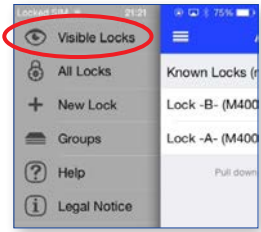
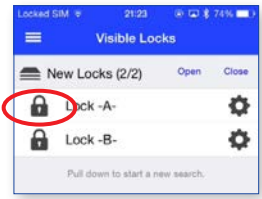
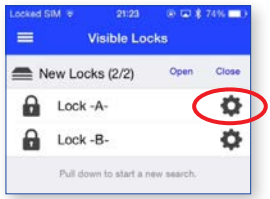
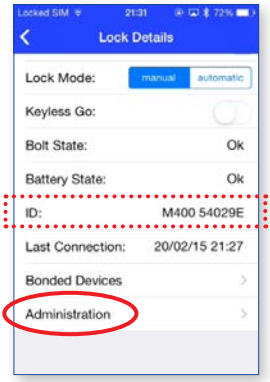
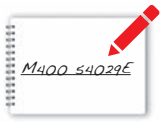
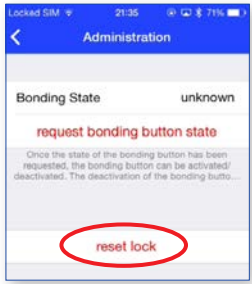
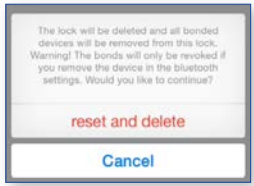
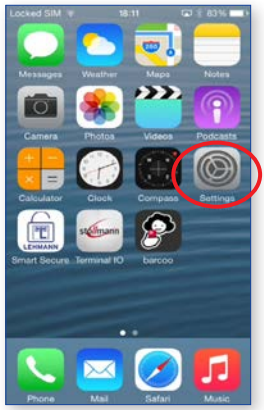
DELETING LOCKS / BOND LIST

Final deletion of individual locks / resetting iOS settings.

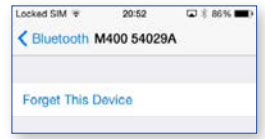
Important note! Perform the following steps very carefully.

Display / Menu	Description	Action
	Open the menu and select the menu item: ***"Visible Locks"***.	
	Before performing the following steps, make sure that you release the lock if it is closed.	
	Select the lock to be modified by tapping on the ⚙ icon next to the lock. Example: ***"Lock -A-"***	
	Navigate to the screen section displayed. 1. **Important:** Make a note of the ID of the lock. 2. Select ***"Administration"***.	Administration 

DELETING LOCKS / BOND LIST

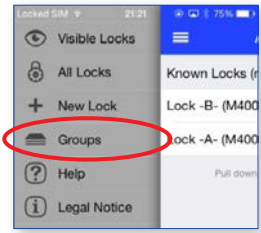
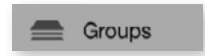
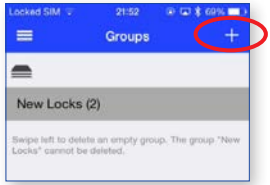
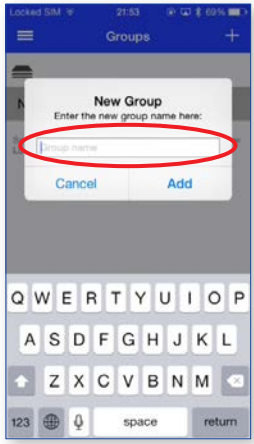
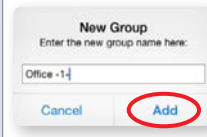
Display / Menu	Description	Action
	Select the ***"reset lock"*** function	reset lock
 	**Note:** Resetting is only possible if the lock is open and no battery warning is issued. Ensure that the lock is open and the batteries have sufficient energy. Observe the information in the display of the iOS device and confirm. ***"reset and delete"***.	reset and delete
	Navigate back to the home screen. Open the global settings and then select Bluetooth.	

DELETING LOCKS / BOND LIST

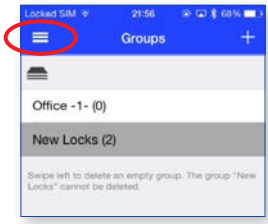
Display / Menu	Description	Action
	Select the lock reset in the App with the ⓘ icon. If there are several devices in the list, refer back to your notes - see first page - to identify the lock.	
 	Confirm the delete command ***"Forget This Device"*** and the following safety request with ***"OK"***.	
	The screen returns to the previous display. The list is refreshed after some time and the selected lock is removed. Close the iOS settings. The lock has been deleted completely.	

SETTING UP GROUPS

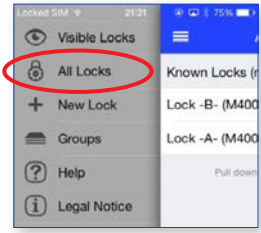
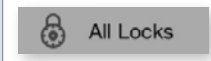
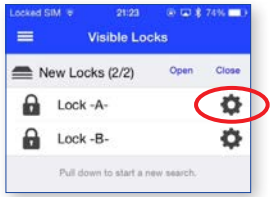
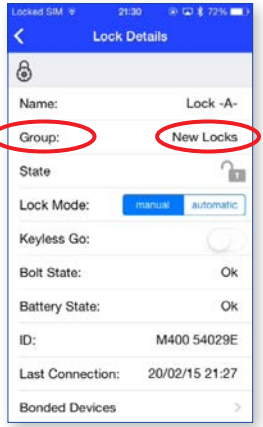
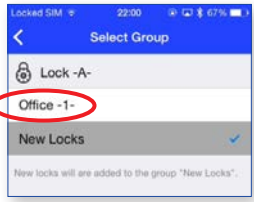
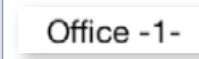
You can store locks in different groups. Example: office, at home etc.
This provides a clearer overview. The group ***"New Locks"*** already exists and cannot be changed.
Proceed as described below to create new groups and assign locks.

Display / Menu	Description	Action
	Open the menu and select the menu item: ***"Groups"***.	 
	The already taught in locks are stored in the group ***"New Locks"***. Select the + icon to create a new group.	
	Give the group a unique name of your choice and confirm with ***"Add"***. The screen returns to the previous display following successful confirmation.	

