

Keyng App (Android)

Clex private
Management Software



Operation manual

Imprint

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Keyng App (Android)
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1 About this document

This operating manual describes the Keyng App for Android. It is part of the product and contains important information that is necessary for proper operation.

This operating manual is only valid for the version written on page 2 and is intended for end customers.

- ▶ Read this operating manual carefully for smooth and safe operation and follow the instructions given in it before using the software.
- ▶ Please retain the operating manual for future reference.

Uhlmann & Zacher GmbH does not assume any responsibility for disruptions or hazards such as non-access to injured personnel, malfunctions, property damage or other damages resulting from non-compliance with this operating and assembly manual or incorrectly configured door handles.

- ▶ If there are still any doubts after reading this operating and assembly manual, please contact your respective dealer or Uhlmann & Zacher GmbH directly.

1.1 Warnings

Warnings warn against hazards that may arise when using the knob modules. There are two levels of warnings that can be identified based on the signal word:

| Signal word | Significance |
|-------------|---|
| CAUTION | Indicates a hazard with a low risk that can lead to mild or moderate injury if not avoided. |
| ATTENTION | Indicates a hazard that results in property damage. |

1.2 Symbols

The following symbols may be used in this manual:

- ▶ This symbol indicates a usage instruction that must be followed by the user.
- This symbol indicates an entry in a list.



This symbol indicates useful and important information.

2 System Overview

The Keyng App is an administration software for Bluetooth®-enabled locking units in the Clex private system.



| | |
|--|---|
| Clex private Keyng app administration software for smartphones | Available for Android and iOS devices |
| CX2530 Keyng (Windows) administration software for Windows PCs | This software can be used alternatively. Requires a Bluetooth®-enabled Windows-PC. For computers without Bluetooth® a Bluetooth®-Stick is available by Uhlmann & Zacher. |
| Electronic Cylinder | Bluetooth®-enabled Clex private knob cylinder |
| Electronic Door Handle | Bluetooth®-enabled Clex private electronic door handle |
| Transponder | MIFARE Transponder card or key fob |
| Service key | Using the service key, a user identifies himself as an administrator of the locking system. If the service key is held in front of a component of the locking system, then the respective component goes into programming mode. It is then possible, for example, to authorize keys, adjust settings or read the event log. |

| | |
|--|--|
| Battery change card (for some knob cylinders) | If a battery change card is held in front of a knob module, the knob module goes into the battery change position. It is now possible to remove the knob sleeve to access the batteries. |
| Disassembly card (for some knob cylinders) | If a disassembly card is held in front of a knob module, the knob module goes into the disassembly position. It is now possible to dismount the knob module. |

With Bluetooth® Low Energy enabled devices there are multiple options to manage the Clex private locking system:

- Management as learning / clearing system
Through manual teaching in transponder keys directly at the locking unit
- Management using the CX2530 Keyng (Windows) software via Bluetooth® Low Energy or an optional programming station.
- Management with Keyng app
on a device with iOS or Android

In all the above cases, the data about authorisations is stored directly in the locking units. If several methods are used simultaneously, the data displayed in the management software might be no longer up to date. Therefore the Keyng app makes sure that before each interaction or change to the locking unit the current state is first downloaded from the device.

3 Initial operation



Google Play Store

- ▶ Install Keyng App on your smartphone or tablet.
Please use the adjoining QR-Code or this download-link:
<http://www.uundz.com/app/kan>
- ▶ Keep your Bluetooth® -enabled Clex private knob cylinders or electronic door handles at hand.
- ▶ You might have to remove the plastic battery protection tabs first to make sure the devices are supplied correctly with electricity. Please consult the manual of the locking unit for a more detailed description.

3.1 Memorize service key

In its original condition (delivery status), the service key has not been memorized by the locking unit

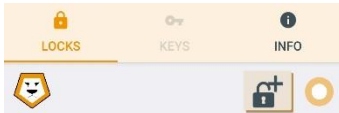
- ▶ Wake up the locking unit by either holding a transponder key in front of the device or for electronic knobs only by turning them several times. Upon success the device responds with three long audible signals.
- ▶ Within the next 15 seconds hold the service key card in front of the locking unit. When successful, you can hear two short followed by one long audible signals.

