

Next Generation Wireless Door Lock with Remote Control

www.remock.co.kr



**REMOCK
Lockkey**

User Instruction Manual

Please read carefully the following instruction
for your safety before using the product.

- It is important to understand how this lock works to use it correctly

Warning Elements

- When the LED light is flickering and beep signals sound different from usual, please change batteries immediately. (refer to page6)
- Please make sure that you don't drop it or get it wet because it's a highly sophisticate product made from semiconductors.
When the door lock is contacted with water, you can have the risk of electric shock, fire and malfunction of the lock.
- Do not install this door lock in the place of heavy humidity, dust or oily smoke to prevent any fire and electric shock.
You must not install this door lock in the place where inflammable materials exist
- Please do not leave the remote control or the lock within the reach of infants.



- Please change using batteries of the lock body at the same time to all new batteries AA ALKALINE.
(A mix of new and used batteries or two different kinds of batteries may cause the malfunction of the lock.)
Please ensure you correctly place two batteries according to the signs of + and -.
And you are recommended not to replace batteries in presence of children .
Please take out batteries from the lock body when the lock is not used for a long time to prevent any
- possibility of fire and malfunction of the product
※ Registered remote control's code is not erased even after batteries are changed.
- Please make sure about the procedures on registry and deletion of remote control's code as provided on page 8. Any errors may lead to the malfunction of the lock.
You are also required to confirm whether the remote control works according to either registry or deletion of the code.
- Please keep in mind that the remote control can be stolen, so take special care not to lose it.
※ You may keep one of remote controls at a secrete place for emergency.
- Never try to disassemble the body.
- This door lock was developed as an assistant lock system for use with a main lock equipment.
- Please keep in mind that two persons use two remote controls to activate the door at the same time.
Such a duplicate use may stop functioning.

Table of contents

Before use it

- Instructions for proper use 2
- Composition and name of each part 4

Correct use

- User instruction 5
- How to change batteries in the lock body 6
- How to change remote control battery 7
- How to register or delete the code between remote control and the lock body 8
- Basic information on installation 9
- How to install or remove the lock 10

Appendix

- Product specification 11
- Warranty 12

User instruction

- Open the battery cover by pushing it to the direction (▼)and then insert two AA alkaline batteries (refer to page 6)
- Close the battery cover.
- Once the lock is installed, please ensure that the remote control works properly by testing it outside the door. You have someone who can monitor the function inside during the test.
(After that, you two switch the position and test it again)
 - ▶ Transmission Distance of the remote control
 - ▶ Best place for transmission and reception of radio wave.
 - ▶ Antenna Angle (90° with lock body is the best, but may be different according to circumstance.)
 - ▶ Alarm tone will ring from the lock when the door is "locked or open."
- Locking and opening signals
 - ▶ Push lock button→ "Pi~ik" (two-syllable rhythms) →the door is locked.
 - ▶ Press open button →"Pik, pik, pik" (repeated single-syllable rhythm) →the door is open.
 - ▶ If the remote control does not work, please press the button again.
 - ▶ Although it is possible to acknowledge the locking and opening of the door by signals, you are recommended to confirm it yourself.

⚠ Function of informing the timing to change batteries.

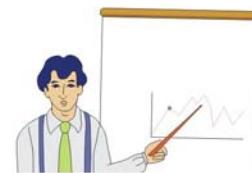
- ▶ When LED light flickers every 4 seconds and signals sound like cricket, the batteries must be changed immediately.
- ▶ If you fail to change batteries in time, the lock would stop functioning
(In this case, our company does not take any responsibility for the damage caused by the discontinued function of the door lock.)

⚠ Hand lever.

The hand lever is designed to open easy in emergency such as fire.

Please remember!

- 4 pieces of remote control are basically registered
- Please register the codes of these remote controls again to ensure safety.
- Please make sure that you have to register the code in the lock when you purchase an additional remote control.
(refer to page 8).



Composition and name of parts

Photos of the following components are presented to increase your understanding and may be different from actual products.