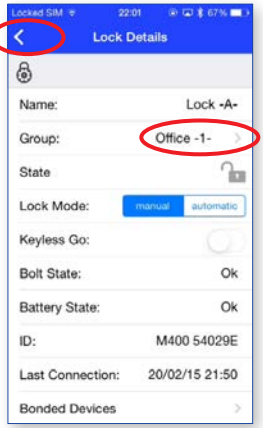
SETTING UP GROUPS

Display / Menu	Description	Action
	The group ***"Office -1-"*** was created successfully. There are no (0) locks in this group. Return to the main menu.	

ASSIGNING LOCKS TO GROUPS

Display / Menu	Description	Action
	Open the menu and select the menu item: ***"All Locks"***.	 
	Select the lock you want to assign to another group. Example: ***"Lock -A-"*** For this purpose, tap on the ⚙ icon next to the lock.	
	The overview ***"Lock Details"*** opens for the selected lock. Tap on ***"New Locks"*** next to the item ***"Group"***. The following window opens automatically.	
	Tap onto the menu item ***"Office -1-"*** and the lock is assigned to this group. The view automatically switches to the previous window and the change has completed.	

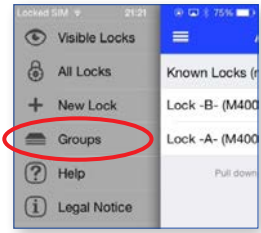
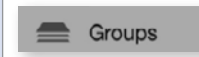
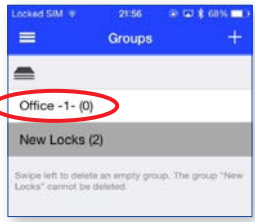
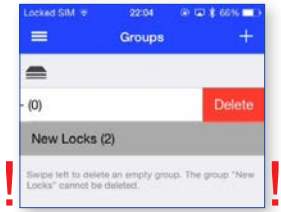
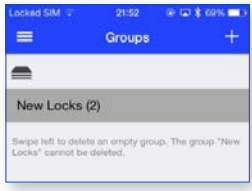
ASSIGNING LOCKS TO GROUPS

Display / Menu	Description	Action
	The lock was successfully assigned to the group ***"Office -1-"***. Return to the main view with the button.	
	In the main view you can now see that one lock was assigned to the group ***"New Locks"*** and one to the group ***"Office -1-"***. You can repeat this process for other locks.	

DELETING GROUPS

Only groups which do not contain any locks can be deleted.

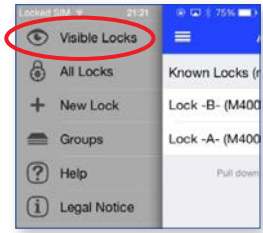
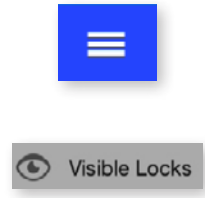
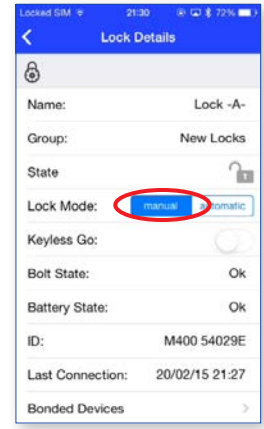
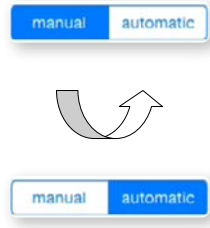
If you want to delete a group which still contains locks, first of all move existing locks to another group (see section: Assigning locks to groups) or delete the locks from your iPhone (see section: Deleting locks).

Display / Menu	Description	Action
	Open the menu and select the menu item: ***"Groups"***.	 
	Swipe across the group to be deleted to the left. **Caution! Only empty groups can be deleted.** Example: ***"Office -1-"***	
	Take note of the highlighted information. Tap ***"Delete"*** and the group is deleted.	Delete
	The display is automatically updated. The group was deleted. Return to the menu.	

SPECIAL FUNCTION “AUTOMATIC MODE”

The system has special functions that you can configure manually for each individual lock.

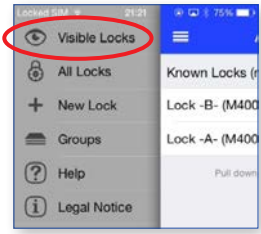
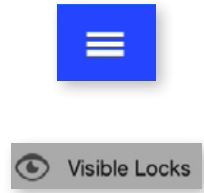
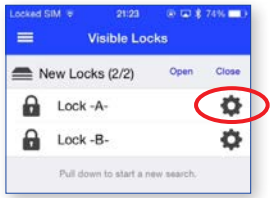
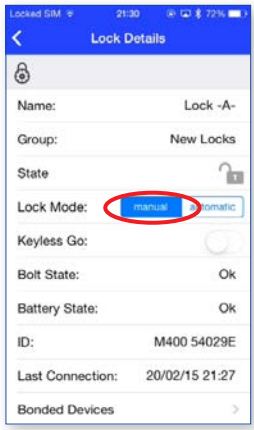
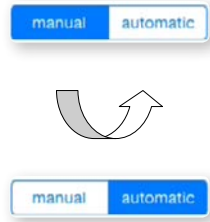
If this function is enabled, the locks close automatically after a pre-set time of approx. 1 minute once you leave the reception range.

Display / Menu	Description	Action
	Open the menu and select the menu item: ***“Visible Locks“***.	
	Select the lock to be modified by tapping on the ⚙ icon next to the lock. Example: ***“Lock -A-”***	
	The default setting is manual. This means that each locking process must be actuated manually by you. Switch to ***“automatic”*** and the lock closes automatically when the connection between lock and iPhone is lost. You can return to the previous menu with the ‹ button.	

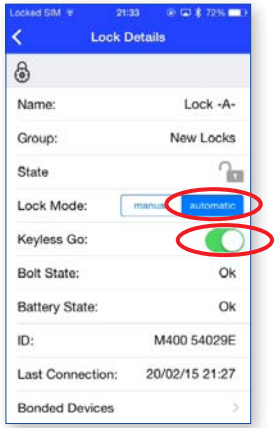
“KEYLESS GO” SPECIAL FUNCTION

The system has special functions that you can configure manually for each individual lock. The Keyless Go function is a convenient setting. The locks close automatically on leaving the reception area and open automatically when you return to the reception area.

System information:
The connection is established and controlled exclusively by the iOS system. Delays in establishing the connection are thus determined by the system and LEHMANN has no influence on this.

