



# **iLock\_BT-S100**

## **User Manual**

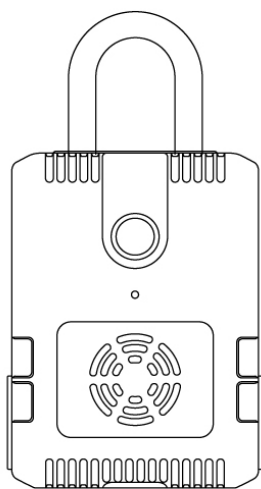
**2018. 06. 25.**



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1. The package of the product

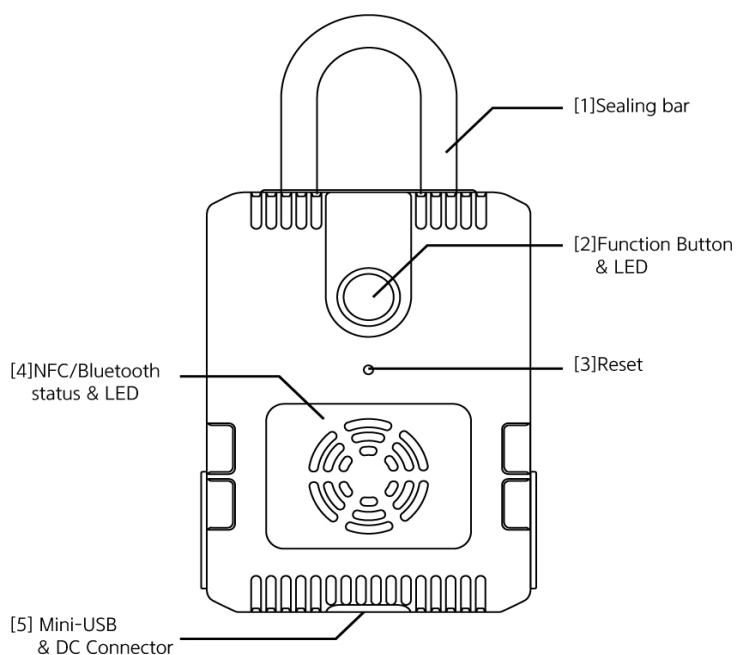


[iLock\_BT-S100]

2. Specification

구 분	내 용
Model Name	iLock_BT-S100
Operating System	Firmware
Memory	Non-flash Memory64Kbyte EEPROM : Able to seve Log 1,000 (BlackBox Memory Supported)
Bluetooth	Bluetooth v4.1
Weight	220g
Notification	3 Color LED(Red, Green, Blue)
Battery	Li-Polymer / 720mAh
Operation Voltage(V)	3.7 ~ 4.2
I/O Port	Mini-USB(Device Config and Log check, F/W upgrade, charging)
Dimensions (mm)	130 X 66 X 34
Charging Adaptor	DC 5V

### 3. Functions name and explanation



Name	Explanation	Features	
[1] Sealing bar	Locked/Opened		
[2] Function Button & LED	Battery Status	[1] LED Color	Voltage
		Green	4.0V ~ 4.2V
		Blue	3.8V ~ 4.0V
		Yellow	3.7V ~ 3.8V
[3] Reset	To reset the status of the device (If bluetooth or device do not work properly, please press the reset button on the device through the hole by tweezers)		
[4] NFC/Bluetooth status & LED	NFC Card Recognition Part	[4] LED Color	Status
		Sky	Ready for NFC Card
		Green	NFC Card is matched
		Red	NFC Card is not matched
	To check the connection of Bluetooth	[4] LED Color	Status
		Blue	Connecting Bluetooth
[5] Mini-USB & DC Connector	Connector for charging	[2] LED Color	Status
		Led Flashing	Charging
		Green	Finish to charge

#### 4. How to open the device.

##### (1) How to open the device with authorized NFC card

Step	Action	Status	Remark
1	[2] Press the button	<ul style="list-style-type: none"><li>- Beep Sound</li><li>- [4] will be changed to Sky Color</li></ul>	<ul style="list-style-type: none"><li>♦ Be sure to swipe the NFC card within 5 seconds after pressing the button</li></ul>
2	The authorized NFC card should be swiped on the [4] part.	<ul style="list-style-type: none"><li>- Beep Sound</li><li>- [2] will be changed to purple</li><li>- [4] will be changed to green</li></ul>	<ul style="list-style-type: none"><li>♦ Be sure to open the device by pulling the sealing hook within 5 seconds after swiping the NFC card.</li></ul>
3	[1] Sealing hook should be pulled to open the device	<ul style="list-style-type: none"><li>- Melody Sound</li></ul>	

