Security Tech Germany

Installation instructions and user guide

wAppLoxx Pro Bridge Box

ACPA00001	WLX Pro Bridge Box Intrusion
ACPA00008	WLX Pro Bridge Box Access
ACPA00009	WLX Pro Bridge Box Industrial Access
ACPA00010	WLX Pro Bridge Box Industrial Intrusion

wAppLoxx Pro Wall Reader

(including outdoor version)

ACPA00005	WLX Pro Wall Reader white
ACPA00003	WLX Pro Wall Reader black
ACPA00004	WLX Pro Wall Reader Outdoor white
ACPA00002	WLX Pro Wall Reader Outdoor black

CE

Contents

1. General 3
Safety information 3
2. Technical data 5
2.1 wAppLoxx Pro Bridge Box 5
wAppLoxx Pro Wall Reader 6
3. Installation instructions for preparing the Wall Reader 7
3.1. Ferrite ring core → cable 7
3.2. Foam rubber → Gira IP44 frame 7
4. Description of the Bridge Box 8
5. Process for pairing the Wall Reader with the Bridge Box 9
6. Process for pairing the Bridge Box with the wAppLoxx Pro Control **Fehler! Textmarke nicht definiert.**
6. Process for unpairing the Bridge Box and the wAppLoxx Pro Control 14
8. Description of the jumper settings 15
7.1. Jumper setting: IN T → External input is enabled 15
7.2. Jumper setting: In T + In M → External input + pulse 15
7.3. Jumper setting: ILL → Delay 16
7.4. Jumper setting: VOL → Summer 16
7.5. Jumper setting: TAMP → Tamper contact enabled 16
7.6. Jumper setting: TIME → To reduce the TIME 16
7.7. Jumper setting: CODE → Reset function 16
9. Conditions of use for wAppLoxx Pro Bridge Box 17

1. General

This product complies with current domestic and European regulations. Conformity has been certified, and all related certifications are available from the manufacturer on request. To ensure the condition of this product is maintained and safe operation is guaranteed, these operating instructions 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.

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 guide which must be observed.
	This symbol indicates special tips and notes on the operation of the unit.

Safety information:

Please observe the following instructions for the wAppLoxx Pro **Bridge Box** to avoid fire and injury:

- Mount the device securely in a dry area of the building.
- Ensure there is sufficient ventilation for the device.
- The device is designed for indoor use only.
- Do not exceed maximum air humidity of 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.

Please observe the following instructions for the wAppLoxx Pro **Wall Reader** to avoid fire and injury:

- The "standard" Wall Reader is approved for use in indoor and protected outdoor areas (IP44 protection class)
- The outdoor version may only be installed in an environment that complies with the IP67 protection class
- Disconnect the device from the power supply before any installation work is carried out.
- The device is supplied with power via the Bridge Box (direct cabling)
- Please ensure that the soldered connection cable is relieved of strain/is not under tension

Information on the wireless range:

- The wireless range between the wAppLoxx Pro Bridge Box and the wAppLoxx Control Pro 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.

Note on the prevention of tampering with the Bridge Box:

- We recommend installing the Bridge Box so that it is protected (not accessible to unauthorised parties)

2. Technical data

2.1 wAppLoxx Pro Bridge Box

	wAppLoxx Pro Bridge Box	wAppLoxx Pro Bridge Box Industrial
Scope of delivery	wAppLoxx Pro Bridge Box, Quick Guide	wAppLoxx Pro Bridge Box, Quick Guide, 2 PG glands
Maximum power consumption	12 V/<0.5 A	
Usage conditions	max. 80% relative humidity, non-condensing	max. 95% relative humidity / 25°C
Radio frequency	868.3 MHz	
Wireless range	40 m in indoor use (100 m free field nominal)	30m in indoor use (100 m free field nominal)
Exterior dimensions	135 × 100 × 30 mm (H × W × D)	130 x 95 x 57 mm (H × W × D)
Material	White plastic housing	Polycarbonate, fibreglass reinforced
Configuration	Via the web access of the wAppLoxx Pro Control (web browser, any platform)	
Functions	• Control unit for the wAppLoxx Pro Wall Reader • BUS connection for the Wall Reader unit • 1 external input (e.g. button/switch) • 2 relay outputs ○ Relay 1: for controlling electric door openers, gate controls, motorised lock, etc. Relay 2: in conjunction with the tamper contact	
Power supply	12 V DC – 3 A	