Display / Menu	Description	Action
	Open the menu and select the menu item: ***“Visible Locks“***.	
	Select the lock to be modified by tapping on the ⚙ icon next to the lock. Example: ***“Lock -A-”***	
	To be able to switch on the Keyless Go function, first the Automatic Mode must be enabled.	

“KEYLESS GO” SPECIAL FUNCTION

Display / Menu	Description	Action
	The standard setting of ***“Keyless Go”*** is off. If you enable the Keyless Go function, the lock will automatically open when you enter the reception area of the furniture lock with your iOS device. **<u>Please observe the warnings</u>** and the fact that this function can only be enabled when the Automatic Mode is also switched on. You can return to the previous menu with the < button.	

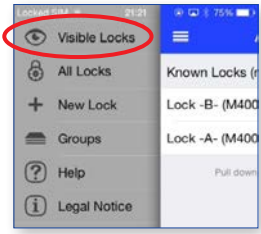
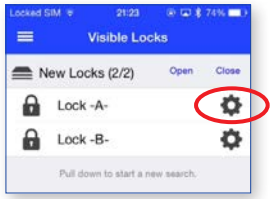
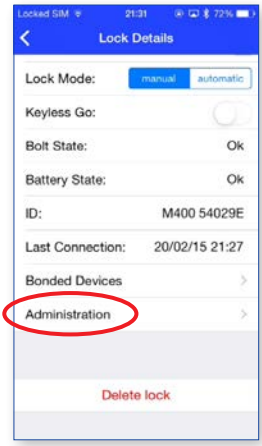
NOTE

The connection is established and controlled by the iOS system. Delays in establishing the connection are thus determined by the system and LEHMANN has no influence on this.

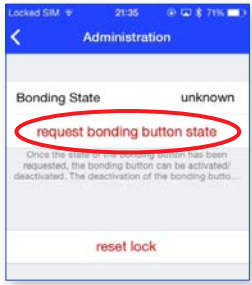
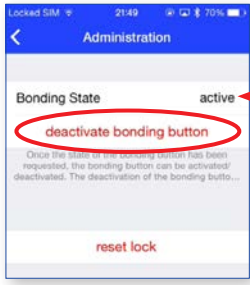
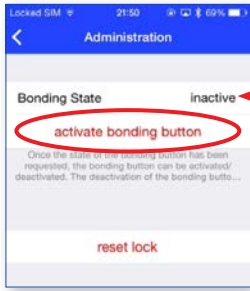
SPECIAL FUNCTION SAFETY SECURING THE LOCK AGAINST PROGRAMMING

An additional function lets you secure the locks against unauthorised programming.

Observe the safety precautions at the end of the page.

Display / Menu	Description	Action
	Open the menu and select the menu item: ***"Visible Locks"***.	
	Select the lock to be modified by tapping on the ⚙ icon next to the lock. Example: ***"Lock -A-"***	
	Navigate to the displayed screen section and select ***"Administration"***.	

SPECIAL FUNCTION SAFETY SECURING THE LOCK AGAINST PROGRAMMING

Display / Menu	Description	Action
	Select the ***"request bonding button state"*** function.	request bonding button state
	The ***"Learn"*** button is always enabled for brand new locks. This means that each iOS device can connect with the lock when someone actuates the ***"Learn"*** button. Press ***"deactivate"***. This prevents additional iOS devices from connecting.	deactivate bonding button
	The ***"Learn"*** button is now set to ***"inactive"***. No new iOS devices can be connected to the lock. The blocked connection can be cancelled again by pressing the ***"activate"*** function. You can return to the previous menu with the < button.	activate bonding button

SAFETY PRECAUTIONS

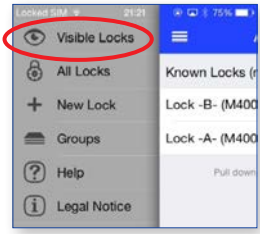
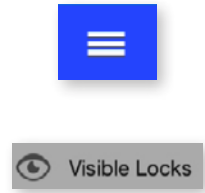
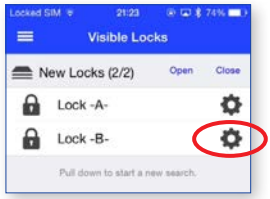
- Before deleting the locks, make sure these are not in a locked state.
- If possible, always make sure that a second iOS device is programmed for the locks (as "spare key").
- Non-observance of the safety precautions can result in your furniture being locked and you no longer having access to the lock.

SETTING THE TRANSMISSION/RECEPTION RANGE

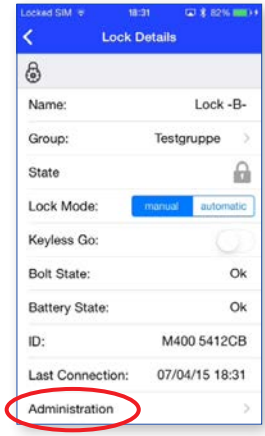
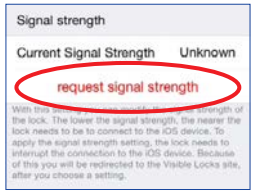
The transmission/reception range can be set independently for each individual lock in 5 stages.

Please note:
Radio signals are not confined to rooms with regard to technology and do not require direct visual contact for triggering the desired action. The send command can thus be sent across larger distances and even through walls if required. At the same time, radio signals can be adversely affected by structural conditions, electrical fields and reflections. For reasons of safety and control, particular attention needs to be paid to usage of the display unit on the furniture lock. The display unit signals and acknowledges not only the locked status, but also informs you about the status in case of weak or empty batteries.

Due to the possible influences, the ranges to be set can vary a lot depending on environmental conditions. Please always check which range is suitable for your application. The settings and tests should be performed with open cabinet door and drawn-in bolt in any case, enabling a correction in case the connection gets lost.