After memorizing, the locking unit will enter the programming mode whenever the service key is presented.

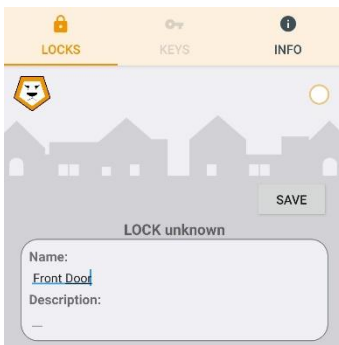
4 Quick Start

This chapter explains how to set up your first lock and corresponding keys. Please make sure that the required actions of the initial operation as described in chapter **Fehler! Verweisquelle konnte nicht gefunden werden.** have been completed for the locking unit used in the next steps.

4.1 Set up your first lock



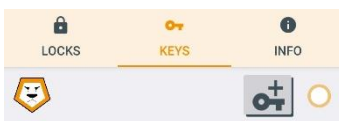
- ▶ Hold the „Service key“ card in front of the locking unit (electronic knob cylinder or door handle). This card comes usually with your initial order of locking units.
- ▶ The locking unit will respond with an audible signal. Please wait until the connection indicator begins to pulse.



- ▶ Tap the blinking button „Ad lock“
- ▶ Optionally tap on the underlined name to change the automatically generated name.
- ▶ Tap the „Save“ button.



4.2 Adding authorized keys at the lock



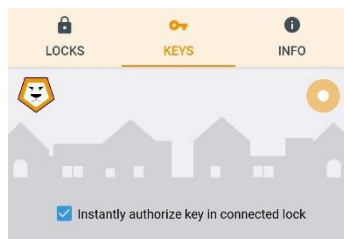
- ▶ Select the „Keys“ tab.



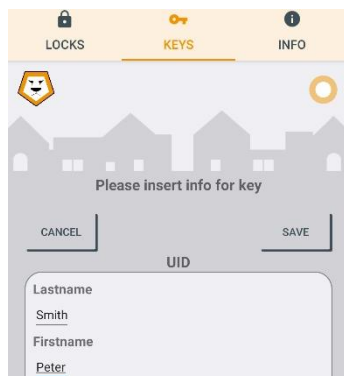
As long as the connection indicator pulsates the locking unit is still connected and in programming mode.

- ▶ Tap on the „Ad keys“ button





- ▶ Move the slider „Instantly authorize key in connected lock“ to the right for the keys that are intended to be used at this specific lock.



- ▶ Hold a transponder key (compatible MIFARE fob or card) in front of the lock.
- ▶ Tap on the line below „Lastname“, „Firstname“ or comment to personalize new keys.
- ▶ Tap the „Save“ button

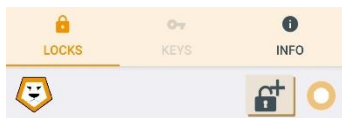


- ▶ Now you can optionally hold - one after another - all keys in front of the locking unit to memorize them. Press „Save“ after each individual new key.

4.3 Disconnect

- ▶ Tap the „Locks“ tab.
- ▶ Tap the „Back“ button of your mobile device to disconnect the app from the lock and leave the programming mode.

5 Adding Locks



- ▶ Tap the „Locks“-tab.
- ▶ Hold the „Service key“ card in front of the lock
- ▶ Tap the blinking button „Ad lock“ as soon as the connection indicator begins to pulse.



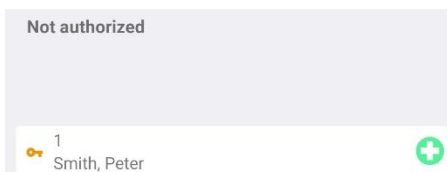
- ▶ Optionally tap on the underlined name to change the automatically generated name.
- ▶ Tap the „Save“ button.



- ▶ In the submenu „Data“ of the „Locks“ tab, tap the „Authorizations“ button




- ▶ Choose the keys you want to authorize at this door from the „Not authorized“ list and authorize them by tapping on the „plus“-Button next to the name of the key.

