

LINKA LASSO Owner's Manual

Table of Contents

| | |
|--|-----------|
| Before Getting Started | 3 |
| 1. Important Safety and Product Information | 3 |
| c. Battery Warnings | 3 |
| d. Declaration of Conformity | 3 |
| e. FCC Compliance | 3 |
| f. Industry Canada Compliance | 4 |
| 2. Limited Warranty | 5 |
| a. Warranty Policy | 5 |
| 1. Welcome | 6 |
| a. Introducing the LINKA LASSO Smart Chain Lock | 6 |
| 1. Setting up your LASSO | 7 |
| LED Legend | 8 |
| 2. Pairing your device | 9 |
| c. Logging in | 9 |
| i. Sign up | 9 |
| ii. Sign in | 9 |
| d. Enable Bluetooth on your phone | 9 |
| e. Power up your LASSO | 9 |
| f. Select your device from list | 9 |
| g. Setup your phone-less access code | 10 |
| 2. Securing items with LASSO | 10 |
| 3. Unlocking your device | 11 |
| i. Unlock by button on LINKA | 11 |
| 4. Locking your device | 12 |
| 5. Access your device via Phone-less Access Code | 12 |
| 6. Settings (In App) | 12 |
| d. Phone-less Access Code | 13 |
| f. Edit Lock Name | 13 |
| g. Audible Alarm | 13 |
| 7. Charging Your LINKA device | 13 |
| 8. Sharing your LINKA device | 14 |
| a. Sharing your LINKA is very easy and can be done remotely. | 14 |
| b. Sharing when device is locked or unlocked | 14 |
| 1. Troubleshooting & Support | 18 |
| a. Rebooting the device | 18 |
| b. Factory Reset | 18 |

| | |
|--------------------------------------|-----------|
| c. Updating Software | 18 |
| d. More Support | 18 |
| 2. Software License Agreement | 18 |

See the Important Safety and Product Information guide in the product box and our website for product warnings and other important information.

Before Getting Started

When using your LINKA LASSO device for the first time, you should complete these tasks to set up the device and get familiar with the basic features.

1. Important Safety and Product Information

- a. Please read this owner's guide
- b. Please take the time to follow the instructions in the owner's guide carefully. It will help you get the most out of the features your new LINKA product has to offer. Save the owner's guide for future reference.

c. Battery Warnings

- i. If these guidelines are not followed, the internal lithium-ion battery may experience a shortened lifespan, a risk of damage to operability of the device, fire, chemical burn, electrolyte leak, and/or injury.
 - 1. Do not puncture or incinerate the device or battery.
 - 2. When storing the device for an extended time, store within the following temperature range: from 32 F to 77 F (from 0 C to 25 C)
 - 3. Do not operate the device outside of -4 F to 131 F (from -20 C to 55 C).
 - 4. Contact your local waste disposal department to dispose of the device/battery in accordance with applicable local laws and regulations.
 - 5. Do not charge device below temperature 32F (0 C)
- ii. Non-User replaceable Battery Warning: Do not remove or attempt to remove the non-user-replaceable battery.

d. Declaration of Conformity

- i. Hereby, LINKA declares that this product is in compliance with the essential requirements and other relevant provisions. To view the full Declaration of Conformity, see the LINKA website:
www.linkalock.com/compliance.

e. FCC Compliance

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

- ii. **Warning:** Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

- iii. NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, 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, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. 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 turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
 - 1. Reorient or relocate the receiving antenna.
 - 2. Increase the separation between the equipment and receiver.
 - 3. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
 - 4. Consult the dealer or an experienced radio/TV technician for help.

- iv. **FCC Radiation Exposure Statement:**
 - 1. This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance 20cm between the radiator & your body.

f. Industry Canada Compliance

- i. English:

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

- ii. French:

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

(1) l'appareil n'aurait pas produit de brouillage, et
(2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement."

- iii. Le présent appareil est conforme. Après examen de ce matériel aux conformités ou aux limites d'intensité de champ RF, les utilisateurs peuvent sur l'exposition aux radiofréquences et conformité d'acquiescer les informations correspondantes. La distance minimale du corps à utiliser le dispositif est de 20cm.
- iv. The device is in compliance with RF exposure guidelines, users can obtain Canadian information on RF exposure and compliance. The minimum distance from the body to use the device is 20cm.