Attention: To ensure operation within the framework of CE approval, we recommend only using the original ABUS power supply unit. (Item no.: **ACAC00058**)
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 connection 1/2: Switching power of the changeover relay: max. 30 V DC, 2 A
External input: 12 V DC, max. 0.1 A

wAppLoxx Pro Wall Reader

	wAppLoxx Pro Wall Reader	wAppLoxx Pro Wall Reader Outdoor
Scope of delivery	wAppLoxx Pro Wall Reader with 6 m cable, ferrite ring core	wAppLoxx Pro Wall Reader with 6 m cable, ferrite ring core, Allen key
Power supply	12 V DC, via wAppLoxx Pro Bridge Box	
Usage conditions	Indoor and protected outdoor use (IP44) max. 90% relative humidity	Outdoor use (IP67) 100% relative humidity
Ambient temperature	-25°C to +60°C	
Range of the BUS cable	6 m (cable included in the scope of delivery) Cable with ferrite ring core is part of the CE certification!	
External dimensions (without frame)	70 × 70 × 20 mm (H × W × D)	97 x 119 x 20 mm (H × W × D)
Material	Glass, plastic frame	Glass, metal frame
Configuration	Connection via BUS to wAppLoxx Pro Bridge Box	
Functions	• Reading of Mifare Classic and Mifare Desfire tags • Signalling via LEDs and acoustic signal	

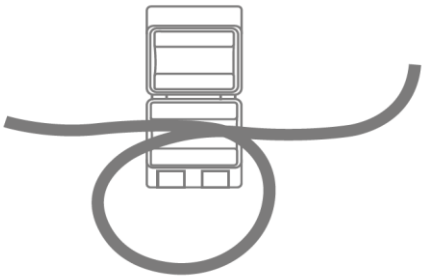
3. Installation instructions for preparing the Wall Reader

3.1. Ferrite ring core → cable

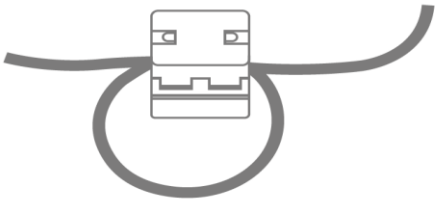
The ferrite core can optionally be attached to either end.
(On the Wall Reader or the Bridge Box side)

