

Welcome to LINKA

Please read this Owner's Manual carefully. The instructions in this guide will help you get the most out of your LINKA Smart Bike Lock. For future reference, you may save a copy of this Owner's Manual.



Smart Bike Lock

Owner's Manual

LK-A100/LK-B100/LK-C100



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Important Safety & Product Information

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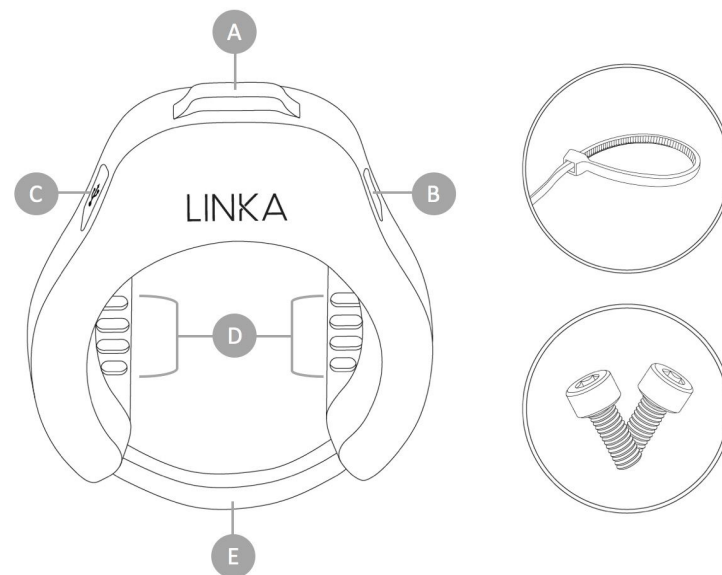
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1. Setup and Get Started


Our innovative technology allows you to secure your bike without a physical key and provides greater peace of mind.

Thank you for purchasing LINKA Smart Bike Lock. Before using your LINKA Smart Bike Lock, read the following instructions to set up your lock and familiarize yourself with the basic features.

1.1. LINKA Lock Overview



LINKA Lock Features

- A. LED Indicator Dome
- B.  Button
- C. Micro-USB Weather Cap & Charging Point
- D. Mounting Slots
- E. Hardened Steel Shackle

Accessories

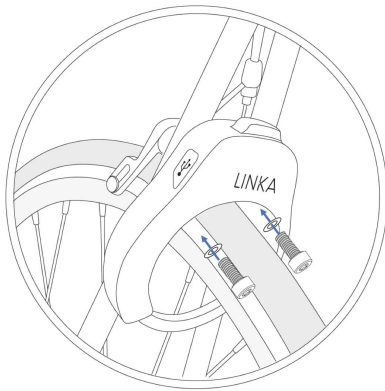
- Micro-USB Charging Cable
- 2 x M5 Mounting Screws
- 2 x M5 Nylon Washers
- 4 x Tie-down Straps

1.2. Installing LINKA

TIP: For the highest level of security, position your LINKA Lock on the inner-rear triangle of your bicycle.

A. Install using mounting screws

- Align the slots on the inner ring of your LINKA Lock with the mounting studs on the seat stays of your bike.
- Attach your LINKA Lock to your bike using the two M5 mounting screws provided.



B. Install using tie-down straps

- Align the slots on the inner ring of your LINKA Lock with the seat stays of your bike.

- Push the tie-down strap through the desired slot and around one of the seat stays.
- Bring the open end of the tie-down strap back through to the worm screw opening.
- Tighten the screw to reduce wiggle room.
- Repeat steps ii-iv on the other seat stay.
- Tighten both screws until your LINKA Lock is secured tightly on your bike.

1.3. Connecting Your LINKA

1. **Download** the LINKA App from the App Store® or Google Play

2. **Tap the LINKA App** icon to launch the App once downloaded

3. **Sign Up / Log in**

a. Sign up for a new account

- Enter your first name, last name, email, and create a password
- Read the Terms & Conditions and check the box if you agree
- Click '**Create Account**'

b. Sign in with Facebook

- Make sure you're currently logged onto Facebook and tap the '**Facebook Sign-in**' button
- If prompted, enter your Facebook login details

NOTE: If you sign up using Facebook, you will need to use Facebook to login.

c. Sign in with Email


If you already have a LINKA Account, enter your email and password to sign in.