Components



● Body



● Base Steel Plate



● Latch & Assistant Busing

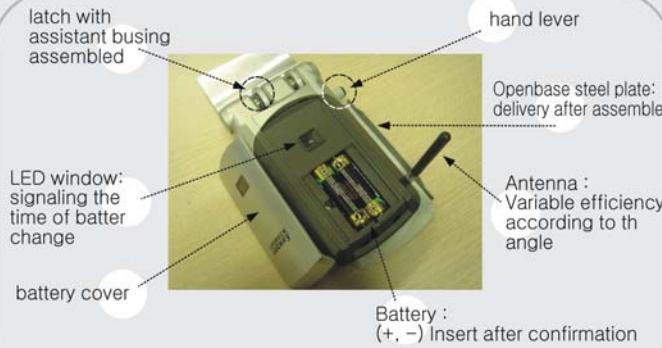


● AA Alkaline Battery

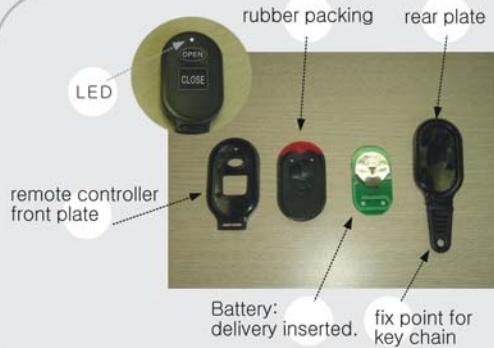


● Remote Control

NAME OF EACH PART.



<Lock Body >



< Remote Control >

Change of batteries for the lock body

■ Lock Body

The LED light flickers every 4 seconds to signal the need for battery replacement.

In addition, when signals sound different from usual, you are also required to change batteries as follows:

- Locking and opening signals

- * Push lock button → "Pi~ik" (two-syllable rhythms) → the door is locked.
- * Push open button → "Pik, pik, pik" (repeated single-syllable rhythm) → the door is open.

- Steps for replacing batteries [※ When the LED starts flickering please change the batteries immediately]

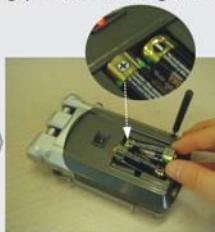


LED flickering



Push cover in the direction▼

Please insert new batteries at the interval of 10seconds (for protection of electronic circuit.)



Insert batteries [+,-]



confirm operation

※ Please use only AA alkaline batteries. The use of magnetic batteries or recharged batteries may induce malfunction of the lock.

- Checking procedures after battery replacement

- * Please check whether the lock works by using remote controls.
- * The LED light and the signals regain their normal mode by recognizing normal battery voltage.



Caution

- Please check the expiration date of battery(written in the bottom)

- Please note that the discharging speed of battery is different according to the storage condition.

Replacement of Remote Control Battery

■ Remote Control

Please replace the battery of remote control when the LED light becomes dimmer and the operation speed slows down.

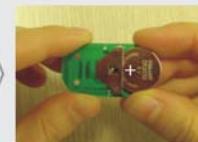
● Steps for changing the battery



Use a (-) shaped small driver



Insert the tip of driver into a channel on lateral side and slightly twist the driver to open the case



Replace battery (CR 2032)
Make sure the poles, + or -



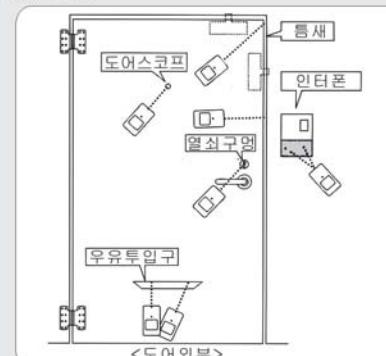
Assemble sequence:
front case → rubber ele'c circuit board → back case



Test main body and remote control

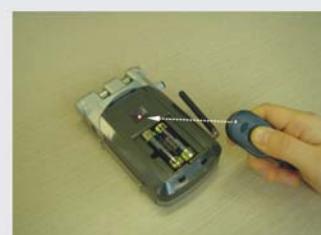
● Cautions for dealing with the electric wave of remote control

- ▶ LOCKEY is designed to generate weak electric waves, which are transmitted through narrow crevices around the door
- ▶ The standard transmission distance of the remote control is up to 1.5 meter straightly from the door.
- ▶ The transmission distance of the remote control from the outdoor varies with environmental conditions and electric wave background. (Same conditions from the inside also)
- ▶ Wireless transmission is very sensitive to other frequency. So the best location can be changed.



How to register or delete the code of between remote controls and lock body

■ Steps for registration



- 1 Open the battery cover.
- 2 There is registration button in the middle of the left side of battery holder.
- 3 Press registration button with a stick-like tool for about 2 seconds.
- 4 The LED light flickers with a sound of "Pi-ri-lik"
- 5 Press each remote controls for about one second until it makes "pi-ik-" sound.
 - ☞ When you stop taking further steps for more than 15 seconds, the remote control turns to the normal mode automatically.
- 6 Press registration button for about one second to resume the registration
- 7 Registration has been completed. Test the lock using the registered remote controls
- 8 When one of the remote controls do not work, please register again following the same steps as above mentioned

■ Steps for deletion

- 1 In case you lose one of the remote controls, please collect the remaining three for re-registration
- 2 Please take the same steps as described above for re-registration
- 3 This means that the lost remote control is deleted registration.