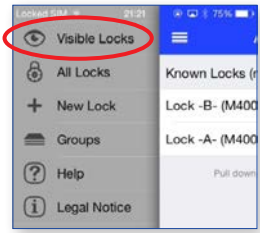
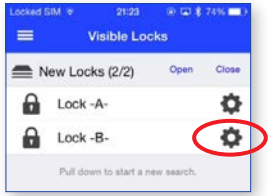
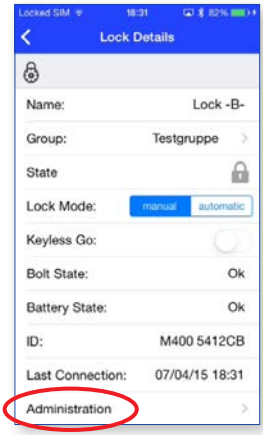
Display / Menu	Description	Action
	Open the menu and select the menu item: ***"Visible Locks"***.	
	Select the lock to be modified by tapping on the ⚙ icon next to the lock. Example: ***"Lock -B-"***	

SETTING THE TRANSMISSION/RECEPTION RANGE

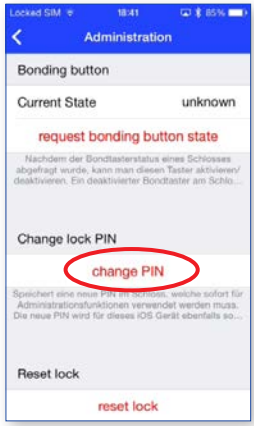
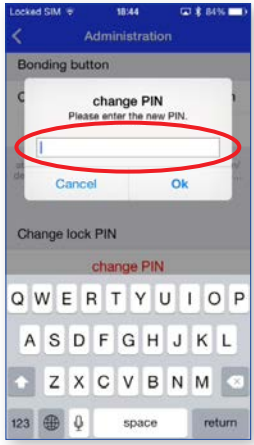
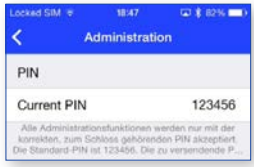
Display / Menu	Description	Action
	Select ***"Administration"***.	Administration
 	First of all, request the transmitting power configured for this lock by selecting: ***"request signal strength"***. The currently configured signal strength is displayed. The ***"set signal strength"*** function will open the following dropdown menu.	request signal strength set signal strength
	Select one of the desired signal strengths. Example: ***"Medium"*** Refer to the information provided at the start of this section for this purpose. Following successful selection, the screen returns to the lock overview.	Medium

LOCKING THE SYSTEM WITH PIN CODE / CHANGING THE PIN CODE

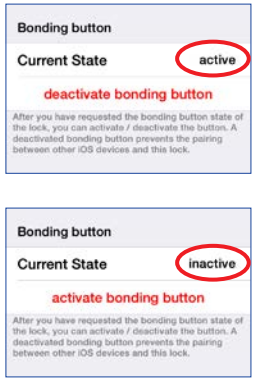
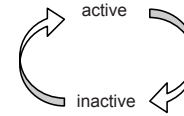
The system is equipped with a standard factory PIN code when delivered. Each iOS device can thus immediately connect with the lock without any additional settings. To protect your system against unauthorised access, you should change the pre-set PIN. Proceed as follows:

Display / Menu	Description	Action
	Open the menu and select the menu item: ***"Visible Locks"***.	
	Select the lock to be modified by tapping on the ⚙ icon next to the lock. Example: ***"Lock -B-"***	
	Select ***"Administration"***.	

LOCKING THE SYSTEM WITH PIN CODE / CHANGING THE PIN CODE

Display / Menu	Description	Action
	On the page displayed, scroll down to the item ***"Change lock PIN"*** and select ***"change PIN"***.	change PIN
 	Enter your personal numerical six-digit PIN code. The display returns to the previous screen. Scroll upwards on the page displayed and check that the code displayed here is correct.	

LOCKING THE SYSTEM WITH PIN CODE / CHANGING THE PIN CODE

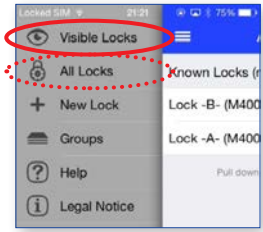
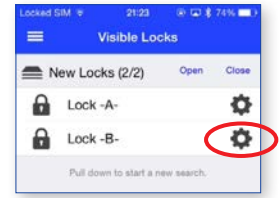
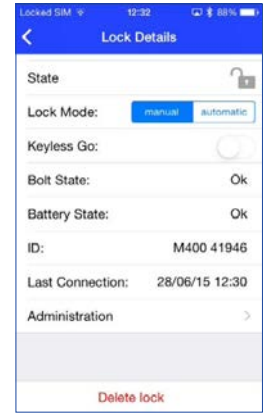
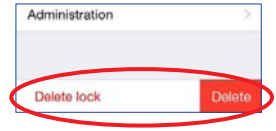
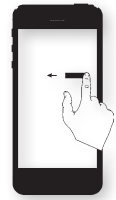
Display / Menu	Description	Action
	With this measure you can block the programming button on the lock. No additional iOS devices can be programmed for the lock, until you release this function again. Now scroll to the menu item ***"Bonding button"*** and switch the ***"active"*** function to ***"inactive"***.	

DELETING LOCKS

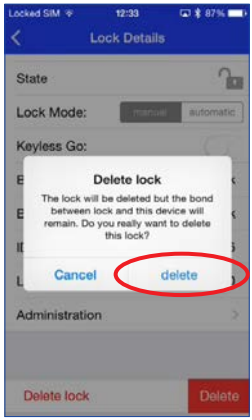
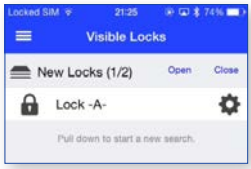
Locks which no longer have a connection (e.g. following a reset, in case of loss or change of location) and which are no longer required can be removed from the list ***"All Locks"*** with the ***"Delete lock"*** function.

This function does NOT replace RESET.

Observe the safety precautions at the end of the page.

Display / Menu	Description	Action
	Open the menu and select the menu item: ***"All Locks"***.	
	Select the lock to be deleted by tapping on the ⚙ icon next to the lock. Example: ***"Lock -B-"***	
 	Navigate to the bottom of the screen and confirm ***"Delete"***. **Caution! Important!** To delete the lock completely, it must also be removed from the bond list. Also see section: Deleting the bond list under iOS settings. No connection is required for deleting a lock. Closed locks can also be deleted. It is important that you read the safety precautions at the end of the next page.	

DELETING LOCKS

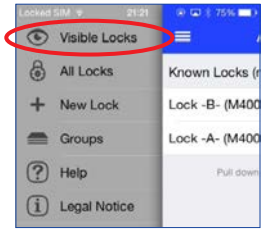
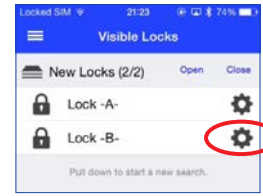
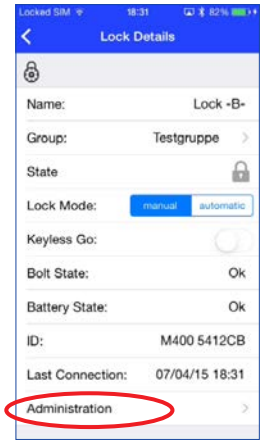
Display / Menu	Description	Action
	Confirm the security prompt and the lock is deleted. The display returns to the previous screen	
	Lock -B- was deleted.	