##### (2) How to open the device by Bluetooth communication

- Please refer to 7. How to use an application

#### 5. How to charge the device

- (1) Connect the charging cable to the [5] Mini-USB connector on the bottom
- (2) When the charging cable is connected, [2] Function button part is blinking with beep sound.
- (3) When charging is completed, the color of [2] Function button is displayed in green

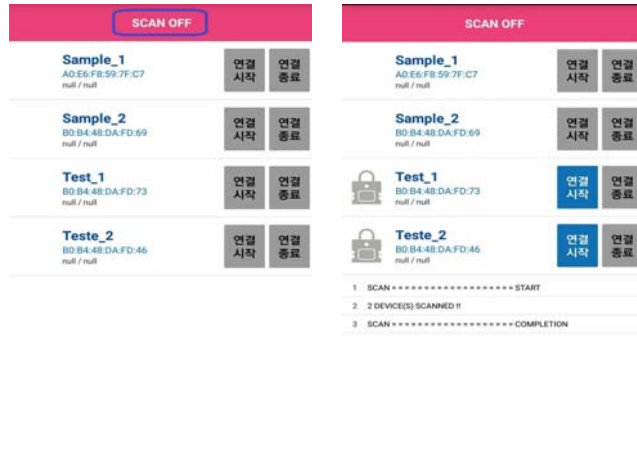
#### 6. Events

- Shock Events
  - : Shock event is generated by sensing impact in real time (shock out of threshold) in normal state
  - ※ Impact packet is not duplicated in one impact
- Device locking and opening event
  - : Detects the state of sealing in real time and generates event packet when it opens
  - ※ Door packet is not duplicated in one impact

## 7. How to use an application

### (1) Device connection

- 1) After running the application, click "SCAN OFF" as shown below to search for the device.
- 2) After checking the device, click "Start connection" to work with the application.



### (2) Application functions

Icon	Functions
	Synchronize the time of the device at the current time.
	Check the battery capacity of the device. (% unit)
	Check the seal of the device. (Door lock/Door unlock)
	Enable to open the device.
	Check the number of logs stored so far.
	Check the logs so far stored.
	Reset the device.
	Initiates Bluetooth communication with the device and application.
	Terminates the Bluetooth communication with the device and the application.

## 8. How to deal with troubles

Trubles	How to solve
I pressed the button of [2] to release the seal and there is no reaction at all.	1. Battery power is discharged. 2. Please try to use it after charging.
To open the device, I pushed the button of [2] and swiped with authorized NFC card and pulled the sealing hook, but the device can not be opened.	1. Battery power is discharged. 2. Please try to use it after charging.
To open the device, pressed button [2] and swiped the NFC card. however [4] is displayed in red with beep sound.	1.The NFC card is an unapproved NFC card, so please try it with an approved NFC card.
The device can be opened with an NFC card, but it can not be connected to the device when it is connected by Bluetooth connection through the app, you can not perform any processing through the app.	1. Press the[2] button five times quickly 2. Then try connecting to the app again. 3. If it can not be solved, put it in the hole of [3] by tweezers to reboot, and try connecting with the app again.
The [2] part of the device is green and the [4] part is blue, and when the button is pressed, no sound or action occurs and the seal can not be released.	1. put it in the hole of [3] by tweezers to reboot, and try connecting with the app again.

If the problem can not be solved even after the above actions, please contact our service center.



## WARNING & SAFETY INFORMATION

### Safety Symbols



#### **Warning**

- When encountering this symbol in the manual, you must follow these recommendations to avoid irreparable damage to your car, system or connected devices or to avoid accidents with injuries or death.

### IC Information

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

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 ne doit pas produire 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.

The antenna(s) used for this device must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

Cet équipement doit être installé et utilisé avec un minimum de 20 cm de distance entre la source de rayonnement et votre corps.

### FCC Information

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

### FCC notification to users

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 when the equipment is operated in a commercial environment. 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, the user is encouraged to try to correct the interference by consulting with a dealer or an experienced technician for technical assistance.

**Any changes or modifications to the equipment not expressly approved by the party responsible for compliance could void user's authority to operate the equipment.**