



What is Safety Grade?
The digital door lock's safety grade is to show that GATEMAN, with the world's leading door lock technology, has The No.1 Pride to make safer and sturdier door locks.

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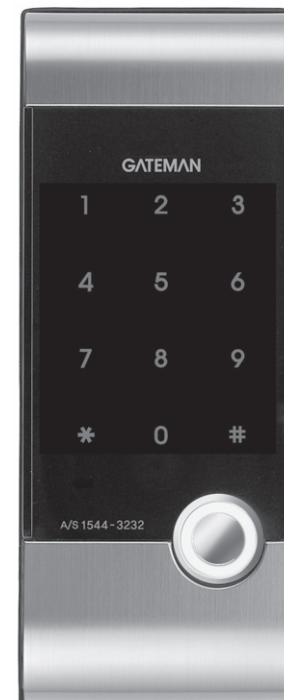
Korean domestic market only.
Unauthorized over seas sales and use
cannot guarantee the quality and service.

此产品仅适用于韩国市场。
该产品在韩国以外未经授权使用和销售，
不能保证质量和售后服务。

WARNING

Because this product is a non-key functioned door lock, a part of the door lock may be damaged when it malfunctions.

In case of an emergency, please study how to manually open and close the door.



GATEMAN
ASSA ABLOY

If you receive the product and the main body's side does not have the 11-digit serial number or is damaged, this is not a properly distributed product. You may be disadvantaged if you need an A/S (after service). (Contact Tel. 1544 3232).
This product is a home (B class) electromagnetic wave suitable product that is most commonly used for at family homes and can be used at all regions.

This product's functions and designs may be changed without notice for improving product quality.

INTRO

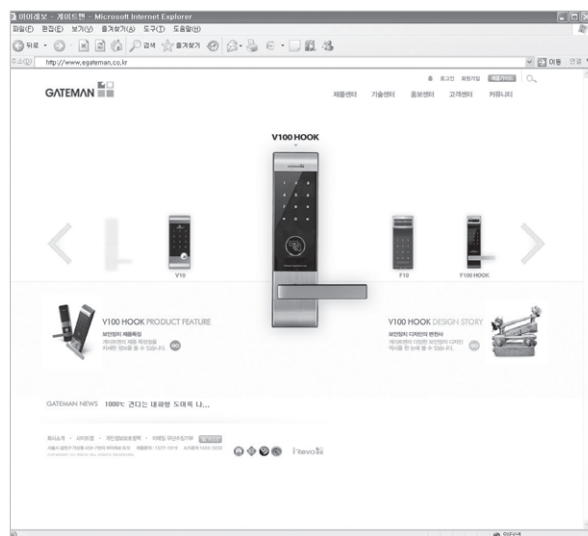
Thank you for purchasing GATEMAN iRevo, Inc.

As the leader of the world's digital door lock market, we would like to welcome you to entering No. 1 Pride GATEMAN's world.

With the perfect combination between analog technology and digital technology, experience the GATEMAN's convenience and safeness.

This instruction manual has been created to for our customers to use GATEMAN more conveniently and safely.

Please read the instructions before using GATEMAN, and we hope for your happiness and safeness while you use our product.



<http://www.egateman.co.kr>

You can find out about various information regarding GATEMAN's products and functionalities through our homepage.

Customer Service 1544-3232

You can use this when purchasing optional products or questions about using the product.

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Precautions for Safety

Absolutely Necessary!!!

This is for user's safety, so please read carefully

Do not install outside where rain can get in the product



Do not disassemble the product by yourself. In cases of deliberately disassembling and reassembling, the product may malfunction and cause safety hazards.



Do not clean the device by directly spraying water or using chemical products like benzene, thinner, or alcohol.



Do not deliberately apply force / pressure on the product with tools.



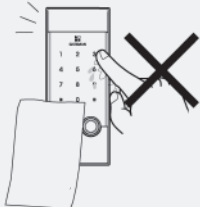
Please keep in mind of the passcodes.



Always check to make sure that the door is locked properly when leaving.



Please be cautious to keep the finger print recognition area clean from debris and do not use the device with wet fingers.



Please Be careful not to lose the safe-key



⚠ Caution If you don't follow the cautions above, personal injury or property damage may occur.

Product Characteristics

1 Smart Pad Feature

Patent Pending

Every number on the keypad has been individually designed to have separate lighting system, so all of the features that the user selected can be seen to check its operation state for any problem.