SAFETY PRECAUTIONS

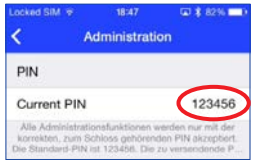
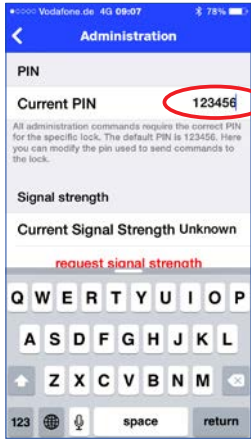
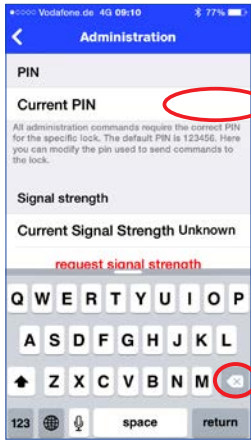
- → Before deleting the locks, make sure these are not in a locked state.
- → If possible, always make sure that a second iOS device is programmed for the locks (as “spare key”).
- → Non-observance of the safety precautions can result in your furniture being locked and you no longer having access to the lock.

SPECIAL FUNCTION SAFETY / USING A CHANGED PIN, RELEASING LOCKS

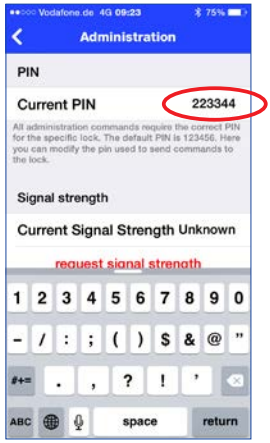
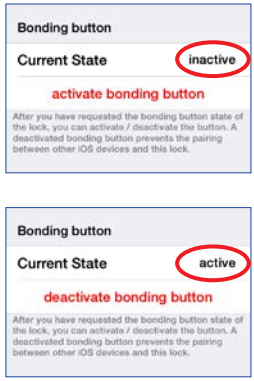
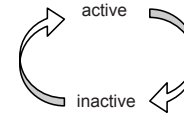
If an iOS device is to be connected with a lock which is secured by a deactivated bonding button and a changed PIN, you will need an already connected iOS device and the changed PIN.

Display / Menu	Description	Action
	Open the menu with an already connected lock and select the menu item: ***"Visible Locks"***	
	Select the already connected lock by tapping on the ⚙ icon next to the lock.	
	Navigate to the displayed screen section and select ***"Administration"***.	

SPECIAL FUNCTION SAFETY / USING A CHANGED PIN, RELEASING LOCKS

Display / Menu	Description	Action
	Tap on the displayed current PIN (123456).	
	A cursor appears behind the displayed current Pin and the keypad is displayed at the bottom of the screen.	
	Delete the displayed current PIN with the button.	

SPECIAL FUNCTION SAFETY / USING A CHANGED PIN, RELEASING LOCKS

Display / Menu	Description	Action
	Enter the changed PIN and confirm with ***"Return"***. The cursor and keypad disappear.	Example: **223344** **return**
	Scroll to the menu item ***"Bonding button"*** and switch the ***"inactive"*** function to ***"active"***. iOS devices not yet connected can now be programmed.	

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M400 Smart Secure

Operating instructions

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Safety precautions, care and maintenance, technical specifications 3

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Installation of optical display, installation of protector 6

Explanation of icons and functions 7

Teaching in furniture locks 9

Opening and closing of furniture locks 10

More operating instructions can be found on our internet page as a download.

BDA-M400_Smart Secure_GB (Rev-03) 09-07-2015

GENERAL SYSTEM DESCRIPTION

The M400 Smart Secure electronic locking system is an accessory for furniture. It is intended for usage in the home and office. This user manual tells you how to properly operate the M400 Smart secure system error-free. With its easy handling, you can adapt the M400 Smart Secure system to your personal requirements. With the LEHMANN app and the M400 Smart Secure furniture lock you can now conveniently and securely access your furniture from your iOS device (iPhone, iPad or iPod). Thanks to the latest Bluetooth low energy technology, a lock or even whole groups of locks can be opened and closed. Configuration is very straightforward, thus the management of locking authorisations is very easy. The locks are equipped with the Keyless Go function, which enables you to configure all or individual locks to automatically open and close as soon as the respective control medium comes within reach. Furthermore, up to four iPhones, iPods or iPads can be used per lock and set to the desired security level. Continuous new updates keep the system at the current state of technical development. Customise all lock and operating functions according to your individual requirements and enjoy maximum convenience with highest levels of security with the keyless operation of LEHMANN locks.

Wording and graphics have been prepared for you with care. However, no liability will be assumed for any mistakes that may have occurred. Copyright 2015 by LEHMANN Vertriebsgesellschaft mbH, D-32429 Minden. All rights reserved. These instructions must not be reproduced in any way (print, photocopy, microfilm or other process) or processed, duplicated or distributed using electronic systems either in whole or in part without written consent from LEHMANN Vertriebsgesellschaft mbH. The scope of items included by the manufacturer in the system as well as technical specifications are subject to change without notice.

Please note:

Radio signals are not confined to rooms with regard to technology and do not require direct visual contact for triggering the desired action. The send command can thus be sent across larger distances and even through walls if required. At the same time, radio signals can be adversely affected by structural conditions, electrical fields and reflections. For reasons of safety and control, particular attention needs to be paid to usage of the display unit on the furniture lock. The display unit signals and acknowledges not only the locked status, but also informs you about the status in case of weak or empty batteries.

NOTE

Our locks and locking systems can basically be used together with mechanisms made by other manufacturers, but their compatibility must be checked by the processor in each individual case. We cannot accept any liability for damage or losses due to incompatibility.

SAFETY PRECAUTIONS

- When replacing the batteries, observe correct battery polarity and position!
- Dispose of used batteries properly!
- Do not heat batteries, take them apart or short-circuit them!
- Never throw batteries into open fire!
- The batteries must not be charged!
- Keep the batteries away from children!
- Any persons swallowing batteries must seek immediate medical advice!
- Damaged and/or leaking batteries may cause acid burns and/or poisoning!

