SAMSUNG SDS

Samsung SDS
Digital Door Lock

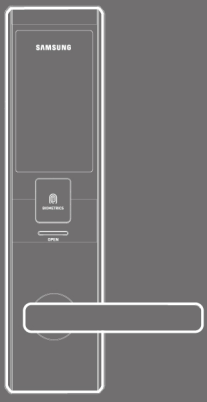
User Guide



Intelligent Digital Doorlock

The safety section of this manual 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.

SHS-H705



Product Features



Registered fingerprints can open the door

With a registered fingerprint, you can unlock the door.
Registering entire users' fingerprints will make entrance easier.
(Up to 100 fingerprints can be registered.)



Registered passwords can open the door

Register desired password, and use it to open the door.



Locked door can be easily opened from inside

From inside, the door can be opened simply by pushing the handle down.



Door has auto-lock function

Auto-lock allows the door to be locked automatically.



Double lock system is more secure

At night it is best to use double lock function to lock the door.



Protects from outside tampering

When trying to open the door with an unregistered fingerprint or password 5 times, the power will shut down for 3 minutes.



With the fire detection feature, it is possible to exit promptly and safely in case of a fire

When a fire breaks out from the inside and temperature exceeds normal, warning alarm will sound and the door will automatically open.

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Precautions

The following contents are designed to protect user safety and prevent loss and damage of their property. Please read this prior to use to ensure the product properly used.

Meaning of warning, caution, and reference



Warning Text
Provides user information to prevent physical damage.



Things to be Cautious of
Provides user information to prevent system error or system damage.



Things to Refer to
Provides additional information regarding each topic.

Meaning of each symbol



Indicates warnings or cautions.



Indicates banning miss-use of the product.



Indicates special instructions for the user.

Cautions regarding the installation

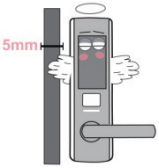
Do not install or disassemble on your own.

If user installs or repairs on his/her own accord, the company will not be responsible for any damage.



Do not install where the gap between door and door frame is bigger than 5mm.

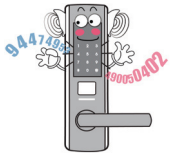
Might not work well if large gap exists.



Caution while in use

Do not let others know the password. Change it periodically.

This is done to prevent a potential break –in.



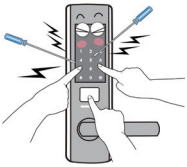
Please do not use the product with wet hands, and make sure that liquids such as water or a beverage do not get inside the product.

This may result in a malfunction or damage to the product.



Do not push the buttons excessively hard or with a sharp object.

This may result in a malfunction.



Please check if the door is locked before you leave.

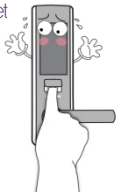
The company will not be responsible for accidents resulting from an unlocked door.



Caution while in use

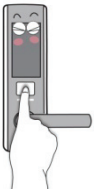
Take care not to trap your finger when the door is closing.

It is possible for a finger to get stuck and injured.



Do not push the cover excessively hard.

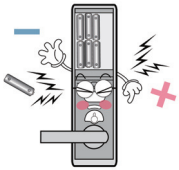
Product can be damaged and user could get hurt.



Cautions regarding repair and maintenance

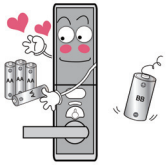
Insert batteries with correct +/– directions.

If the battery is not properly inserted, it might lead to leakage or explosion.



When replacing the batteries, please replace all the batteries at the same time, and do not use brand new batteries with used ones.

Product can be damaged or its lifespan can be reduced.



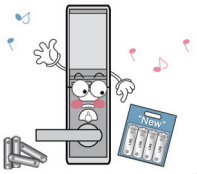
When cleaning the product, please do not use water, benzene, or alcohol; instead, please use a soft, dry cloth.

There is a risk of damaging the product.



When the product sounds to indicate the need for a battery change for the first time, please make sure to do so within one week.

If the batteries are not replaced on time, it may only be opened with the emergency key.



