# Smart Door Lock User Manual
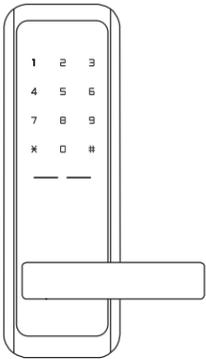
Type 1
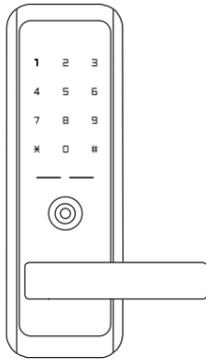
Type 2
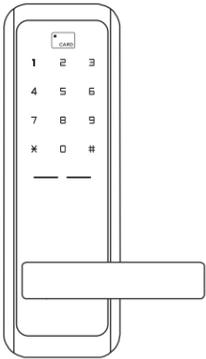
Type 3
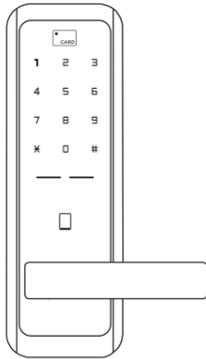
Type 4

⚠ CAUTION

This is a digital door lock and and can be severely damaged if it is not used according to the manual. Users must be fully aware of how to operate this product.

- This manual may change without prior notice in case of specification change.
- Product specifications are subject to change without prior notice.
- This manual should not be edited or changed without manufacturer's permission.

①

Safety precautions

| ⚠ Warning | The precautionary measures are for the safety of the user, for the prevention of property damage, and for the avoidance of any inconveniences due to an accident. These must be read and followed properly. |

- Do not disassemble or alter the lock.
- Do not install where the distance over 5mm between the door and door frame.
- Please do not expose the password and change the password in regularly.
- Do not clean the product with flammable materials such as alcohol, benzene or thinners. Such materials may damage the surface or cause a fire.
- Do not press using sharp tools or press numeric button excessively.
- Make sure the door is completely locked when going out.
- Please do not mix old with new batteries or use different types. Always use new alkaline batteries.

- Place the batteries carefully and correctly according to their polarity (+/-). If the batteries are inserted in a wrong way, differently from the indicated direction or polarity, leakage or rupture could occur. Pay attention to it.
- Batteries should not be exposed directly to heat sources or flames, or submerged in water, because they may leak or explode, resulting in severe damage. Please do not use damaged batteries.
- Replace the current batteries with new ones within 1 week after the battery replacement notification melody sounded off for the first time.
- Do not install the product in an outdoor environment, especially avoid rain, snow, direct sunlight, damp and salt.

Product Composition

Outer Body · Inner Body · Plate · Lockset

User Manual · Installation Template · Strike · 4 AA Batteries

Wireless Communication Pack (purchased separately) · Handle shaft · Square bar alignment pin · Assembly bolts and others
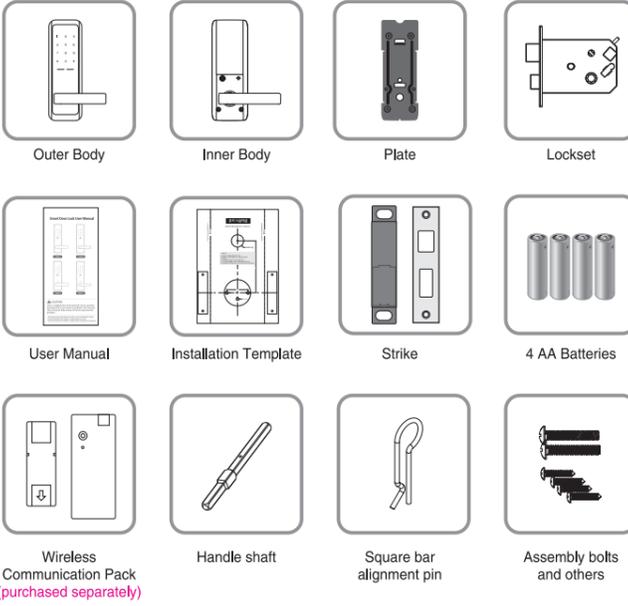
Unlock Method by Model

Model Name	Unlock Method	Back-up Key	Option
Type 1	1Way : Password	X	
Type 2	2Way: Password, Digital key	X	Wireless Communication Pack (purchased separately)
Type 3	2Way: Password, Smart key	X	
Type 4	3Way: Password, Smart key	O	