1. Please lay the cable in a loop

2. The loop must now be inserted in the open ferrite ring core at the point where the cable is double.



3. The ferrite ring core can now be closed (it clicks in audibly)

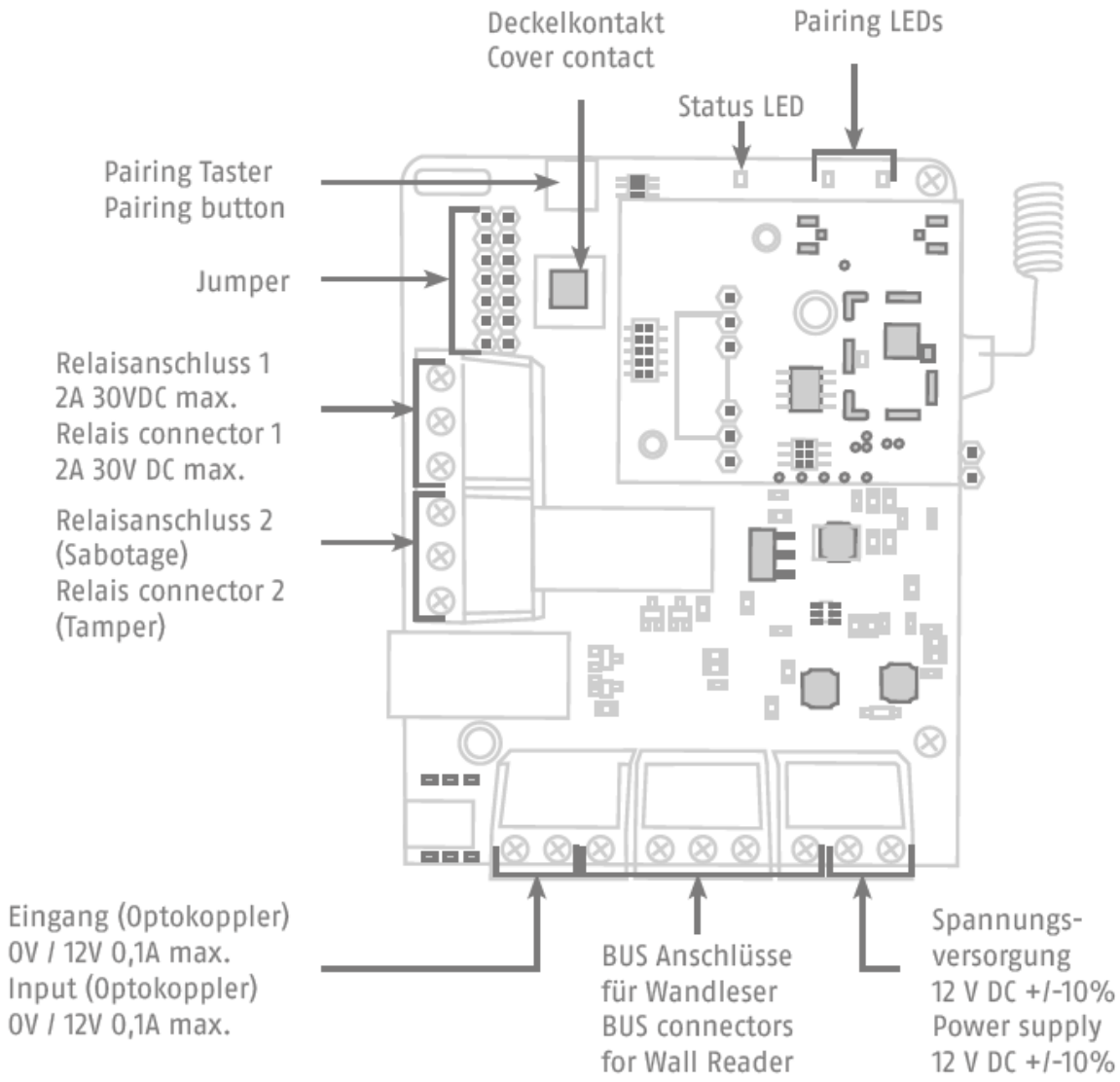


3.2. Foam rubber → Gira IP44 frame

The foam rubber supplied (included in the scope of delivery of the Wall Reader) should be attached to the Gira frame itself – the side that will later be attached to the outer wall.

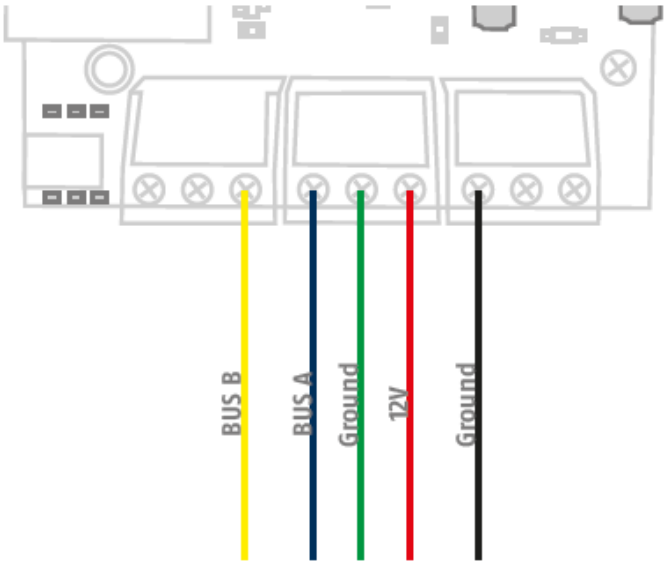
This wall-side finish protects the Wall Reader against coarse dirt and moisture.