2 Advanced HOOK Mechanism Applied

Patent Pending

When the GATEMAN HOOK product locks, the main body and the latch inside the door interlock to fight against strong invasion attempts like levers and such.

3 Smart Pad Feature

Patent Pending

Every number on the keypad has been individually designed to have separate lighting system, so all of the features that the user selected can be seen to check its operation state for any problem.

4 Anti-Fire Technology (Only in Fireproof Models)

By adopting special materials and structures for preventing the spread of fire via fireproof door's hole, fireproof technology that prevents spread of flames for at least an hour at 1,000 degrees or higher is applied.

5 Special Material (FiberGlass) and Robust Body Structure

Exclusive in Korea

By adopting the strong structure against shock from the product design, it can withstand high temperature, and through utilizing both high-strength fiberglass and durable die-casting, it is a product that viewed safety and robustness as the top priorities.

6 GATEMAN Networking System Built (Separate purchase)

Exclusive in Korea

With added homecare communication pack, it can be used with a remote control and by interworking with wireless safety system, network package, you can use your phone to check your home's security state or lock and unlock the GATEMAN.

7 Unlimited Fake Number Feature

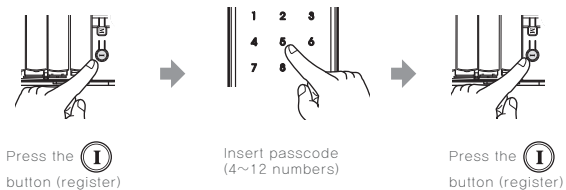
By adopting fake number feature for preventing the passcode to be exposed easily to other people, product's security was upgraded.

8 Electric Shock Neutralizing Effect (AntiShock) Feature

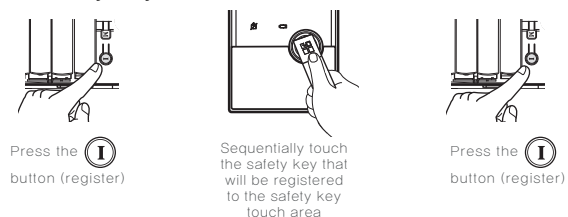
Because it uses circuits that have door-opening prevention through electrical tasers, it is safe against illegal tasers or excessive electric shocks since its circuit blocks the source of the currents.

Summary of Instructions

1 Registering the pass code



2 Registering the safety key



3 Locking the door from outside

- ① In automatic lock setting, due to the automatic lock sensor, the door locks within 5 seconds after the door is closed.
- ② In manual lock setting, the door locks when you lightly touch the keypad from the "outside".

4 Opening the door from outside

- ① Insert the registered fingerprinted finger in the fingerprint scan area.
- ② Lightly touch the outside keypad with your palm and enter the registered password and lightly touch the keypad with your palm again, or press the * to terminate.

5 Locking / Opening the door from inside

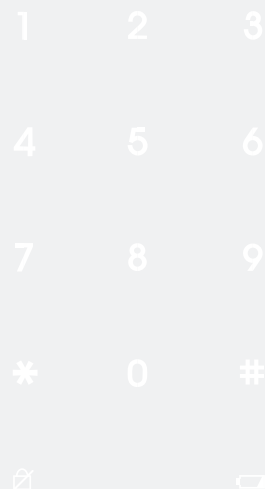
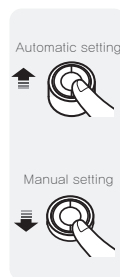
- ① The deadbolt unlocks and locks if you manually turn the switch/lock.
- ② The door unlocks if you press the safe handle button and lower the handle.



6 Automatic / Manual lock setting

Press the inside automatic/manual lock setting button, so that the button is popped up.

Press the inside automatic/manual lock setting button, so that the button is pressed down.



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Components Guide
Name of parts (inside)
Name of parts (outside)

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To use pass codes
To use Safe-Key
How to lock the door
How to open the door from inside

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Setting the alarm sound for manual switchgear device
Volume control function
Forced lock function
Automatic/Manual lock function

Reassuring Feature 17

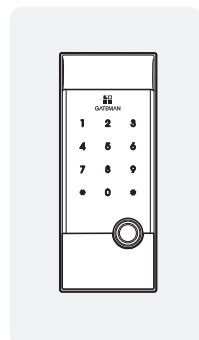
Alarm Function
3 Minute (LOCK) Function
Fake Numbering Function

Usage Instruction

Components Guide

The product's components may be changed to improve functions or product quality without notice.