4. **Enable bluetooth on your phone**

- If bluetooth is not yet enabled on your phone, the LINKA App will introduce a prompt to enable the function
- Once bluetooth is enabled, click '**Search for LINKA**'

5. **Switch on your LINKA Smart Bike Lock**

TIP: Before switching on your LINKA Lock for the first time, it is recommended to charge it overnight using the micro-USB charger. The LED Indicator will turn solid green when fully charged.

- i. Press the  button on your LINKA Lock to make it discoverable by your smartphone
- ii. The LED dome will begin blinking blue to signify that your Lock is now in Discoverable mode. You will also hear an audible start-up tone.

NOTE: The LED dome will blink blue and remain in Discoverable mode for 60 seconds before switching off to conserve battery power.


6. Connect with your LINKA App

- i. In the LINKA App, Click "LINKA 1" from drop down list.
- ii. The LINKA app will prompt you to enter and store a four-digit Phoneless Access Code (PAC) before continuing further. This is to ensure continued access of your LINKA Lock even when you do not have your smart phone.
- iii. Enter your four-digit Phoneless Access Code
For added security, codes in identical sequences such as '1111' up to '9999', as well as '1234', are not allowed

NOTE: All bluetooth-connected settings, actions, alerts, etc. will function and appear only when bluetooth is enabled on your smartphone.

1.4. Getting to know your LINKA LED


LED Legend:

COLOR	PATTERN	MODE	DESCRIPTION	ACTIONABLE STEPS
No Color	LED off	Sleep	When disconnected from your smartphone, your Lock will go to sleep based on your designated battery setting times	Press  button once to wake Lock
Blue	Blinking	Discoverable	When your LINKA Lock is switched on, the LED dome will blink blue for 60 seconds in search of a smartphone to connect with	A. Connect a new smart Lock B. Be within range of a previously connected Lock to connect
Amber	Solid	Connecting	LINKA Lock is connecting with your smartphone	A. Wait until connection is complete
Green	Blinking	Connected	LINKA Lock has been connected with a smart phone	A. Lock or unlock your LINKA Smart Bike Lock B. Modify your lock settings C. View your LINKA's status and activity


Amber	Blinking	Locking	Your LINKA Lock is locking	Allow your Lock to lock
Red	Blinking Fast	Locking stalled	If there is any interference with the steel shackle, LINKA will retract the shackle for safety reasons. The LED will blink red and you will receive an alert through the LINKA App on your smartphone	Ensure that there is no interference to the locking shackle and attempt to re-lock
Red	Blinking Slow	Locked	When LINKA Lock is locked, the LED will blink red every 6 seconds	Your LINKA Lock is locked and secure
Red	Blinking Slow	Unlocked/Locked	When your LINKA battery is lower than 30%, the led will blink every 5 seconds	Your LINKA Lock needs a battery recharge
Blue	Blinking	Unlocking	Your LINKA Lock is unlocking	Allow your Lock to unlock
Purple	Blinking	Accessible via Phoneless Access Code	When your smart phone is not present, you may enter your personalized Phoneless Access Code to manually unlock your LINKA Lock	Hold the  button for six seconds, then enter your four-digit Phoneless Access Code
Red	Solid	Charging	Your low-battery LINKA Lock is charging	Charge your LINKA Lock using the micro-USB charging cable
Green	Solid	Fully charged	Your LINKA Lock is fully charged and ready for months of use	Unplug your Lock from the micro-USB cable
Purple / Yellow	Solid	Firmware updating	Updates are available for download to ensure you get a constantly improving LINKA experience	Allow your Lock to be updated. The LED will blink blue once the update is successful

2. LINKA Basics

2.1. Locking Your Lock


Once your LINKA Smart Bike Lock is connected with your smartphone, you will be able to lock it. For safety reasons, you will only be able to lock your LINKA Lock with the  button on the lock itself, and not through the LINKA App. There are two ways to lock your LINKA Lock:

A. Connect and Lock

- i. Make sure the lock is not moving. If there is motion detected, the lock will not lock for the purpose of safety.
- ii. The LINKA Lock needs to be connected to your smartphone, LINKA Lock LED blinking green, before it can lock. The LINKA App will also show **'Connected'** in the home screen.
- iii. Press the  button twice (consecutively) on the LINKA Lock to lock. The LINKA App will show you the status of your lock and whether or not it is locked. Three beeps will sound once your lock is successfully locked.