4. Description of the Bridge Box

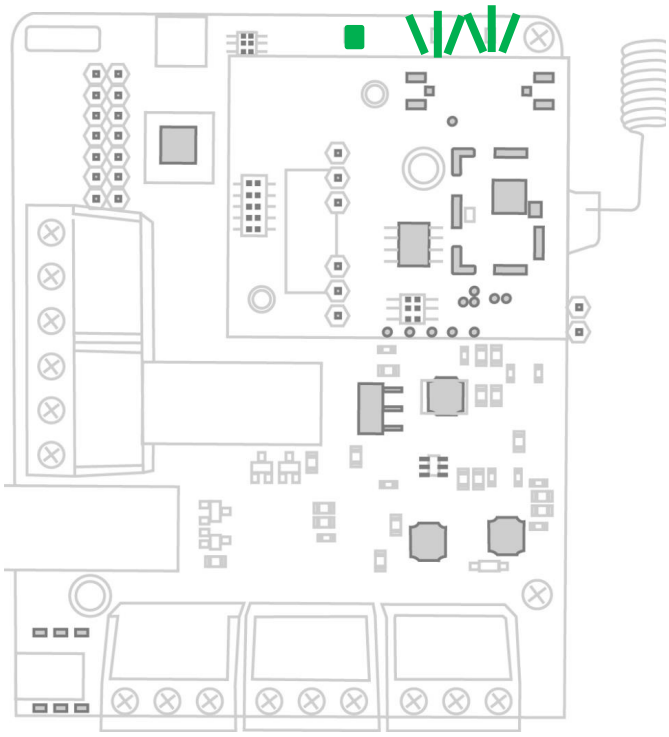


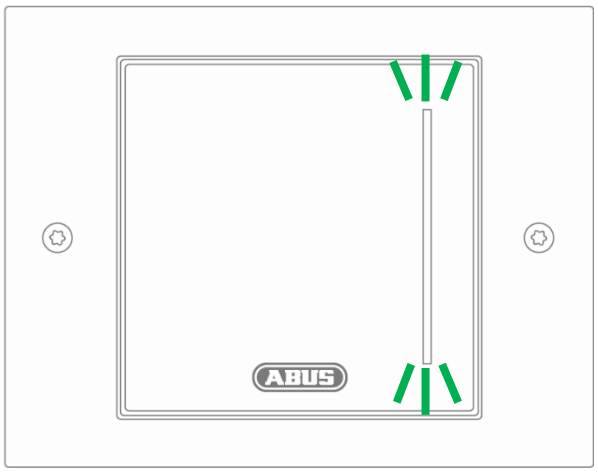
5. Process for pairing the Wall Reader with the Bridge Box

1. You connect the BUS cable of the Wall Reader to the Bridge Box as follows:



2. Connect the Bridge Box to the power supply
3. The pairing LEDs on the Bridge Box and the signalling strips on the Wall Reader flash green. The status LED lights up permanently green.

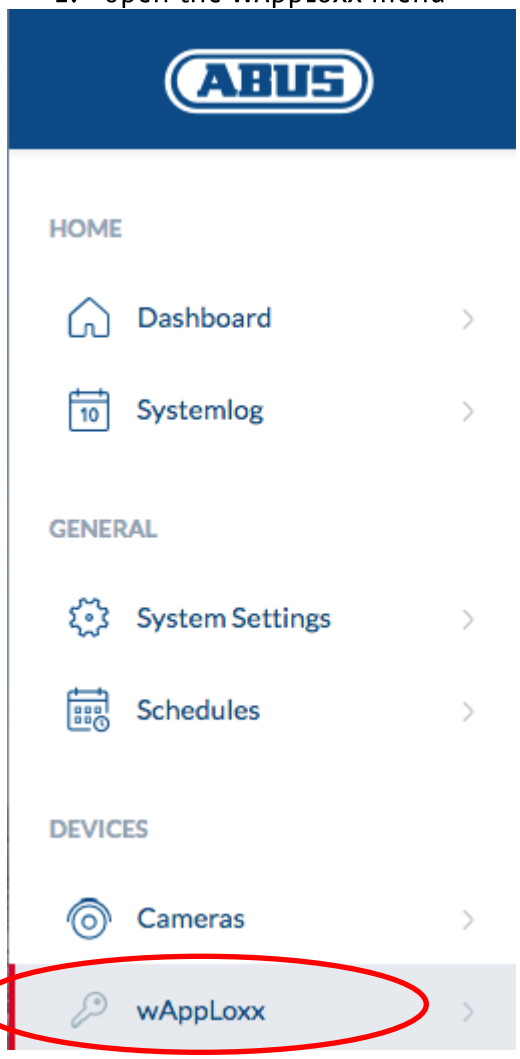




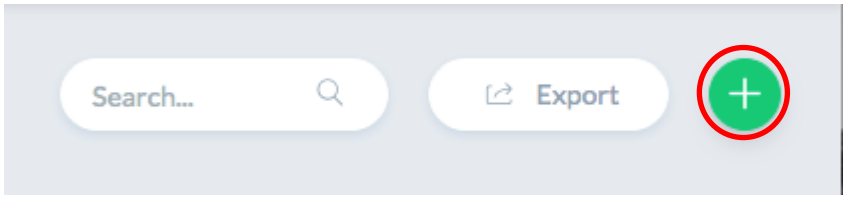
4. The Wall Reader is now connected to the Bridge Box.