Caution

- You are recommended not to press registration button unless you want to re-register the codes after losing one of remote controls or to register the newly purchased one. Pressing the registration button will delete all stored codes.

Establishment common sense

Instructions for installation !

- Please test the four remote controls from out side with leaving the key body inside before installation.
- Check the door condition (material, shape and surface)
If the door has an unsMOOTH surface or its paint peels and if it is a wood door, we cannot guarantee your security after installation. (In that case, please consult with the dealer)

- Measurement for installation location.
Check if the lock can fit into the door and its frame.
- Cleaning the installation place.
Wipe off the dust or moisture on the installation place with alcohol.
(Impurities will undermine adhesion)
- Inserting busing in the hole of latch.
Install the lock after inserting assistant busing in the hole of latch and combining the body with the completed latch.
- Notice for the attachment/detachment of the body.
Be careful not let the lock body fall from the installation place to prevent human injury and damage of the lock.
- Automatic opening
There is function that in case of incomplete installation or operation failure, the lock will be opened automatically, with warning sound.



- Tape can not be re-used.
This tape can not be used once it is attached. So, attach it after reading the installation method enough.

How to install and disassemble

■ installation



1. Take off the adhesive tape from latch.
2. Push and attach latch to door pillar. At this stage there is no need to detach adhesive tape from the body.
3. Now please detach adhesive tape from the body.
4. Fix the body on the position where you want to install it
5. Remove assistant bushing after dismantling combination.
6. Press the adhesive tape to remove the air, so that the adhesive strength between the body and latch will be increased.

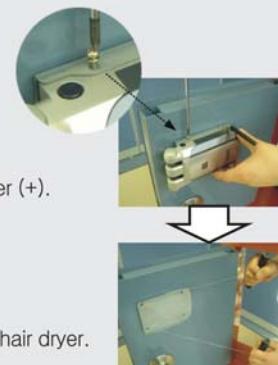
■ Post-installation steps

- * Test the lock using the remote controls
Please try to operate remote controls and check if the installation was made properly.
- * Please do not touch the installed lock for 24 hours for better adhesion.

■ How to disassemble

- * You can detach it easily from the door and carry it when you move to new place.
- * Please purchase new latch and base plate with attached adhesive tape at our distributor shop.

1. Please detach bolts on both sides of base plate from the body by using a cross driver (+).
2. Please cut the base plate attached to door while putting piano string or guitar string between base plate and door surface and then pulling the string slowly.
Please note that if you stop it will not move again.(same method for latch)
3. It is easier to detach adhesive tape which is attached to the door after warming it by hair dryer.



Specification

■ Body

- ▶ Type: ASK SINGLE CONVERSION
- ▶ Receiving frequency: 315MHz ($\pm 500\text{KHz}$)
- ▶ Quantity and kinds of use battery: Alkaline AAM size 2 pcs
- ▶ Battery life span: 6 months based on 20 times per day
- ▶ Operation temperature: $-20^\circ\text{C} \sim 60^\circ\text{C}$ (in no freezing and dew condition)
- ▶ Operation moisture: 5%~80%(in no dew condition)
- ▶ Number of registered remote controller: 16 different codes can be registered respectively.

■ Remote control

- ▶ Type: ASK SINGLE CONVERSION
- ▶ Transmission frequency: 315MHz ($\pm 500\text{KHz}$)
- ▶ Quantity and kinds of use battery: lithium battery CR2032
- ▶ Battery life span: 12 months based on 20 times per day
- ▶ Operation temperature: $-20^\circ\text{C} \sim 60^\circ\text{C}$ (in no freezing and dew condition)
- ▶ Operation moisture: 5%~80%(in no dew condition)
- ▶ Number of registered code: about 260,000,000

Warranty

1. We offer after-service for free when the product is broken during the warranty period after it was installed in compliance with the user instruction manual. You can bring the product to the dealer or us.
2. However we charge fee for the following services even during the warranty period:
Even in the guarantee period, charged repair will be made in the following cases:
 - a) When there is no evidence on the date of purchase
 - b) When failure or damage was caused by natural disaster such as fire, earth quake, water flood, lightening and others.
 - c) When failure or damage was caused by improper use, attachment, dismantlement, or modification.
 - d) When failure or damage was caused by careless handling or accidental dropping after purchase.
 - e) Change of consumables (battery, attached base plate, latch).
 - f) When failure or damage was due to environmental conditions
 - g) The product's register number was removed
3. This warranty is intended for the key body and remote controllers.
This warranty does not comment on the matters regarding sales loss caused by the failure or damage of the product
4. Warranty period
 - a) The warranty is effective for a period of one (1) year from the date of purchase
 - b) The date of shipment is considered as the date of purchase in case there is no evidence on the date of purchase

FCC Compliance Statement.

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.

Do Not.



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.