2. Limited Warranty

a. Warranty Policy

- i. LINKA warrants to the original end user customer or purchaser of this Product ("You") that the product is free from defects in material and workmanship, subject to the conditions stated herein, for the shorter of:
(1) a period from the date of purchase of the product in its original sealed packaging until the expiration date of the Limited Warranty as specified in the Warranty Policy. (Refer to the entire Warranty Policy for details.) (2) If no proof of the date of purchase is provided, the warranty period will be considered to have started three (3) months after the date that the product was manufactured.).
- ii. Within this period, LINKA will, at its sole discretion, repair or replace any components that fail in normal use. Such repairs or replacement will be made at no charge to the customer for parts or labor, provided that the customer shall be responsible for any transportation cost. This warranty does not apply to:
 - 1. Cosmetic damage, such as scratches, nicks and dents;
 - 2. Consumable parts, such as batteries, unless product damage has occurred due to a defect in materials or workmanship;
 - 3. Damage caused by accident, abuse, misuse, water, flood, fire, or other acts of nature or external causes;
 - 4. Damage caused by service performed by anyone who is not an authorized service provider of LINKA;
 - 5. Damage to a product that has been modified or altered without the written permission of LINKA;

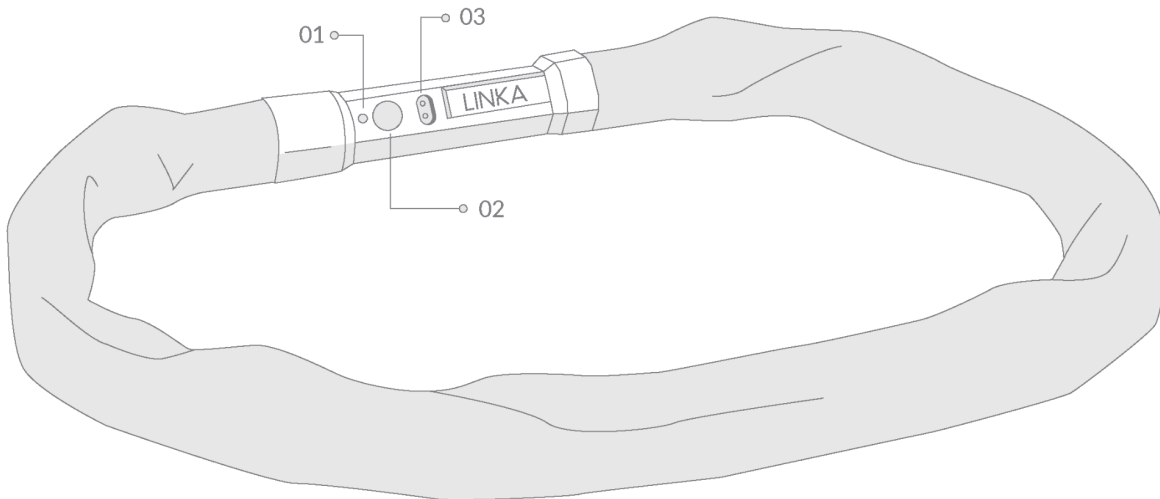
6. Damage to a product that has been connected to power and/or data cables that are not supplied by LINKA. In addition, LINKA reserves the right to refuse warranty claims against products or services that are obtained and/or used in contravention of the laws of any country.


1. Welcome

a. Introducing the LINKA LASSO Smart Chain Lock

- i. Thank you for purchasing your LASSO Smart Chain Lock from LINKA. Our innovative technology allows you to secure your bike or other valuables with no physical keys and an increased peace of mind.

LASSO button layout:




1. LED Indicator dome
2.  button
3. Pogo charge point

1. Setting up your LASSO

Before turning on your device for the first time, charge your LASSO overnight using the included pogo charging cable. The LED indicator will turn red while being charged and will change solid green when fully charged.














While your LASSO is charging be sure to download the LINKA app from your preferred app store.