6. Process for pairing the Bridge Box with the wAppLoxx Pro Control

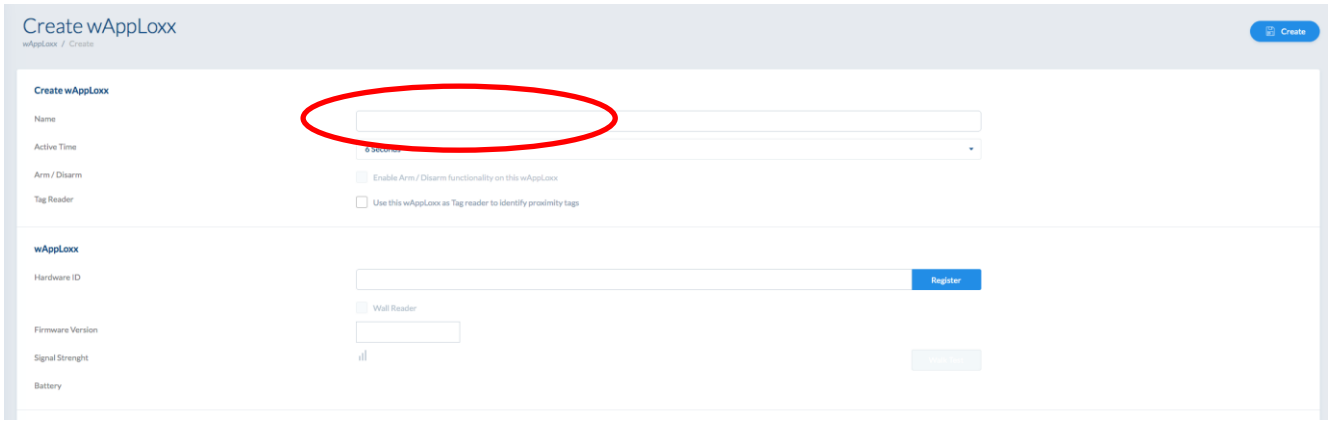
1. Log in via administrator access
2. Open the wAppLoxx menu



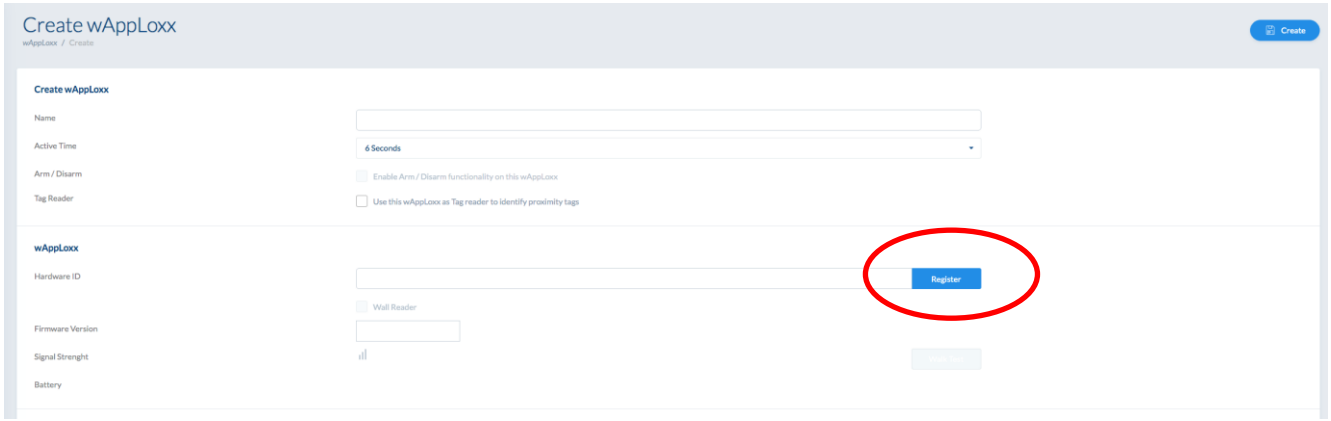
3. Click on "Add device"