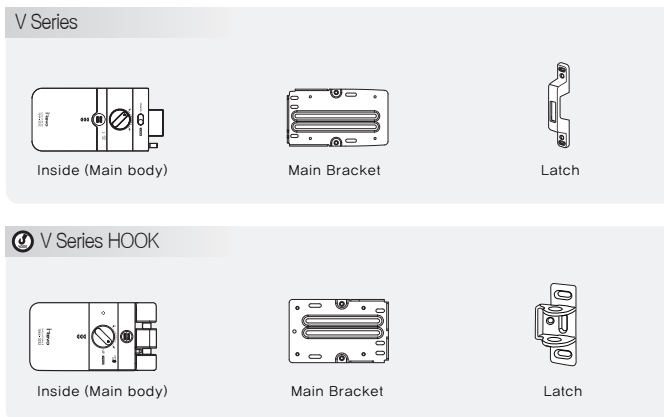
Basic Components



Outside (front body)



User Manual



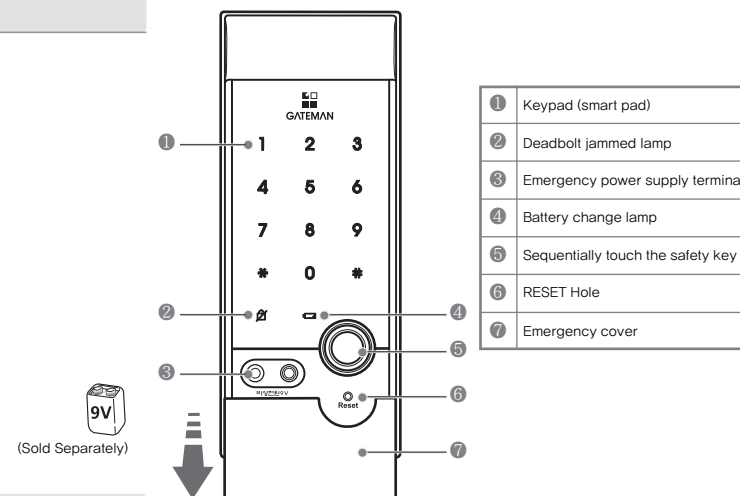
- 4 Batteries
- 4 Safe-key screw
- product warranty alarm sticker
- installation paper diagram

Additional Components

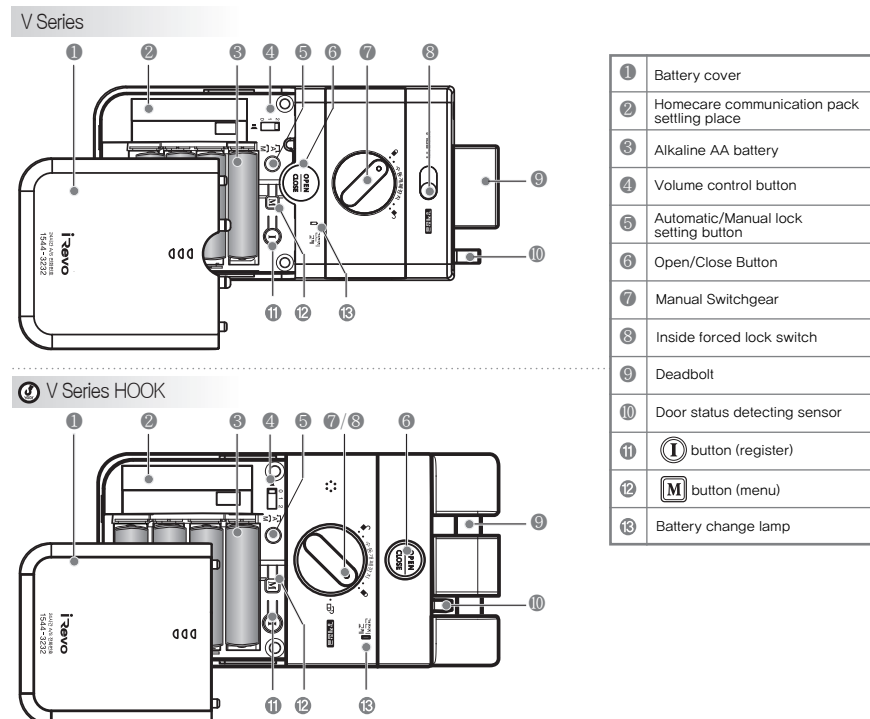
- Homecare Communication Pack
- Remote Control

