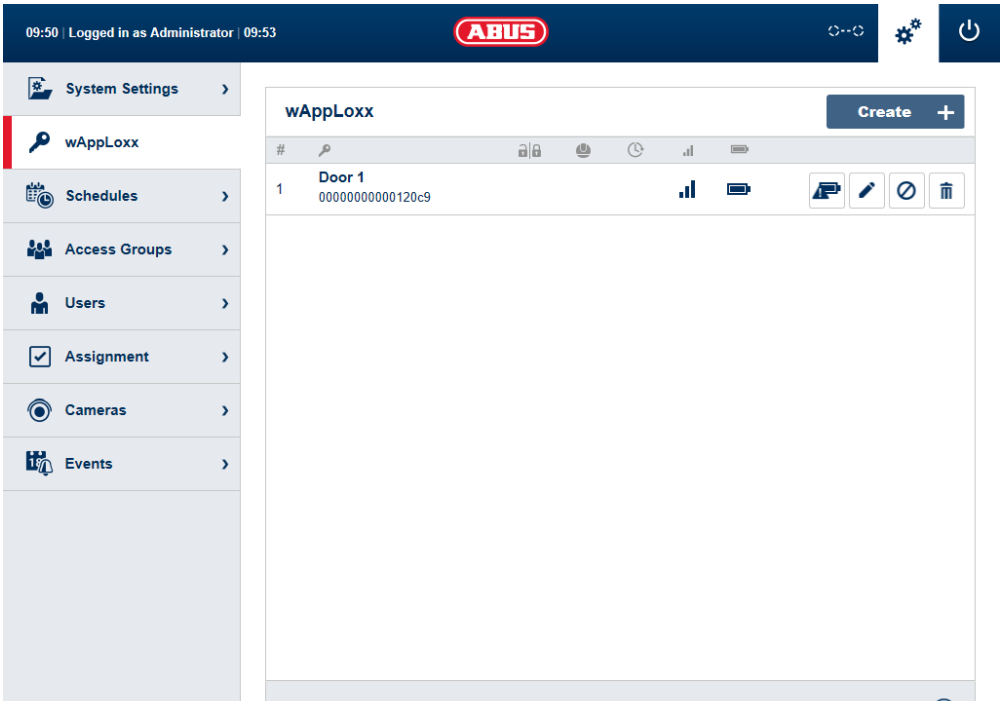
This chapter describes the step-by-step approach to configuring a locking system in the wAppLoxx Control SE with various permissions and time profiles. The configuration process can also be performed in any order and changed at any time. We recommend the following approach for the initial commissioning process:

1. Create the doors (create wAppLoxx Cylinder) Chapter 8
2. Create schedules Chapter 9
3. Assign doors and schedules to access groups Chapter 10
4. Create users and assign an access group Chapter 11



At least one door that has already been created must first be assigned to an access group. The access group always comprises at least one door and an optional schedule. The user must then be assigned to an access group. As soon as the link has been established between the user and the access group, the user has automatic access to all doors in the access group within the defined time range.

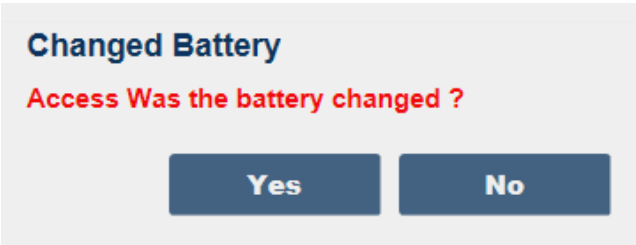
8. wAppLoxx



All wAppLoxx Cylinders that have been created are displayed in the door overview with their signal strength and battery status. This also includes Edit, Lock and Delete symbols.

Battery change **Edit** **Lock** **+ Unlock** **Delete**

The battery change symbol appears if the wAppLoxx Cylinder was disconnected from the power supply.
Confirm the battery change by clicking “Yes” to reset the counter for the number of cylinder openings (cycles).
If the battery was not replaced with a new one, select “No” to continue counting the openings (cycles).
Making the wrong selection here can mean that the cylinder does not give a battery warning at the right time and that it will no longer be possible to open the door.



Signal strength:

Every time communication takes place between the wAppLoxx Cylinder and wAppLoxx Control SE, the most recent signal strength measurement is displayed as a bar chart.

No bar:	No wireless connection to the wAppLoxx Cylinder
1 bar:	Unsatisfactory – operation not recommended
2 bars:	Satisfactory
3 bars:	Good

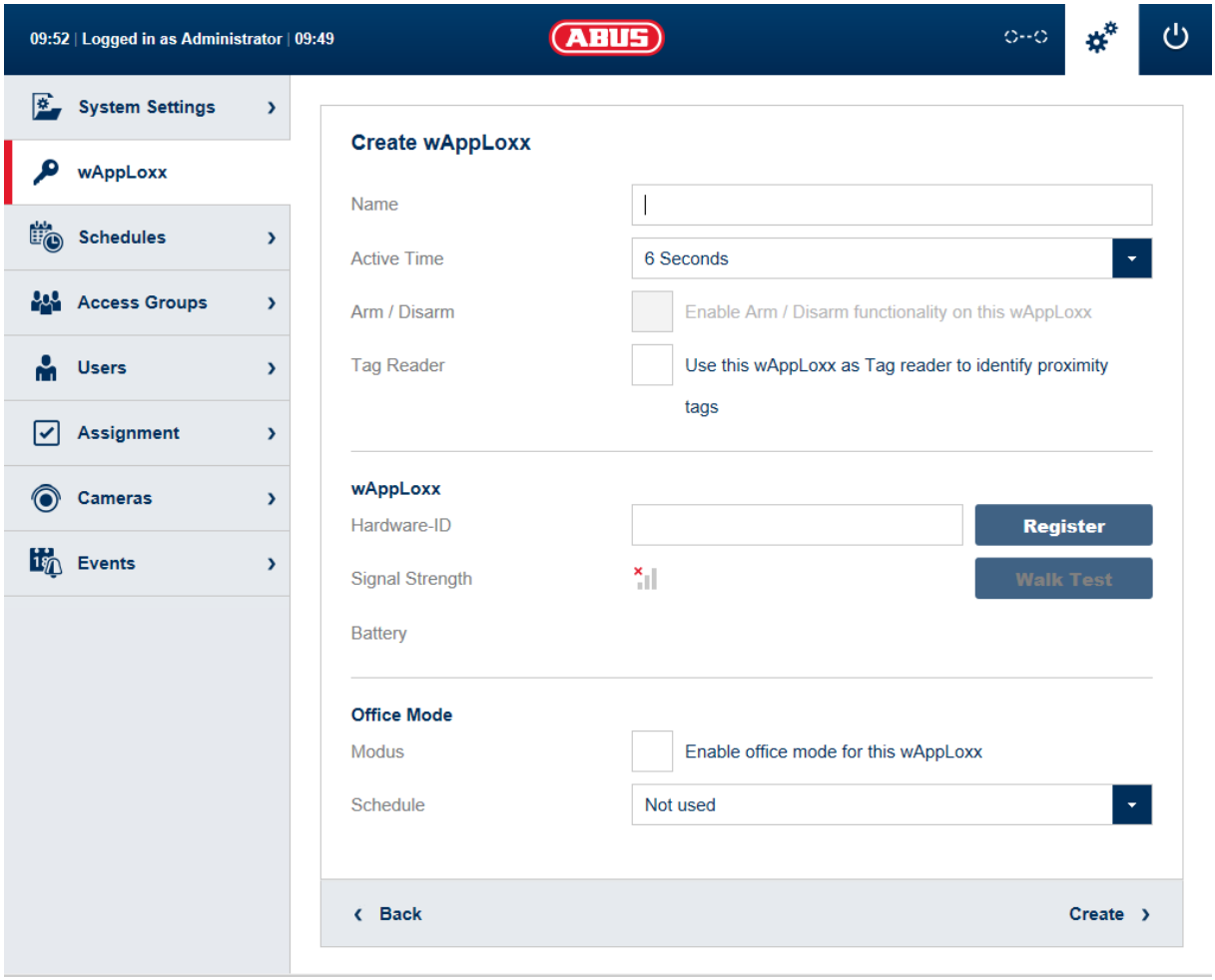
Battery:

Every time communication takes place between the wAppLoxx Cylinder and wAppLoxx Control SE, the most recent battery status measurement is displayed graphically.

Battery full:	Battery status OK
Battery empty:	Battery must be replaced soon

Create wAppLoxx:

Click on “Create” in the wAppLoxx door overview to create a new wAppLoxx Cylinder.



Name:

Enter the name of the door/wAppLoxx. We recommend starting with a prefix – such as the floor – as the doors are listed alphanumerically in the door overview.

Active time:

Select a coupling time between 6 and 12 seconds for the wAppLoxx Cylinder.

Arm/disarm:

Check this box to assign permissions for arming/disarming the alarm system to the cylinder.
This function is only available for Intrusion cylinders and not for Access cylinders.

Tag reader:

To use the wAppLoxx to read in new tags, activate this function in the selection field. Only one wAppLoxx can be defined as a reader for each wAppLoxx Control SE.

Register:

To register a wAppLoxx in the wAppLoxx Control SE, click on the “Register” button.

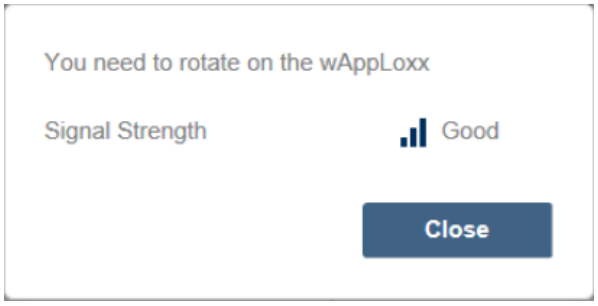
Then press the reset button for the wAppLoxx Cylinder.

For more information on registration of the wAppLoxx, see Chapter 16

Walk test:

To carry out a walk test, activate the Walk Test. You will now be prompted to turn the relevant wAppLoxx cylinder knob. While you are doing so, you will be able to see the cylinder’s signal strength in the software.

Once the signal strength is sufficient or better, you can then install the wAppLoxx cylinder in the desired position.

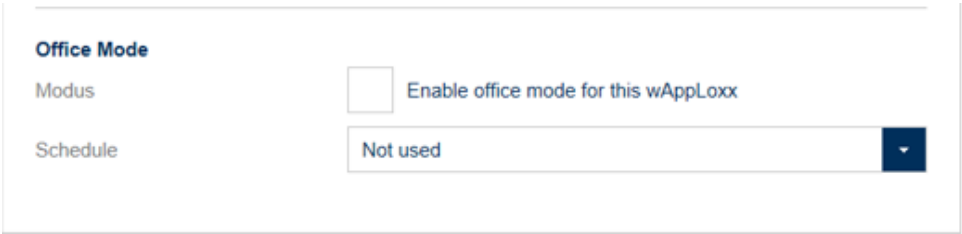


Permanent access:

Cylinders which have permanent access activated allow the door to be opened without a tag by turning the cylinder knob.

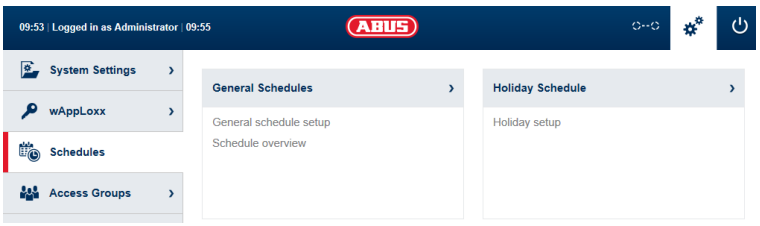
To restrict permanent access to a certain time frame, you can assign the relevant wAppLox cylinder to a self-defined schedule.

For more information on creating schedules, see Chapter 9.



It should, however, be noted that permanent access cannot be activated for an Intrusion cylinder that is armed. This must first be disarmed by an authorised person.

9. Schedules



Schedules

For more information, see **Chapter 9.1 General Schedules.**

Holiday schedules

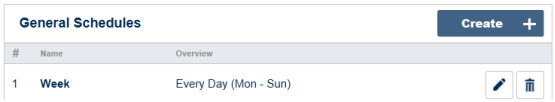
For more information, see **Chapter 9.2 Holiday Schedules.**

Schedules can be used to assign time-restricted access rights to certain access groups for various doors.

Holiday schedules can be set up to establish different access times regardless of the day of the week (for holidays, for example).

9.1 Creating schedules

To create a schedule, select “General Schedules” in the main menu and then click on “Create”.



The list contains all saved schedules that can either be edited directly or deleted. To create a new schedule, click on “Create”.

Name: Enter the name of the schedule you are creating.

Type: Here you can select from the various types of schedules.

To select access times, select the appropriate bars using the mouse (PC) or your finger (tablet/smartphone). One bar represents 15 minutes.

