

SHP-DP609

User Manual

Samsung SDS Digital Door Lock

WiFi Function (p.13, 19)

App based user service using the WiFi function

Silent Mode (p.4)

When entering or exiting, the sounds from the keypad and doorlock will be muted.

Double Authorization Function (p.17)

Both a password and a fingerprint are required to unlock your door lock, to strengthen its security.

Welcome Function (p.15, 16)

When a user approaches the door lock, the authorization standby mode will automatically activate.

Security Assurance Function (p.21)

When someone is inside the house, authorization for entry from the outside will be prohibited.

Away Security Function (p.22)

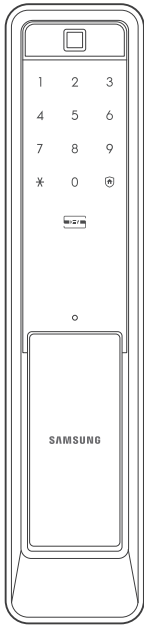
When a user is out of the house, if the inside of the door lock is used, an alarm is triggered.

High Temperature Alarm (p.23)

If the inside of a house has a very high temperature, the door lock will be automatically unlocked.

Voice Guide (p.19)

Guides each action by voice.



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Safety Precautions



Warning

This section contains important information to ensure the user's safety and prevent potential damage to property. Please, read this section carefully and use the product accordingly.

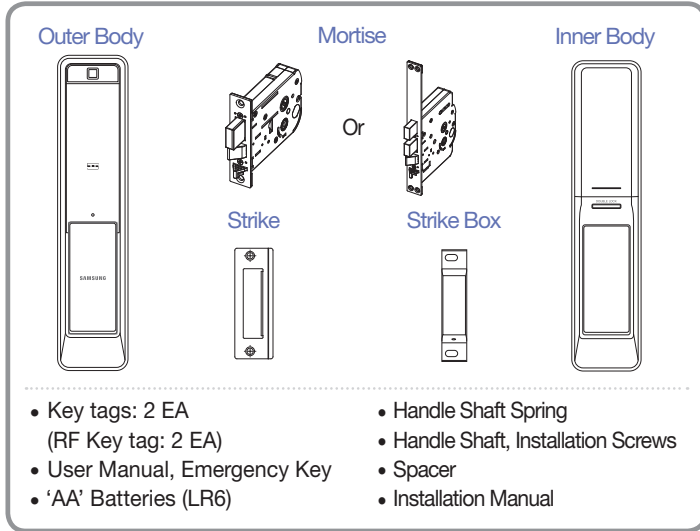
- The installation and repair should be done by the professional installer or service person.
 - Do not install the product in the place where the gap between the door and the frame is 5 mm or more.
 - Long-term exposure to direct sunlight may cause a crack on its touch pad. Avoid exposure to direct sunlight.
 - Do not use the excessive force or sharp objects to push the lock buttons, as this can damage the product.
 - Do not operate the product with wet hands, and keep liquids such as water or drinks away from the product, or the product may malfunction or be damaged.
 - Do not use water, benzene or alcohol when cleaning the product, but use a soft dry cloth.
 - Make sure that the door is completely closed when going outside.
 - Make sure that no unauthorized person has the access to the password.
- Change it regularly.
- Be sure to correctly match the battery polarities (+/-) when installing the batteries. Wrong direction of battery polarities may cause the battery liquid leakage or the burst of them.
 - When the battery replacement alarm melody is generated, use all new batteries instead of the existing batteries.
 - According to the wireless communication environment, its battery may consume much.
 - Interference in wireless communication may occur when this product is used, or radio interference may occur from other devices.
 - As this radio system may have radio interference during the operation, it cannot provide a service for human lives.
 - Too much dew condensation may affect the performance of this product.
 - Keep 20 cm or longer away from this product when using it.

※ The information of this user manual is subject to change without any notices to improve the performance of this product.

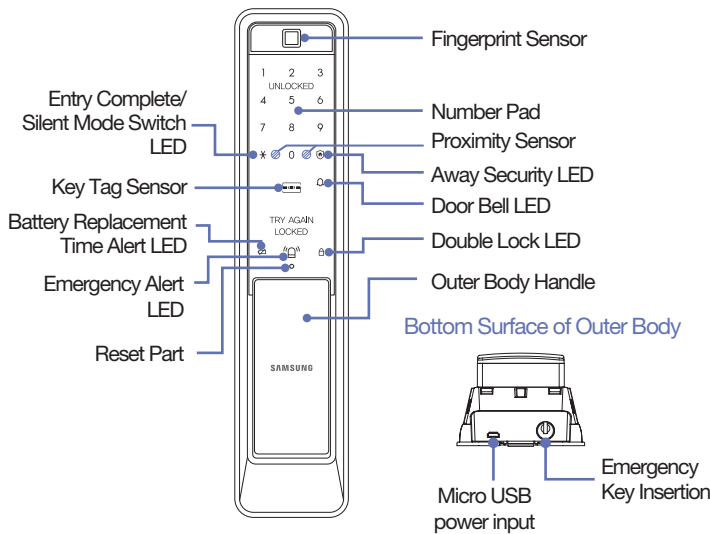
※ Customer's improper installation may result in a additional service costs. We highly recommend professional installation.