- a. Once charged and unplugged, Tap 
- b. LED dome will begin blinking blue identifying that your device is now in discoverable mode. You will also hear an audible start up tone.
- c. Open up your downloaded LINKA app and continue the pairing process there.

NOTE: LED dome will blink blue (stay in discoverable mode) for 90 seconds before turning your device off to conserve battery power.



LED Legend

| Color | Pattern | Mode | Description | What to do? |
|---|-------------|------------------------------|---|--|
|  Blue | Pulsing | Discoverable | When your device is turned on, the LED dome will blink blue for 90 seconds in search of a phone to pair with. | <ol style="list-style-type: none"> 1. Pair a new device 2. Be in range with a previously connected device |
|  Green | Blinking | Unlocked | Paired and connected, when unlocked your LASSO blinks green 3 times. | <ol style="list-style-type: none"> 1. Hold the LASSO button for 1 second while paired with Smart Motion Key or click unlock in the app. |
|  Red | Blinking | Locked | Locking, after joining both ends of the lock your LED will blink red 3 times. | Allow your device to lock |
|  Red/Blue | Blinking | Stall unlocking | If there is any interference while locking you will hear a tone and see the LED flash red/blue back and forth. | Ensure there is no interference when locking and attempt to re-lock |
|  Purple | Solid | Phoneless Access Code Entry | When your phone is not present, utilize the personalized phoneless access code to access your LINKA device. | After holding the  button for 6 seconds, and seeing the LED purple enter your 4-digit access code |
|  Red | Solid | Charging | Once your battery gets low, plug in the pogo charge cable into a computer or a usb-plug charger | Allow your device to charge |
|  Green | Solid | Charged | Your battery is fully charged and ready for more months of peace of mind and riding | Unplug your device from the micro-usb charge connector and get back to riding your bike! |
|  Purple/Green | Alternating | Firmware Update | We're learning from your feedback and constantly looking to improve LINKA and your experience | Allow your device to go through the update process. LED will be purple during update and turn green when update is successful. |
|  White | Blink | Button Press | When the LASSO power button is pressed | LED light flashes white to confirm button has been pressed |
|  Green/White | Blinking | Alarm Turns ON | Plays when LASSO has been locked and within 30 seconds the power button is pressed twice in quick unison (span under 3 sec) | Your LASSO alarm has been activated |
|  Red | Strobe | Alarm Turns OFF | After Alarm has been activated for 30 seconds and LASSO senses motion, alarm goes off for 2 min | Your LASSO alarm has been deactivated |
|  Blue | Blinking | Successful Bluetooth pairing | When a new bluetooth pairing is added to LASSO memory chip (either phone or Smart Motion Key) | Once pairing is successful in the LINKA app your LED light will blink 3 times in blue. |

2. Pairing your device

- a. Download the LINKA App through Google Play or the Apple Store:



- b. Click **LINKA icon** to launch app once downloaded

c. Logging in

i. Sign up

1. Enter your Email
2. Click **Create Account**
3. You will receive an email with a confirmation code that will serve as your one-time password.
4. Your app will remain logged in but if for some reason you are logged out you can always log back in by entering the same email address you used to sign up and we will email you a new one-time password.


ii. Sign in

1. If you already have a LINKA account, enter Email and Password
2. Click **Sign In**.

d. Enable Bluetooth on your phone

- i. If you don't have bluetooth enabled on your phone, the LINKA app will introduce a prompt to **Enable**.

e. Power up your LASSO

- i. To enter discovery mode, Tap the  button.
- ii. LED dome will begin blinking blue identifying that your device is now in discoverable mode. You will also hear an audible start up tone.

f. Select your device from list

- i. Tap on "+" symbol in the app and select the LASSO Device.

g. Setup your phone-less access code

- i. It is required that you enter and store a 4-digit phone-less access code before continuing further. This is to ensure you don't get locked out if you don't have your phone.
- ii. Enter your 4-digit access code
 1. *For added security, Codes "1111" up to "9999" and "1234" are not allowed.*
- iii. Re-enter your 4-digit access code and press **Save**