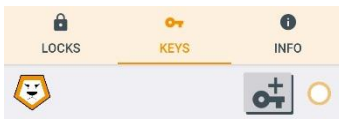


- ▶ Tap the „Back“ button of your mobile device twice to disconnect the app from the lock and leave the programming mode.



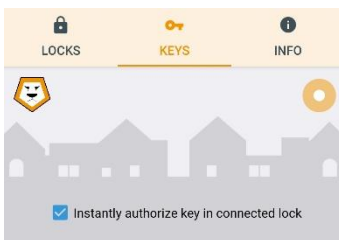
You can change name and description for each lock later by selecting the lock in the list of saved locks and tapping the pen symbol  next to the name.

6 Adding keys at the lock

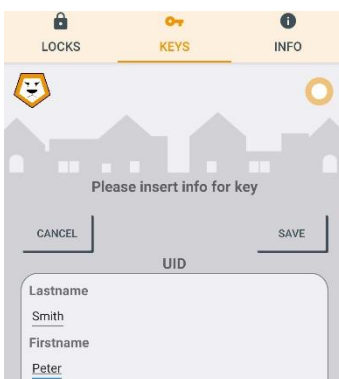


- ▶ Hold the „Service key“ card in front of the lock
- ▶ Tap the „Keys“-tab as soon as the lock is connected and the connection indicator begins to pulse.

- ▶ Tap the button „Add keys“



- ▶ Move the slider „Instantly authorize key in connected lock“ to the right for the keys that are intended to be used at this specific lock.
- ▶ Hold a transponder key (compatible MIFARE fob or card) in front of the lock.




- ▶ Tap on the line below „Lastname“, „Firstname“ or comment to personalize new keys.
- ▶ Tap the „Save“ button



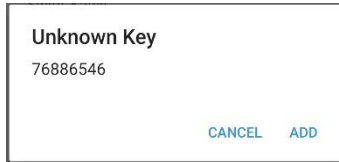
- ▶ Now you can optionally hold - one after another - all keys in front of the locking unit to memorize them. Press „Save“ after each individual new key.



You can change name and description for each lock later by selecting the lock in the list of saved locks and tapping the pen symbol  next to the name.

7 Adding keys via NFC

You can also add new keys to the app while not connected to a lock. To do so, make sure that NFC is activated in your smart device.

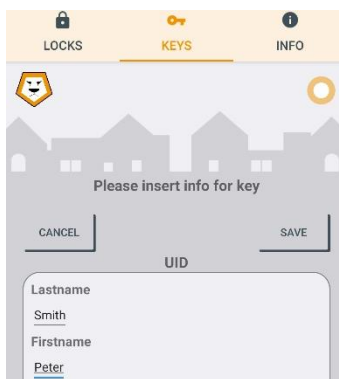


- ▶ Tap the button „Add keys“



- ▶ Hold a transponder key close to the NFC Reader of your device.
- ▶ A popup-Window will appear if a key is recognized. Tap the „Add“ button.

ADD



- ▶ Tap on the line below „Lastname“, „Firstname“ or comment to personalize new keys.
- ▶ Tap the „Save“ button

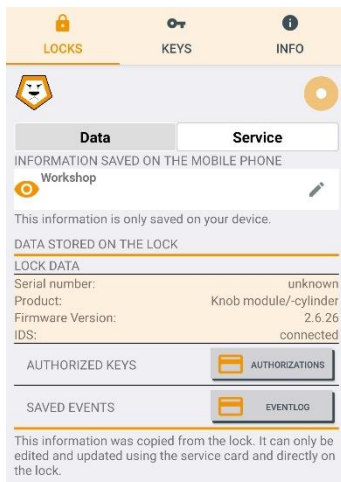


This key will now be added to the list of known keys and can be selected moving on when the app is connected to a lock.