Product Components

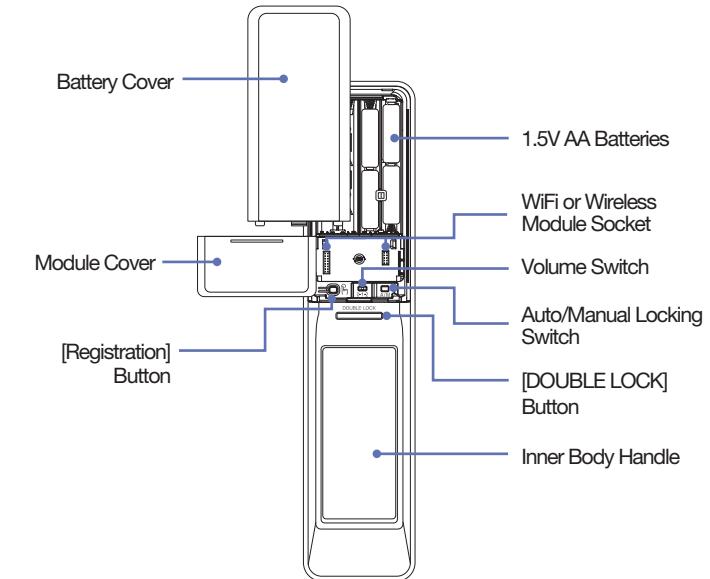
The product components may vary depending on the installation environment.



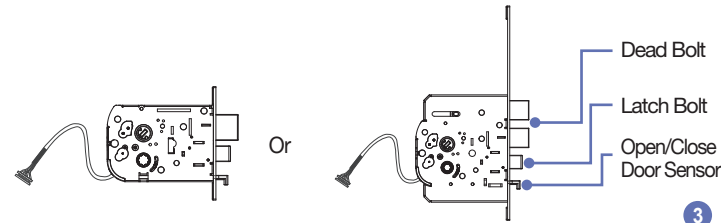
Outer Body Parts



Inner Body Parts



Mortise



Opening the Door from Outside (Master/User Password)

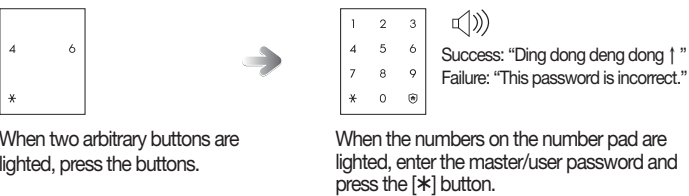
When purchased, the product is set to Multi-leveled Security Code Entry Mode initially. Please, refer to 'Multi-leveled Security Code Entry Mode setting' for Common Mode setting.

※ Silent Mode

Before entering the master/user password, press the [*] button and enter the master/user password, then both the sound of the key entering and the door opening will be muted. It is a useful function if you do not want to disturb neighbors when you go in and out at night.

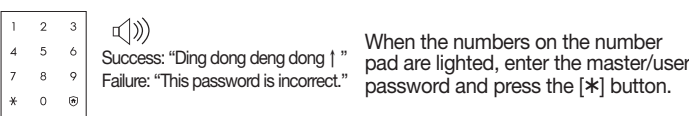
1. Multi-leveled Security Code Entry Mode

Accessing the door lock or touching the number pad (in the Welcome Function mode) will light up the number pad.



2. Common Mode

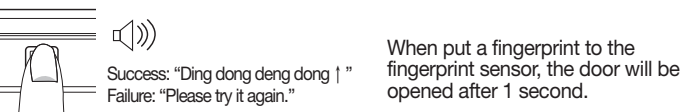
Accessing the door lock or touching the number pad (in the Welcome Function mode) will light up the number pad.



- Master/User password must be entered after the light is on. If not, touch the number pad and re-enter the password.
- To cancel the password entry, press the [⏏] button and re-enter the password.
- If the password is wrong 5 times, the "You entered the wrong information five times." alarm will sound. In about 10 seconds, the "The input block mode will be activated for three minutes." alarm will sound, and the system will shut-down for about 3 minutes. If the correct password is entered before the 3-minute entry block mode alarm is generated, the entry block mode will not be activated.

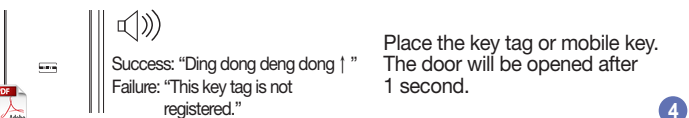
Opening the Door from Outside (Fingerprint)

A locked door can be opened from outside by using a fingerprint. Place the registered fingerprint on the fingerprint sensor.