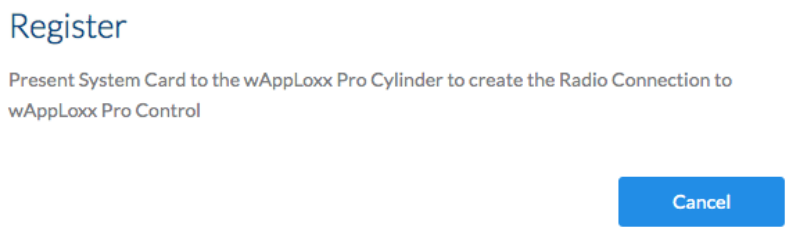
4. Enter the name of the Wall Reader/door



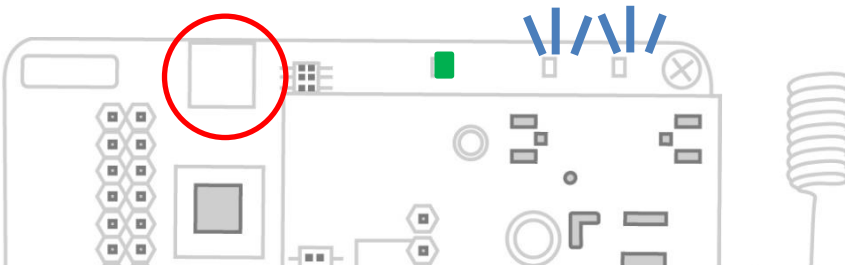
5. Click on "Pair"



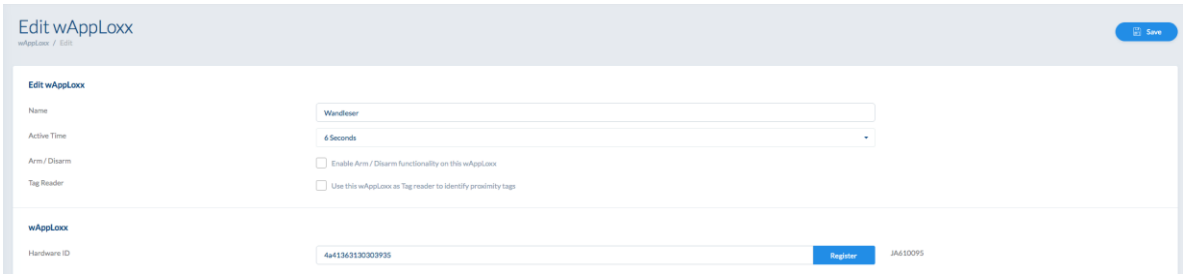
6. A pop-up window appears and the wAppLoxx Pro Control is in pairing mode.

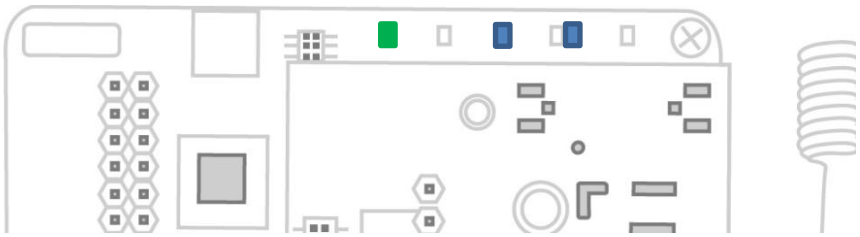


7. Press the green pairing button on the wAppLoxx Pro Bridge Box for at least three seconds. Once the pairing LEDs start to flash blue, release the pairing button.



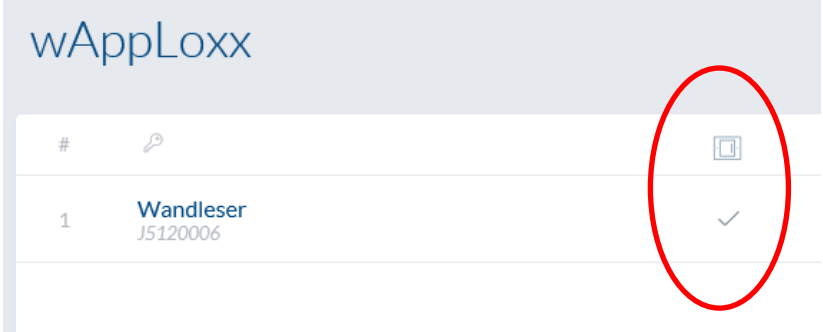
8. If the pairing process is successful, the ID of the Wall Reader is displayed and the pairing LEDs light up permanently blue.