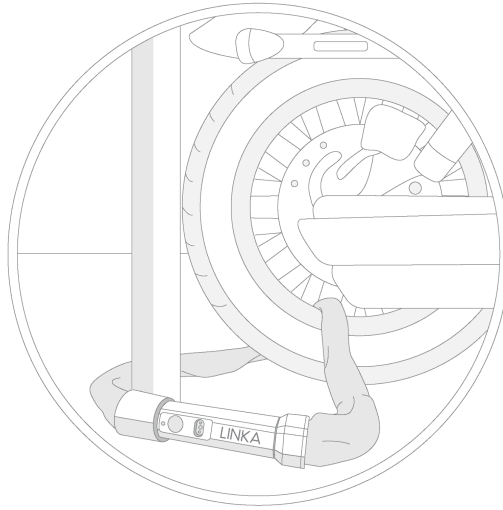
NOTE: All bluetooth connected settings, actions, alerts, etc. will function and appear only when Bluetooth is enabled on your phone.

2. Securing items with LASSO

- a. For the highest level of security for your bicycle we recommend threading your LASSO through your bicycles frame.






- b. When securing your motorcycle we recommend threading LASSO through your bike's rear rim.



- c. Your LASSO can also be used to secure any other objects you would usually secure with a lock and chain, such as a garage gate, barn door or kayak.





3. Unlocking your device

- a. Once your device is paired, you will be able to unlock your LASSO device.
- b. There are 3 ways to unlock your device. Unlock in App, Unlock by  button on LASSO while lock is paired with either app or optional SmartMotion Key, or unlocking with your Phoneless Access Code (PAC)..
 - i. **Unlock by  button on LINKA**
 - 1. Single-press and hold for 1 second the  button on LASSO and manually spread both parts of the lock apart.

4. Locking your device

- a. Once your device is paired, you will only be able to lock your device automatically by manually joining both ends of the lock together and not through the LINKA App.
- b. The LINKA app will show you the status of your device and whether or not it is locked or unlocked.
- c. If there is an obstruction while locking, LASSO will automatically unlock.
 - i. You will receive an alert on your phone to re-lock your device and will hear an audible “lock jam” tone.
 - ii. Ensure there are no obstructions and re-attempt to lock the device.
 - iii. Once Locked, you will hear a lock tone.

5. Access your device via Phone-less Access Code

- a. In some cases, your phone battery may be completely drained or your phone is lost or forgotten. Phone-less Access Code Feature allows you to unlock LASSO to access your bike or other valuables and get to your destination without any delays or worries.
- b. Press and hold down the  button on LINKA until the LED dome turns solid Purple (6 seconds).
- c. Press the  the number of times of your 1st digit then release until you hear an audible beep sound. For example if the first digit of your code is “2” you will need to press the button twice, then pause for 1 second before you enter the next digit in your code.
- d. Repeat the previous step until all 4 digits are entered. Your device will automatically unlock after successfully entering all 4 digits.
- e. If the code is entered incorrectly, you will hear an audible “unsuccessful” tone. You must attempt steps b.-d. Again.

6. Settings (In App)

- a. The Settings page allows you to customize specific features on your device.
- b. To access this page, your device must be paired and connected.
- c. To access/change your device Settings. Open your LINKA app and on your LASSO homepage select the bottom tray right hand icon with the picture of the cog wheel.

d. Phone-less Access Code

- e. During your LASSO's setup you will be prompted to create a phoneless access code. This code is useful if you need to unlock your LASSO but do not have a phone or SmartMotion Key with you.
 - i. **Enter** your personal 4-digit access code
 - ii. **Re-enter** your personal 4-digit access code
 - iii. Click **Save**
 - iv. **NOTE:** Record or store this access code somewhere safe to access your device your phone is not present.

f. Edit Lock Name

- i. Editing your lock name makes it easier for you to recognize your device for your convenience.
- ii. **Click** The Pencil Icon next to your LASSO name on the LASSO home screen.
- iii. **Enter** your desired lock name

g. Audible Alarm

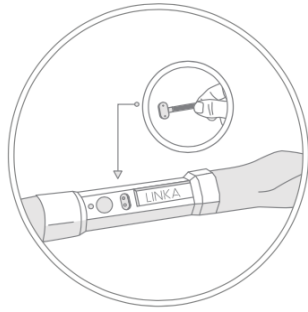
- i. The Audible Alarm feature allows a siren to sound when the device is being tampered with. In some cases you may not need this feature and can turn the siren feature off.
- ii. **Tap** the slide to toggle between ON and OFF.