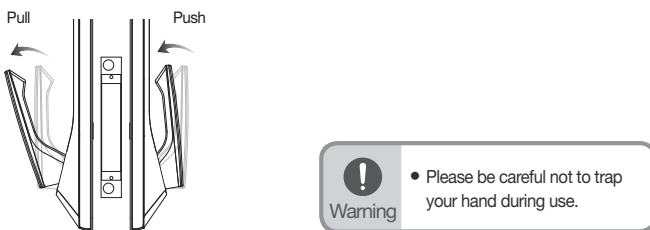
Opening the Door from Outside (Key tag, Mobile key)

A locked door can be opened from outside by using a key tag or mobile key. Place the registered key tag or mobile key on the key tag sensor.



Opening the Door from the Inside

Opening the Door by Pulling the Inside Handle (Pull-Push)



Locking the Door from the Inside

Automatic Locking Setting

The door is automatically locked 1 second after the door is closed.

Manual Locking Setting

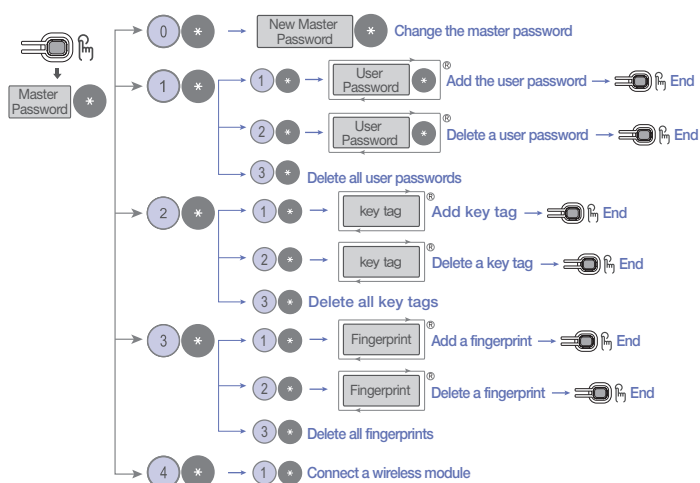


The door is locked when the [DOUBLE LOCK] button from the inside is pressed.

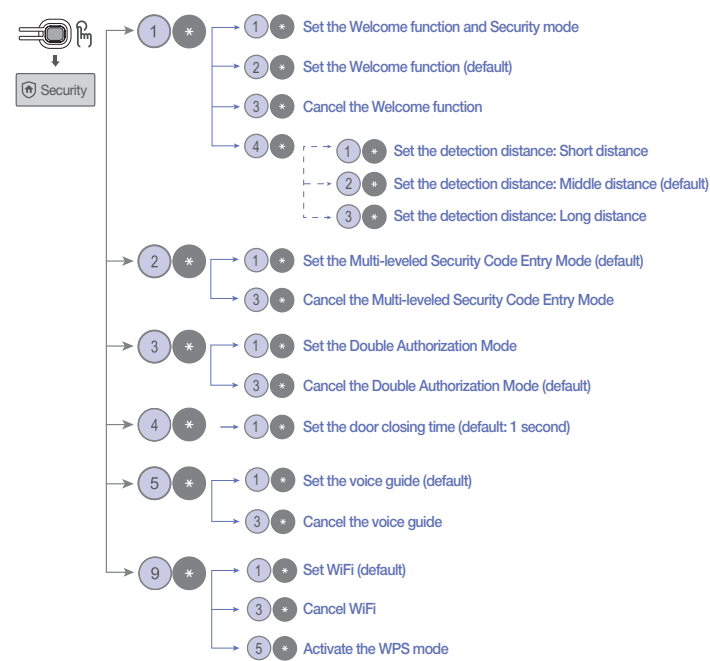
- If you want to check the door status in the house, shortly touch the Double Lock button. If the door is locked, the red LED blinks. If not, the green LED blinks.

Menu

Registration Mode



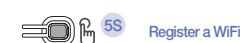
Setting Mode



Initialization Mode

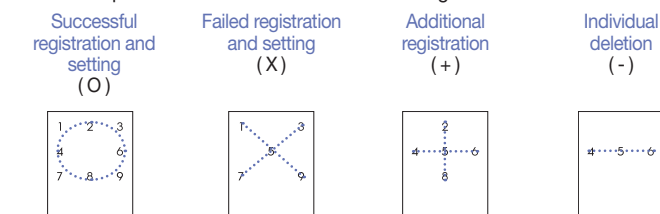


WiFi Registration Mode



Number pad Guide

The number pad of the door lock shows diverse settings.



※ All registration and setting are activated only when the door is opened.
(WiFi connection is activated only when the door is closed.)