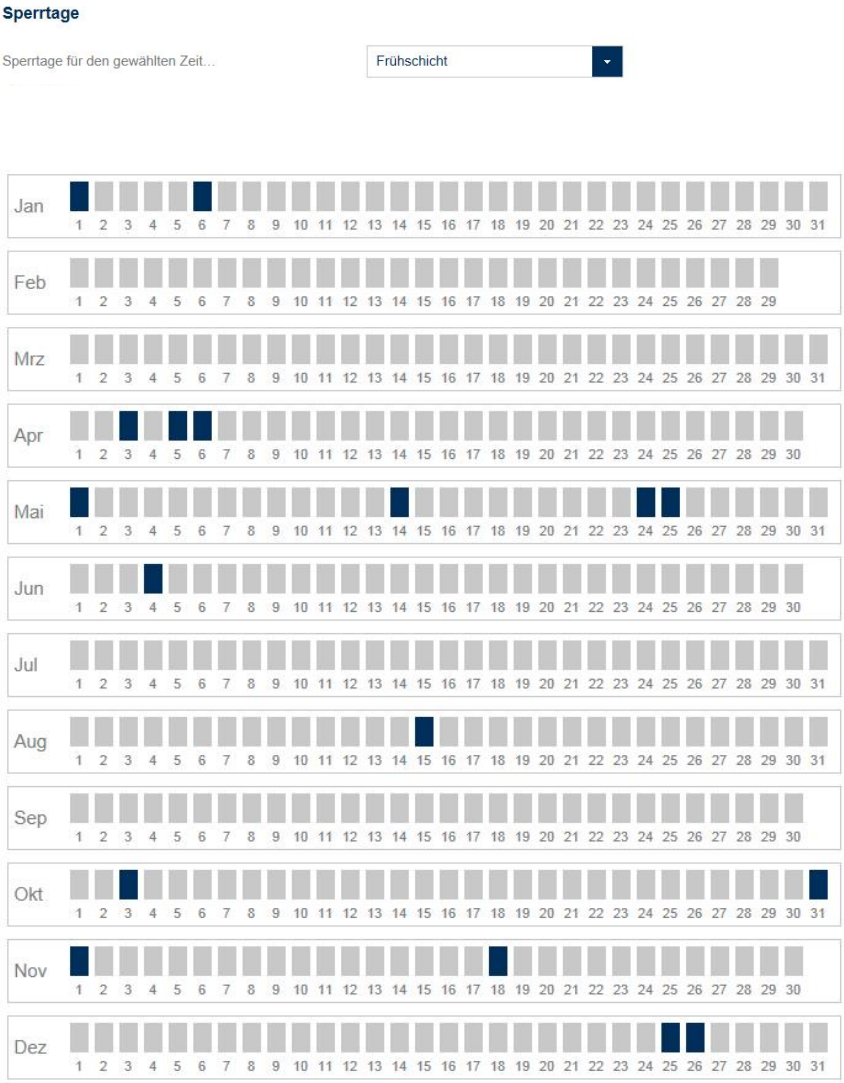
Example: The bar above “6” represents the period from 06:00 to 06:15.

To apply the selection, click “Apply”.

Example:
The early shift has access from Monday to Thursday between 06:00 and 14:00.
On Fridays and Saturdays, access is restricted to between 06:00 and 13:00.
On the associated holidays, access is available between 07:00 and 10:00.

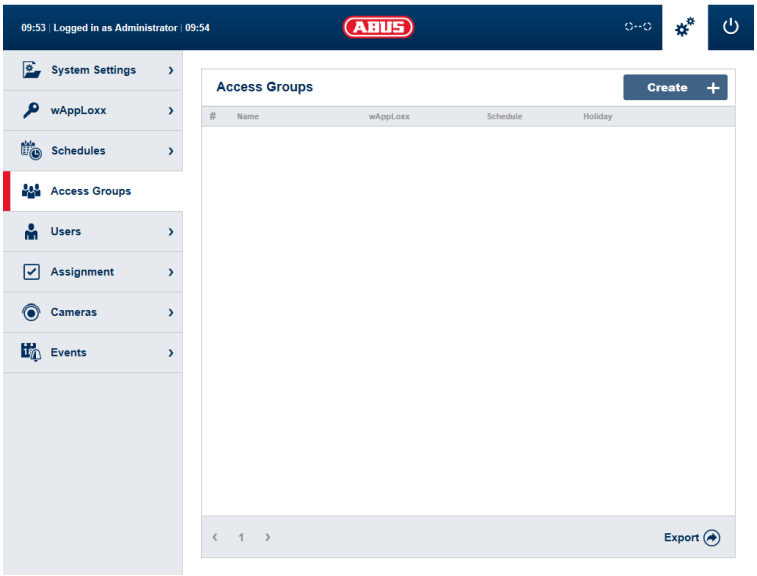
9.2 Holiday Schedule

The “Holiday” menu is where you can assign various holiday schedules to the respective general schedules.



The holiday access times that have been set in the schedules are applicable on the selected holiday days.

10. Access Groups



The schedules are assigned to the doors in the access groups. To create a new access group, select “Access Groups” in the main menu and click on “Create”.

Name: Enter a name for your access group.

Assigned wAppLoxx: Here, you can select the wAppLoxx Cylinder to be assigned to this access group.

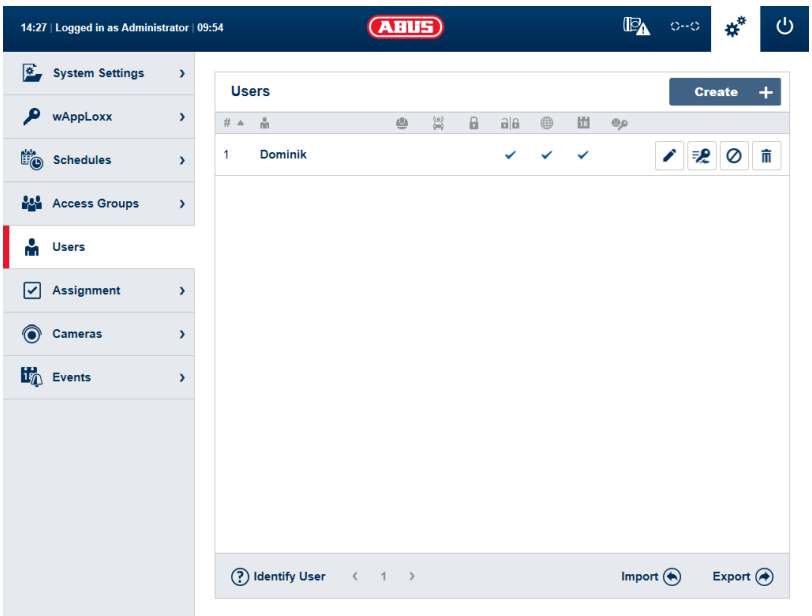
this access group.

Schedule: Here, you have the option to select a schedule for the access group.

Holiday: Here, you have the option of checking this box to activate the holiday function for this access group

.

11. Users and tags



Edit

Key issue protocol

Lock + Unlock

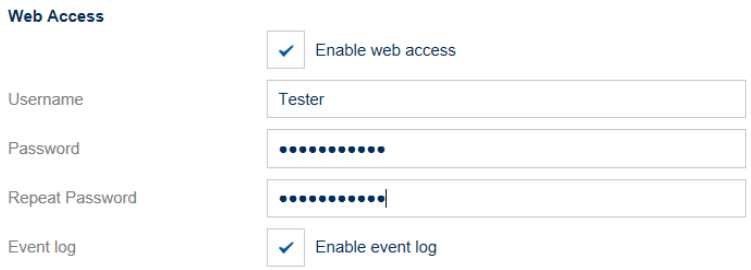
Delete

Several functions and permissions can be assigned to a user within a locking schedule. The overview displays the various functions/permissions in the form of checkboxes.
To create a new user, select “Users” in the main menu and then click on “Create”.

Creating a user:

Enter the user’s surname and given name.
If the user is to be allocated a tag, click on “Register” to receive a previously unallocated tag for the wAppLoxx Cylinder defined as a tag reader.

Web access:



If the user is to be granted web access, select the “Enable web access” checkbox.

Depending on the assigned permissions, web access allows the user to open doors remotely and/or “arm”/“disarm” security areas.

Any user can delete their tag here if it has been lost.

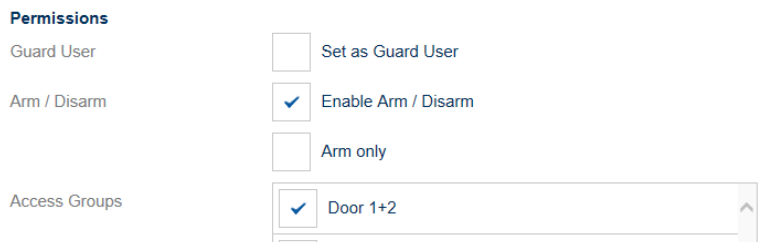
Users have the option of viewing the door protocols. This is achieved by clicking on “Enable event log”.

Users must log into their own user interface (see Chapter 14) to execute these functions.

Users must enter a user name and password to gain access.

Passwords can no longer be changed by the administrator if they have been changed by the user in the user interface.
If users forget their new password, the entire user must be deleted and recreated.

Permissions:



The Permissions area allows you to assign various rights to the user as required for the selected access groups.

Guard user:

If users have access as a guard user, they can only “disarm” systems in the allocated access group when the alarm is triggered and receive access permissions on that basis. These users can “arm” the system again once after establishing the cause of the alarm.

To do this, an interface to the alarm system will need to have been configured (see Chapter 13.1)

Enable arm/disarm:

Users are authorised to “arm” and “disarm” the door systems for the selected access group.

Arm only:

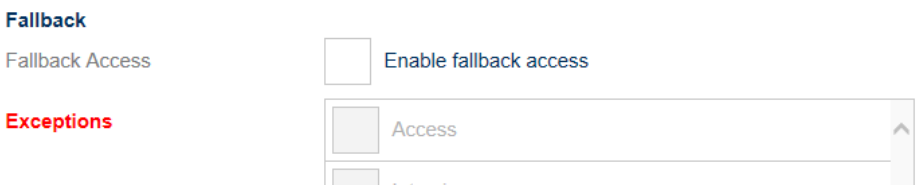
Users are only authorised to “arm” the door systems for the selected access group.

Access groups:

Select the access groups to which the users should have access. By selecting the access groups, users have access to the doors in the access group with the assigned schedule.

Without an access group, users cannot be granted any access permissions. For this reason, each user should be assigned at least one access group.

Fallback:

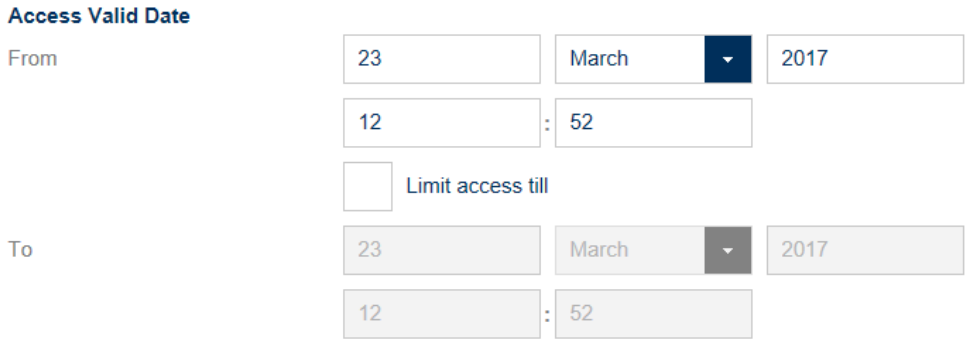


Fallback authorisation is registered directly in the wAppLoxx Cylinder and enables access when there is no wireless connection to the wAppLoxx Control SE. This requires the tag to be presented to the wAppLoxx Cylinder three times if the wireless connection is interrupted. It is possible to register ten fallback tags with each wAppLoxx Cylinder.

As soon as you check the “Enable fallback access” box, users are granted fallback access to all doors within the access group. The “Exceptions” option allows individual wAppLoxx Cylinders to be excluded.

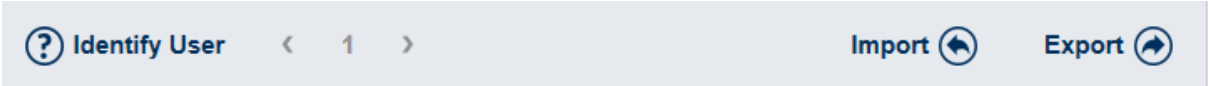
We recommend creating at least one fallback tag for each locking plan.

Access valid:



This section allows you to define an individual validity period for users.
The defined validity period applies to all permissions in the system, for access to both the relevant wAppLoxx Cylinder and the web.

Identify user:

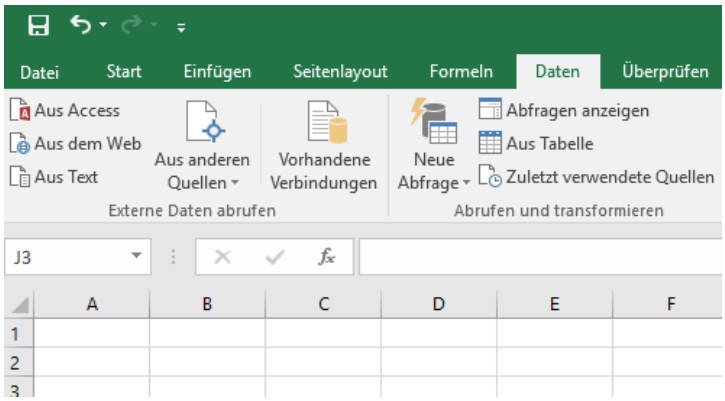


To identify a tag, click on “Identify User” and present the tag to the wAppLoxx Cylinder that is used to read tags. This now displays the user to whom the tag is assigned.