Read Before Use

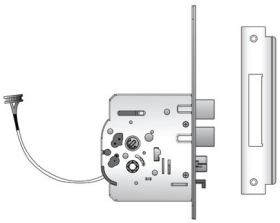
Product Composition



Outer body



Inner body



Mortise
(SHS-AML320)

Strike

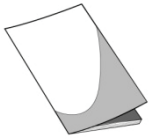
Or



Mortise
(SHS-AML220)

Strike box

Strike



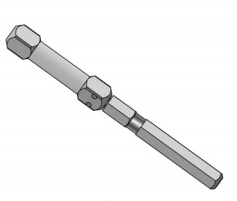
User Guide



'AA' Batteries (LR6)



Emergency Key (5EA)



Handle shaft



Handle shaft spring



Inner body holding panel and screws to ensure fixtures



Outer body holding panel and screws to ensure fixtures



Screw bolts to hold the fixtures from the inside

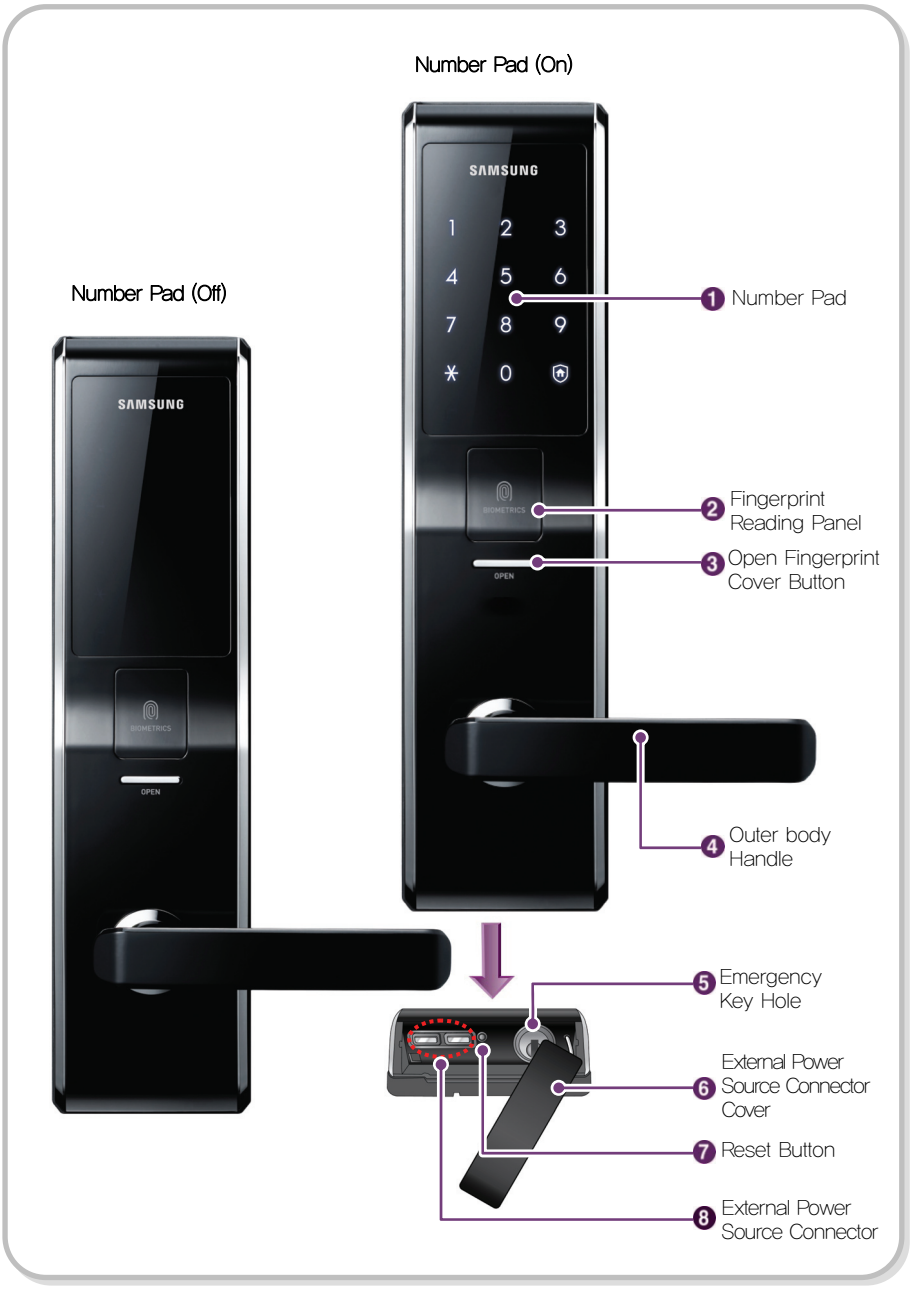


Screws for holding Strike

Note

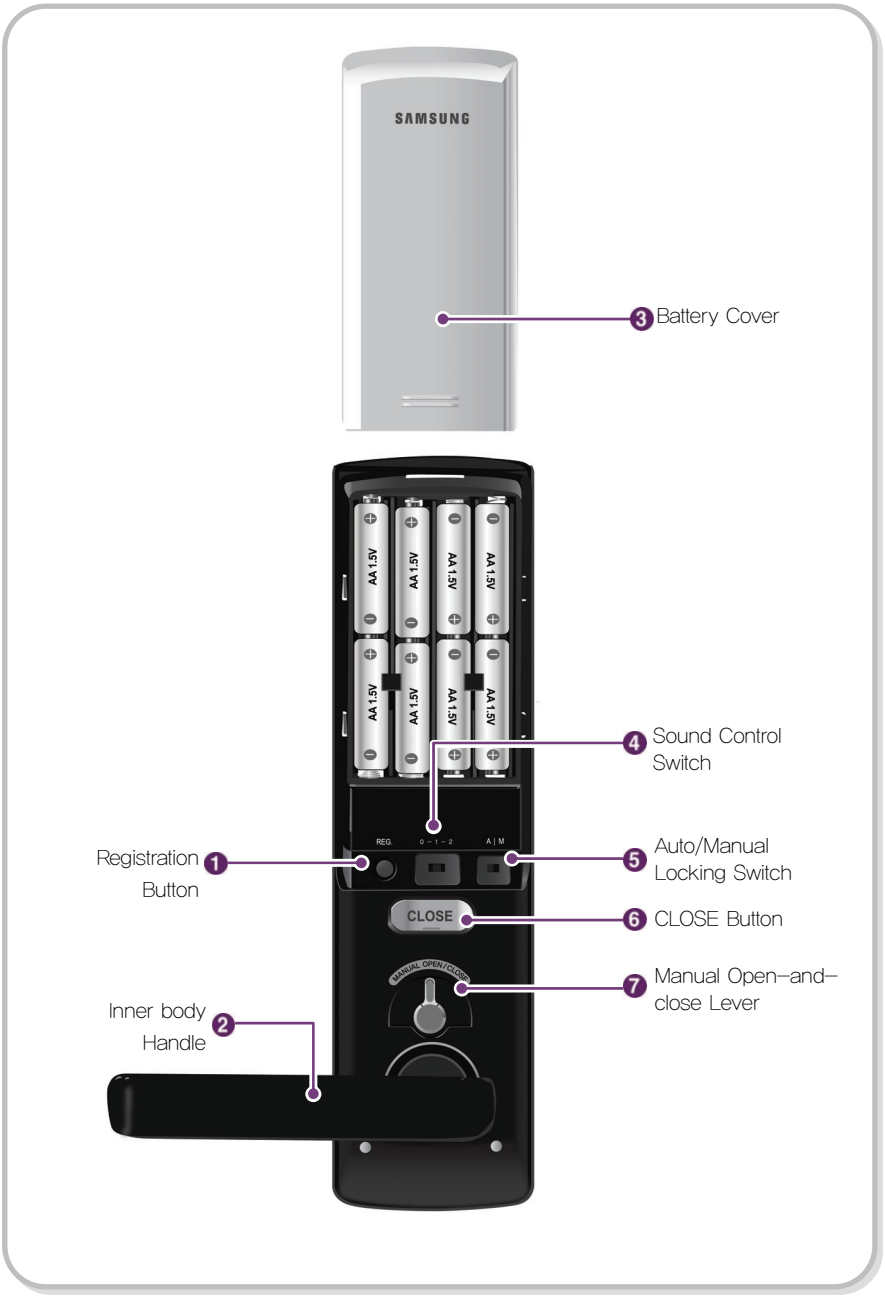
Product composition can be different depending on installation conditions.