Registration Mode

A user can change a master password, or register and delete a user password or a Key tag or fingerprint or delete all user passwords or a Key tag or fingerprints.
In addition, a wireless connection can be registered as an option.
In the Registration mode, select a function.
(For the details of each function, refer to page 7-14.)

※ In the Registration mode, be careful that the door is not locked even though it is closed during the registration time (60 seconds). To cancel the Registration mode, press the Register button of the inner body.

1. [Register] Button

 “Ding dong” →
“Press the password and the asterisk sign to manage an authentication tool. Press the Security button for the environment setting. Press the Register button to end this process.”

Open the battery cover of the inner body and press the [Register] button shortly.

2. Existing Master Password

 “Ding dong deng” →
“Press “0” and the asterisk sign to change a password. Press “1” and the asterisk sign to manage a user password. Press “2” and the asterisk sign to manage a key tag. Press “3” and the asterisk sign to manage a fingerprint. Press “4” and the asterisk sign to set up a wireless connection.”

 Press the existing master password and the [*] button.

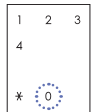
Change the master password

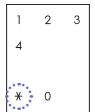
A user can register a master password (4 to 12 digits), and only one master password can be registered. The default master password is “1234.”

1. Enter Registration Mode

Select the Registration mode.
(Refer to the Registration mode.)

2. Select Master Password Change

 Press the [0] button.
- To hear the announcement again, press a number button before pressing the [*] button.

 Press the [*] button.

3. Press New Master Password

 “Ding dong deng” →
Success: “It was changed.”
Failure: “Wrong information was entered.”

Press a new master password and the [*] button.

4. Check Changed Password

 Press the [Register] button, the new password, and the [1] button, consecutively, and check if the Registration mode is accessed.

**Warning**

- To prevent an intrusion, it is recommended to make a password with 6 or more digits. (Each digit number ranges from 0 to 9.)
- Manage your master password with care so that unauthorized people will not have access to it. Regularly changing your password can reduce the risk of it being leaked.
- A registered master password cannot be deleted. Register a new master password.
- To make sure the password has been properly registered, check the new password and close the door.
- If checking the new password fails, initialize the key information (see page 14) to initialize the password, and change the password again.

7

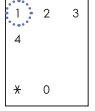
Adding/ Deleting User Password/ Deleting All User Passwords

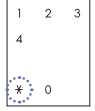
A user can register a user password (4 to 12 digits).
Up to 100 user passwords can be registered.
A user password registered can be deleted, or all user passwords can be deleted.

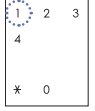
1. Enter Registration Mode

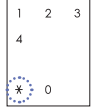
Select the Registration mode.
(Refer to the Registration mode on page 7.)

2. Select User Password Management

 Press the [1] button.
- To hear the announcement again, press a number button before pressing the [*] button.

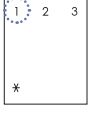
 Press the [*] button.

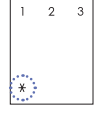
 “User Password Management mode”

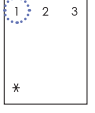
 “Press “1” and the asterisk sign for additional registrations. Press “2” and the asterisk sign for individual deletions. Press “3” and the asterisk sign for all deletions.”

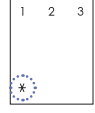
[Add a user password]

3. Select Additional Registration

 Press the [1] button.
- To hear the announcement again, press a number button before pressing the [*] button.

 Press the [*] button.

 “Additional Registration mode”

 “Press a user password and the asterisk sign.”

4. Press New User Password

 “Ding dong deng” →
Success: “It is registered. If you need to register it more, press a new user password and the asterisk sign.”
Failure: “Wrong information was entered.” or “It already exists.”

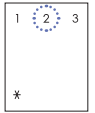
Press a new user password and the [*] button.

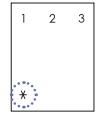
5. Exit Registration Mode

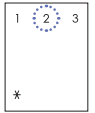
 If you want to end this process, press the [Register] button of the inner body shortly.

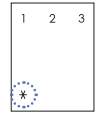
[Delete a user password]

3. Select Individual Deletion

 Press the [2] button.
- To hear the announcement again, press a number button before pressing the [*] button.

 Press the [*] button.

 “Individual Deletion mode”

 “Press the user password and the asterisk sign.”

4. Press User Password to Delete

 “Ding dong deng” →
Success: “It is deleted. If you need to delete more, press the user password and the asterisk sign.”
Failure: “This password is not registered.”

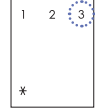
Press the user password registered and the [*] button.

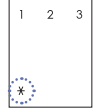
5. Exit Registration Mode

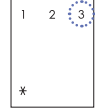
 If you want to end this process, press the [Register] button of the inner body shortly.

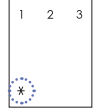
[Delete all user passwords]

3. Select All Deletion

 Press the [3] button.
- To hear the announcement again, press a number button before pressing the [*] button.