Usage Instruction

Outside



Inside



To Use the Product

To use passcode

Please enter pass codes from 4~12 numbers without * or # symbol

» To register the pass code

Selection Order	Operation Movement	Function Description
1 Press the ① button (register)		Open the interior battery cover and press the ①(register) button once.
2 Enter the passcode		Follow the voice guide after pressing the 1 button and enter the passcode in the keypad (4~12 numbers)
3 Press the ① button (register)		Press the ① button (register) in the inside again to finalize the passcode registration.

» To open the door with passcode

Selection Order	Operation Movement	Function Description
1 Touch with your palm		Lightly touch the keypad located outside.
2 Enter the passcode		Enter the registered pass code from outside.
3 Touch with your palm		Lightly touch the keypad located outside or press the * button.

Reference

- When you are first registering the pass code, the door may close by accident and lock, so make sure to register it with the door open.
- When you register a new pass code, the previously registered pass code will automatically be erased.
- When you register the passcode on the keypad (smart pad), the entered number sequentially show and disappear.

To Use the Product

Registering safety key

When registering the safety key, sequentially touch them at the safety key touch area.

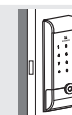
» Setting the alarm tone for manual switchgear

Selection Order	Operation Movement	Function Description
1 Press the ① button (register)		Open the interior battery cover and press the ①(register) button once.
2 Entering safety key		When registering the safety key, sequentially touch them at the safety key touch area.
3 Press the ① button (register)		Open the interior battery cover and press the ①(register) button once.

» Opening door with safety key

Selection Order	Operation Movement	Function Description
Opening door with safety key		When the registered safety key is touched to the safety key touch area outside the house, locked status is disabled.

Make sure the door is open



After passcode or safety key is registered, please be sure to check that the registered passcode or safety key opens the door well.

Reference

- In the case of losing safety key or not having the safety key, please be sure to register the passcode.
- When the new safety key is registered, previously registered safety key is deleted automatically.
- When registering safety key, number pad (smart pad) displays the number of registered safety keys.

To Use the Product

To lock the door

» To lock the door from outside

Selection Order	Operation Movement	Function Description
With automatic door lock setting		Due to the built-in automatic lock sensor, the door automatically locks within 5 seconds of the door shut.
With manual door lock setting		The door locks when you touch the outside keypad lightly with your palm

» To lock the door from inside

Selection Order	Operation Movement	Function Description
With automatic door lock setting		Due to a built-in automatic lock sensor, the door automatically locks within 5 seconds of the door shut.
With manual door lock setting		Under manual door lock setting, you can lock the door by turning the manual lock device to the direction of "locked" setting.
		Under manual door lock setting, you can press the open/close button to lock the door.

Reference

- Even with the automatic door lock setting, make sure to double-check to see that the door is locked properly.

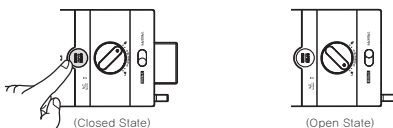
To Use the Product

To open the door from the inside

» To open the door via open/close button

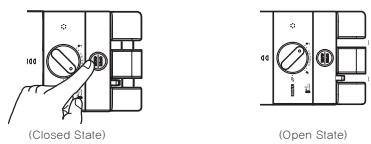
Pressing the open/close button of the inside disables the lock status

V Series



(Closed State) (Open State)

V Series HOOK

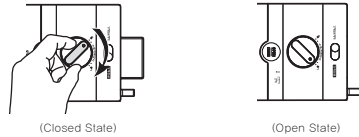


(Closed State) (Open State)

» To open the door via manual switchgear during emergency

Turn the manual switchgear in the open direction.

V Series



(Closed State) (Open State)

V Series HOOK



(Closed State) (Open State)

Reference

- In the case of emergency, please read and study how to operate the manual switchgear.