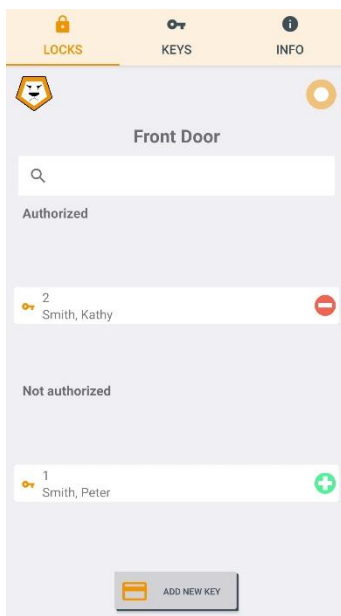
8 Authorize keys at a lock



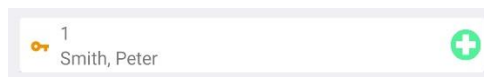
- ▶ Tap the tab „Locks“.



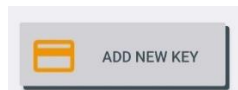
- ▶ Hold the „Service key“ card in front of the lock
The app will connect automatically with a known lock. (If the lock is not yet taught in, please follow the instructions in chapter **“Fehler! Verweisquelle konnte nicht gefunden werden. Fehler! Verweisquelle konnte nicht gefunden werden.”**)
- ▶ In the submenu „Data“ of the „Locks“-tab, tap on the button **“Authorizations”**



- ▶ Choose from the list labelled „Not authorized“ all known keys that are intended to get authorized at this lock.
To do so tap the **“plus”** button next to the selected name and the key will then be added to the list of **“Authorized”** keys.



- ▶ If you want to add a completely new key, you can also tap the **“Add new key”** button here and follow the instruction from chapter **“6 Adding keys at the lock”**



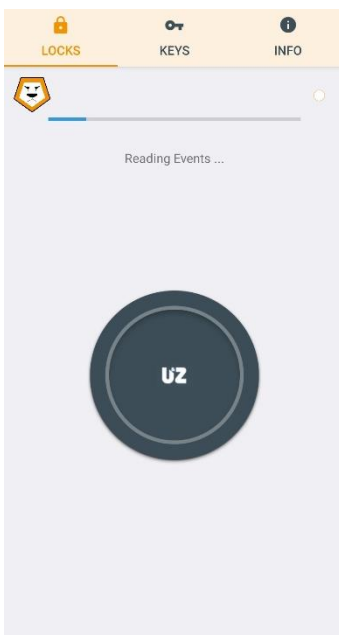
- ▶ Tap the **“Back”** button of your mobile device twice to disconnect the app from the lock and leave the programming mode.

9 Read logged events

- ▶ Hold the „Service key“ card in front of the lock
- ▶ Please wait until the connection indicator begins to pulse.



- ▶ In the submenu „Data“ of the „Locks“-tab, tap on the Button „Eventlog“



The logged events will now be loaded from the lock to the app and can be immediately displayed. By tapping the individual log entries more details can be viewed.

- ▶ Tap the „Back“ button of your mobile device twice to disconnect the app from the lock and leave the programming mode.



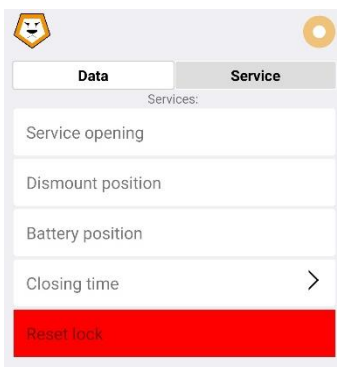
The logged events are now saved to your smart device and can also be viewed later, when not connected with the lock. Just choose the lock from the list of locks and tap the „Eventlog“ button again.

10 Changing batteries

For the information when and in which battery phase a battery replacement is required please consult the manual of your lock in use.

Some electronic knob cylinders need to be brought into a special motor position to allow the cover of the knob to be opened for a battery replacement.

You can do this directly within this app. Alternatively you can also use the functionality in the Keyng (Windows) software for that, or use a battery change card as described in chapter "17 Memorize battery change and disassembly card (optional)".



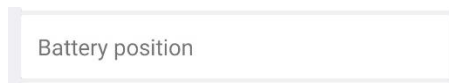
- ▶ Hold the „Service key“ card in front of the lock
- ▶ Please wait until the connection indicator begins to pulse.