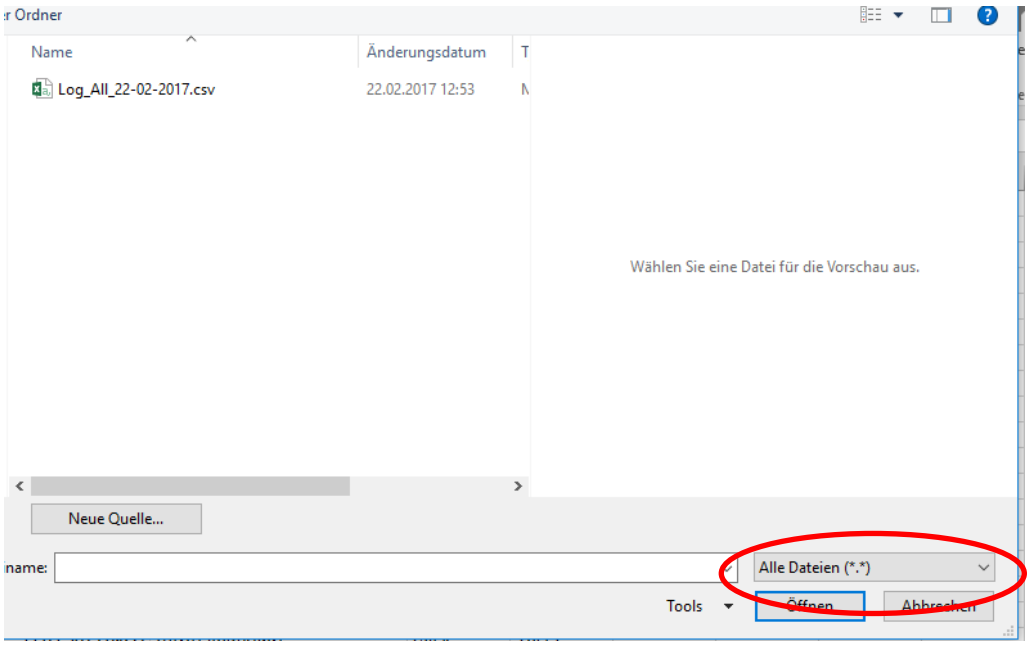
Export:

To export the user list, click on the “Export” button. The file is exported in CSV format. Select the UTF-8 format when opening the CSV file to ensure it displays correctly.

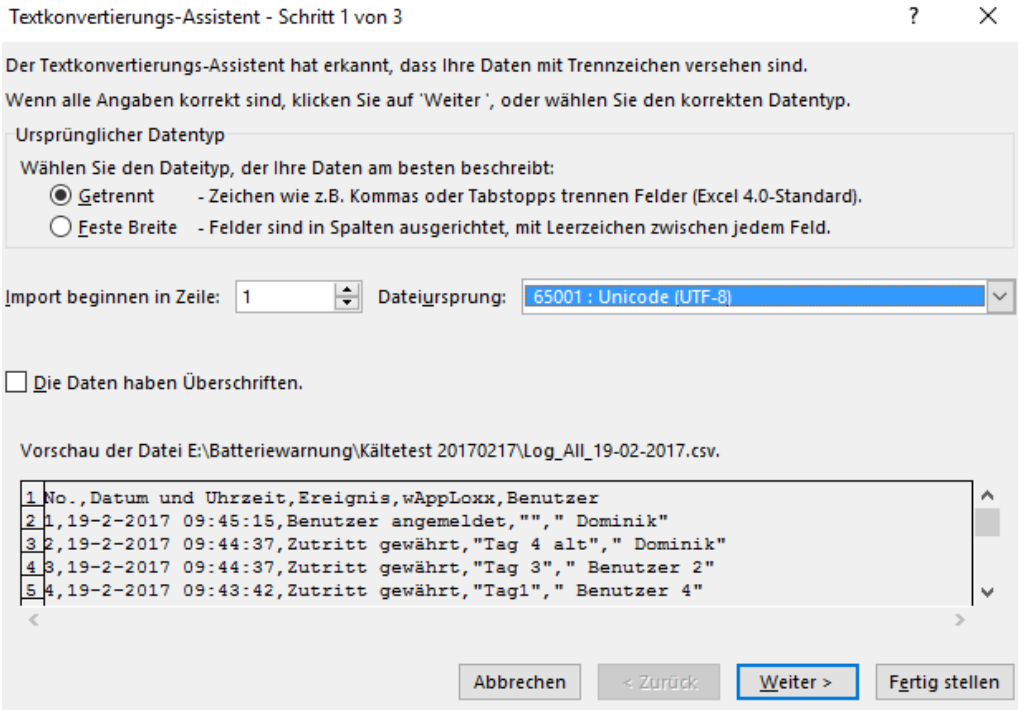
1. Open an empty workbook in MS Excel.
2. In the “Data” tab click on “From Other Sources”. Then select the item “From XML Data Import”.



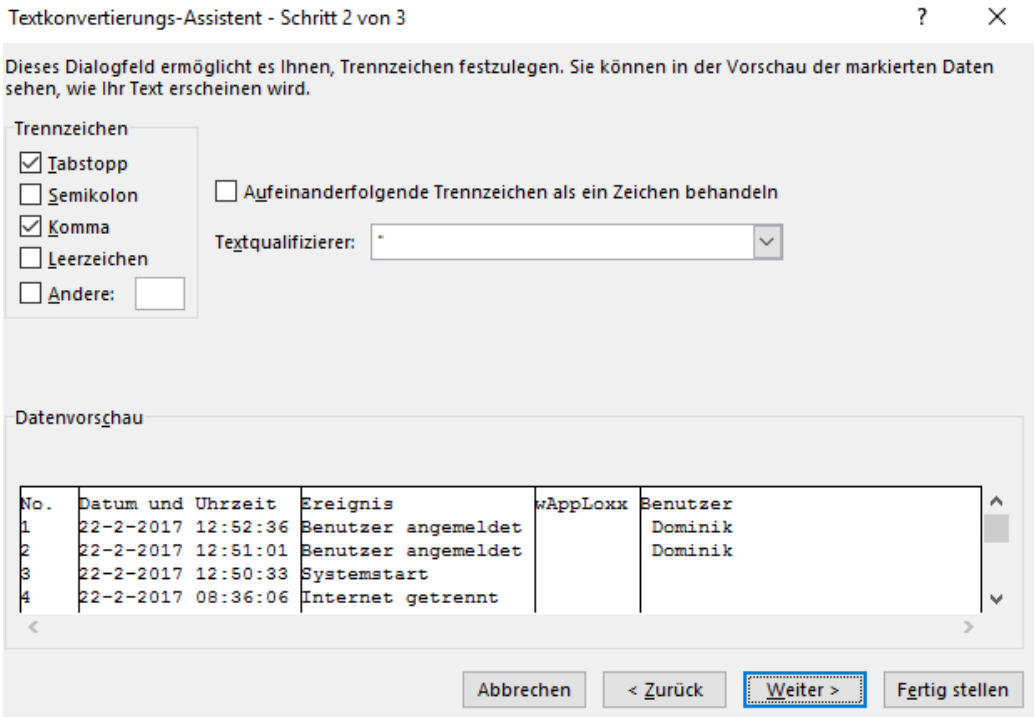
3. When opening the required file, make sure that the “All Files” format is selected.



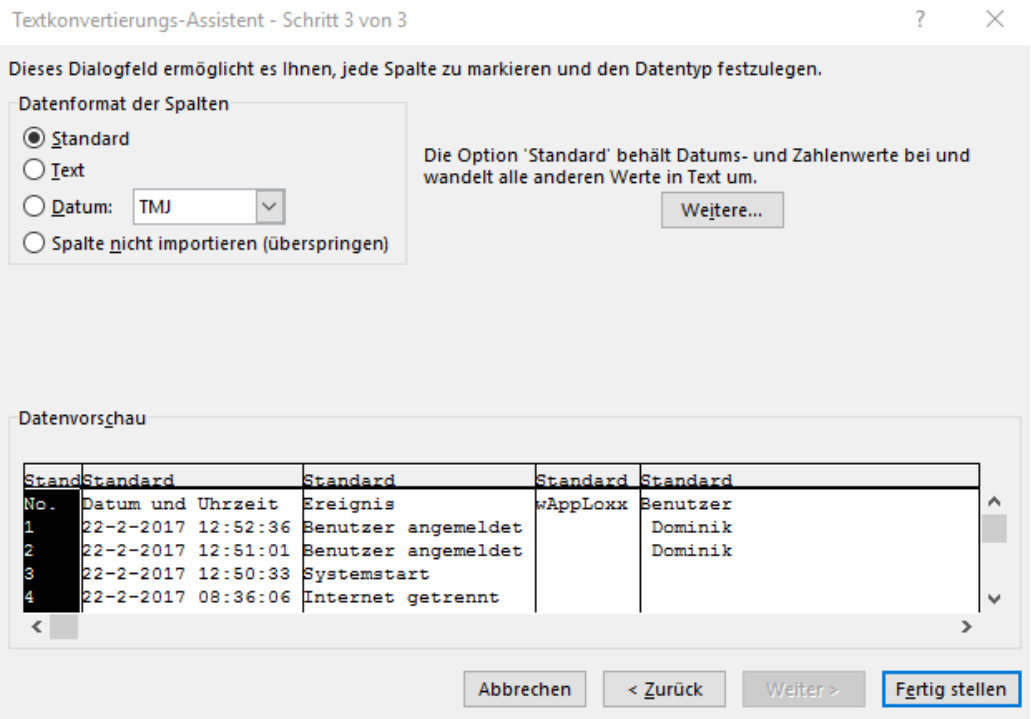
4. In the text import wizard, select file origin “Unicode (UTF-8)” and make sure that “Delimited” is selected. Then click “Next”.



5. Select “Tab” and “Comma” as delimiters and click on “Next”.



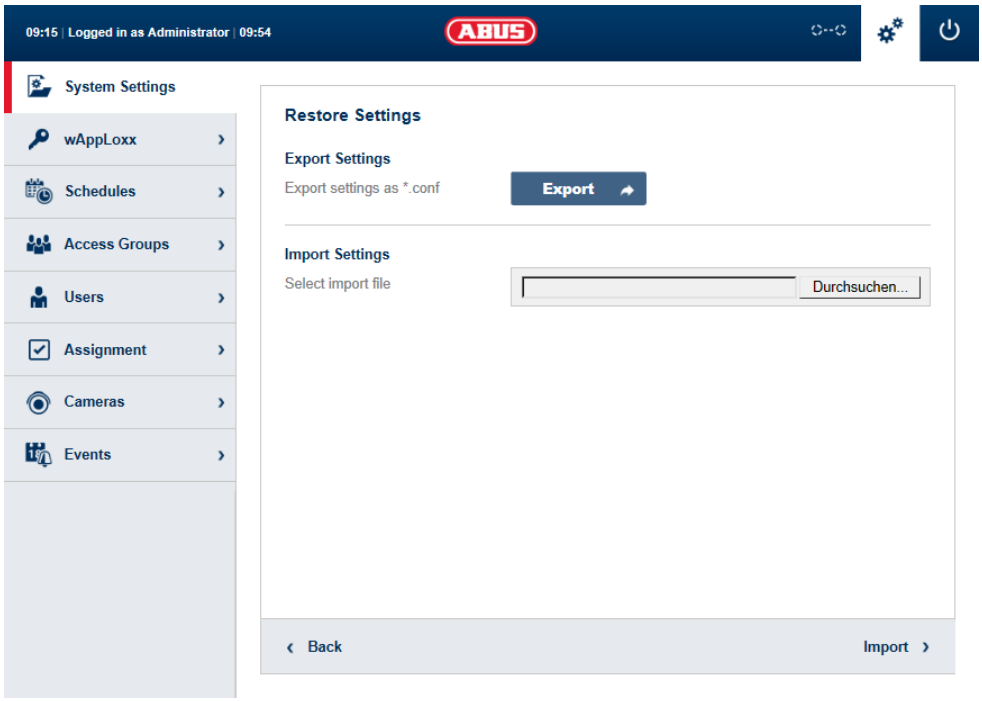
6. Now select the data format “General” and click on “Finish”.



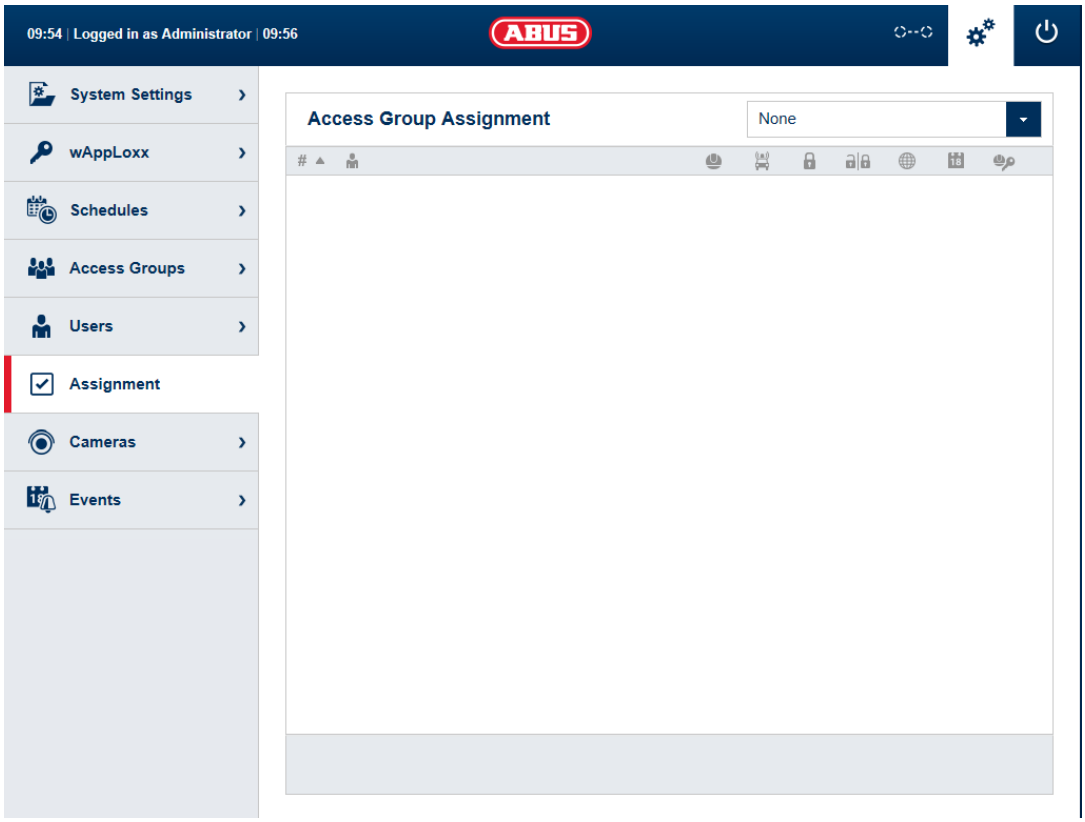
Import:
To reimport exported user lists, click on the “Import” button.