CARE AND MAINTENANCE

- Do not spill any liquid over or into the individual components of the system and never immerse the components in any liquid.
- Depending on the structural conditions, electronic sources of interference and/or frequency overlays, the transmission/reception range as well as the reception quality can be limited.
- Clean the system with a clean, soft, damp cloth only.
- Do not use any cleaning agents that contain abrasives or solvents like glass, thinners, alcohol, gasoline or ammonia, as these can damage the housing.
- Treating any of the electronic and mechanical components improperly or in any way other than described in this user manual may lead to malfunctions.

TECHNICAL SPECIFICATIONS

- The system is not confined to rooms. There needs to be no visual contact between the transmitter and receiver. Frequency: 2,480 GHz. GFSK modulation.
- National legislation about permissible radio frequencies must be observed.
- Range: Depending on the structural conditions, the transmission/reception range can be limited.
- You can pair a maximum of 4 iOS devices with one furniture lock. Teaching in of additional iOS devices is declined thereafter.
- Power supply for control electronics: Battery type: 2x AA / LR6 / alkaline 1.5 V. NiCd, NiMH or other rechargeable batteries as well as zinc-carbon or lithium batteries must not be used!

Temperature range:

Operation: +5°C to +40°C at 30% to 80% relative humidity, non-condensing.
In storage: -25°C to +70°C at 30% to 80% relative humidity, non-condensing.

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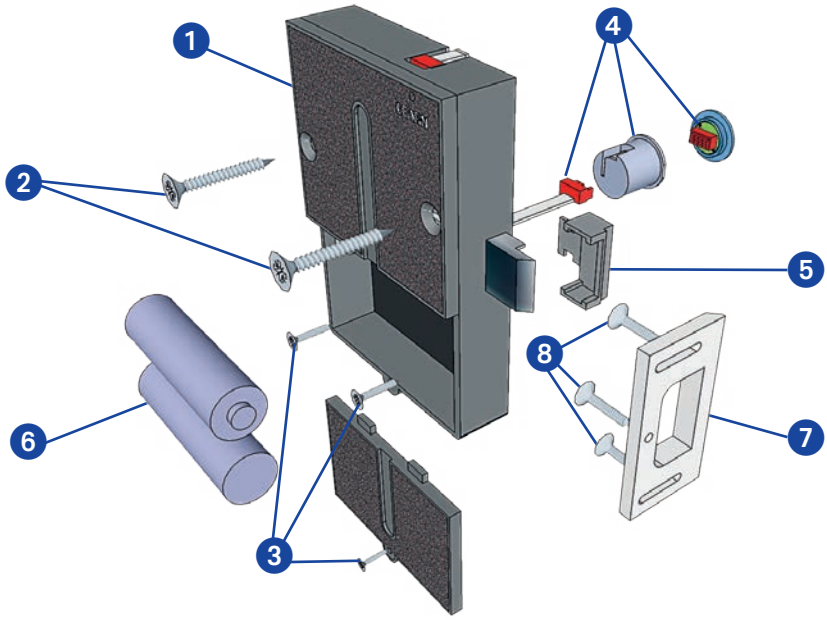
SYSTEM COMPONENTS / PACKAGE CONTENTS

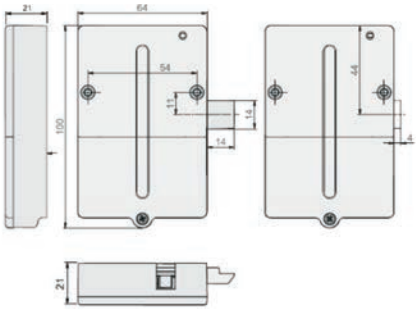


1 M400 Smart Secure furniture lock	2 x Spax 3x30 2	Display unit 4	2 x 1.5V AA 6	Operating instructions
3 x Spax 3x13 3	Bolt protector 5	Striker plate 7	3 x Spax 3x13 8	

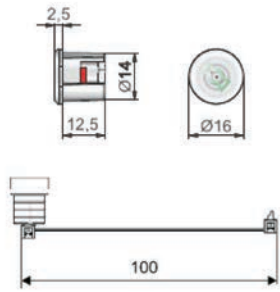
kommt wenn Übersetzung okay

DIMENSIONS

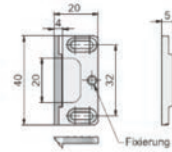
M400 Smart Secure electronics



Display unit



Striker plate



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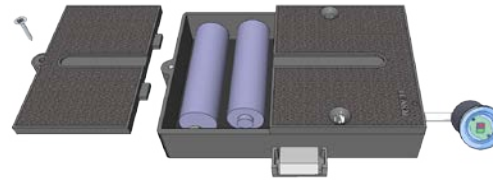
GETTING STARTED / CHANGING BATTERIES

Before initial commissioning, ensure that all required accessories and attachment parts are available. Rechargeable batteries in the operating devices (iOS devices) as well as batteries for the furniture locks should have sufficient energy. Follow the individual sections in the operating instructions step by step.

1. Loosen the screw. Open the battery compartment lid.
2. Insert / replace the batteries.
3. Close the battery compartment lid. **Fit the fixing screw.**



Only install the furniture lock in the furniture when it is unlocked.
Use only **LR6, AA, alkaline** type batteries. Make sure that the polarity is correct!
Rechargeable batteries, zinc-carbon batteries or lithium batteries are not permitted!

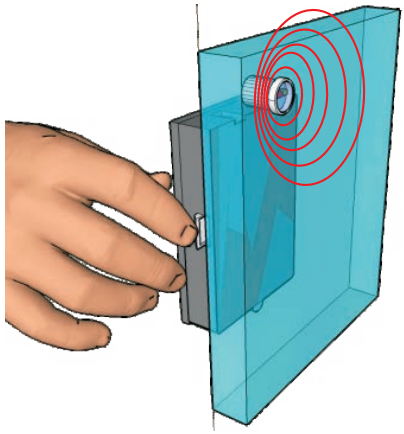
MONITORING THE STOP POSITION OF LOCK

The M400 Smart Secure furniture lock is equipped with a sensor for the stop position of the lock. If the lock does not reach the stop position following a closing command, an optical warning message is issued (see test function). In addition, you will receive a warning on your iOS device.

If the lock is already in stop position upon receiving a closing command, there is no additional closing movement.