To Use the Product

Manual Switchgear Alarm Sound Features

» How to set the manual switchgear alarm sound

Selection Order	Operation Movement	Function Description
1 Press the M button (menu)		After opening the interior battery cover press the M button (menu)
2 Press the 0, 8 button on the keypad		Press the 0, and then the 8 button on the keypad sequentially.
3 Press the M button (menu)		Press the M button (menu) in the interior again.

Volume Control Feature

This feature allows control over all of the sounds made by the product

» To control volume

Selection Order	Operation Movement	Function Description
To control volume switch		Based on the volume switch setting, the operation volume is controlled. (2 : Loud operation volume / 1 : Low operation volume / 0 : Operation volume muted)

Reference

- The product's initial setting is to not produce an alarm sound from opening or closing the door via manual switchgear, but depending on the user convenience, it can be set to play an alarm sound.
- For each use, the alarm sound setting and disabling for the manual switchgear is repeated.

Setting Up

Forced lock feature

» Outside forced lock set up – Safety key

Selection Order	Operation Movement	Function Description
Press safety key for 5 seconds.		Press # button for 5 seconds (There will be 3 beeping sounds.)

» Outside forced lock set up – Passcode

Selection Order	Operation Movement	Function Description
1 Touch with palm		Lightly touch the key pad with a palm
2 Enter the passcode		Enter the registered passcode
3 Press # button for 5 seconds		Press # button for 5 seconds (There will be 3 beeping sounds.)

Reference

- When the external forced lock is enabled, an intrusion alarm will sound when the door is open from the inside by manual opening and closing device.

Setting Up

Forced lock feature

» Inside forced lock set up

Inside forced lock switch setting/disabling		V Series While the door is closed, move the inside forced lock switch to the 강제잠금 position so that the red sticker can be seen.
		V Series HOOK While the door is closed and manual switchgear device pressed, switch to the 강제잠금 position.

Automatic / Manual Lock Setting

In automatic lock setting, the door locks within 5 seconds of the door being shut

» Automatic/Manual Lock Setting

Selection Order	Operation Movement	Function Description
Automatic lock setting		Press the inside automatic/manual lock setting button so that the button is popped out.
Manual lock setting		Press the inside automatic/manual lock setting button so that the button is pressed in.

Reference

- When the inside forced lock is enabled, no fingerprint or passcode will work from the outside.
- Even with the automatic door lock setting, make sure to double check to see that the door is locked properly.

Reassuring Features

Alarm Function

Product alarm sound will last 30 minutes or till the alarm is off

» Intrusion, Breakage alarm sounds

Intrusion

An alarm will sound when there is an intrusion by forcibly opening the locked door through the crack.

Breakage

An alarm will sound when there is a breakage of the external part by forcibly separate or break it with a drill.



Turn off the Intrusion, Breakage alarm

- Method 1 Enter the registered passcode
- Method 2 Touch the registered safety key to the safety key touch area.
- Method 3 Press the OPEN/CLOSE button of the inside part for 5 seconds.

» High Temperature Alarm Sound

- In the case of fire, the device will detect the inside temperature and automatically alarm the sound and unlock the door.
- It will automatically unlock if high temperature alarm sounds even when the inside forced lock mode is enabled.



To turn off the High temperature Alarm

- Method 1 Enter the registered passcode
- Method 2 Touch the registered safety key to the safety key touch area.
- Method 3 Press the OPEN/CLOSE button of the inside part for 5 seconds.

Reference

- An alarm will sound if the door is open when the automatic lock is not working properly.
- An alarm will sound by the temperature sensor reaction if the internal part (the main body) is exposed to direct sunlight for a long period of time.
- It will automatically unlock if high temperature alarm sounds even when the inside forced lock mode is enabled.
- If alarm sounds by breakage, fire, or intrusion, the number on keypad will be lit in clockwise manner. (It will be repeated for 30 minutes with alarm)

Safety Feature

3 Minute Lock feature

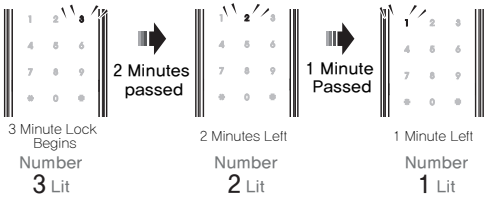
In 3 Minute Lock mode, no other button except the buttons in the inside part will work

» 3 Minute Lock Status Display

- If one inputs unregistered passcode or fingerprints 5 times repeatedly, the 3 minute lock mode will be activated and it will be continued for 3 minutes.