9. Click on "Save"

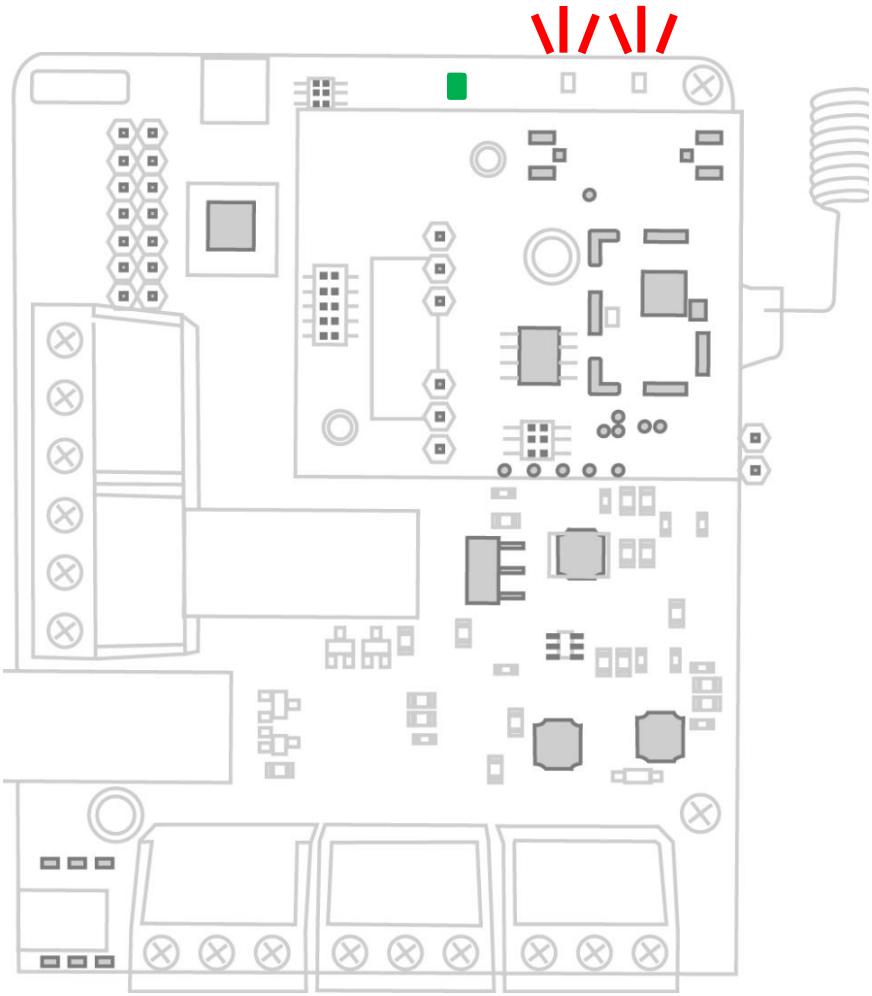
10. The wAppLoxx Pro Wall Reader is now displayed in the wAppLoxx overview and can now be assigned to a door group. You can find further information about this in the wAppLoxx Pro Control user guide.



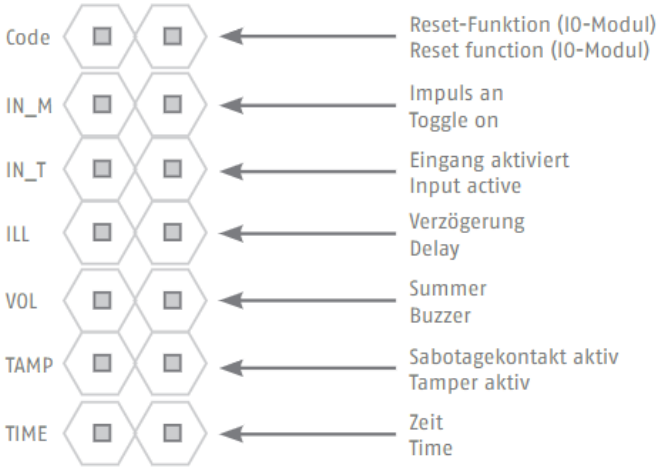
6. Process for unpairing the Bridge Box and the wAppLoxx Pro Control

1. Press the pairing button on the wAppLoxx Pro Bridge Box for at least three seconds. Once the pairing LEDs start to flash blue, release the pairing button.
2. Now the pairing LEDs will start to flash red.
3. Now present the reset card or a fallback medium to the Wall Reader
4. The Bridge Box is now unpaired from the wAppLoxx Pro Control.
5. If the unpairing process was successful, only the status LED will be lit up green.