②

Outer Body

Inner Body

Touchpad part

Emergency Power Terminal

Touch plate, Type 2 Models

Outer Body handle

Battery cover

Wireless Communication Pack terminal

Registration button

Double Locking
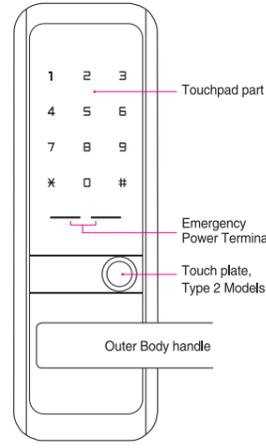
Inner Body Handle
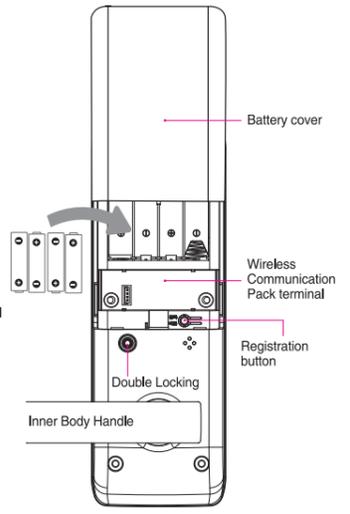
Anti-Panic Handle
Anti-panic handle allows unlocking from inside by a single pulling the handle down at any configuration and locking modes for quicker exit.

Smart plate (Type 3 and Type 4 Models)

Back-up Key Hole (Type 4 Models)
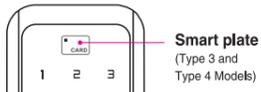
※ In addition to 2 or 4 pcs of smart tag that are provided basically, 13.56Mhz ISO 14443A type RF tags

Lockset

Dead bolt
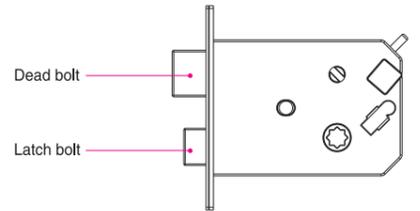
Latch bolt

How to Switch Latch Bolt

1. Disassemble the surface plate from the lock set and rotate the latch bolt to the correct direction.

Rotate 180 degrees
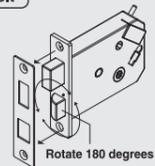
2. Place the lockset into the door mortise and then the surface onto it and fix them all with screws.

③

Registering and changing the password

| ⚠ Caution | The door must be open while registering the password. Default password is 1,2,3,4. |

1. Open Battery Cover of Inner Body and press [Reg.] button.

2. Check that the front keypad lamp is turned on.
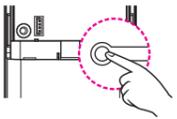
3. Enter the password of 4-12 digits.

4. Press [Reg.] button to complete with system alarming sound.
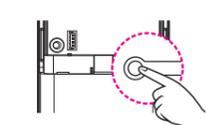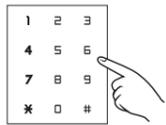
| ⚠ Caution | If no password is entered within 14 seconds after Registration Button pressed, the registration process will be cancelled. When a new password is registered (The above 1-4 steps), the previous one will be automatically deleted. If the registration mode is cancelled, the previous password will be maintained. |

Registering the smart key

| ⚠ Caution | When you register a new digital key, smart key or register it again, you need to register all digital key or smart key at a time. |

1. Open Battery Cover of Inner Body and press [Reg.] Button.

2. Place the Digital Key or Smart Key on the Touch Point of the Front touch plate (A beep sounds to complete each of registration).

3. Press [Reg.] button to complete with system alarming sound.
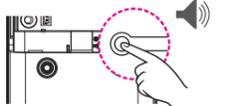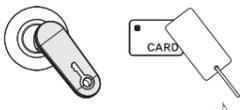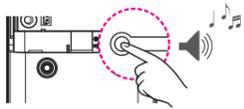
▶ **Deleting digital key or smart key**

Press [Register button] and [0] button for 5 seconds and all registered digital keys or smart keys will be deleted.