To turn off the 3 minute lock

- ① Press the open/close button.
- ② Press ①(register) / ③(menu) button.



Open the door with fake numbers

It is effective when you are with other person and worry about exposing the passcode to him/her

» Open the door with fake numbers

Selection Order	Operation Movement	Function Description
① Touch with a palm		Lightly touch the keypad of outside with a palm
② Enter any number (fake number)		Method ① Fake number ➡ Enter the passcode. Method ② Passcode ➡ Enter the fake number.
③ Touch with a palm		Lightly touch the keypad of outside with a palm or press * button to finish.

Reference

- Alarm feature will work normally while 3 minute lock feature is being activated, and it will be continuously enabled after the power is reinstalled.
- If 3 minute lock feature is activated, the fake numbering feature will not work until the normal access (fingerprint access, normal passcode access, and opening from inside) is granted. So, please open the door by using the normal passcode.

Additional Component

Additional parts 20

- Homecare communication pack
- Remote control

Customer Service 22

- Emergency battery supply method during battery outage
- Checklist before applying for customer support
- Product specification
- After Service (A/S) request during product malfunction
- GATEMAN Safety Grade

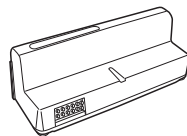
1	2	3
4	5	6
7	8	9
*	0	#

Additional Parts

Homecare Communication Pack

If you purchase and install the optional Homecare Communication Package, you can use it in conjunction with the remote control.

Service Center (1544-3232)

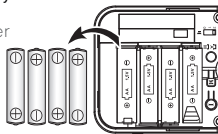


Homecare Communication Pack

» Installing the Homecare Communication Pack

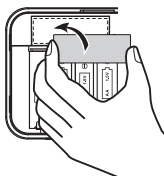
1 Remove the battery

Open the battery cover of the inside part and remove the batteries.



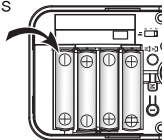
2 Installing the Homecare Communication Pack

Install the Homecare Communication Pack to the Homecare Communication Pack connecting terminals.



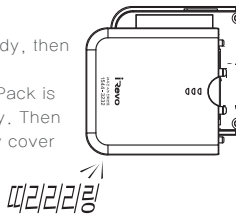
3 Installing the Batteries

Install the batteries after rechecking the ⊕ and ⊖ terminals.



4 Confirming

If there is a melody, then the Homecare Communication Pack is installed properly. Then place the battery cover back to the unit.



Reference

- The operation status of the Homecare Communication Package can only be checked by executing the feature by a remote control or Homecare Pack (wireless security system).

Additional Parts

Remote Control (Sold Separately)

Applied FSK system and wireless encryption algorithm

» Register the Remote Control

Selection Order	Operation Movement	Function Description
1 Press the M button (menu)		After opening the battery cover, press the M button (menu).
2 Enter the 0, 5 of the keypad		Enter the 0 and then the 5 of the keypad sequentially
3 Press the SET button on the remote control		Press the SET button on the remote control with a pin. (You can register up to 5 continuously. When you register continuously, press SET button on the remote control with the 10 seconds interval between each one)
4 Press the M button (menu)		Press the M button (menu) of the inside part on more time to finish.

» Deregister the remote control

Selection Order	Operation Movement	Function Description
1 Press the M button (menu)		After opening the battery cover, press the M button (menu).
2 Enter the 7, 5 of the keypad		Enter the 7 and then the 5 of the keypad sequentially
4 Press the M button (menu)		Press the M button (menu) of the inside part on more time to finish.

Reference

- The wireless encryption algorithm uses the floating ID technology in which the wireless passcode is changed whenever the remote control is used.

Customer Support

How to supply the emergency power in case of battery discharge

You can open the door by contacting the 9V battery

» How to supply the emergency power

Selection Order	Operation Movement	Function Description
Contacting the 9V battery		After open the emergency cover, contact the 9V batter to the emergency power supply terminal
① Touch the Safety key		Touch the Safety key to the safety key touch area. (You may stop contacting the 9V battery if the operation of the motor is finished.)
② Enter the passcode		Lightly touch the outside keypad with the palm Enter the passcode Press * button again (You may stop contacting the 9V battery if the operation of the motor is finished.)