B. Phoneless Access Code (PAC) Lock

See Section 2.3 *Phoneless Access Code (PAC)*

NOTE: If there is an obstruction to the locking, LINKA will automatically retract and remain unlocked. If this happens, you will receive an alert on your smartphone with the instruction to re-lock your LINKA Lock, along with an audible 'Check your lock' tone. Ensure that there are no obstructions to the lock and re-attempt to lock your LINKA Lock by double-tapping the  button.

TIP: On rare occasions, the locking shackle may stall and retract without any obstructions. If this happens, turn on "Stall Override" under the settings page. With Stall Override enabled, the locking shackle will force lock and not retract if there is an obstruction.


2.2. Unlocking Your Lock

Once your LINKA Smart Bike Lock is connected with your smartphone, you will be able to unlock it. There are four ways to unlock your LINKA Lock:

A. Unlock through the LINKA App

On the LINKA home page, double tap the locking shackle on screen. Your lock will unlock, and its status will reflect on the App.

B. Unlock through the button

Double-press the  button on your LINKA Lock to unlock it manually.

C. Unlock through the Auto-Unlock feature

Your LINKA Lock will unlock automatically as you approach your bike if this feature is enabled.

- i. When Auto-Unlock is enabled, your LINKA Lock will be able to recognize you as you approach and unlock automatically.
- ii. Your LINKA Lock will begin unlocking once you enter within 3 to 5 ft (1 to 1.5m) radius of your bike.

NOTE: Auto-unlocking will only work after the smartphone has first disconnected with the LINKA Lock and then coming back into range.

TIPS:



- Auto-unlocking requires your lock to be active and awake, increasing battery usage drastically. If you wish to save battery, disable Auto-Unlocking.
- To avoid accidentally unlocking your bike, it is recommended that you disable Auto-Unlock if you are in and out of your bike's vicinity often.

D. Phoneless Access Code (PAC) Unlock

See Section 2.3 *Phoneless Access Code (PAC)*

2.3. Phoneless Access Code (PAC)

In some cases, your phone may be unavailable to lock/unlock your LINKA Smart Bike Lock. The Phoneless Access Code feature allows you to manually access your LINKA Lock and resume usage of your bike without the LINKA App.

- i. Press and hold down the  button on the LINKA Lock for six seconds, until the LED starts blinking purple.
- ii. Press the  button the number of times equivalent to your first digit, and then release until you hear a beep.
- iii. Repeat the previous step until all four digits are entered. Your Lock will automatically lock/unlock once you have entered all four digits successfully.
- iv. If the code is entered incorrectly, a different beep will sound and your LINKA Lock will remain unchanged. In this case, repeat steps (ii) to (iv) again.
- v. If the code is entered incorrectly four times, your LINKA Lock will lock out for one hour.

3. LINKA App Features and Settings

3.1. Location

The **Location** feature displays the last location your LINKA Lock was locked.

This feature can be accessed whether or not your LINKA Lock is connected with your smart phone. This feature is accessible through: launching the **LINKA App > Menu > My LINKA > Location**

3.2. Bike Profile

Store information about your bike, including a photo and serial number, and match it with a LINKA Smart Bike Lock. This is useful for tracking and/or using multiple bikes. It is also useful for reporting stolen bikes. This feature can be accessed through: launching the **LINKA App > Menu > My LINKA > Profile**

- i. Add a photo through: **'Add Photo'** icon > Take a new photo or select from existing photos on your smartphone
- ii. Modify your bike's details, then tap **'Save'**

3.3. Settings

The Settings page allows you to customize specific settings on your LINKA Smart Bike Lock. To access this page, your LINKA Lock must be connected with your smart phone. You must also be the owner of the lock.

You can change your LINKA Lock's settings through: launching the **LINKA App > Menu > My LINKA > Settings**

A. Phoneless Access Code (PAC)

- i. Enter your personal four-digit **PAC**
- ii. Re-enter your **PAC** to confirm
- iii. Once successfully stored, you can access/view your PAC on the main settings page under the Phoneless Access Code menu

NOTE: Store this access code somewhere safe to access your LINKA Lock when your phone is unavailable.

B. Edit Lock Name

Editing your LINKA Lock's name makes it easier to identify your Lock and bike for convenience

- i. Tap **'Edit Name'**
- ii. Enter your desired name and tap **'Save'**

C. Audible Tones

The Audible Tones feature allows you to switch notification tones on your LINKA Smart Bike Lock on/off when your Lock locks, unlocks, connects, etc.

Tap the slider to toggle between **ON** and **OFF**.

D. Audible Alarm

The Audible Alarm feature allows your LINKA Lock's siren to sound when the Lock is being tampered with. In some cases, you may not need this feature and you may switch the siren feature off.