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④

Registering and Deleting Wireless Communication Pack

(Wireless Communication Pack is to be purchased separately and Wireless Receiver has to be interlocked firstly)

1. Open Battery Cover of Inner Body and press [Reg.] button.

2. Press [Open] button of Remote Controller or [Reg.] button of Transmitter. (A beep sounds at each registration)

3. Press [Reg.] button to complete with system alarming sound.
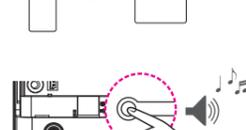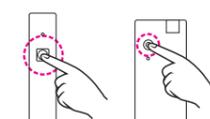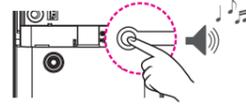
▶ **Deleting registered Wireless Communication Pack**

Press Registration button and press [1] of Touch Pad for 5 seconds.

| ⚠ Caution | Deleting mode will be canceled in 15 seconds if no registration is made and registered communication packs will remain. |

Locking the door from inside

▶ **When auto lock is set**

3 sec

Default setting is auto lock so the door will be locked automatically in 3 seconds after it's closed.

▶ **When manual lock is set**

[Double locking] one time)
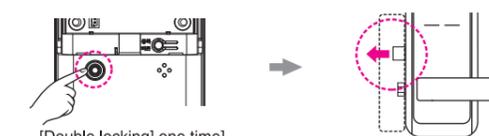
Press Double Locking button shortly to lock the door.

⑤

## Opening the door from the inside.

| ⚠ Caution | If the user does not open the door within 7 seconds after pulling the handle down, the door will be automatically locked. |

▶ **Opening the door by handle**
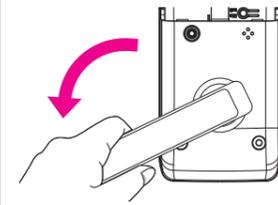
Pulling the Indoor Handle Down

Gently press down on the handle of the indoor main body to activate the one-touch anti-panic function and unlock the door.

Opening the door from the outside.

▶ **Opening the door with password**
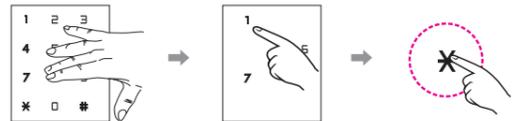
Touch [Touchpad] and press [✳] button after entering password. Door opens with melody.

※ Mode will end automatically if no button is pressed within 7 seconds after touching [Touchpad].

▶ **Opening the door with digital key** (Type 2)

1. Place the registered digital key to [Digital key touch point].
2. After beep sound, the door will be opened.

▶ **Opening the door with smart key** (Type 3, Type4)
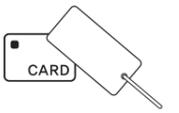
1. Place the registered smart key to [Smart key touch point].
2. After beep sound, the door will be opened.

▶ **Opening the door with back-up key**
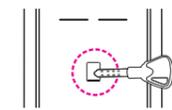
Insert the key into the key hole and turn it to open the door.

⑥

## Locking the door from outside

▶ **When auto lock is set**

3 sec

Default setting is auto lock so the door will be locked automatically in 3 seconds after it's closed.

▶ **When manual lock is set**

Touch [Touchpad] for more than 2 seconds and the door will be locked.
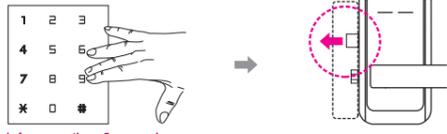
Touch for more than 2 seconds

Double Locking mode

When all family members are at home, this safe mode allows no one can open the door using password or digital key or smart key from outside.

▶ **Setting**
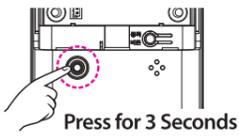
Press for 3 Seconds

Press Double Locking button for 3 seconds while door is locked.
A system alarm sounds when set up.

▶ **Unsetting**
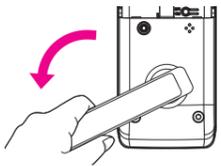
Pulling down the handle of Inner Body or pressing Double Locking button will unset Double Locking mode.

※ It's not possible to open the door by password, digital key and smart key from outside while the double locking is set.

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Double Locking unsetting from outside

This function allows the user can unset double locking mode from outside in case of setting double locking mode by mistake.

▶ **Unsetting**

1. While the door is locked, touch the Touchpad and enter the registered password.

2. Press the [#] button & the password. Press the [✳] button again.
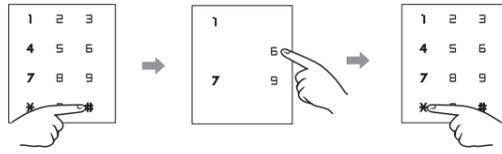
Forced lock setting/unsetting from outside

This function helps strengthen the level of security by generating poweful warning sound if someone tries to unlock the door from inside when the user leaves home for long period of time.