- ▶ Tap on the submenu tab „Service“



- ▶ In the list of services tap on „Battery position“



- ▶ Now change the battery as described in the manual of your lock
- ▶ Tap the „Back“ button of your mobile device twice to disconnect the app from the lock and leave the programming mode.

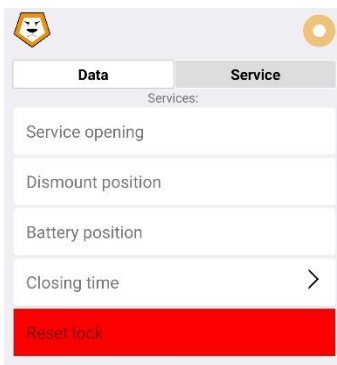


If you want the lock to change from the battery position back to the standard motor position, just hold an authorized transponder in front of the lock and open the lock. If your lock is still connected to the app you can also select "Service opening" for the same effect.

11 Disassembly

Some electronic knob cylinders need to be brought into a special motor position to separate them from the cylinder housing and to so enable the disassembly of the lock.

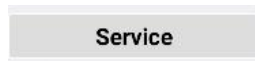
You can do this directly within this app. Alternatively you can also use the functionality in the Keyng (Windows) software for that, or use a battery change card as described in chapter "17 Memorize battery change and disassembly card (optional)".



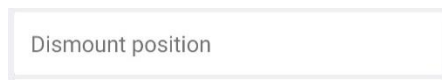
- ▶ Hold the „Service key“ card in front of the lock
- ▶ Please wait until the connection indicator begins to pulse.



- ▶ Tap on the submenu tab „Service“



- ▶ In the list of services tap on „Battery position“



Now disassemble the lock as described in its service manual. Usually knob modules are separated from the cylinder housing by turning the knob while slightly pulling.

- ▶ Tap the „Back“ button of your mobile device twice to disconnect the app from the lock and leave the programming mode.



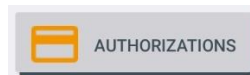
If you want the lock to change from the dismount position back to the standard motor position, just hold an authorized transponder in front of the lock and open the lock. If your lock is still connected to the app you can also select "Service opening" for the same effect.

12 Revoking authorizations


- ▶ Hold the „Service key“ card in front of the lock
- ▶ Please wait until the connection indicator begins to pulse.




- ▶ Tap on the submenu tab „Data“
- ▶ In the submenu „Data“ of the „Locks“-tab, tap on the button „Authorizations“

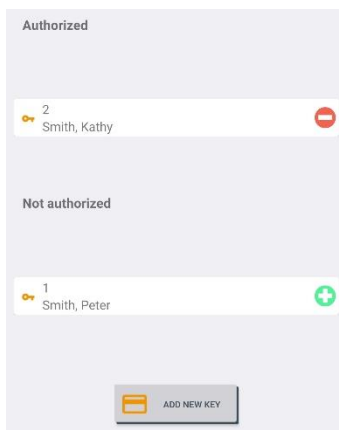
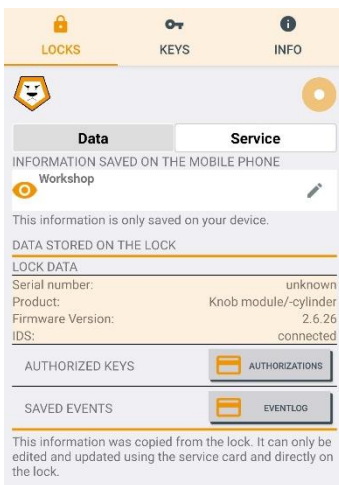


The current list of authorized keys is now retrieved from the lock.

- ▶ Select the key from the „Authorized“ list, you want to remove from the list and tap the „minus“ button .

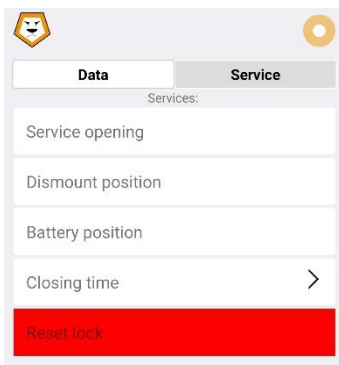
The removed key will now show up in the „Not authorized“ list and can be selected and re-authorized later by tapping on the „plus“  button.