It is essential to ensure that only the exported, unformatted, original file can be used to import the users, e.g.In the event of a recovery of the wAppLoxx Control SE system.

For a successful user import, the data and column names must be created as a .csv file as shown in the example.



12. Assignment



Click on “Assignment” in the main menu to display the overview of the access groups and associated users. You can select the various access groups from the drop-down menu. This displays all users with the allocated permissions that are assigned to the access group.

13. Cameras

It is possible for video surveillance to be integrated into a wAppLoxx system.
Up to six IP cameras can be integrated into a wAppLoxx Control SE.

The following cameras are compatible:

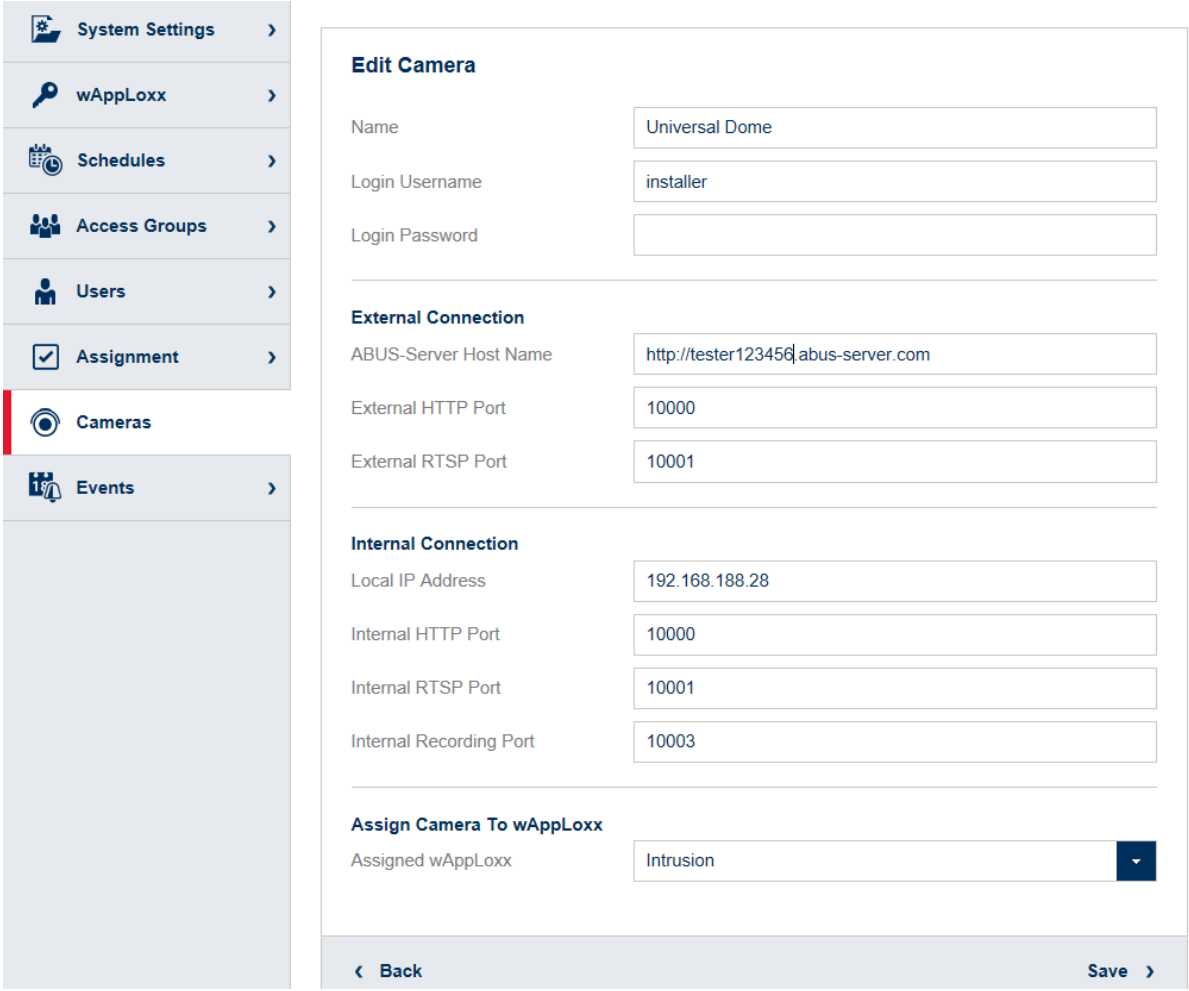
ABUS item no.	Name
IPCB42500	Vandalproof Mini Dome Outdoor 1080p (LAN)
IPCB42550	Vandalproof Mini Dome Outdoor 1080p (WIFI)
IPCB71500	Vandalproof Outdoor Dome 720p, 2.8–12 mm
IPCB72500	Vandalproof Outdoor Dome 1080p, 2.8–12 mm
IPCA33500	Indoor Dome 3 MPx,WDR
IPCA73500	Vandalproof Outdoor Dome 3MPx, WDR
IPCA76500	Outdoor Dome 6MPx,No True WDR
IPCA63500	Outdoor Tube 3MPx,WDR,BNC
IPCA66500	Outdoor Tube 6MPx,No True WDR
IPCA53000	Box, 3 MPx, WDR
IPCS72520	Outdoor Dome 1080p
IPCS62520	Outdoor Tube 1080p (2.8–12 mm), BNC
IPCS82520	Outdoor IP PTZ IR Ultra Low-Light 23x 1080p
IPBCB42501	Universal IP Mini Dome IR 1080p
IPCB42551	Universal IP Mini Dome IR WLAN 1080p
IPCB62500	Universal IP Mini Tube IR 1080p
IPCB72501	Universal IP Dome IR 1080p

Connecting an IP camera to wAppLoxx

Click on “Cameras” in the administration menu to see all IP cameras already installed. If you want to add a new IP camera, click on “Create”.

Your IP camera must be registered on the ABUS server before you can integrate it into the wAppLoxx Control SE.

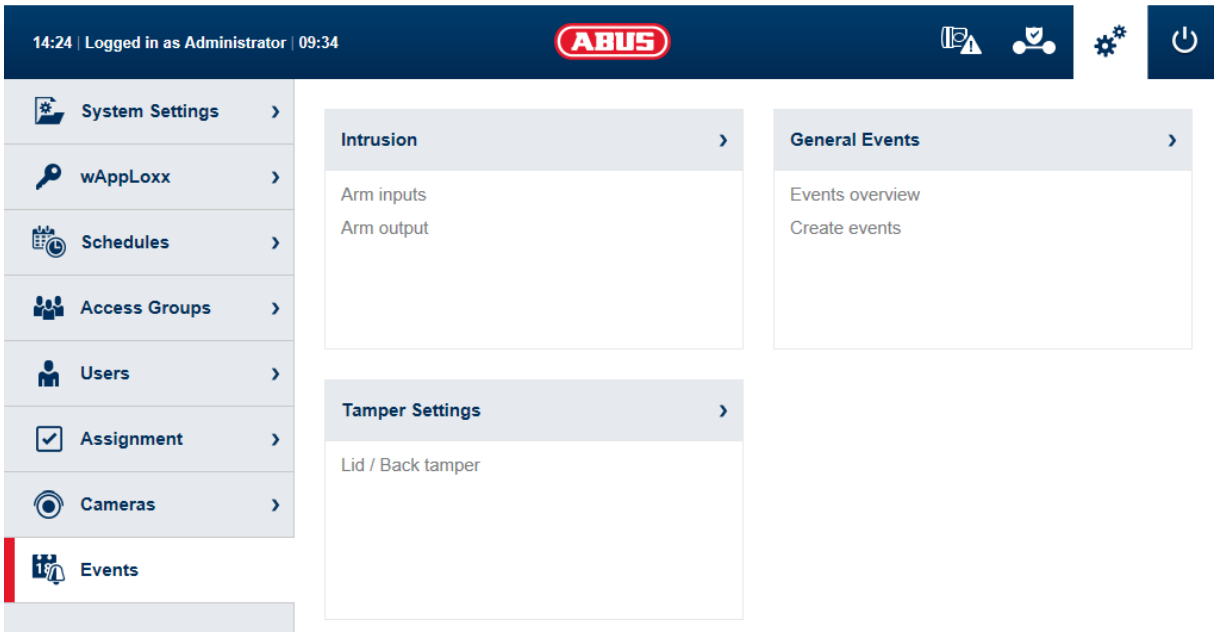
You can find out how to register an IP camera on the ABUS server in the instructions for your ABUS IP camera.



After you have registered your desired camera on the ABUS server, enter the data assigned by the ABUS server into the configuration menu.

You can now add the camera to the desired wAppLoxx cylinder.

14. Events



Intrusion

For more information, see **Chapter 14.1 Interface to Alarm System**.

General events

For more information, see **Chapter 14.2 General Events**.

Tamper settings

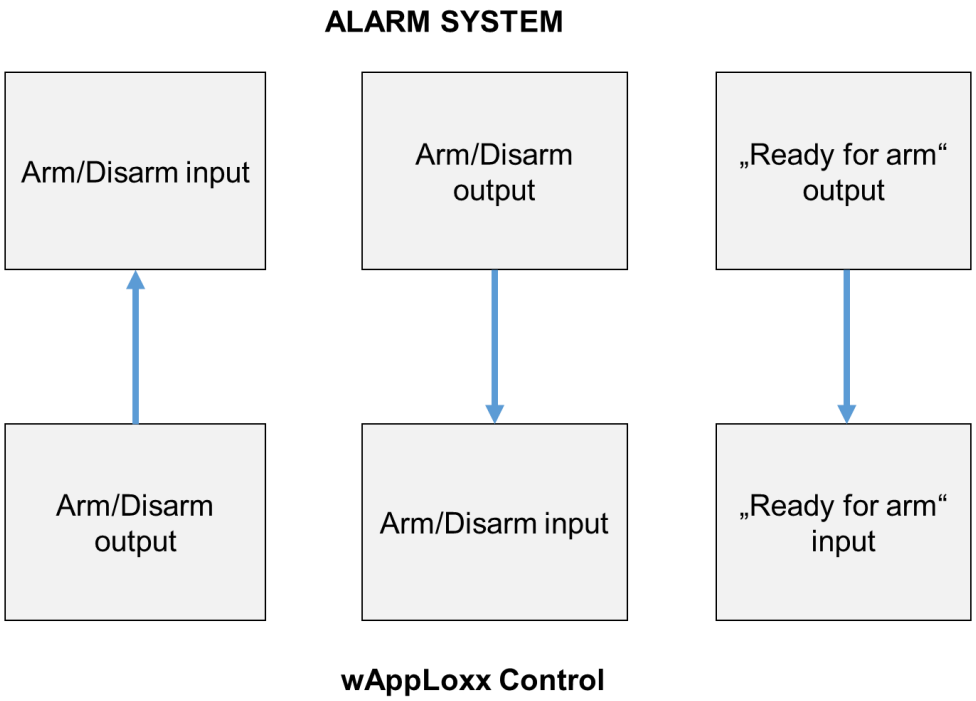
For more information, see **Chapter 14.3 Tamper Settings**.

Connection to the alarm panel:

We generally recommend connecting the power supply for the wAppLoxx Control SE directly via the alarm panel so that the wAppLoxx Control SE is also connected to the backup power supply.