 Press the [*] button.

 “All deletion mode”

 “Ding dong deng” →
“All deleted.”

**Note**

- Continuously, a user password can be registered or deleted. When a user enters a user password within 60 seconds after a new user password is registered or deleted, the registration or deletion continues to be performed.
- To make sure the password has been properly registered or deleted, check the password and close the door.

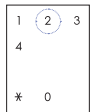
Adding/Deleting a Key tag / Deleting All Key tags

Up to 100 key tags can be registered. A registered key tag can be deleted, or all key tags can be deleted (ISO 14443 Type A supportable).

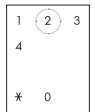
1. Enter Registration Mode

Select the Registration mode
(refer to the Registration mode on page 7).

2. Select Key tag Management

 Press the [2] button.

 Press the [*] button.

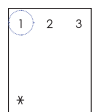
 “Key tag Management mode”

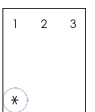
 “Press “1” and the asterisk sign for additional registrations. Press “2” and the asterisk sign for individual deletions. Press “3” and the asterisk sign for all deletions.”

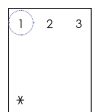
Press the [2] button.

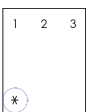
[Add a key tag]

3. Select Additional Registration

 Press the [1] button.

 Press the [*] button.

 “Additional Registration mode”

 “Connect the key tag to be registered additionally.”

4. Connect the Key tag to be Added

 “Ding dong deng” →
Success: “It is registered. If you need to register more, connect a key tag to be registered additionally.”
Failure: “This key tag already exists.”

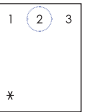
Connect a key tag to be added to the key tag sensor.

5. Exit Registration Mode

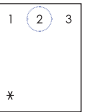
 If you want to end this process, press the [Register] button shortly.

[Delete a key tag]

3. Select Individual Deletion

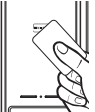
 Press the [2] button.

 Press the [*] button.

 “Individual Deletion mode”

 “Connect the key tag to be deleted.”

4. Connect the Key tag to be Deleted

 “Ding dong deng” →
Success: “It is deleted. If you need to delete more, contact the key tag to the key tag recognition part.”
Failure: “This key tag is not registered yet.”

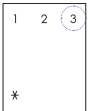
Connect the key tag to delete to the key tag recognition part.

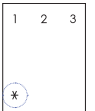
5. Exit Registration Mode

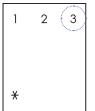
 If you want to end this process, press the [Register] button shortly.

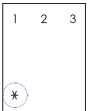
[Delete All Key tags]

3. Select All Deletion

 Press the [3] button.

 Press the [*] button.

 “All Deletion mode”

 “Ding dong deng” →
“All deleted.”

**Note**

- A key tag can be registered or deleted continuously. When a user connects a key tag within 60 seconds after a new key tag has been registered or deleted, registration or deletion can continue.
- To make sure the password has been properly registered or deleted, check the password and close the door.

**Warning**

- Only the key tags provided by Samsung SDS can be used.
- Samsung SDS will not be responsible for any problems occurring from the use of authentication methods, other than the key tags it has provided.

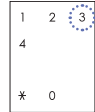
Adding/ Deleting Fingerprint/ Deleting All Fingerprints

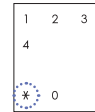
Max 100 fingerprints can be registered.
A fingerprint registered can be deleted, or all fingerprints can be deleted.

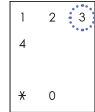
1. Enter Registration Mode

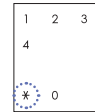
Select the Registration mode.
(Refer to the Registration mode on page 7.)

2. Select Fingerprint Management

 Press the [3] button.
- To hear the announcement again, press a number button before pressing the [*] button.

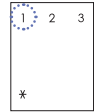
 Press the [*] button.

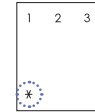
 “Fingerprint Management mode”

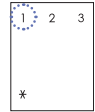
 “Press “1” and the asterisk sign for additional registrations. Press “2” and the asterisk sign for individual deletions. Press “3” and the asterisk sign for all deletions.”

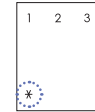
[Add a fingerprint]

3. Select Additional Registration

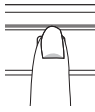
 Press the [1] button.
- To hear the announcement again, press a number button before pressing the [*] button.

 Press the [*] button.

 “Additional Registration mode”

 “Input a new fingerprint three times to the fingerprint recognition part.”

4. Put a fingerprint to Add

 “beep” →
“Ding dong deng” →
Success: “It is registered. If you need to register it more, input your fingerprint three times to the fingerprint recognition part.”
Failure: “Please try it again.”