Tap the slide to toggle between **ON** and **OFF**.

E. Auto-Unlocking

The Auto-Unlock feature allows your LINKA Lock to automatically unlock when it recognizes you approaching.

Tap the slide to toggle between **ON** and **OFF**. Setting the toggle to **ON** means the feature is enabled and your LINKA Lock will automatically unlock

NOTE: You must first leave the bluetooth range of your LINKA and return back within range for this feature to be activated each time to auto-unlock.

F. Stall Override

On rare occasions, the locking shackle may stall and retract without any obstructions. If this happens, turn on "Stall Override" under the settings page. With Stall Override enabled, the locking shackle will force lock and not retract if there is an obstruction.

Tap the slide to toggle between **ON** and **OFF**.

3.4. Manage Devices

The Manage Devices feature allows you to add a new LINKA Smart Bike Lock or delete an existing connection. You can manage your LINKA Locks through: launching the **LINKA App > Menu > Manage Devices**

- To delete an existing connection, tap the red minus sign next to the Lock you would like to disconnect from your smart phone.
- To add a new lock, tap the green plus sign and follow the instructions on Section 1.3 to complete a new connection. You can add up to four locks per phone.

3.5. Notifications

The Notifications section allows you to control all alerts and notifications on your phone from your connected LINKA Lock. You can access and/or change your notification settings through: launching the **LINKA App > Menu > My LINKA > Notifications**

A. Out of Range Alert

- The **Out of Range** notification informs you when your LINKA Lock is out of your smart phone's range. In this case, you will be unable to receive any tamper alerts.
- This notification is intended to keep you informed of whether or not you can receive tamper alerts. If you are out of range, you will not be alerted when your bike is being tampered with.
- Tap the slide to toggle between **ON** and **OFF**.

*NOTE: When **Out of Range** is switched **OFF**, you will not be alerted if your bike is in danger or being tampered with.*

B. Back in Range Alert

- The **Back in Range** notification informs you when your LINKA Lock is back within range of your smart phone. In this case, you will be able to receive tamper alerts.
- This notification is intended to keep you informed of whether or not you can receive tamper alerts.
- Tap the slide to toggle between **ON** and **OFF**.

*NOTE: When **Back in Range** is switched **OFF**, but you are within range of your LINKA Lock, you will receive tamper alerts.*

C. LINKA Battery Low Alert

- The **Battery Low Alert** informs you when it is time to recharge your LINKA Lock.
- Tap the slide to toggle between **ON** and **OFF**.
- When switched on, you will receive an alert when your Lock's battery reaches 30% or below.

NOTE: If you are not within range of your LINKA Lock, you will receive a notification the next time you're within range and your Lock is running on 30% battery charge or below.

D. LINKA Battery Critically Low Alert

- The **Battery Critically Low** Alert informs you when it is time to recharge your LINKA Lock.
- Tap the slide to toggle between **ON** and **OFF**.

- When switched on, you will receive an alert when your Lock's battery reaches 10% or below.

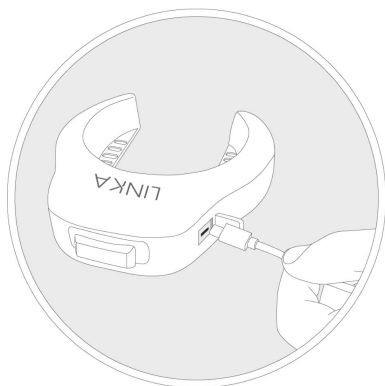
NOTE: If you are not within range of your LINKA Lock, you will receive a notification the next time you're within range and your Lock is running on 10% battery charge or below.

WARNING: Your LINKA Lock will no longer lock once its battery reaches 10% or below. This is a security feature preventing your bike from being locked and no longer functioning due to battery power depletion.

4. Charge your LINKA

LINKA is powered by a built-in lithium-ion battery that you can charge using a standard wall outlet, a USB port on your computer, or a portable battery pack.

- i. Pull the weather cap open from the micro-USB port.
- ii. Plug the micro-USB end of the supplied cable into the micro-USB port.
- iii. Plug the USB end of the cable into your computer, a wall outlet-connected AC adaptor, or a portable battery pack.
- iv. When your lock is fully charged, the LED indicator will turn solid green.



NOTE: The Lock will not charge in temperatures beyond the 0°C to 45°C (32°F to 112°F) range. The Lock will only charge when it is unlocked.