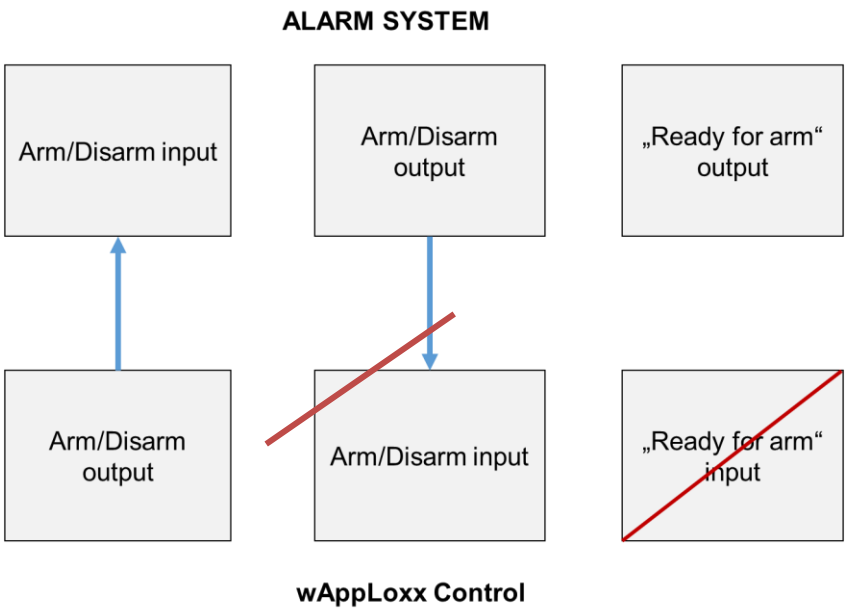
There are four options available for connecting the wAppLoxx Control SE to an alarm panel:

1. **Alarm system fully wired**



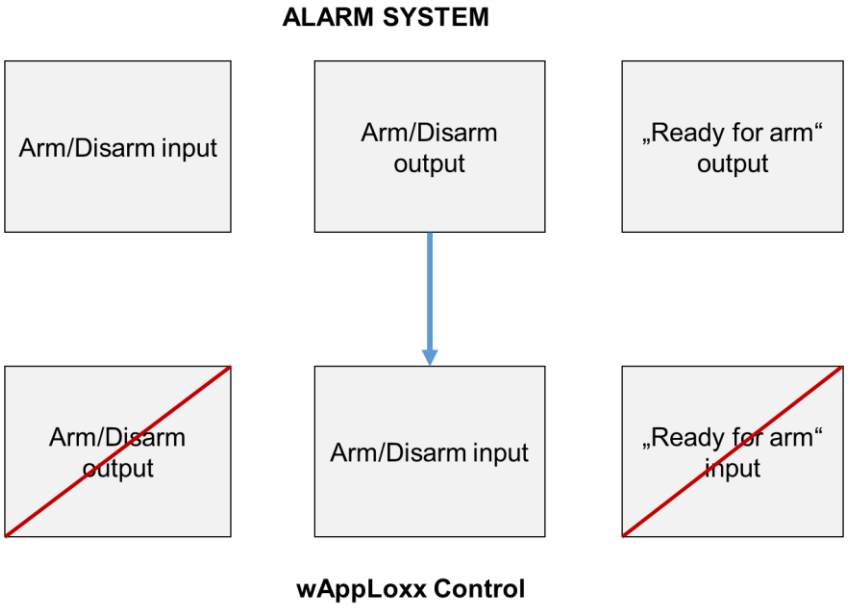
The Arm Input, Arm Output and Ready for Arm options are connected to the alarm panel.
This makes it possible to “arm” and “disarm” the system using the wAppLoxx Control SE. Furthermore, the Arm command is only sent when forced action is required via the Ready for Arm input.
The Arm Input has the highest priority and also operates the wAppLoxx Control SE at the same time.

2. Alarm system without Ready for Arm option (block magnet)



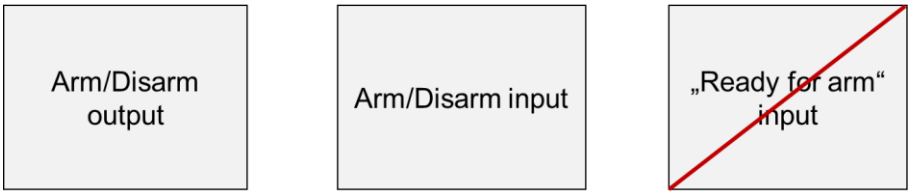
The Arm Input and Arm Output options are connected to the alarm panel.
This makes it possible to “arm” and “disarm” the system using the wAppLoxx Control SE; however, there is no forced action requested via the alarm panel.

3. Dominant alarm system (locking function via alarm panel)



Only the Arm Input is connected to the Arm Output of the alarm panel.
This involves using the alarm panel to lock the wAppLoxx Control SE in its “armed” position until the alarm panel unlocks it again.
It is not possible to use the wAppLoxx Control SE to “disarm” the system here. You can only actuate the connected wAppLoxx Cylinders when the alarm system is unarmed.

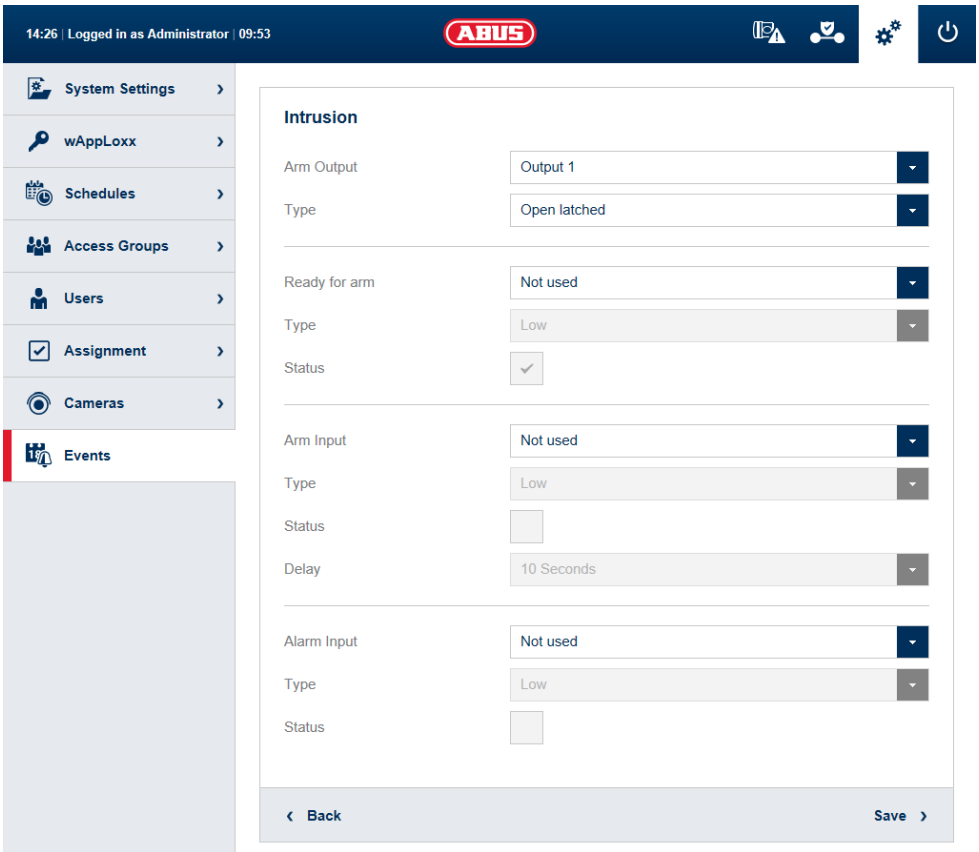
4. No alarm panel (locking function via wAppLoxx Control SE)



wAppLoxx Control

Only the Arm Output of the wAppLoxx Control SE is configured, although it is not connected.
This makes it possible to lock the cylinders with an Arm command until a valid Arm/Disarm medium is presented.

14.1 Interface to alarm system



To define an interface for an alarm system, select “Events” in the main menu, then click on “Intrusion”.

Arm output:

You can use the Arm Output to switch a connected alarm system from “armed” to “disarmed” and vice versa. Relay 1 is the default “arm”/“disarm” option.

Type:

Select between the various relay types required by the alarm panel you have connected.

Open latched:	**Relay closed when “armed”**
Closed latched:	**Relay open when “armed”**

Open timed:	**Relay closes for one second when “armed”**
Closed timed:	**Relay opens for one second when “armed”**

Ready for arm:

The Ready for Arm option requires a signal from the burglar alarm system on the wAppLoxx Control SE. If the alarm panel is not ready and the “Ready for arm” input is not active, the wAppLoxx Control SE prevents the system from “arming” and signals this via the wAppLoxx Cylinder.
Input 1 is used by default (see Chapter 3).

Type:

You can use the “Type” option to change the input processing method.

High: If 12 V are applied at the input, the alarm panel is ready for “arming”.
High: If 0 V are applied at the input, the alarm panel is not ready for “arming”.

Low: If 12 V are applied at the input, the alarm panel is not ready for “arming”.
Low: If 0 V are applied at the input, the alarm panel is ready for “arming”.

Status:

If this option is checked, then this input is active.

Arm Input:

You can use the Arm Input to switch between “arming” and “disarming” the wAppLoxx Control SE for a connected alarm panel.
Each time the connected alarm panel switches between its “armed” and “disarmed” status, the wAppLoxx Control SE is also switched between “armed” and “disarmed” accordingly.
This ensures that the connected alarm panel and the wAppLoxx Control SE have the same status.
Input 2 is used by default (see Chapter 3).

Delay:

Select a delay time of between 10 and 20 seconds. The delay time defines how long the alarm panel has to wait.

Type:

You can use the “Type” option to change the input processing method.

High: If 12 V are applied at the input, the wAppLoxx Control SE is “armed”.
High: If 0 V are applied at the input, the wAppLoxx Control SE is “disarmed”.

Low: If 12 V are applied at the input, the wAppLoxx Control SE is “disarmed”.
Low: If 0 V are applied at the input, the wAppLoxx Control SE is “armed”.

Status:

If this option is checked, then this input is active.

Alarm input:

An alarm is signalled via the alarm input for the wAppLoxx Control SE.
Input 3 is used by default (see Chapter 3).

Type:

You can use the “Type” option to change the input processing method.

High: If 12 V are applied at the input, the alarm status is active.
High: If 0 V are applied at the input, the alarm status is not active.

Low: If 0 V are applied at the input, the alarm status is active.
Low: If 12 V are applied at the input, the alarm status is not active.

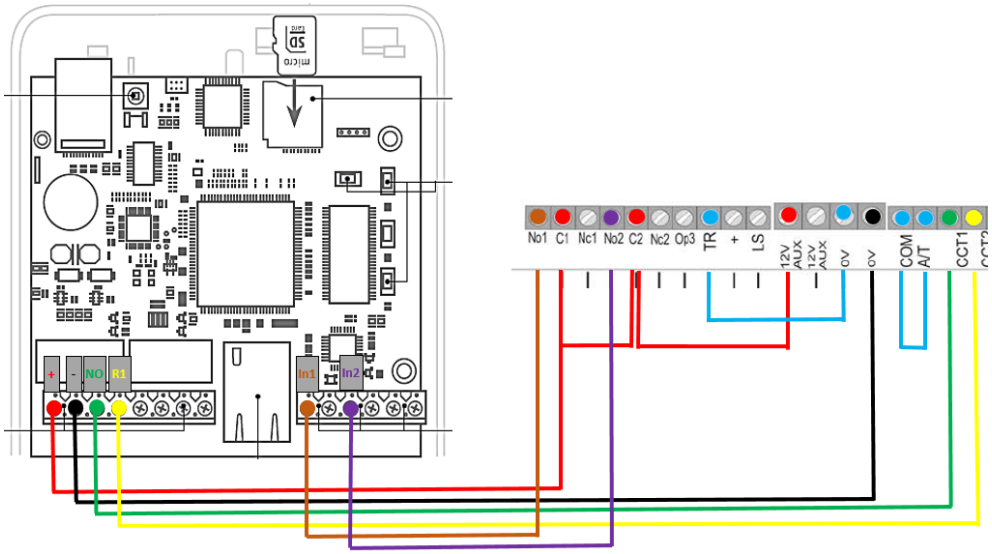
Status:

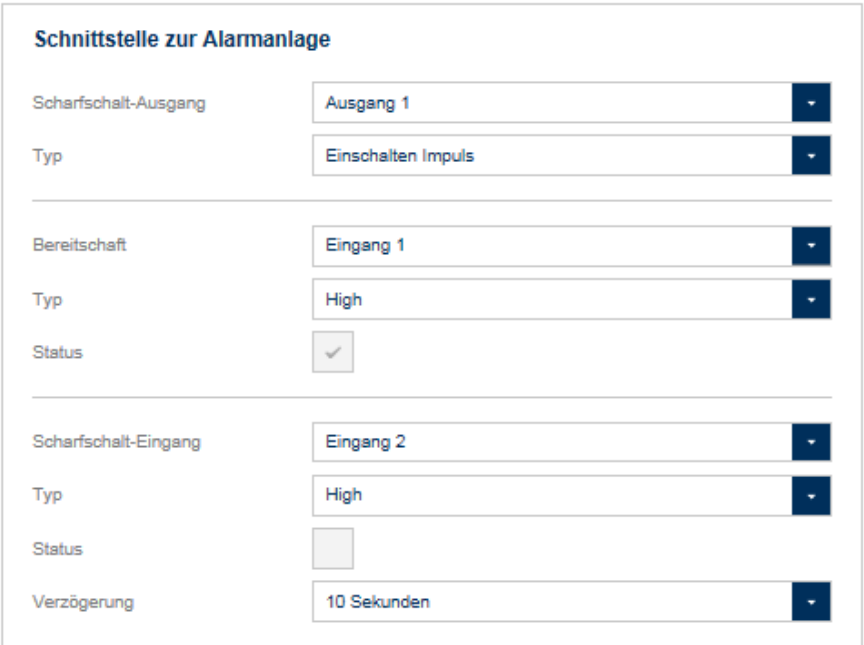
The current status of the input is displayed. If this option is checked, then this input is active.

14.1.1 Example – Terxon M

The following example shows the wiring between wAppLoxx Control SE and the Terxon M (AZ41XX). On the wAppLoxx Control SE, Input 1 is used for arming preparation and Input 2 for arming acknowledgement. Thus, output 1 of the wAppLoxx Control SE controls the zone input 1 on the Terxon M for arming.