» How to replace the battery

(The battery life can vary depending on temperature, humidity, the number of uses, and the quality of the battery.)

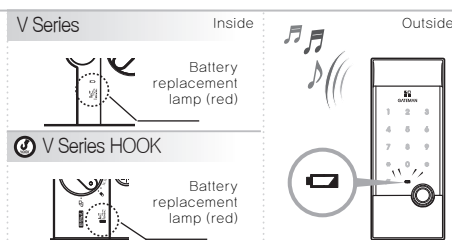
① Battery life expectancy

The product uses 4 of 1.5V AA alkaline batteries, and can use about 1 year if you use it 10 times a day
(Please use the authentic alkaline batteries)

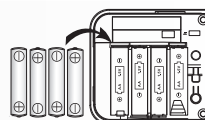
1:1 The actual size
1.5V AA alkiline battery

② Battery Replacement Notification Alarm

Batteries should be replaced when battery replacement lamp of outside part is lit, a red light is on in the battery replacement lamp of inside part, warning melody (real music part) rings, or voice guide is sounded.
You should replace all 4 batteries at once.



- Please check on ⊕ and ⊖ terminal before you place the batteries.
- Please be careful to place the battery with right position because if you place in a reverse way, it will cause leakage or breakage.
- Once the battery life is done, replace all the batteries, and do not mix and use the unused battery with the used or being used batteries.



Customer Support

Things to check before you ask for the service

When you have a trouble while using the product, please check the following problems and solutions first

	Problem	Solution
Standard Operation	There is no power.	– Check whether the batteries are installed correctly, and (+) and (–) of the polarity is correctly put in. – Check whether the batteries are discharged or defect.
	It stops working right after it starts to work.	– The batteries do not have enough power. So, replace the batteries.
	It is not possible to operate the door via open/close button on the inside. (secondary key limited)	– Turning the manual switchgear on the inside to open location will open the door. – In the case of internal forced lock status, disable the forced lock and then operate it. – When the battery is discharged, the open/close button may not work, so replace the battery.
	Registered safety key and passcode are authenticated, but the door doesn't open.	– Check if there is any other lock device. – There may be foreign objects between the door and doorframe, so check between the door and doorframe. – If an error sound is played and door does not open after authentication, this is likely due to jammed lock latch, so shake the door and try again.
Keypad	Cannot register the passcode.	– The registration will be cancelled 7 seconds after pressing ① button. You should enter passcode within 7 seconds while the keypad is lit. – * or # can't be used as passcode – Passcode can be registered from 4 digits to 12 digits only.
Safety key	Safety key is not able to be registered.	– If safety key is not entered within 7 seconds after pressing the button for registration, input is cancelled. Therefore, input the safety key within 7 seconds of number pad displayed. – It may be that some safety keys are not supported, or some are faulty keys. Try to register with the provided safety key.

Customer Support

Checklist before requesting for customer support

When there is a problem with the product, please check out the problems and actions that can be taken care of first

	Problems	Check List
Alarm Sound	When using the product, the product functions but does not make any sounds.	– Please check to see if the interior volume control button is on '0' place. (If you place it on 1 or 2, operation sound comes on.)
	When trying to use the pass codes or fingerprint recognition from outside to open the door, the three beeping sounds or "inside forced lock setting is in process" is heard and does not operate.	– If the inside forced lock setting has been turned on from inside the home, then the door cannot be opened from outside using pass code or fingerprint recognition. – The door can be only opened if the inside forced lock setting is disabled from inside the home.
	While you are touching the product, and all of a sudden the 'beep~beep~' alarm sound keeps on ringing.	– If you accidentally turned on the door status check sensor, intruder alert alarm may turn on. Just like the usual, use the pass code or finger print recognition, or press the interior open/close button until the alarm sound stops to disable the alarm.
	A song melody comes on (about watching out for a bicycle)	– This song melody indicates battery change point. Use 4 of brand new 1.5V batteries to exchange the batteries.
Automatic Lock	Automatic lock does not work.	– Check to see the inside automatic/ manual setting state. The setting button that is popped out is the automatic lock state. – In the manual setting state, if you lightly touch the keypad with your palm, the deadbolt locks.
	Automatic lock works but then makes "ddi ddo ddi ddo" error sound or "the door is not locked" sound is heard and cannot be locked.	– This could be due to a problem with the door, so please get your door check out first.