TIP: To prevent corrosion, thoroughly dry the micro-USB port, the weather cap and its surrounding areas before charging your LINKA Smart Bike Lock.

5. LINKA Bike Sharing

Sharing your LINKA Smart Bike Lock with friends is easy and can be done remotely. You can share when LINKA Lock is locked, or unlocked.

5.1. Sharing your LINKA Lock

Any user can request access to any LINKA Lock owner by attempting to connect to the Lock.

- i. To request access, press the  button on the LINKA Lock to make it discoverable by the smartphone
- ii. If the LINKA Lock is unlocked, the LED indicator will begin blinking blue (and remain blinking red if locked) identifying that the device is now in discoverable mode. New user will also hear an audible start up tone.
- iii. Once a new smartphone tries to connect with the Lock, a permission request will be sent by email to the LINKA Lock's owner (the first user to connect to the LINKA Lock).
- iv. Once the request is approved by the owner, the user of the new smartphone will receive access to the LINKA Lock.

NOTE: Users with shared access to a LINKA Lock will not be able to change any of the existing settings on the LINKA Lock, this can only be done through the owner's LINKA App.

5.2. Revoking permissions

An admin can choose to revoke sharing to users at any time and prevent access to a LINKA Lock if necessary.

Admins may revoke sharing through: launching the **LINKA App > Menu > My LINKA > select LINKA Lock from list > Settings > Revoke Access Keys**

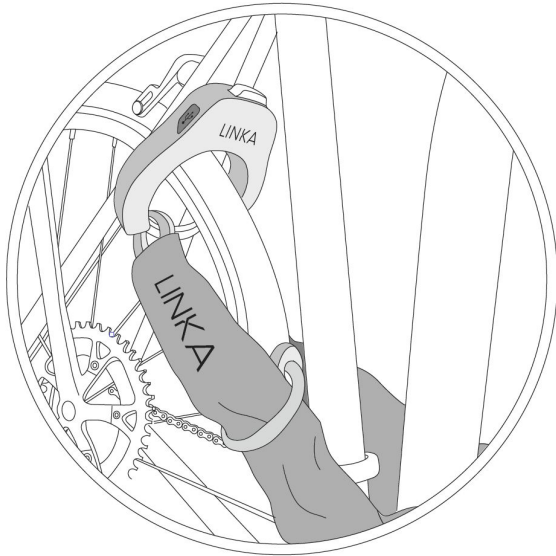
The main lock owner will receive an email to prompt the revocation.

6. LINKA Add-On Chain

For additional security and longer lock-ups, use LINKA's heavy-duty add-on noose chain.

How to use:

- i. Noose the chain around an immovable object and your bike frame.
- ii. Hook the chain through the locking ring of your LINKA Lock (see image).



7. Troubleshooting and Support

7.1. Factory Reset

Recommended if the Lock is changing ownership, or if you'd like to restore your LINKA Smart Bike Lock's original factory settings.

You may Factory Reset your LINKA Lock through: launching the **LINKA App > Menu > My LINKA > select LINKA Lock from list > Settings > Restore Factory Settings**

Do not switch off your smartphone or change any settings on your LINKA Lock during the reset process.

7.2. Updating Software

Your LINKA App will notify you of available new app software and firmware updates.

Once your LINKA Lock is connected with your smartphone, you will be able to wirelessly update to the latest firmware through the LINKA app if there are firmware-updates available. The latest firmware on the LINKA App will update your Lock wirelessly once there are firmware-specific updates available.

Do not switch off your smartphone or change any settings on your LINKA Lock during the update process.

7.3. Limited Warranty

LINKA warrants all products sold by LINKA to be free of defects in material and workmanship for a period of one (1) year from the date of purchase unless otherwise specified on the product. If a product is found to be defective by LINKA, in its sole description, LINKA's only responsibility will be to replace the defective product. LINKA will not be responsible for any costs, losses or damages incurred because of the loss or use of any of its products, and LINKA specifically disclaims all claims for consequential and incidental damages. This limited warranty is subject to several important restrictions:

- This limited warranty only applies to products purchased directly from LINKA or from a LINKA Authorized Reseller.
- This limited warranty is valid only for the original purchaser of a product, and it cannot be transferred to another person upon the sale, lease, or transfer of the product.
- This limited warranty does not apply to anything other than defects in the manufacturing and workmanship of the product.
- The limited warranty is waived if you seek to repair the product using anything other than approved LINKA products and services, or if you seek to combine the product with any third-party products.
- If, upon its inspection, LINKA discovers that you have modified, changed, or altered the product in any way, this limited warranty is waived.