▶ **Setting**

1. Touch [Touchpad] from outside pressing [0] button and press [#] button for 5 seconds.
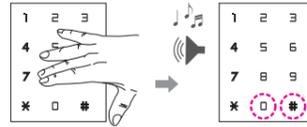
▶ **Unsetting**

If the user opens the door using registered password, digital key or smart key from outside, the setting is released automatically.

Entering tricking passwords

This security function keeps your password from being exposed to strangers by allowing you to enter a random fake password before your actual password in a situation where a stranger is watching from the outside.

▶ **How to use**

If your password is "1234", after entering fake numbers (random numbers) press "1234" at the very end to unlock the door.

After entering fake numbers (random numbers)   press '1234'
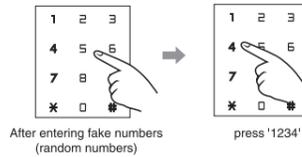
※ Fake numbers(random numbers) + real password should not exceed 20 digit.

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Auto, Manual locking mode

▶ **Auto locking mode**

[Reg.] ➡ 3 ➡ [Reg.] 🔊

After the door is opened, auto locking sensor detects auto locking status.

Auto relocking function : When the door is not opened within 7 seconds after the lock is open, the door is relocked automatically.

▶ **Manual locking mode**

[Reg.] ➡ 6 ➡ [Reg.] 🔊

To lock the door, please keep touch the keypad over 2 seconds.

Master password registration & deletion
(Password / Smart key)

This function is for apartments and other buildings with multiple households. It may be deleted upon moving in.

▶ **Master password**

Registration [Reg.]- [8] - [3] - [Reg.] - [3~20 digit numer] - [Reg.]

Delete   [Reg.] - [#] - [#] - [#] - [7] - [3] - [Reg.] - [registered password or master password] - [Reg.]

▶ **Key**

Registration [Reg.]- [8] - [6] - [Reg.] - [key contact] - [Reg.]

Delete   [Reg.] - [#] - [#] - [#] - [7] - [6] - [Reg.] - [registered password or master password] - [Reg.]

Volume Control

This function helps the users to adjust the volum level.

▶ Nomal (initial value)	▶ Mute	▶ High tone
[Reg.] - [8] - [Reg.]	[Reg.] - [9] - [Reg.]	[Reg.] - [7] - [Reg.]

Etiquette mode

Regardless of the current sound setting, this function makes the door lock silent for 1 time when the user wants to use it quietly.

Touch the keypad, and press [#] button one time.
Then, enter the registered password and [✳] button.

※ This is one-time function so sound will be generated from next time.

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High-temperature warning system

When high temperature over 70℃ ±10℃ is detected, it generates warning sound over 80dB.

▶ **Releasing high-temperature warning sound**
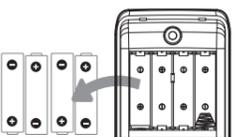
Battery Removal

It is released when the power is reset by removing batteries.
※It is not released when the temperature of the product is high.

Remove batteries to disable warning sound.

Attention When warning sound is generated, the door opens automatically regardless of Double locking or Forced lock setting.

Trespass / Breakage alarm
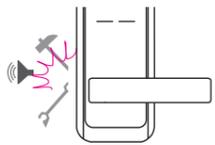
▶ **Operation**

If there's any attempt to open the door by abnormal way such as widening the door gap, it generates 80dB warning sound with blink.

▶ **Releasing warning sound**

Warning sound is disabled when registered password or digital key or smart key is entered or batteries are removed.
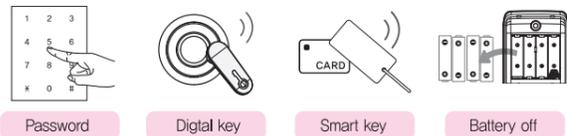
Password	Digtal key	Smart key	Battery off

Lock function for 30 sec

If incorrect password or smart key is entered 3 times consecutively, warning sound is generated and all functions are disabled for 30 seconds.

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High-temperature warning system
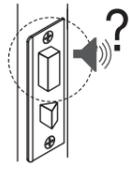
If the deadbolt is not working properly 3 times when open or lock the door, it generates melody as a warning signal.

"Bibibibi"

Attention If you keep experiencing warning sounds or malfunction of the dead bolt, you need to adjust the position of the lock set again.

Alarm Function When Replacing Batteries
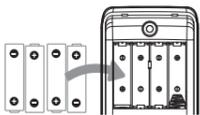
When it's time to replace batteries, you will hear melody sound to let you know when open or lock the door.
When you hear this melody, open battery cover and replace all batteries with 1.5V Alkaline batteries.

