Smartphone Interfacing Function
 Convenient door opening using the Bluetooth function of smartphones

Silent Mode
 When opening or closing, the sound of the key entering and the door opening will be suppressed.

Double Access Authentication Function
 Double authentication of a password and a fingerprint is applied to strengthen its security.

Welcome Function
 When a user pulls close to the door lock, the authentication module will automatically activate.

Security Assurance Function
 When someone is inside the house, authentication for entry from the outside will be prohibited.

Away Security Function
 When a user is inside the house, if the inside of the lock is used, an alarm is generated.

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

Voice Guide
 Guides each action by voice.

Door Opening from the Outside (password)

When purchased, the product is set to the Multi-Leveled Security Code Entry Mode.

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.

- When two random buttons are pressed, the number pad will be lit up.

2. General Mode

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

- When the numbers on the number pad are lit up, enter the master/user password, and press the [  ] button.

Opening the Door from the Outside (Fingerprint)

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

Opening the Door from the Outside (Key Tag)

- A locked door can be opened from outside by using a key tag.
- Place the registered key tag on the key tag detector.

Opening the Door from the Outside (Fingerprint)

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

Opening the Door from the Outside (Key Tag)

- A locked door can be opened from outside by using a key tag.
- Place the registered key tag on the key tag detector.

Safety Cautions

This section contains important information to ensure the user’s safety and prevent potential damage to property.

- The user shall not install or repair the product without authorization.
- Do not install the product in the place where the gap between the frame 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 excessive force or sharp objects to push the touch pads, as this can damage the product.
- Do not operate the product with wet hands, and keep liquids such as water or shampoo 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.

Note

- The information of this user manual may vary without any notices to improve the performance of this product.
- Customer’s improper installation may result in additional service costs. We highly recommend professional installation.

Product Components

The product components may vary depending on the installation environment.

Door Opening from the Outside (password)

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- When the numbers on the number pad are lit up, enter the master/user password, and press the [  ] button.

Opening the Door from the Outside (Fingerprint)

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

Opening the Door from the Outside (Key Tag)

- A locked door can be opened from outside by using a key tag.
- Place the registered key tag on the key tag detector.

Opening the Door from the Outside (Fingerprint)

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

Opening the Door from the Outside (Key Tag)

- A locked door can be opened from outside by using a key tag.
- Place the registered key tag on the key tag detector.
Adding/Deleting User Password/Deleting All User Passwords

A user can register a user password (4 to 12 digits). Up to 100 key tags can be registered. A user password registered can be deleted, or all user passwords can be deleted. A user password can be registered, deleted, or all passwords can be deleted (ESC 14443 Type A supported).

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.

3. Press New User Password

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

4. Press User Password to Delete

Press the user password and close the door.

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

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 (ESC 14443 Type A supported).

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

2. Select Key Tag Management


3. Connect the Key tag to Be Added

Connect the key tag to be registered additionally.


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

Managing a Wireless Module (optional)

You can purchase a wireless module sold by Samsung SDS and mount it to the wireless module mounting part. However, even though you purchase a proper Samsung SDS wireless module, it may not be used in a model that does not support modules. In such case, please contact the customer center before purchasing a wireless module to inquire about the wireless module type of your model.

1. Mount Wireless Module

Open the battery cover and remove the batteries. Open the module cover and mount a wireless module to the wireless module mounting part. Insert the batteries and close the battery cover.

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

3. Select Wireless Connection Setting

Press the [•] button.

4. Connect [Add a fingerprint]

Connect the key tag to be registered additionally.


6. Press the [•] button.

Managing a Wireless Module (optional)

You can purchase a wireless module sold by Samsung SDS and mount it to the wireless module mounting part. However, even though you purchase a proper Samsung SDS wireless module, it may not be used in a model that does not support modules. In such case, please contact the customer center before purchasing a wireless module to inquire about the wireless module type of your model.
[Registering Remote Controls]
Up to 3 remote controls can be registered (including household units).