Put a fingerprint to add to the fingerprint sensor.
(In registering your fingerprint, change its position gradually until it is recognized.)
When “beep” sound is generated and the recognition count is displayed on the number pad, remove the finger from the sensor and contact it again. (Total three times)

5. Exit Registration Mode

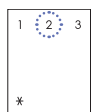
 If you want to end this process, press the [Register] button of the inner body shortly.

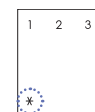
**Note**

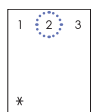
- In registering your fingerprint, it is recommended to register your thumb or index finger.
- If the quality of the fingerprint image is bad, fingerprint registration may be refused.

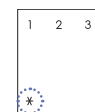
[Delete a fingerprint]

3. Select Individual Deletion

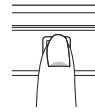
 Press the [2] button.
- To hear the announcement again, press a number button before pressing the [*] button.

 Press the [*] button.

 “Individual Deletion mode”

 “Input the fingerprint to the fingerprint recognition part.”

4. Put the fingerprint to Delete

 “Ding dong deng” →
Success: “It is deleted. If you need to delete more, input the fingerprint to the fingerprint recognition part.”
Failure: “Please try it again.”

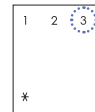
Put the fingerprint to delete to the fingerprint sensor.

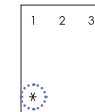
5. Exit Registration Mode

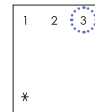
 If you want to end this process, press the [Register] button of the inner body shortly.

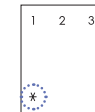
[Delete all fingerprints]

3. Select All Deletion

 Press the [3] button.
- To hear the announcement again, press a number button before pressing the [*] button.

 Press the [*] button.

 “All deletion mode”

 “Ding dong deng” →
“All deleted.”

**Note**

- Continuously, a fingerprint can be registered or deleted. When a user contacts a fingerprint within 60 seconds after a new fingerprint is registered or deleted, the registration or deletion continues to be performed.
- To make sure the password has been properly registered or deleted, check the password and close the door.

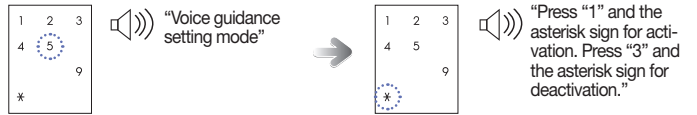
Voice Guide Setting

Door lock functions are guided by voice.
By default, the voice guide is set.

1. Enter Setting Mode

Select the Setting mode.
(Refer to the Setting mode on page 15.)

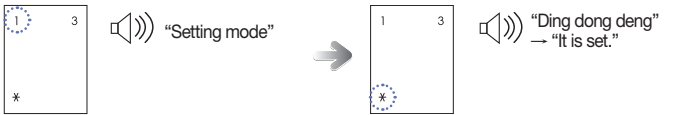
2. Select Voice Guide Setting



Press the [5] button.
- To hear the announcement again, press a number button before pressing the [*] button.

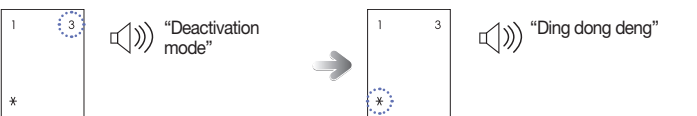
3. Select Activation/Deactivation

- Select the setting



Press the [1] button.
- To hear the announcement again, press a number button before pressing the [*] button.

- Select the deactivation
Even though this voice guide is deactivated, if an abnormal/emergency situation occurs, an alarm sound is generated. The voice guide for the low voltage notification, security assurance mode, and away security mode are not deactivated.



Press the [3] button.
- To hear the announcement again, press a number button before pressing the [*] button.

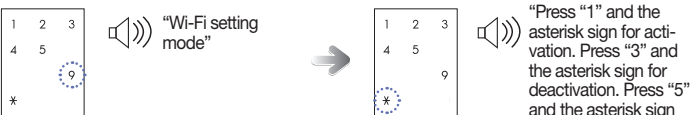
WiFi Use

By default, the WiFi Use is set.

1. Enter Setting Mode

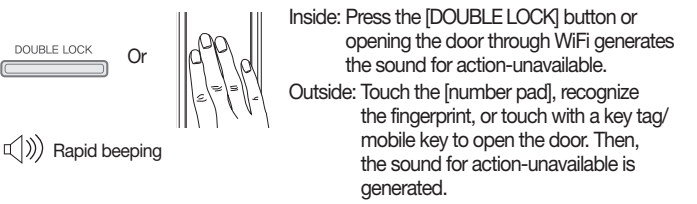
Select the Setting mode.
(Refer to the Setting mode on page 15.)

2. Select WiFi Use Setting Mode



Press the [9] button.
- To hear the announcement again, press a number button before pressing the [*] button.

Security Assurance Mode Operation



Warning

- When the security assurance function is activated, the door cannot be unlocked from the outside, so please be careful. Be especially careful not to allow children to set this mode accidentally from the inside.