- ▶ Tap the „Back“ button of your mobile device twice to disconnect the app from the lock and leave the programming mode.



13 Closing time

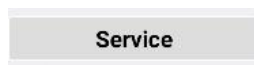
You can also determine the closing time of the lock when connected with the app from the service menu. This is the time the lock stays coupled in after an opening by an authorized key.



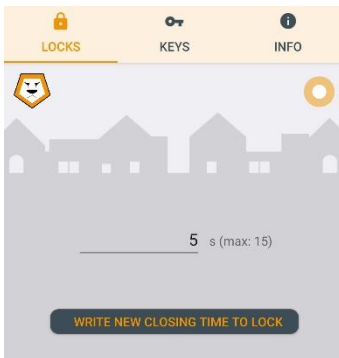
- ▶ Hold the „Service key“ card in front of the lock
- ▶ Please wait until the connection indicator begins to pulse.



- ▶ Tap on the submenu tab „Service“



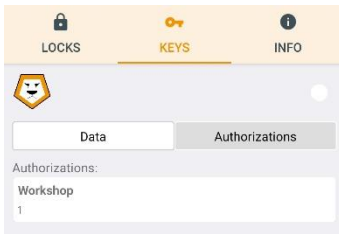
- ▶ In the list of services tap on „Closing time“



The data about the closing time is now retrieved from the lock. Wait a moment until the currently set time in seconds is displayed

- ▶ Tap on the currently set closing time to alter the value via the keyboard. Then tap on „Write new closing time to lock“
- ▶ Tap the „Back“ button of your mobile device twice to disconnect the app from the lock and leave the programming mode.

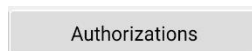
14 Deleting keys



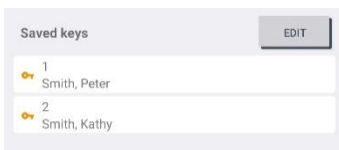
You can only delete keys in the Keyng app, if they are no longer authorized at any known lock. This is a safety feature to help users not to lose track of existing authorized keys. It prevents situations where there are authorized keys that are not displayed in the app.

So before deleting keys, make sure that there are no longer any authorizations.

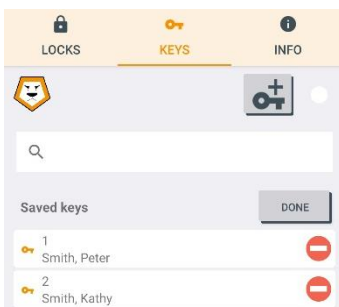
- ▶ To do so, tap on the „Keys“, and select the key you want to delete from the list of keys. Tap on the tab labelled „Authorizations“




Here you will find a list of locks the key currently does have authorizations for. Remove all authorizations as described in chapter 12 „Revoking authorizations “.



- ▶ To make changes to the list of saved keys, tap on the „Edit“ button.

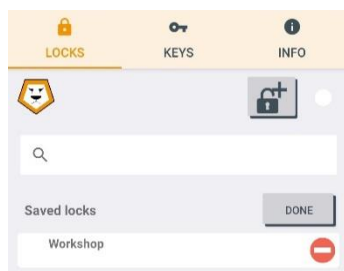



- ▶ To delete a key that is no longer authorized at any lock, tap the „minus“-icon  next to the key you want to delete. Then tap on „delete“.
- ▶ To finish the delete procedure tap on the „Done“ button.

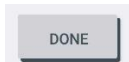


15 Delete lock

- ▶ Tap on the „Locks“ tab.
- ▶ To make changes to the list of saved locks, tap on the „Edit“ button.