- LINKA offers no warranty regarding the life of the batteries used in its products. Actual battery life may vary depending on a number of factors, including but not limited to, the configuration and usage of a product.

Your use of LINKA products is at your own discretion and risk. You will be solely responsible for (and LINKA disclaims) any and all loss, liability or damages resulting from your use of our products, including loss of life, personal injury, or the loss of, or damages to all other property. LINKA does not guarantee or promise any specific level of performance or battery life associated with the use of its products or their features. All warranties implied by state law, including the implied warranties of merchantability and fitness for a particular purpose, are hereby limited to the duration of the limited warranty. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you. With the exception of any warranties implied by state law as hereby limited, the foregoing limited warranty is exclusive and in lieu of all other warranties, guarantees, agreements and similar obligations of manufacturer or seller.

7.4. Additional Support

For additional support and FAQs, visit our support page at www.LINKALock.com/Support.

8. Important Safety & Product Information

8.1. Device Information

Battery type	Built-in rechargeable lithium-ion battery
Battery duration	up to 16 months on a single charge depending on usage
Operating temperature range	-20°C to 55°C (-4°F to 131°F)
Charging temperature range	0°C - 45°C (32°F - 112°F)
Radio protocol	Bluetooth Low Energy
Water rating	IEC 60529 IP56

8.2. Software License Agreement

By using this Lock, you agree to be bound by the terms and conditions of the following software license agreement. Please read this agreement carefully.

LINKA grants you a limited license to use the software embedded in this Lock (the "Software") in binary executable form in the normal operation of the product. Title, owner rights, and intellectual property rights in and to the Software remain with LINKA and/or its third party providers.

You acknowledge that the Software is the property of LINKA and/or its third party providers and is protected under the United States of America copyright laws and international copyright treaties. You further acknowledge that the structure, organization, and code of the Software, for which source code is not provided, are valuable trade secrets of LINKA and/or its third-party providers and that the Software in source code form remains a valuable trade secret of LINKA and/or its third-party providers. You agree not to decompile, disassemble, modify, reverse assemble, reverse engineer, or reduce to human readable form the Software or any part thereof or create any derivative works based on the Software. You agree not to export or re-export the Software to any country in violation of the export control laws of the United States of America or the export control laws of any other applicable country.

8.3. Battery Warnings

Failure to follow these guidelines may shorten the lifespan of your LINKA Lock's internal lithium-ion battery; risk damage, dysfunction and/or inoperability of the Lock; fire; chemical burns; electrolyte leaks; and/or injury.

- Do not puncture or incinerate the Lock or battery.
- When storing the Lock for an extended period of time, store within the following temperature range: 0°C to 25°C (32°F to 77°F).
- Do not operate the Lock beyond -20°C to 55°C (-4°F to 131°F).
- Contact your local waste disposal department to dispose of the Lock and/or battery in accordance with applicable local laws and regulations.

Non-User-Replaceable Battery Warning: Do not remove or attempt to remove the non-user-replaceable battery.

8.4. Declaration of Conformity

LINKA hereby declares that this product is in compliance with essential requirements and other relevant provisions. To view the full Declaration of Conformity, visit the LINKA website: <http://www.linkalock.com/compliance>

8.5. FCC Compliance

This Lock complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this Lock may not cause harmful interference, and (2) this Lock must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital Lock, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and may cause harmful interference to radio communications if not installed and used in accordance with the instructions. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by switching the equipment off and on, the user is encouraged to try to correct the interference through one of the following measures:

- Reorient or relocate the receiving antenna
- Increase the distance between the equipment and the receiver
- Connect the equipment to an outlet in a different circuit from the one to which the receiver is connected
- Consult the dealer or an experienced radio/TV technician for help

This product does not contain any user-serviceable parts. Repairs should only be performed by an authorized LINKA service center. Unauthorized repairs or modifications could result in permanent damage to the equipment and void your warranty.

8.6. Industry Canada Compliance

Category I radiocommunication Locks comply with Industry Canada Standard RSS-210.

Category II radiocommunication Locks comply with Industry Canada Standard RSS-310.

This Lock complies with Industry Canada license-exempt RSS standards. Operation is subject to the following two conditions: (1) this Lock may not cause interference, and (2) this Lock must accept any interference, including interference that may cause undesired operation of the Lock.