To unpair the Bridge Box without a Wall Reader, see 7.7

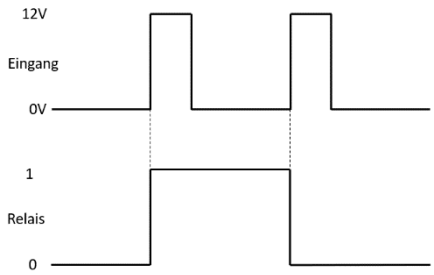


8. Description of the jumper settings



7.1. Jumper setting: IN T → External input is enabled

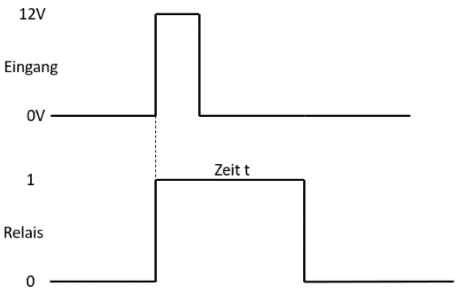
1. Set the jumper to enable the external input of the Bridge Box
2. Relay 1 can only be controlled via the external input (e.g. a switch)
3. The relay switches as follows:



7.2. Jumper setting: In T + In M → External input + pulse

1. Set the jumper In_T to enable the external input of the Bridge Box
2. Set the jumper In_M to enable pulse switching for Relay 1
   ➔ After a period of 12 seconds, Relay 1 is no longer active

3. The jumper "Time" reduces the time to 4 seconds



7.3. Jumper setting: ILL → Delay

When used in conjunction with an alarm system, 3-second delayed switching of the relay by the jumper ILL is recommended. This enables arming within 3 seconds without switching the relay.

7.4. Jumper setting: VOL → Summer

Set the jumper to disarm the acoustic signal in the Wall Reader

7.5. Jumper setting: TAMP → Tamper contact enabled

Set the jumper to switch Relay 2 as soon as the tamper contact of the cover is triggered.

7.6. Jumper setting: TIME → To reduce the TIME

Set the jumper to reduce the switching times of Relay 1 during access.

wAppLoxx Pro Control "opening time" set to 6 seconds
➔ Jumper reduces the time (2 seconds)

wAppLoxx Pro Control "opening time" set to 12 seconds
➔ Jumper reduces the time (4 seconds)

7.7. Jumper setting: CODE → Reset function

Set the jumper and remove the remaining jumpers. Press the green reset button for at least 10 seconds.
➔ Bridge Box will be reset to the factory settings

Note: Only relevant if using the Bridge Box without a Wall Reader

9. Conditions of use for wAppLoxx Pro Bridge Box

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/eng/Privacy-protection

Personal data

Personal data is relevant to data protection. According to Article 4 of the GDPR, personal data covers individual items of information about personal or factual circumstances of an identified or identifiable person. 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 devices are used online, we save and use the aforementioned personal data.

Forwarding to third parties

Data will, by principle, not be forwarded to third parties, so long as this is not required to render the service. Information will only be shared with public authorities or other state institutions where required by 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 this is required for law enforcement, for averting dangers, for fulfilling any legal responsibilities assigned to the Office for the Protection of the Constitution or the Military Counter-intelligence Service, 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.

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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.

Limitation of liability

This information was compiled with great diligence. Nevertheless, no guarantee for the correctness and integrity of the content can be assumed. For this reason, any liability for any damages arising in association with the use of this service is excluded. The usage of the **wAppLoxx online service** in no way implies the conclusion of a contract between the user and ABUS.

The **wAppLoxx online service** is provided "as is" and ABUS Security-Center assumes no liability or guarantee in relation to it.

This condition of use is valid from 23/05/2018

Disposal

Devices displaying this symbol may not be disposed of with domestic waste. At the end of its lifespan, dispose of the product according to the applicable legal requirements.
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.