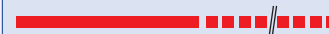
Test function

1. Block the lock
2. Closing command from the device
3. Warning signal lights up



Optical warning on the display unit

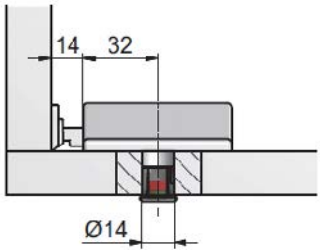
LED colour: **RED**



Stop position of lock not reached

The closing operation could not be completed. Locking bolt is blocked.

INSTALLATION OF OPTICAL DISPLAY

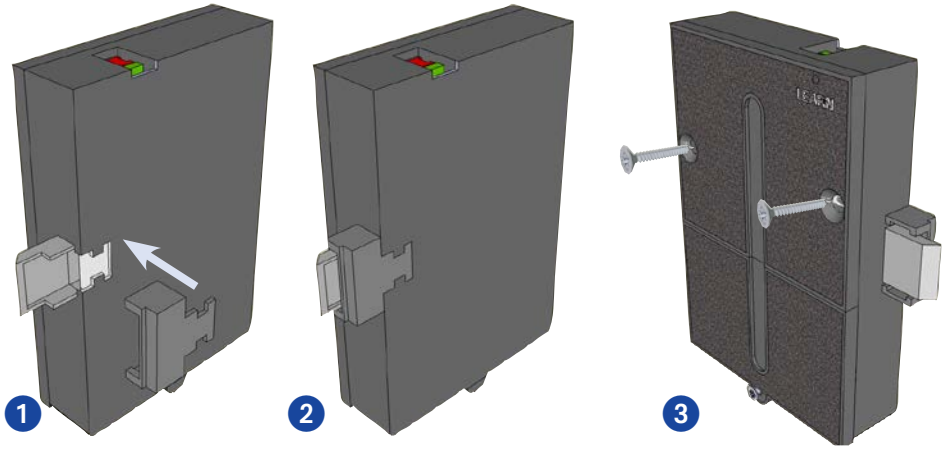


The display unit should be installed so that you have good visual contact. If you install the optical display separately from the control electronics, the length of the connection cable between these system components must not exceed 1m.

For the correct mechanical connection of the M400 Smart Secure system to your furniture, please refer to the installation instructions of your furniture manufacturer. If you have questions about the installation of the system, please contact a carpentry firm or your supplier before installation.

INSTALLING THE PROTECTOR

The bolt protector provided with the M400 Smart Secure can be used for additionally guarding the system against external mechanical manipulation. Depending on the purpose the M400 Smart Secure is being used for and where it is installed, we recommend fitting this additional, easy-to-mount guard.



EXPLANATION OF ICONS AND FUNCTIONS

Visible Locks

Shows all locks for which there is a current connection.

All Locks

All furniture locks stored in the iOS device are displayed. This is independent of the locks being within reception range or not.

New Lock

Under this menu item you can add locks to the iOS device or pair it.

Groups

Under this menu item you can manage the grouping of locks.

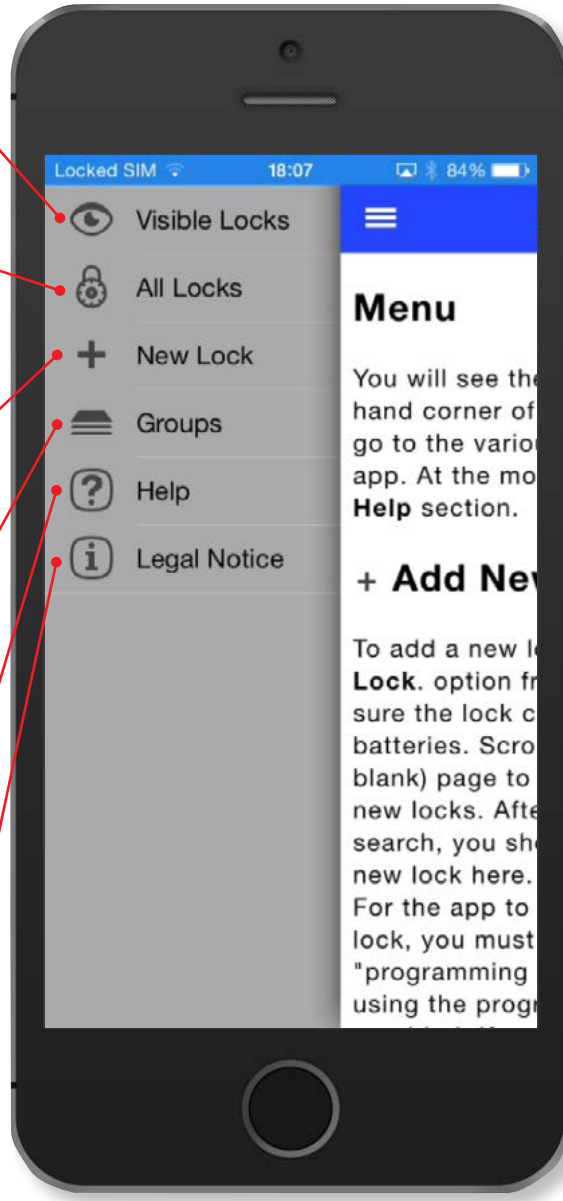
Help

Quick guide and help topics. Online documentation:

www.lehmann-locks.com

Legal Notice

Manufacturer specifications, licensing information.



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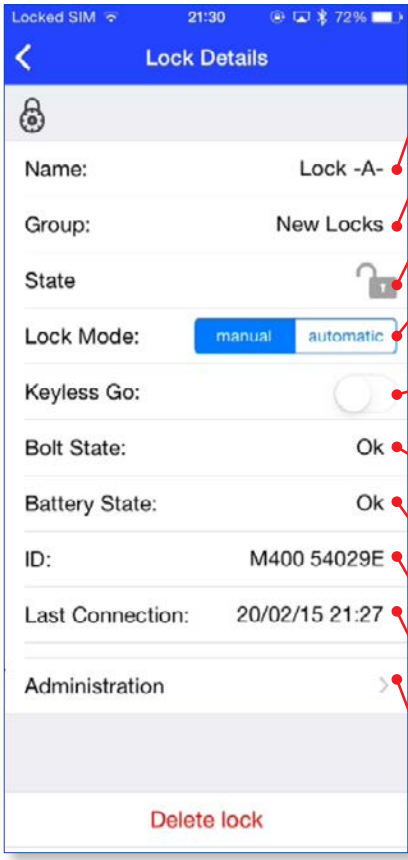
EXPLANATION OF ICONS AND FUNCTIONS



Customised name of the selected furniture lock.