4. Select Wireless Module Management

5. Register a Remote Control

[Wireless module connection/disconnection]

4. Enter Connection/Disconnection Mode from Controller

The Connection/Disconnection mode is activated from the controller.

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The Connection/Disconnection mode is activated from the controller.

[Multi-Level Security Code Entry Mode]

By pressing a password in order after two arbitrary numbers are authorized, a user can prevent password leak. By default, the multi-level security code entry mode is deactivated.

1. Enter Setting Mode

Select the Setting mode (see the Setting mode on page 14).


[Setting mode]

You can set various functions of the door lock. In the Setting mode, select a function (For the details of each function, refer to pages 15—20).

1. [Register] Button

In the Setting mode, select a function.

2. [Security] Button

Setting mode:

Welcome function setting: When a user gets close to the door lock, the authentication standby mode will be automatically activated.

Security mode setting: When someone is in front of the door lock for 1 minute or longer, an alarm sound is generated.

3. Ringing

When a user accesses a door lock, the door lock gets automatically in the authentication standby status even though the user does not touch the number pad or the fingerprint authentication part.

By default, the Welcome function is activated, the Security mode is deactivated, and the detection setting is set to Middle Distance.

1. Enter Setting Mode

Select the Setting mode (see the Setting mode on page 14).

2. Select Welcome Function Setting Mode

[Welcome Function Setting mode]

When a user is in front of the door, open the door lock automatically.

When a user is not in front of the door, close the door lock automatically.

[Cancel the welcome function]

When a user is not in front of the door, open the door lock automatically.

[Activate the Welcome Function and Deactivate the Security Mode]

When a user is in front of the door, close the door lock automatically.

Multi-Level Security Code Entry Mode

By pressing a password in order after two arbitrary numbers are authorized, a user can prevent password leak. By default, the multi-level security code entry mode is deactivated.

1. Enter Setting Mode

Select the Setting mode (see the Setting mode on page 14).


[Setting mode]

You can set various functions of the door lock. In the Setting mode, select a function (For the details of each function, refer to pages 15—20).

1. [Register] Button

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[Welcome Function Setting mode]

When a user is in front of the door, open the door lock automatically.

When a user is not in front of the door, close the door lock automatically.

[Cancel the welcome function]

When a user is not in front of the door, open the door lock automatically.

[Activate the Welcome Function and Deactivate the Security Mode]

When a user is in front of the door, close the door lock automatically.

Multi-Level Security Code Entry Mode

By pressing a password in order after two arbitrary numbers are authorized, a user can prevent password leak. By default, the multi-level security code entry mode is deactivated.

1. Enter Setting Mode

Select the Setting mode (see the Setting mode on page 14).


[Setting mode]

You can set various functions of the door lock. In the Setting mode, select a function (For the details of each function, refer to pages 15—20).

1. [Register] Button

In the Setting mode, select a function.

2. [Security] Button

Setting mode:

Welcome function setting: When a user gets close to the door lock, the authentication standby mode will be automatically activated.

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By default, the Welcome function is activated, the Security mode is deactivated, and the detection setting is set to Middle Distance.

1. Enter Setting Mode

Select the Setting mode (see the Setting mode on page 14).

2. Select Welcome Function Setting Mode

[Welcome Function Setting mode]

When a user is in front of the door, open the door lock automatically.

When a user is not in front of the door, close the door lock automatically.
Security Assurance Mode Activation/Deactivation

This mode is to prevent opening the door from outside while someone is inside.

Security Assurance Mode Activation

- Security Assurance Mode Operation
  - [Pinch prevention mode has been activated.]

- Pulling the handle of the inner body to open the door deactivates this mode.

Security Assurance Mode Deactivation

- When the security assurance function is activated, the door cannot be unlocked from the outside, so please be careful. Take special care to prevent children from accidentally setting this mode at the wrong time.