7. Charging Your LINKA device

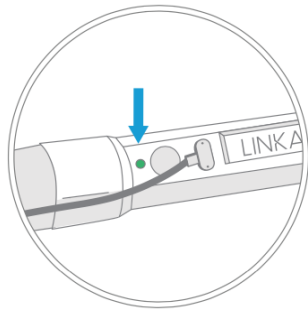
NOTICE: To prevent corrosion, thoroughly dry the pogo charging port and the surrounding area before charging.

Your LASSO device 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.

NOTE: The device will not charge when outside the temperature range of 32° to 112°F (0° to 45°C)



1. Connect the supplied cable to the pogo port on the top face of your smart chain lock to charge



2. When the LED indicator turns solid green, your LASSO is fully charged.

- a. **Plug** the pogo small end of the USB cable into the pogo charging port.
- b. **Plug** the USB end of the cable into your computer, wall outlet-connected AC adaptor or portable battery pack.
- c. The LED indicator will turn red while being charged and will change solid green when fully charged.

8. Sharing your LINKA device

- a. Sharing your LINKA is very easy and can be done remotely.
- b. Sharing when device is locked or unlocked
 - i. Make sure your LASSO is on and paired with your smartphone
 - ii. Click on the bottom left icon in your LINKA app home tray. The icon with two user heads on it.
 - iii. Enter the email address of the user you want to share access with.
 - iv. Click Invite and Done
 - v. **NOTE:** Users with shared access to a LINKA device (except admins) will not be able to change any of the existing settings on the LINKA device.
- c. Revoking Permissions
 - i. Make sure your LASSO is on and paired with your smartphone

- ii. Click on the bottom left icon in your LINKA app home tray. The icon with two user heads on it.
- iii. Swipe left on the user email address you want to remove. You should see a red trash can icon appear next to their email address.
- iv. Click the trashcan icon and select Confirm. Done!

9. Accessories

a. LINKA SmartMotion Key



- i. To start you must first pair your LINKA Smart Key with your LINKA app.
- ii. In your LINKA app, select your LASSO Device
- iii. Go to Device Settings and Select Add a Smart Key
- iv. Use the “+” Symbol to start the pairing process, which will have you scan the QR code on your SmartMotion Key and follow the prompts in the application.
- v. Once a SmartMotion Key has been paired with your LASSO Smart Chain Lock, you will be able to unlock your LASSO without your phone or access code, as long as the Smart Key is within range, usually 1-3 meters.
- vi. Please note that Bluetooth must be enabled on your phone to be able to pair a smart key.

LASSO SPEC SHEET:


| LINKA LASSO | | | |
|----------------------|-------------------|----------------------------|----------------------------|
| Series | 8 | 10 | 10 Moto or 10XL |
| Model | LK-B220 | LK-B221 | LK-B222 |
| Region | Global | Global | Global |
| Wired version | - | - | - |
| Rechargeable version | Yes | Yes | Yes |
| Internal cell | Li-Ion cell 3.7V, | Li-Ion cell 3.7V, 1200mAh, | Li-Ion cell 3.7V, 1200mAh, |