Replace all 4 batteries

Caution
• Do not use rechargeable batteries.
• Be careful of polarity to avoid product damage.
• Replace all batteries at once.
• Do not mix used and new batteries.
• Typical input of power is 6 VDC. Lower input than 4.2VDC ± 0.3VDC will generate alarm sound.
• Firstly check batteries when the door lock stops working in a shorter period of time after replacement.

Emergency Power Supply Function

When the batteries of the door lock are completely discharged, making it impossible to open thedoor from the outside by using the password digital touch key, or the card key, this function will help supply the emergency power by using a 9V battery from the outside.

9V

▶ **How to Use**
① Purchase rectangular 9V batteries from a nearby convenience or stationary store.
② Place the battery on the 9V battery input terminal of the outdoor main body, then press the [✳] button. If emergency power has been properly supplied, you will hear a "beep, beep" and the password light will turn on.
③ Enter the registered password and press the [✳] button or validate a registered fingerprint or smartkey to open the door.
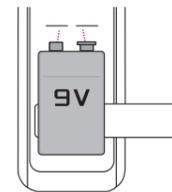
Attention
• 9V batteries for emergency power supply use can be placed in any direction on the input terminal regardless of the positive or negative polarity.
• The 9V battery must remain in contact with the input terminal for emergency power to be supplied. (Not a charging method)
• After supplying emergency power, immediately replace all depleted batteries in the indoor main body.

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Product standards

Category		Contents
Size	Inner Body	74(W) x 223(H) x 24(D) mm
	Outer Body	70(W) x 223(H) x 36(D) mm
Unlock Method	Password	4 · 12 digits
	Smart key, Digital key	Possible to register up to 50pcs.
	Back-up Key	For Type 4
	Wireless Communication Pack	Purchase separately
Rated Voltage	DC 6V	4 LR6 1.5V alkaline batteries (lasts for 1 year based on 10 uses per day)
Emergency Power	DC 9V	Alkaline batteries (sold separately)
Product Type	2 Way Model : DC-Nonfire Resistant-Temperature Sensor-Keyless-Main Rudder(D-NF-T-NK-M)	
	3 Way Model : DC-Nonfire Resistant-Temperature Sensor-Key-Main Rudder(D-NF-T-K-M)	

※ Battery lifespan are based on the company's test figures. They are not absolute figures and may differ according to the temperature and humidity of the site of installation, frequency of use, and battery quality.
※ This product's functions, design, and components are subject to change without advanced notice in order to improve quality.

Product Warranty and Consumer Protection Regulations

• The free warranty period for all products this company is 1 year from the date of purchase based on the product warranty certificate.
• All matters related to services from the company are in accordance with the compensation criteria for consumer damages as deter mined by the government.
• Service fees will be charged (per diem allowance + technical fee + parts fee) if the service is subject to charges despite being within the warranty period.
• Product warranties from countries other than the Republic of Korea will be processed according to separate product warranty certificates issued by the company.
• When services are requested, you must present the product installation data included in the instructions manual and the product warranty certificate written with installation information.
• If you do not have the product warranty certificate, it may be substituted by a receipt, card statement, cash receipt, or other means of documentary evidence of your purchase.
(Simple receipts will not be acknowledged.)

Consumer Damage Type		Compensation	
		Within Warranty Period	After Warranty Period
Consumer Fault or Negligence	Failure within 1 month of purchase	Replace Product	Repair at Cost
	Failure within 1 year of purchase	Free Repair	
	4 or more failures for the same defect	Free Repair	
	If there are no repair parts from the company	Replace Product	Replace after Fixed Depreciation
During Normal Usage	If there is no failure	Repair at Cost	
	Consumer fault or negligence		
	Other cases		

Consumer Fault or Negligence Details

■ **If there is no failure**

1) If the product is damaged because the password was lost
2) If the product must be reinstalled because of the door is drooping or incorrect installation, instead of a product failure
3) If a product inspection is requested without any clear symptoms of defect
4) Operational abnormalities resulting from direct installation from the consumer

■ **Consumer Fault or Negligence**

1) If repairs are required due to the consumer's fault or negligence such as incorrect battery replacement, lack of knowledge on how to use the product, etc.
2) Operational defects due to incorrect battery insertion or use of defect batteries
3) Defects or damage due to use of the product other than the product's intended purpose
4) Defects or damage resulting from the consumer's intentions or external shock

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