Away Mode Activation/Deactivation

To prevent intrusion when a user goes out, this function generates an alarm sound when an attempt is made to forcefully open the door from the inside. In the Away Security mode, if someone tries to open the door from the inside, a "beep-beep-beep" sound is generated for 5 minutes.

Away Mode Activation

- [Away mode is activated.]

- Opening the door by entering a password, registered key tag, fingerprint, with the [EXPAN] button of a remote control, or through Bluetooth deactivates this mode.

Away Mode Deactivation

- Once the door is locked, the [Away] button of a remote control, or enter a password, and then press the [Away] button.

Alarm Sound Deactivation

Open the battery cover of the inner body, and press the [Prepare] button or remove the batteries. Enter a registered fingerprint, authenticate a key tag, or enter a password, and then press the [Prepare] button.

Bluetooth Use Setting

You can open the door by running the application (Bluetooth function) of a registered smartphone (refer to Registration mode on page 12). By default, Bluetooth use is activated.

- Turn on the application of a smartphone that has Bluetooth function.
- Turn on the Bluetooth function.
- Search for and connect the product name.
- Open the Bluetooth Use Setting on the operation display.

- Press the [2] button.
- Press the [2] button.
- Press the [2] button.

Voice Language Setting

A user can select English or Chinese for voice guide. By default, the voice language is set to English.

1. Enter Setting Mode

- Select the Setting mode (see the Setting mode on page 14).

2. Select Language Setting

- By default, the voice language is set to English.
- “Ding dong” → “Press 1” and the asterisk sign for activation. “Press 2” and the asterisk sign for deactivation.

- Press the [3] button.
- Press the [3] button.
- Press the [3] button.

Prink Prevention Function

This function generates an alarm sound and deactivates lock operation when the door lock is improperly handled from the outside.

- If an unauthorized fingerprint/key tag is used or a wrong password is pressed five times in a row to open the door, an alarm sound is generated and the door lock is deactivated for 3 minutes.

High Temperature Alarm Function

If the indoor temperature increases abnormally, the temperature sensor detects it and an alarm is generated. (It is a default function, and cannot be activated/deactivated by the user.)

- The LED of the [DOUBLELOCK] button of the inner body blinks, 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 Replacing Batteries is Generated.

- When the door is opened by pressing a master/user password or recognizing a fingerprint and when the voice message, “Replace the batteries!” is heard, the batteries should be replaced.
- If the battery replacement melody and message sound are generated, the battery replacement LED is lit on the number pad.
- The unit will stop operating suddenly if the batteries are not replaced.

Automatic/Manual Locking Setting

The Automatic Locking mode activates the automatic locking function of the door when it is closed.

- Open the module cover of the inner body.
- Set the [Volume Control] switch at [0]~[2].

Manual

- The door is automatically locked when it is closed. It is locked when you press the [DOUBLELOCK] button of the inner body or touch the number pad of the outer body.

Sound Setting

The sound generated when a password is entered, when the door is locked, or when the locked door is unlocked can be set according to the user’s preferences. When purchased, all sounds are set to default (Level 1).

- Press the [1] button.
- Press the [8] button.
- Press the [3] button.

Emergency Battery Use

If batteries are not replaced after their replacement time comes, they will be completely discharged and the lock will not operate.

Open Door Using Emergency Battery

Purchase an emergency battery (LR6) at the nearest store.
- For an emergency battery, use ELR20 (9V) alkaline batteries.

Emergency Key Use

An emergency key battery is used when the door lock does not work because the battery replacement time comes or a circuit is wrong. The emergency key lock is viewable from the emergency key insertion port at the lower part of the outer body. Inserting an emergency key and turning it left and right can clear the locked state.

- When you have lost an emergency key, it is recommended to contact the Samsung SDS Customer Center for replacing the entire key cylinder (Replacing the entire key cylinder body is paid).