| | | | |
|--|---|---|---|
| | 1200mAh, 4.44Wh | 4.44Wh | 4.44Wh |
| Interfaces | | | |
| Wireless interface | BT 5.0 | BT 5.0 | BT 5.0 |
| External Interface | - | - | - |
| Embedded Modules | | | |
| Bluetooth Technology | Bluetooth Low Energy 5.0 | Bluetooth Low Energy 5.0 | Bluetooth Low Energy 5.0 |
| Certifications | FCC/ISED/RED/MIC/RCM/ANATEL/EAC/IFETEL/SRRC/RoHS/REACH/Prop65 | FCC/ISED/RED/MIC/RCM/ANATEL/EAC/IFETEL/SRRC/RoHS/REACH/Prop65 | FCC/ISED/RED/MIC/RCM/ANATEL/EAC/IFETEL/SRRC/RoHS/REACH/Prop65 |
| Frequencies | 2.360GHz-2.500GHz | 2.360GHz-2.500GHz | 2.360GHz-2.500GHz |
| Antenna Type | Embedded Ceramic Chip Antenna | Embedded Ceramic Chip Antenna | Embedded Ceramic Chip Antenna |
| Antenna Gain | 1dBi | 1dBi | 1dBi |
| Processor | 1 | 1 | 1 |
| Main processor | Bluetooth Processor | Bluetooth Processor | Bluetooth Processor |
| Secondary Processor | - | - | - |
| Electrical Features | | | |
| Input Voltage | Pogo input 5VDC | Pogo input 5VDC | Pogo input 5VDC |
| Embedded Li-Ion Battery Charger IC - IEC 62368-1 Certificate | Yes | Yes | Yes |
| Power Consumption | Internal Cell Rail | Internal Cell Rail | Internal Cell Rail |
| Sleep | <80uA | <80uA | <80uA |

| | | | |
|----------------------------|----------------------------------|----------------------------------|----------------------------------|
| Unlock/lock mechanism | <100mA | <100mA | <100mA |
| Bluetooth connected | 8mA | 8mA | 8mA |
| Bluetooth disconnected | 2mA | 2mA | 2mA |
| Power Consumption | External Voltage Rail | External Voltage Rail | External Voltage Rail |
| Charging internal cell | <1000mA @ 5V | <1000mA @ 5V | <1000mA @ 5V |
| Environmental | | | |
| Operating temperature | -20°C to 65°C (-4°F to 149°F) | -20°C to 65°C (-4°F to 149°F) | -20°C to 65°C (-4°F to 149°F) |
| Storage temperature | 20-25°C | 20-25°C | 20-25°C |
| Relative humidity | 60±25% | 60±25% | 60±25% |
| Mechanical | | | |
| Enclosure Material | Stainless Steel 304 | Stainless Steel 304 | Stainless Steel 304 |
| Chain Material | 20CrMnTi | 20CrMnTi | 20CrMnTi |
| Chain Link Thickness | 8mm | 10mm | 10mm |
| Length | 100cm | 100cm | 140cm |
| Weight | 1.8kg | 2kg | 2.2kg |
| Security Rating | 8/10 | 10/10 | 10/10 |
| IP Rate | 67 | 67 | 67 |
| Certifications | | | |
| RF intentional transmitter | RED/CE/FCC/IC | RED/CE/FCC/IC | RED/CE/FCC/IC |
| Security | Sold Secure - ART (pending) | Sold Secure - ART (pending) | Sold Secure - ART (pending) |
| Environmental | RoHS/REACH/ Prop 65 | RoHS/REACH/ Prop 65 | RoHS/REACH/ Prop 65 |

1. Troubleshooting & Support

a. Rebooting the device

- i. If the device stops responding, you may need to reset it. This step will not erase any of your data or settings.
- ii. Hold  down for 10 seconds while paired and connected or unlocked.
- iii. The device reboots and turns back on.

b. Factory Reset

- i. If the device is changing ownership or for any reason you'd like to restore original factory settings.
- ii. To Factory Reset: **click on the App Icon on your phone >> Open Slide Menu >> My LINKA >> Select desired LINKA from list >> Settings >> Reset Factory Settings**
- iii. The main device owner will receive an e-mail to prompt the reset.

c. Updating Software

- i. Your LINKA app will notify you when there are new software and firmware updates available.
- ii. Once your device is paired, the latest firmware stored in the App will update your device wirelessly if there are firmware specific updates available.
- iii. Do not turn off your phone or change any settings on your device during the update process

d. More Support

- i. For more support and FAQ's, check out our support page at www.linkalock.com/pages/lasso-support

2. Software License Agreement

- a. By using this device, you agree to be bound by the terms and conditions of the following software license agreement. Please read this agreement carefully.
- b. LINKA grants you a limited license to use the software embedded in this device (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 in LINKA and/or its third party providers.

- c. 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.