CTRL **Terxon M**





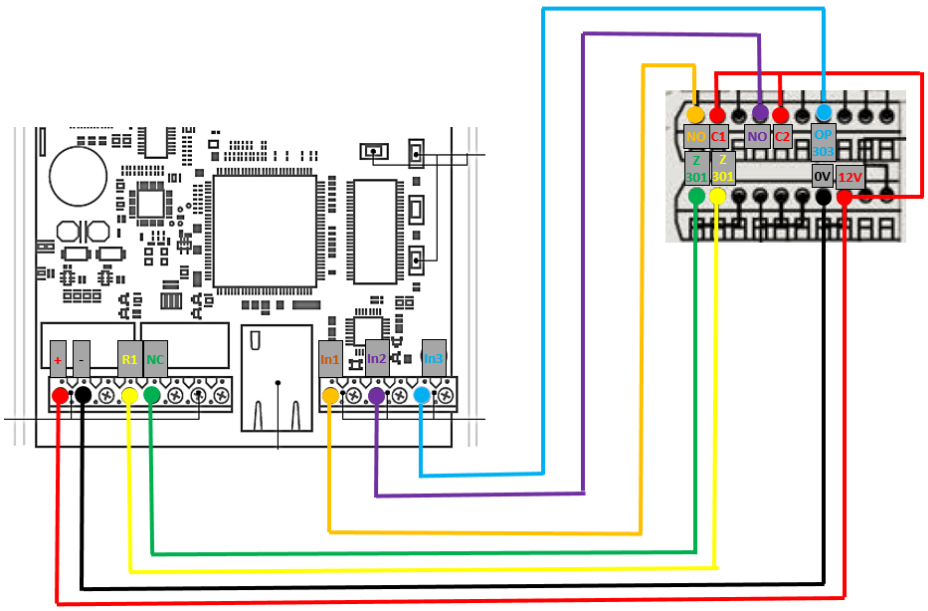
Please note the appropriate Terxon M programming settings for the relay outputs and zone inputs.

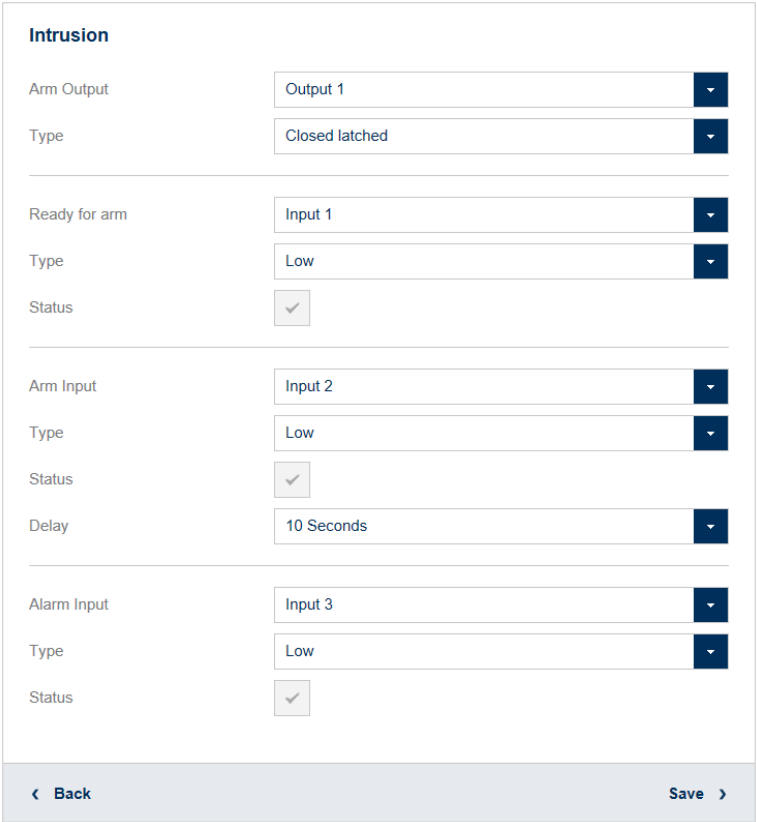
14.1.2 Example – Secvest

The following example shows the wiring between wAppLoxx Control SE and the Secvest (ABUS item number FUAA500XX).

On the wAppLoxx Control SE, Input 1 is used for arming preparation, Input 2 for arming acknowledgement and Input 3 in case of alarm. Thus, output 1 of the wAppLoxx Control SE controls the zone input 1 on the Secvest for arming.

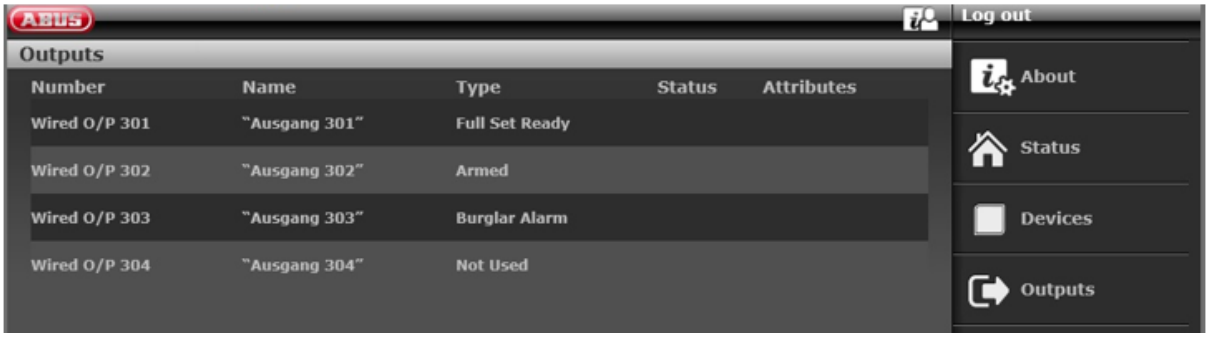
CTRL **Secvest**





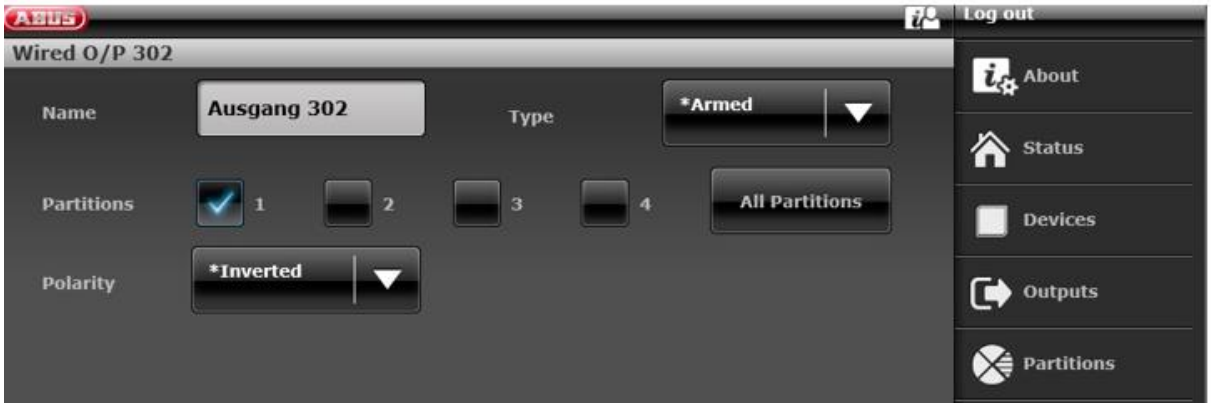
Please note the appropriate Secvest programming settings for the relay outputs and zone inputs.

Outputs:



Output 301:

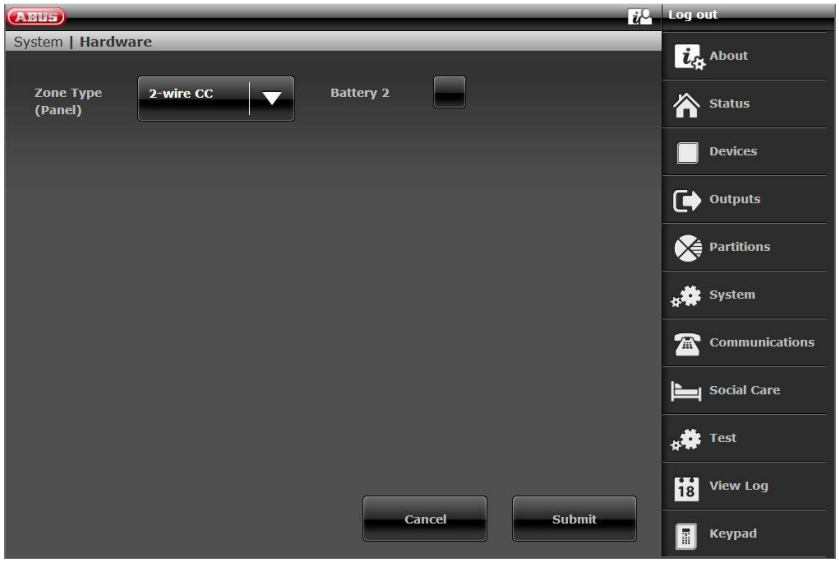
Output 302:



Output 303:

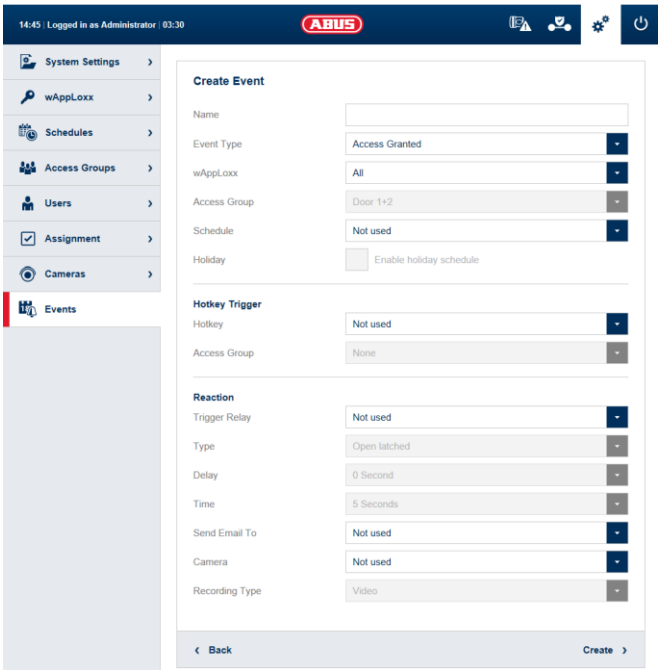
Zone 301:

Please note the appropriate Secvest programming settings for the zone type (applicable for this wiring and programming example)



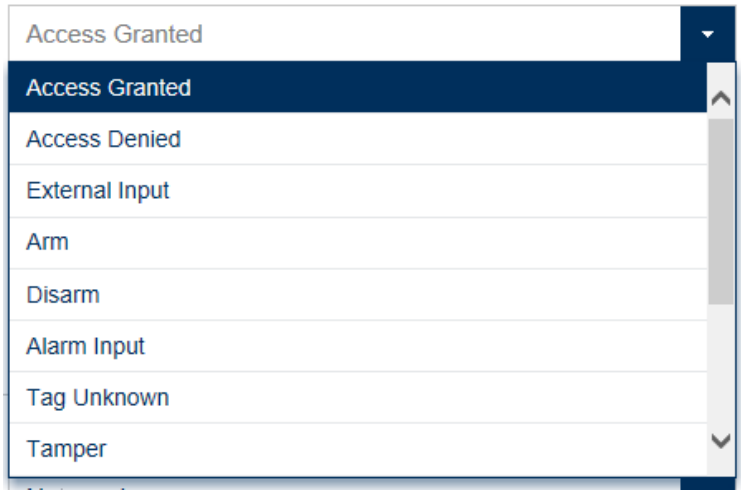
14.2 Creating events

To create an event, select “Events” in the main menu, then click on “Create Event”.



An event always comprises an action and a reaction.

Enter a name for the event and select and event type.



Event type:

Select an event type to be followed by a reaction.

Access granted	Action starts as soon as access is granted.
Access denied	Action starts as soon as access is denied. (Access blocked and access outside the permitted time frame).
External input	Action starts as soon as the input is active.
Alarm input	Action starts as soon as the alarm input (external input 3) is active and an alarm has been triggered.
Armed	Action starts as soon as the alarm system has been successfully “armed”.
Disarmed	Action starts as soon as the alarm system has been successfully “disarmed”.
Tag unknown	Action starts as soon as an unknown tag is presented at a selected door. (Only the tags that function with the set mode are recorded.)
Tamper	Action starts as soon as the tamper contact is interrupted.
Battery warning	Action starts as soon as the selected wAppLoxx Cylinder displays a battery warning.
Battery count warning	Action starts as soon as the selected wAppLoxx Cylinder has reached the maximum number of switching cycles. This is a battery warning which is sent when the maximum guaranteed number of openings per wAppLoxx Cylinder is reached.
Supervision loss	Action starts as soon as a cylinder does not respond during supervision (every 24 hours).
Internet disconnected	Action starts as soon as there is no longer an internet connection to the Control.

Hot key: The hot keys can be used to control a relay in the wAppLoxx Control SE.

wAppLoxx:
Select the door at which the event must take place to trigger an action.

Access group:
Select the access group in which the action must be performed. This concerns all doors linked to the access group.

Schedule:
Establish which schedule is to be selected.

Holiday:
Select whether the holidays are to be taken into consideration for the event.

Hot key trigger:
Select which hot key you want to use for which access group.

Reaction:
As soon as an action is activated, an operation can be carried out by means of the reaction.

Trigger relay:
If, after an action, a relay is to be triggered as a reaction, select relay
Output 2 (relay connection 2, see Chapter 3).

Type:
Choose between the various relay types.

Open timed: **Relay closes for a set period when the action is activated.**
Closed timed: **Relay opens for a set period when the action is activated.**

Delay:
Set the delay time for relay 2. The delay time delays the start of the switching process.

Time:
Set the switching time for the relay.

Send email:
Select the email recipient you would like to inform about a defined event.

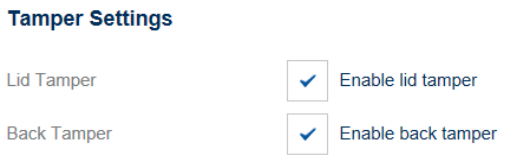
Camera:

Select the camera you would like to control for a defined event.