Customer Support

Product Specification

Components		Product Details	Remarks
Exterior (front body)		19(D)×64.6(W)×160.2(H) zinc die casting	Rated Voltage: DC 6V Operating Temperature: -15~55 °C Sensor Operating Temperature (High-Temperature): 55 °C
Interior (main body)	V Series, Fireproof	36(D)×85(W)×158(H) Reinforced Plastic	
	HOOK	35.5(D)×85(W)×158.5(H) Reinforced Plastic	
Product Type	V Series, HOOK Model	Direct current, non-fireproof, temperature sensor style, non-key style, main key door lock (D-NF-T-NK-S)	
	Fireproof	Direct current, fireproof, temperature sensor style, non-key style, main key door lock (D-NF-T-NK-S)	
Battery		1.5V 4 AA alkaline Battery	1 year life expectancy (at 10 uses per day)
Options	Remote control	wireless	optional (separate purchase)
	Homecare communication pack	wireless security syste	optional (separate purchase)
	Homecare pack	wireless security syste	optional (separate purchase)

※ Terms of use may slightly vary depending on the battery life.

Customer Support

After Service (A/S) Request Upon Product Malfunction

When a problem occurs with the product, please contact the customer support at (1544-3232) to request for after service (A/S).
During the warranty period, the after service (A/S) is at free of charge. However, consumer negligence or operation misuse (non-defect cause) after service or past warranty period after service will be charged.

Be sure to keep the product warranty statement since you may not receive a proper after service without it.

Consumer Damage Compensation Standards

Product Warranty is until one year after the purchase

Consumer Damage Type		Compensation Detail	
		During product warranty	After product warranty
Normal Conditions of Use	Malfunction within 1 year of purchase	Free	Not Free
	Same malfunction occurring 2 times	Free	Not Free
	Same malfunction occurring 3 times	Product Exchange	Not Free
	Absence of product parts for repair	Product Exchange	Product Exchange (based on the standard depreciation rate)
Consumer's intentional or negligence malfunction	Battery exchange mistake, inexperience in dealing with the product, consumer's mistake	Not Free	Not Free
	Batteries or consumables exchange	Not Free	Not Free
	Malfunction due to using the product other than its original intent	Not Free	Not Free
	Intentional act or consumer's faulty assembling, disassembling, or repair	Not Free	Not Free
	Damage due to missing pass code	Not Free	Not Free
Damage due to fire or natural disaster		Not Free	Not Free

※ "Not Free" amount only accounts for the cost of the parts. Travel expenses will be accounted on additionally.

※ This Consumer Damage Compensation Standard follows the Ministry of Finance and Economy Notice's Consumer damage compensation regulations.



Customer Support
1544-3232



Internet Homepage
www.irevo.com



Product Description and Online Customer Support
www.egateman.co.kr

Customer Support



GATEMAN Safety Grade

The No. 1 Pride Gateman, which is leading in the digital doorlock technology, strives to build more stable and stronger doorlock by utilizing the years of experiences and the highest technology as the basis and selecting the top essential items for safety. This is the first digital door lock safety rating that applied the international standard. Based on safety and four other closely related sections, each section is divided into sub-categories, and overall, 25 items are used as standards for testing.

Testing Items

Safety Area	Testing Item
Authentication Security	Safety check for security steps for authentication, duplication of key, copying, and hacking
Enhanced Security Function	Double-safety/security feature support check for safety, alarm sounding function, and double-lock feature
Electronic Circuit Security Capability	Safety check for electrical, electronic, and magnetic field in regards to safety, electronic shocker, radio, static electricity, magnets, and others.
External Intrusion Responsiveness	Safety check against external shocks (mechanical or physical) through drill, crowbar, driver, and hammer

Safety Grade

Safety Grade	Grade Standard	Applied Technology
Grade 1	Grade 2 + Exam Passing Standard Dual Enhancement	Compared to Grade 2, external damage responsiveness exam as standards, and about two times greater enhancement
Grade 2	Grade 3 + Exam Passing Standard Enhancement	Compared to Grade 3, 17 testing items used as standards, and about two times greater enhancement
Grade 3	Grade 3 + 14 Exam Items Enhancement	ANSI, UL, and EN introduced (based on global authority for keys)
Grade 4	KS & KPS Standard	Korean digital door lock standard rules
Grade 5	Below KS & KPS Standard	

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