Away Mode and Anti unlock Activation/Deactivation

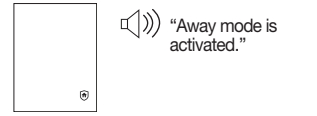
Away Mode

To prevent intrusion when a user goes out, this function triggers an alarm sound when someone tries to open the door from the inside.
In Away mode, if someone tries to open the door from the inside, “beep-beep-” sound is triggered for 5 minutes.

Anti unlock

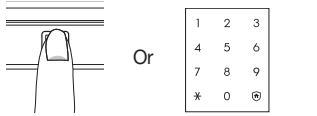
When this function is activated, the internal handle will become tightened to prevent bypass attempts through door edge tools will be minimized.

Away Mode Activation



Once the door is locked, the [1] button of the number pad is lighted.
Press the [1] button within 3 seconds to activate the Away mode.

Away Mode Deactivation



Enter the master/user password, touch a registered key tag/mobile key, recognize a fingerprint, or use WiFi, and open the door to deactivate the Away mode.

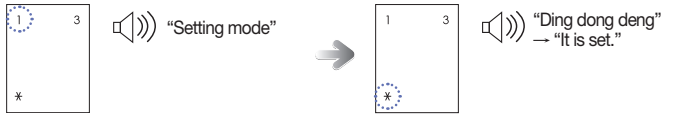
Warning

- Anti unlock function should only be set up when there is no one inside.

[Activation/Deactivation Wi-Fi Use]

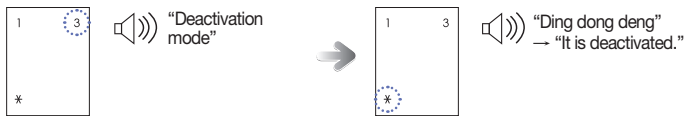
3. Select Activation/Deactivation

- Select the setting



Press the [1] button.
- To hear the announcement again, press a number button before pressing the [*] button.

- Select the deactivation



Press the [3] button.
- To hear the announcement again, press a number button before pressing the [*] button.

Note

- When WiFi Use is deactivated, a user cannot use various other services provided by the App.
- If you do not use the app, it is recommended to deactivate the use of WiFi.

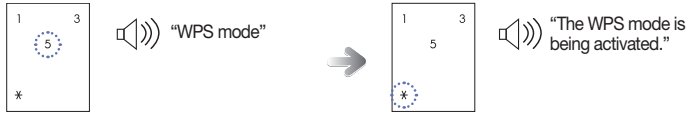
[WPS mode]

When an AP is changed while a WiFi is used after its registration, this WPS mode allows convenient setting from the connection to the security setting without complex process. This mode can be used only when an AP supporting the WPS.
For the information on how to use the WPS of an AP refer to the AP user manual.

3. Select WPS of Changed AP

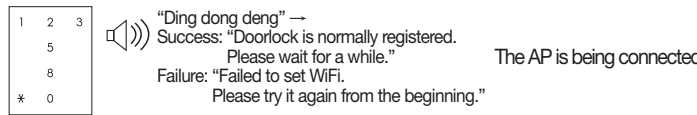
Select the WPS of a changed AP.

4. Select WPS



Press the [5] button.
- To hear the announcement again, press a number button before pressing the [*] button.

5. Connect to AP



The AP is being connected.

Note

- WPS: WiFi Protected Setup
- If an AP does not support the WPS, take the WiFi registration procedure again to use the changed AP.
- For the information on the WiFi registration, refer to the page 14.

Intrusion Detection Function

This function triggers an alarm sound when an attempt is made to forcefully open the door from the inside or the outside.
(It is a basic function, and cannot be activate/deactivated by the user.)
If the door is forcefully opened while locked, the open/close door sensor detects it and triggers an alarm sound for 5 minutes.

Prank Prevention Function

This function triggers an alarm sound and deactivates lock operation when the door lock is improperly handled from the outside.
If a fingerprint/key tag/mobile key that are not registered or a wrong password are used five times, an alarm sound is generated and the door lock is deactivated for 3 minutes.

Alarm Sound Deactivation

Open the battery cover on the inner body and press the [Register] button, or open the battery cover and separate the batteries. Authenticate a registered fingerprint/key tag/mobile key or pressing the master/user password and press the [*] button.

High Temperature Alarm Function

If the room temperature abnormally increases, the temperature sensor detects it and an alarm is triggered. (It is a basic function, and cannot be activate/deactivated by the user.)
This high temperature alarm function is activated at about 70 °C±10 °C.
Depending on the installation environment, the temperature may be different.

When a high temperature occurs, the temperature sensor detects it. The LED of the [DOUBLE LOCK] button on the inner body flashes while an alarm sound is generated for 15 seconds. After the alarm sound stops, the door is automatically opened.
(If the room temperature decreases to below a certain temperature, the door lock is normally operated.)