Shows which group this lock is assigned to.

Shows the last known locking status.
locked, open.

Indicates the operating mode.
Here you can switch the locking type for the selected lock from manual (locking process only on command) to automatic locking following a lost connection.

Setting option for the Keyless Go function: automatic release of the lock when a connection between iOS device and lock is established.

If the bolt on the lock is fully extended or the lock is open, this is indicated by “OK”.
A warning is displayed in case of malfunctions.

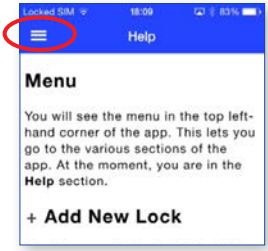
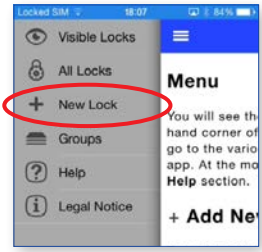
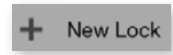
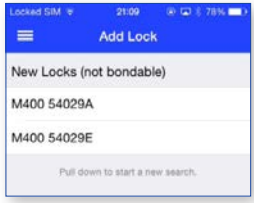
Monitors the battery voltage of the furniture lock and warns you about low power in two stages.

Shows the ID of the furniture locks.

The last contact between the iOS device and the lock is displayed here.

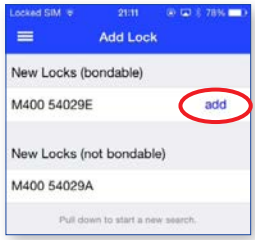
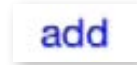
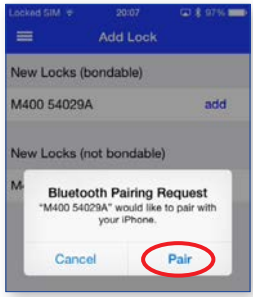
Submenu for safety-relevant settings like: Blocking the programming, deleting and resetting of locks. (Only in case of existing connection to the lock.)

TEACHING IN FURNITURE LOCKS

Display / Menu	Description	Action
	Select the Smart Secure App to start the program.	
	The ***"Help page"*** is displayed the first time you start and when the list of locks is empty. Select the ***"Menu"*** icon.	
	Select the item ***"New Lock"*** from the menu being displayed. For reasons of safety, the transmission range is reduced in this setting in the iOS device. The distance between iOS device and lock should not be more than 30 cm.	
	Perform a manual update of the screen. All locks within range are displayed. To enable you to pair your iOS device with a lock (and subsequently operate it), the ***"Learn"*** button must be actuated on the furniture lock.	

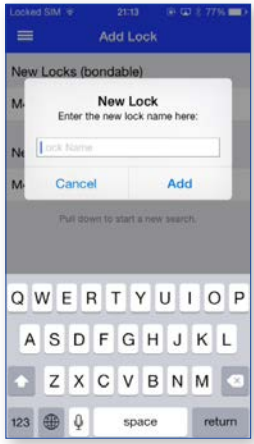
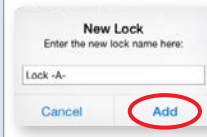
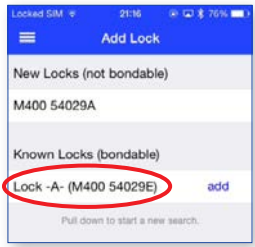
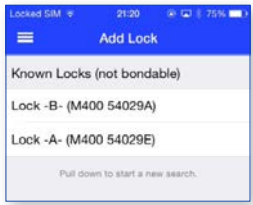
More on page 10

TEACHING IN FURNITURE LOCKS

Display / Menu	Description	Action
	Briefly press the programming stick for the lock you want to pair. ***"Learn"*** button.	
	The selected lock is displayed as ***"bondable"*** after a short period of time. Use the ***"add"*** function.	
	If the lock is paired for the first time, a ***"pairing request"*** is shown. Confirm ***"Pair"*** in this case.	

More on page 11

TEACHING IN FURNITURE LOCKS

Display / Menu	Description	Action
	The following screen is shown automatically. Give the lock a unique name of your choice and then confirm with the ***"Add"*** button. The connection is established in the background.	
	Once the name has been assigned, the lock is displayed as a known lock.	
	If required, repeat steps 4 to 8 for additional locks, or return to the menu. In this example, the second lock was also taught in.	

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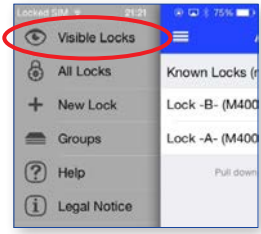
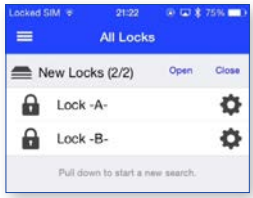
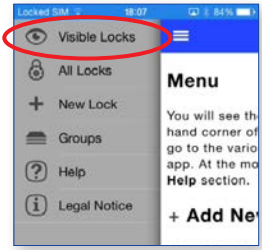
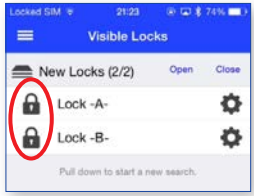
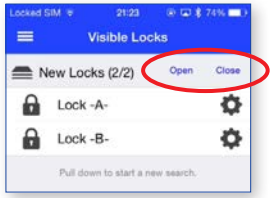
TEACHING IN FURNITURE LOCKS

Display / Menu	Description	Action
	Select the following option from the menu: ***"Visible Locks"***.	
	All locks within range, which you have successfully connected to your iPhone, are displayed here. You can now open and close the locks.	

OPENING AND CLOSING OF FURNITURE LOCKS

Display / Menu	Description	Action
	Switch to the display: ***"Visible Locks"***.	
	The locking status of the locks is shown. You can change the locking status by tapping on the lock icon of the respective lock.	
	Tapping on ***"Open"*** or ***"Close"*** changes all locks of this group in one go.	
	If there is a malfunction during a locking process, or the batteries are running low, a warning is issued. Select ⚙ to obtain details about the warning. Please check the lock in this case, or the locking function and / or the battery status.	

NOTES

NOTES

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