Reaction (camera):

Here you can select the desired reaction (either video recording or snapshot) when arming a camera.

14.3 Tamper settings



Select “Events” in the main menu and then, if you would like to query the lid or back tamper contacts, click on “Tamper Settings” to evaluate these via an event (see Chapter 13.2).

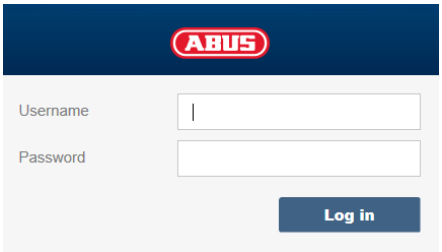
Lid tamper:
Check this box to activate monitoring of the lid tamper switch.

Back tamper:
Check this box to activate monitoring of the back tamper switch.

As soon as monitoring is activated, the “Tamper” event type can trigger an action. Create an appropriate event for this, see 13.2.

15. User interface

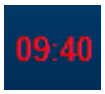
To access the user level, enter the user data. User data is created in the administrator user menu (Chapter 11. Users).



Tooltips are displayed the first time you log in. These can be shown or hidden by clicking on the question mark in the upper toolbar.

We recommend that users change their password after starting up for the first time. When selecting the user name (“Logged in as ...”) the change password menu will open.

	Click this button to access the flashing light display.
	Click this button to activate the QR scan display.
	Click this button to delete your own tag.
	Click this button to enter the Event Log menu.

	Click this button to log out.
	Click this button to toggle the tooltips on and off.
	Click this button to access the remote overview.
	Click this button to (force) disarm the alarm system.
	The user can deactivate the Auto-Log Timer by clicking on the time.

15.1 Remote functions

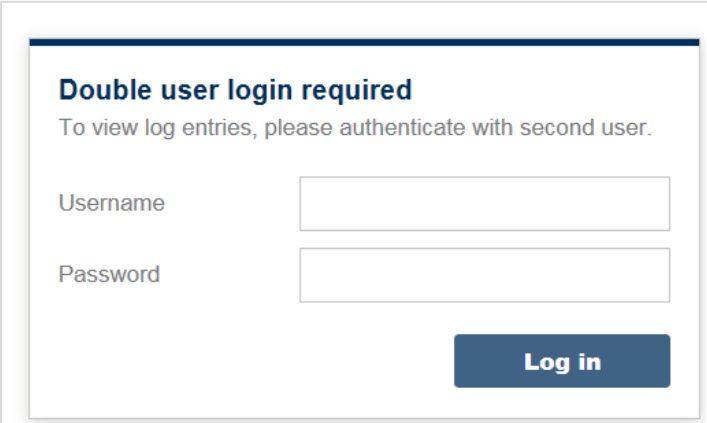
Click this button to arm or disarm a connected alarm system.
This takes all settings from Chapter 13.1 into consideration.

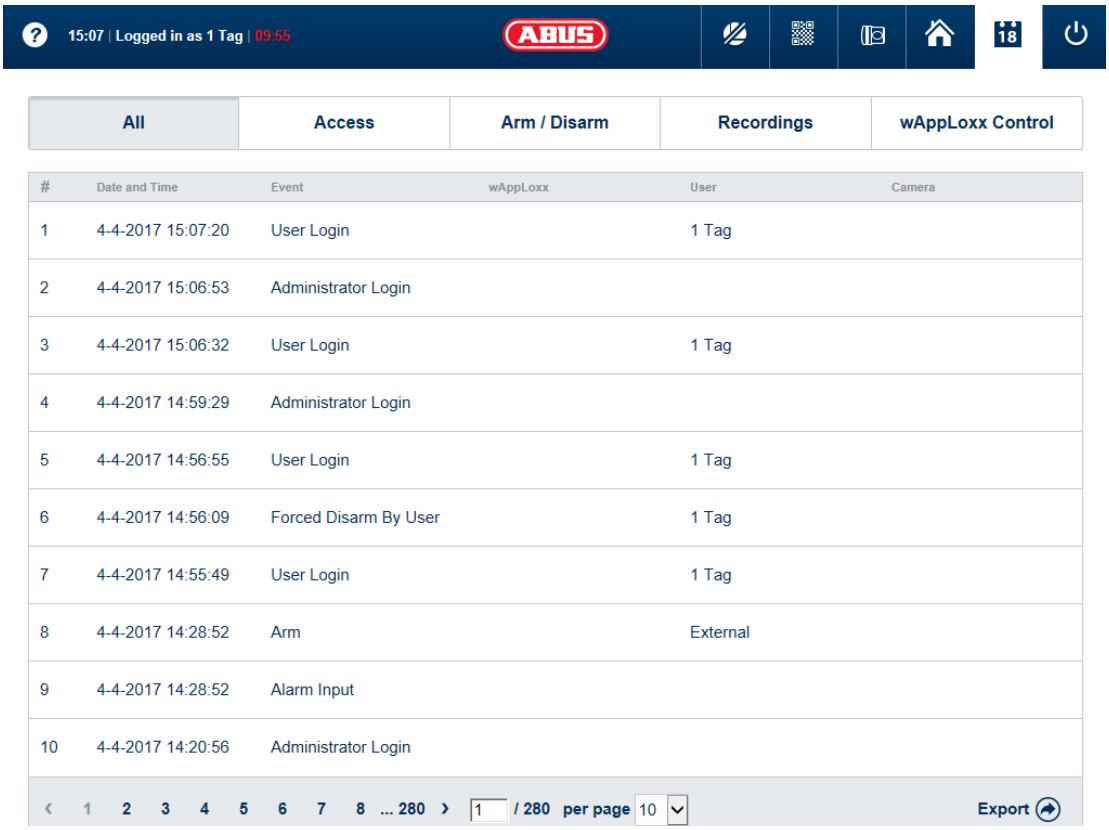
This button activates the remote control function of the wAppLoxx for 30 seconds. Pressing it again stops the function immediately. After activating the remote opening function, the outer knob on the wAppLoxx Cylinder must be turned to carry out an opening.

Only doors for which the user has access permission are shown. Intrusion cylinders are greyed out when alarm system is armed and the remote control function can only be used after the alarm system is deactivated.
For Access cylinders, the remote control function can also be used when the alarm system is armed.

15.2 Protocol/Event Log

To protect sensitive personal data, the wAppLoxx Control SE can be configured so that the event log is only displayed after a second authorised user logs in
(see Chapter 6.2. “Two-man rule” for more information).





Possible event entries:

Access Granted

Access Denied

Remote Access

Tag Unknown

Armed

Disarmed

Battery Warning

Signal Loss

Secure Mode Activated

Secure Mode Deactivated

Administrator Login

User Login

Double Login

Login Failed

System Boot

System Reboot

Restore Default

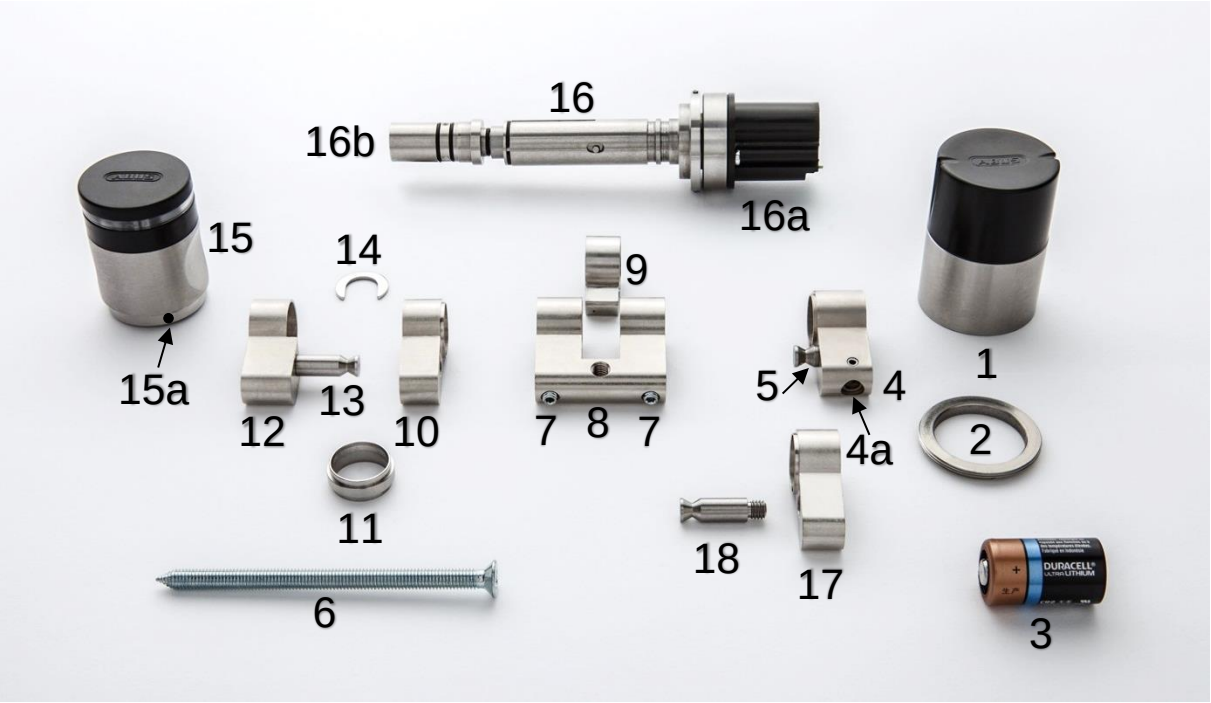
External Input

Tamper Activated

Internet Connected

Internet Disconnected

16. Installing the wAppLoxx Cylinder



1. Inner cap
2. Mounting plate
3. Battery
4. Interior cylinder

4a. Handle bolt

5. Adapter bolt base element
6. Fixing screw
7. Cylinder body threaded pin
8. ZL adapter
9. Complete WLX cam
10. Cylinder extension
11. Exterior adapter sleeve
12. Exterior cylinder *(exposed side in the event of a break-in attempt)*
13. Adapter bolt – 10 mm
14. Fixing washer
15. Outer knob

15a. Retaining ring

16. Telescopic axis

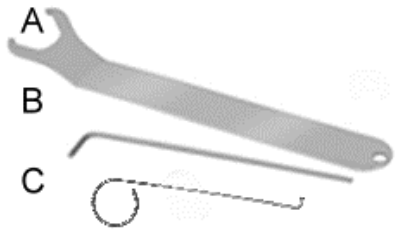
16a. Battery holder

16b. Axis end piece *(exposed side in the event of a break-in attempt)*

17. Cylinder extension
18. Adapter bolt

} Included in scope of delivery for extension kit CLX-Z-V-10

Tool kit scope of delivery (ordered separately):



A. Key to open inner cap

B. Allen key

C. C-wrench for half cylinders

Installation of wAppLoxx double knob cylinder:

wAppLoxx as delivered

- Outer knob (15) and inner cap (1) are installed.
- The battery (3) is not yet inserted.
- The **wAppLoxx** is delivered at a length of 30/30 in this example.
- The closing cam is coupled to prevent accidental locking.

Removing the outer knob

The outer knob (15) must be removed to insert the **wAppLoxx** double knob cylinder into the lock from the inside:

Loosening the threaded pin retaining ring

Rotate the retaining ring (15a) until the first threaded pin is visible. Now loosen the threaded pin with the Allen key (B). The threaded pins cannot be removed completely. As soon as a threaded pin reaches the retaining ring, tighten it again slightly by rotating it one revolution clockwise. The retaining ring cannot be rotated any further. Loosen the other two threaded pins in the same way. This involves rotating the retaining ring (15a) by 120° until the other threaded pins are visible. The outer knob (15) can now be removed.

Removed outer knob

Outer knob (15) completely removed

Installing wAppLoxx in the door

Once the outer knob (15) has been removed, the **wAppLoxx** can be pushed from the inside using the door leaf. The **wAppLoxx** is fixed with the fixing screw (6) in the lock body like a mechanical lock cylinder.

Installing the outer knob (15)

The outer knob (15) can now be reinstalled. The procedure for installing the outer knob (15) is similar to that for removing it. Start by pushing the outer knob (15) to the axis end piece (16b) or the telescopic axis (16). Then rotate the outer knob (15) until it connects directly to the exterior cylinder (12). To fix the outer knob (15) in place, rotate the retaining ring (15a) until the first threaded pin is visible. The threaded pin can now be screwed in using the Allen key (B). The other two threaded pins are to be fixed in place in the same way.

We recommend removing the inner cap (1) before completing this step and holding the **wAppLoxx** on the battery holder (16a) with one hand. This prevents the telescopic axis (16) from spinning with the outer knob (15) and ensures it is not possible to push the outer knob (15) onto the exterior cylinder (12).

Removing the inner cap (1)

The inner cap (1) has to be removed to insert the battery (3) or to be able to press the initialisation button.
Using the key (A) for the inner cap, position the mounting plate (2) in its groove and unscrew the inner cap (1).

Inserting the battery

To insert the battery (3), swivel the contact plate (metal plate on battery holder 16a) to the side. The CR2 battery (3) can now be inserted. Make sure the polarity is correct: positive pole towards the contact plate.

When changing the battery, make sure that the cylinder remains de-energised for at least 10 seconds.
This is the only way to ensure that the pop-up for resetting the battery warning appears. If a new battery is inserted, this has to be confirmed. See Chapter 5 for more details.

Installing the inner cap

The inner cap (1) is screwed back on by securing the mounting plate (2) using the key (B).

It must be ensured here that the orange O-ring is properly fitted in order to prevent it being damaged.