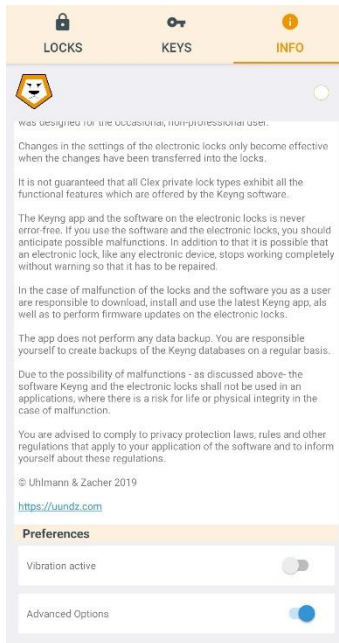


- ▶ To delete a lock tap the „minus“-icon  next to the lock you want to delete.
- ▶ Confirm the security question that pops up by tapping on „delete“.
- ▶ To finish the delete procedure tap on the „Done“ button.

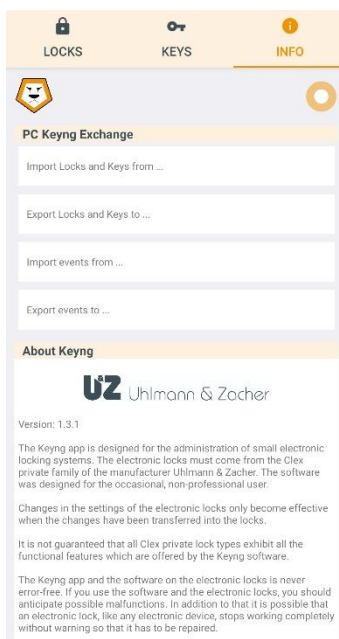
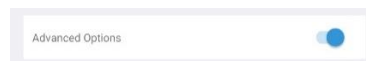


16 Database export & import

The Keyng app allows the import of existing databases from Keyng (Windows). You can also export the data saved on your mobile device for example if you would like to use a new mobile device.



- ▶ Tap on the „Info“ tab.
- ▶ Scroll to the very bottom of this page. There you will find a list of options.
- ▶ Activate the „Advanced Options“, by moving the designated slider to the right.



- ▶ Now scroll back to the top of the page. You will now find additional settings labelled „PC Keyng Exchange“.

16.1 Exporting data

- ▶ Depending on which kind of data you would like to export, select either „Export Locks and Keys to...“ or „Export events to...“ by tapping on the respective item from the menu.

Now the file explorer of your operating system will open up.

- ▶ Choose a memory location and a filename. Make sure you do not change the file suffix „.gzml“.
- ▶ Tap the „Save“ button to finish the procedure.

16.2 Importing data

- ▶ Copy a „.gzml“-file that was generated using Keyng (Windows) or the Keyng app to a location on your mobile device.
- ▶ Depending on which kind of data you would like to import, select either „Import Locks and Keys from...“ or „Import events from...“ by tapping on the respective item from the menu.

ATTENTION When importing, the currently saved data will be overwritten

- ▶ A warning screen will appear that needs to be confirmed by tapping „OK“ to proceed.

Now the file explorer of your operating system will open up.

- ▶ Choose the folder location where you copied to be imported .gzml-file and select the file by tapping on it.
- ▶ Tap the „Import“ button to finish the procedure.

17 Memorize battery change and disassembly card (optional)

The Keyng app offers functionalities for locking units that require this to change their status to battery change or disassembly mode. If you would like to also use a battery change card and disassembly card please proceed as follows:

- ▶ First hold the service key in front of the knob module. The locking unit will enter the programming mode
- ▶ Hold the battery change card in front of the locking unit. The locking unit will indicate the success with two short audible signals.
- ▶ Hold the disassembly card in front of the locking unit. The locking unit will indicate the success with two short audible signals.
- ▶ Hold the service key in front of the knob module. The locking unit will then leave the programming mode. Alternatively wait 15 seconds until the locking unit ends the programming mode automatically.



When using Clex private as a learning/clearing system without management software, the first transponder that is presented to the lock when it is in programming mode, will be taught in as battery change card and the second transponder as disassembly card. If you present transponders to the lock in programming mode but did not make sure the app was connected, transponders might have received the special functions unintentional. Transponders with these two special functions cannot be managed with the Keyng app and will be ignored.