Battery Replacement

Melody for low battery notification is triggered

When the door is opened by pressing a master/user password, recognizing a fingerprint or touching with key tag/mobile key, if the voice message, “Replace the batteries.” is heard, the batteries should be replaced.
(If the battery replacement alarm melody sounds, the battery replacement [LED] LED is lighted on the number pad.)

Battery Replacement

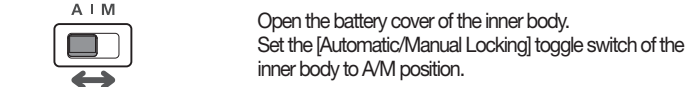
When the battery replacement alarm voice is heard, immediately replace all batteries with new ones.
- The unit will stop operating suddenly if the batteries are not replaced.

Warning

- Depending on battery manufacturer, date of manufacture, and the user environment, the duration of use may vary. (In the case of average use, given as 10 times a day, 8 AA alkaline 1.5V batteries can last for 10 months).
- Liquid leaks from batteries can damage the product. Check the batteries regularly (about every 6 months).
- Before the batteries are replaced after the battery replacement melody sounds, a menu function such as activating the registration/setting mode cannot be used.

Automatic/Manual Locking Setting

The Automatic Locking mode allows for automatic locking of the door when it is closed.



Automatic

The door is automatically locked 1 second after the door is closed.
If the battery low voltage voice message and an alarm sound are heard, replace the batteries. If the voltage of the door lock continues to be low, the door may not be locked.

Manual

The door does not automatically lock, and the [DOUBLE LOCK] button must be pressed from the inside or touch [number pad] to close the door.

Note

- Regardless of the automatic/manual locking setting, the door will automatically lock 7 seconds after the door lock is unlocked if the door is not opened.

Volume Setting

The sound that is generated when the number buttons are pressed, when the door is locked, or when the locked door is unlocked, can be set according to the user's preference.

When purchased, all sounds are set to be generated initially. (1 level)



- [0]: The sounds of door opening/closing and key touching are not deactivated (except an alarm sound).
- [1]~[2]: All sounds are activated, and the sounds get bigger as the step becomes higher.

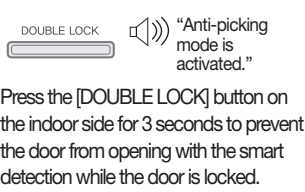
Door Bell Function

Approaching the door lock or touching the number pad (in the Welcome Function mode) when the door is closed will light up the number pad.
Pressing the door bell LED in the number pad LED generates a bell sound to let a user in the house know there is a guest.

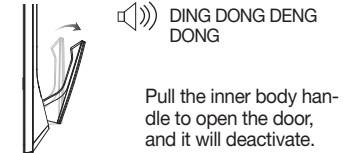
Security Assurance Mode Activation/Deactivation

At-home security mode is to prevent opening of the door from outside while someone is inside.

Security Assurance Mode Activation



Security Assurance Mode Deactivation

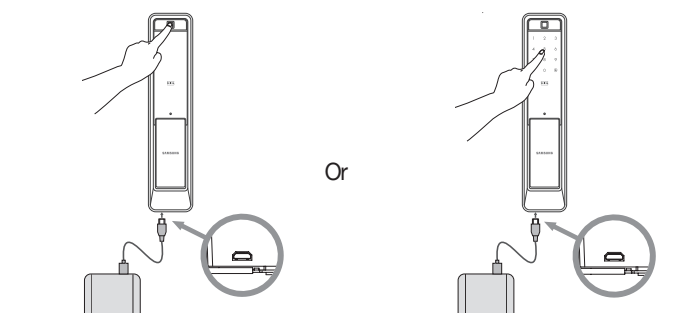


Emergency Power Use

If batteries are not replaced on time, they will be completely discharged and the lock will not operate.

How to open the door Using Emergency Power

By connecting the Micro USB 5-pin cable of a smartphone portable charger, an extra power can be used for the door lock.



Emergency Key Use

An emergency key is used when the door lock does not work because the battery replacement time comes or a circuit is wrong.
There is the emergency key hole on the emergency key insertion part on the bottom of the outer body.
Insert the emergency key and turn the key to release the lock.

Warning

- If you lose an emergency key, it is recommended to replace the entire key cylinder body. (Replacing the entire key cylinder body is paid by a user.)

Product Specifications

Item	Specifications	
Voltage	Four AA Alkaline 1.5 V batteries (LR6) (DC 6 V)	
Emergency Power Source	Smartphone portable charger with Micro-USB 5-pin connector (sold separately)	
Operation Method	Authentication method (password, key tag, fingerprint, NFC, WiFi)	
Weight	3.430 kg (including both inner and outer bodies)	
Product Dimensions (including the handle)	Outer Body	88mm (W) x 392.1mm (H) x 63.8mm (D)
	Inner Body	86.2mm (W) x 391mm (H) x 68.5mm (D)