If, after the cylinder is **initialised for the first time**, a battery warning appears, remove the battery again and then reinsert it after waiting 10 seconds.

After the cylinder is initialised for the second time, the notification should no longer appear.

Installing the wAppLoxx: Adjusting the cylinder body to suit the door thickness:
(In this example, the **wAppLoxx** is extended to a total length of 80 a: 40/i: 40)

Removing the outer knob (15)
Remove the outer knob (15) as described in “Removing the outer knob”.

Removing the exterior cylinder (12)
Start by screwing down the cylinder body threaded pin (7) using the Allen key (B). The exterior cylinder (12) can be removed and also extended.
Even if only the interior cylinder (4) is extended (as in this example), the outer must still be removed first.

Removing the ZL adapter (8) and cam (9)
Before the interior cylinder (4) can be extended, the ZL adapter (8) still has to be removed from the inner (4). The interior cylinder (4) can be loosened from the ZL adapter (8) using the Allen key (B). The ZL adapter (8) and the cam (9) can be removed from the telescopic axis (16) in the direction of the arrow) using a rotational movement.

The interior cylinder (4) can now also be extended.

Removing the adapter bolt base element (5)

The screwed-in adapter bolt base element (5) must first be removed from the interior cylinder (4).

Installing the 10 mm adapter bolt (18)

The 10 mm adapter bolt (18) from the extension kit must then be screwed into the interior cylinder (4).

Extending the interior wAppLoxx Cylinder:

The interior cylinder (4) must now be screwed to the appropriate 10 mm cylinder extension (17) and the ZL adapter (8) using the Allen key (B) (in the same way that it was removed).

Installing the exterior cylinder (12)

To also extend the exterior cylinder (12) back to 40 mm (as it was delivered, in this example), you must first slide the appropriate 10 mm cylinder extension (17) onto the telescopic axis (16).

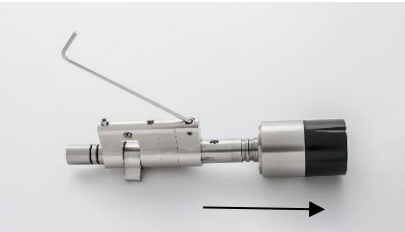
Installing the exterior cylinder

In the next step, connect the exterior adapter sleeve (11) to the 10 mm cylinder extension (17) that was previously slid on. Now insert the fixing washer (14) between the exterior adapter sleeve (11) and the axis end piece (see photo). In the next step, the exterior cylinder (12) can be connected to the pre-installed cylinder using the installed 10 mm adapter bolt (17). The connected parts can now be secured to the ZL adapter (8) using the threaded pin (7) as described under “Removing exterior cylinder”.

Installing the outer knob (15)

Finally, secure the outer knob (15) back in place, as described under “Installing the outer knob”.

Proceed as follows for maintenance and cleaning work or to replace the entire telescopic axis:



Installing the telescopic axis (16)

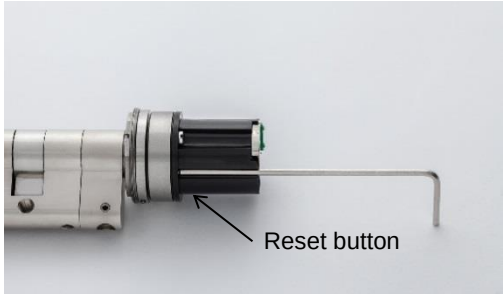
To remove the telescopic axis (16) start by removing the outer knob (15) and exterior cylinder (12). The telescopic axis (16) can then be removed from the ZL adapter (8) in the direction of arrow 2. When doing so, please note that the handle bolt (4a) must be removed from above using the Allen key (B) (levered, see arrow). Follow the same principle to reinstall the axis (16). This removal process is only necessary if you are replacing the entire telescopic axis.

17. Logging the wAppLoxx Control SE into and out of the wAppLoxx Control SE

Starting the login process:

Create a new wAppLoxx Cylinder via the wAppLoxx user interface and click on “Register”. For more information, see Chapter 8.1.

Logging a wAppLoxx Cylinder in:



Once you have clicked on “Register”, you are asked to press the reset button for the wAppLoxx Cylinder. The reset button can be accessed via the groove on the battery holder (16a), see arrow. To initialise the wAppLoxx Cylinder, press the reset button with the rounded end of the Allen key (B) for around 5 seconds. Following a successful login, the cylinder is displayed in the control.

Logging a wAppLoxx Cylinder out:

You can either log the wAppLoxx Cylinder out directly via the wAppLoxx Control SE (see Chapter 8) or via the cylinder itself. The process of logging out via the cylinder is similar to logging in, except you do not have to initiate the logging out process via the wAppLoxx Control SE. Press the reset button for approx. five seconds.

If the cylinder is logged out and in the wireless range of the wAppLoxx Control SE, it is automatically deleted from the cylinder list.

Important!

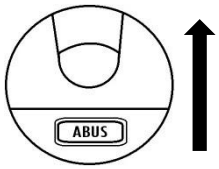
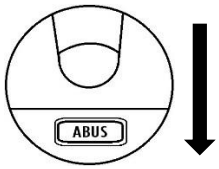
If fallback tags are stored in the wAppLoxx Cylinder to be logged out, the cylinder flashes red ten times after the logout process. While the cylinder is flashing, one of the previously created fallback tags must be presented to finalise the logout process.

If no fallback tag is presented during this time, the logout process cannot be completed.

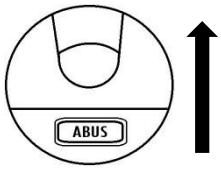
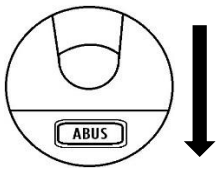
18. Operating the wAppLoxx Cylinder

Brief blue flash	A brief blue flash signals that the tag is being read and sent.

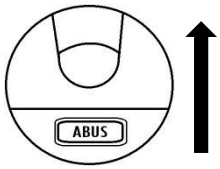
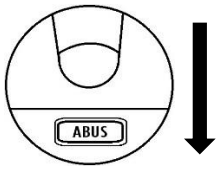
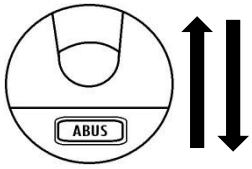
Unlocking/opening/locking:

	1. Present a valid tag to the reader.
2 × green	2. After presenting the tag: **2 × rapid** green flashes.
	3. Remove tag. The system is coupled for 6 or 12 seconds. The door lock is actuated with the outer knob.

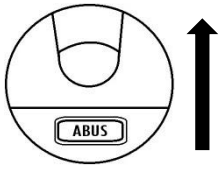
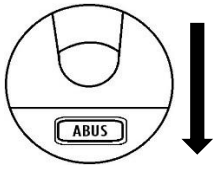
Disarming:

	1. Present a valid tag to the reader.
Green	2. After presenting the tag: **1× rapid** green flash.
	3. Remove tag. The system is coupled for 6 or 12 seconds. The door lock is actuated with the outer knob.

Arming:

	1. Present a valid tag to the reader.
2 × green	2. After presenting the tag: **2 × rapid** green flashes.
	3. Remove tag. The system is coupled for 6 or 12 seconds. The door lock is actuated with the outer knob.
	4. Present the tag to the reader again while coupled and then remove it.
Red	5. The cylinder acknowledges the successful arming process with a red light.

Using the fallback tag:

	1. Present a valid fallback tag to the reader.
2 × blue, 2 × green	2. After presenting the tag: **Rapid** blue and green flashes.
	3. Remove tag. Repeat process 3 times. The system is coupled for 6 or 12 seconds. The door lock is actuated with the outer knob.

Possible acknowledgements of the wAppLoxx Cylinder:

2 × green	Access
3 × red	Access Denied
Red	System is armed
Green	System is disarmed
3 × red, 2 × green	Battery Warning
2 × green, 2 × blue	Authorised fallback transponder was presented
2 × blue, 3 × red	Unauthorised fallback transponder was presented
2 × blue	No wireless connection to the wAppLoxx Control SE
6 × red	The wAppLoxx Control SE is not ready for arm The wAppLoxx Control SE receives no feedback from the alarm panel

Possible acknowledgements of the wAppLoxx Cylinder login/logout process:

Permanent green light	Login required
2 × green	Login successful
3 × red	Logout successful
2 × blue	Login Failed
10 × (red)	Fallback tag required to log out

Possible acknowledgements of the wAppLoxx Cylinder commissioning process:

2 × red	Communication with the outer knob possible
2 × blue	Communication with the wireless module possible
2 × green	Communication with the wAppLoxx Control SE possible

19. Tips for troubleshooting – FAQ

No.	Problem	Possible cause	Solution
1	The wAppLoxx Control SE does not function	Lack of power supply	Check whether the connection between the power supply and the wAppLoxx Control SE is correct and secure. Check whether the power supply unit in use is appropriate. Check whether the power supply unit is defective. See Chapter 3 for more details.
2	No access to the wAppLoxx Control SE via the website	No network connection	Check whether the connection between the network cable and the wAppLoxx Control SE is correct and secure. Reset the network settings using reset button D. If it is still not possible to connect, restart the wAppLoxx Control SE using reset button A. Follow the instructions in Chapter 4, version 1 or 2.
3	No control commands – or else defective ones – in connected systems	Outputs connected or programmed incorrectly	Check whether the connection between the outputs and the wAppLoxx Control SE is correct. See Chapter 3 for more details. Check whether the outputs are programmed correctly. Check whether the maximum switching load of 2 A is observed. See Chapter 13 for more details.
4	No reaction – or else an incorrect one – to control commands in connected systems	Inputs connected or programmed incorrectly	Check whether the connection between the inputs and the wAppLoxx Control SE is correct (see connection overview in Chapter 3). Check the polarity and adequacy of the control voltage. Check whether the inputs are programmed correctly. See Chapter 13 for more details.
5	The wAppLoxx Cylinder signals radio-frequency interference.	Wireless range, source of interference, structural considerations	If possible, reduce the distance between the wAppLoxx Control SE and the wAppLoxx Cylinder. Check the surrounding area for potential interference and eliminate these if necessary. Observe the safety information in Chapter 1.1.

6	Access not granted although the configured period is correct.	The system time for the wAppLoxx Control SE is not correct.	Check whether the system time for the wAppLoxx Control SE has been set correctly. If an NTP server is in use, check your network settings and the internet connection. See Chapter 6 for more details. If the error has arisen after a power cut, check the battery in the wAppLoxx Control SE.
7	Access not granted although the configured period is correct.	Users assigned to incorrect access group or none at all	Check whether the user is assigned to the correct access group.
8	No tamper notifications are received.	Incorrect configuration or installation	Check whether the wAppLoxx Control SE was installed correctly. The wAppLoxx Control SE must be firmly secured to the wall and the cover must fit properly and be screwed in place so that both springs are suitably depressed when in normal condition. Check whether tamper monitoring is activated. See Chapter 13.3 for more details.
9	Following a valid authorisation input the LED blinks red three times/green twice. Only after this flashing signal will it be possible to operate the door.	Battery Warning	Replace battery.
10	The notification “IP address blocked. Please wait ...” appears when logging in.	Incorrect password	Check that your user name and password have been entered correctly and that caps lock is turned off.

Conditions of use for wAppLoxx

Data protection
We would like to inform you about the data protection principles applicable to your wAppLoxx product. The General Data Protection Regulation (GDPR), along with other legal regulations governing data protection, form the basis of these principles.

Visit our privacy protection statement for more details:
https://www.abus.com/uk/Privacy-protection

Personal data
Personal data is relevant to data protection. According to Article 4 of the GDPR, individual items of information about personal or factual circumstances of an identified or identifiable person are relevant to data protection. In particular, this includes information such as user name, password and email address, and in accordance with a number of judicial rulings, usage data such as the public IP address.

Usage and purpose of data collection
The wAppLoxx product may only be used after the user has agreed to the conditions of use according to Article 7 of the GDPR. The user hereby agrees to provide the following data to **the wAppLoxx online service**, which is required within the scope of rendering service:

- Device ID
- Public and local IP address of the device

When using the device online, we collect, save and use the aforementioned personal data.

Transfer to third parties
Data will, by principle, not be forwarded to third parties, so long that it is not required to render the service. Information will only be shared with public authorities or other state institutions within the framework of legal obligations to provide information or as a result of court orders. If instructed to do so by the responsible authorities, in individual cases we may share information about this data, providing it is required for law enforcement, for averting dangers, for fulfilling any legal responsibilities assigned to the Office for the Protection of the Constitution, for military counterintelligence or for enforcing rights to intellectual property.

Right of access and withdrawal
You can obtain details of the data saved about you at any time, free of charge and without the need to state a reason. You can object to data being collected and saved at any time. You can also withdraw consent to data collection and usage without the need to state a reason at any time. The deletion of data collected about you, and an objection to data collection, storage and usage will result in the deactivation of the **wAppLoxx online service**.

Please use the following address to do so:

ABUS Security-Center GmbH & Co. KG
Linker Kreuthweg 5
86444 Affing, GERMANY
Telephone: +49 (0)8207 / 95990-333
Email: info.de@abus-sc.com

We are happy to help with any further questions you may have regarding our data protection notice, and regarding the handling of your personal data. Please contact us at datenschutz@abus.de.

You are required to connect your wAppLoxx product to our online services in order to access the full range of functions. In the event of a revocation of consent to the processing of your personal data you are required to stop using the wAppLoxx online service. In this case, you have the option to use your wAppLoxx product with a limited range of functions.

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Please contact your dealer or dispose of the products at the
local collection point for electronic waste.

ABUS Security-Center GmbH & Co. KG

Linker Kreuthweg 5

86444 Affing

If you have any technical questions, please contact your specialist dealer.