Outer body Part Names



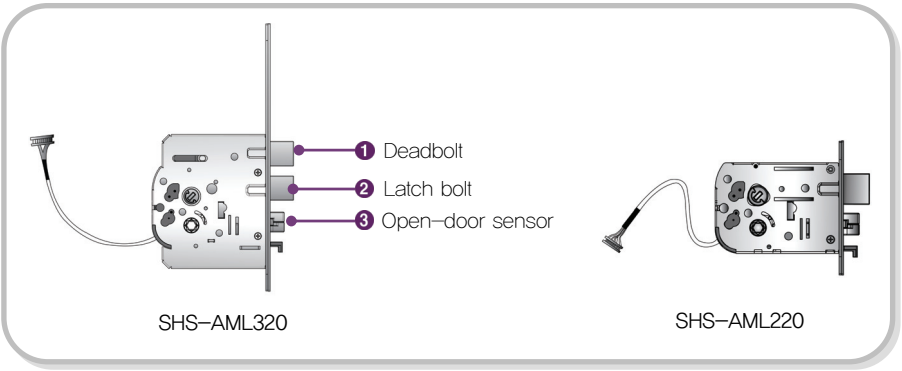
No.	Part	Function of each Description
1	Number Pad	Press to change master password or to select or delete it. Use number pad to enter the password and open the door.
2	Fingerprint Reading Panel	The place to register and scan the fingerprint.
3	Open Fingerprint Cover Button	Opens the cover on the fingerprint reading panel.
4	Outer body Handle	Allows opening of the door by pressing it down when the door is unlocked.
5	Emergency Key Hole	Allows the door to be unlocked with the emergency key and opened by turning outer body handle down when the battery is completely discharged or any electronic failure happens.
6	External Power Source Connector Cover	Covers and protects the power source connector.
7	Reset Button	Allows restart of the door lock when it does not respond to a registered fingerprint or touches on the number pad.
8	External Power Source Connector	Gives power in case of complete discharge of batteries with the connection of an emergency battery(use 9 volt battery).

Inner body Part Names



No.	Part	Function of each Description
1	Registration Button	Press to change password or to select or delete a fingerprint.
2	Inner body Handle	Allows the door to be opened when the door lock handle is pushed down.
3	Battery Cover	Protects the batteries and the registration button.
4	Sound Control Switch	Adjusts the sound volume for the door lock.
5	Auto-lock/Manual-lock Switch	It is used to switch between auto-lock and manual-lock. Place the switch on auto-lock and door locks automatically, while manual position does not lock door even if it is closed.
6	CLOSE Button	Allows the door to be locked from the inside or to start the double lock function.
7	Manual Open-and-close Lever	Locks or unlocks the door manually in case of an emergency or any electronic failure.

Mortise



※ The package includes SHS-AML320, but it would be able to substitute SHS-AML320 to SHS-AML220 depending on the door type.

No.	Part	Function of each Description
1	Deadbolt	Locks the door at the door frame.
2	Latch bolt	Holds the door and the door frame when the door is closed.
3	Open-door Sensor	Checks if the door is open or closed.

How to Replace Batteries

1. When the 'low battery' ring tone sounds

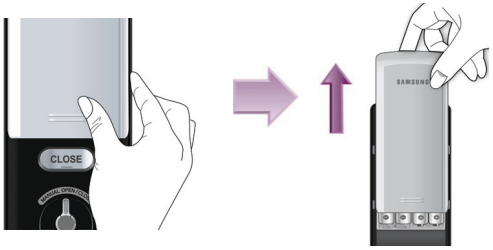


If the melody "Fur Elise" rings before the door opens, it is time to replace batteries (The Low battery indicator at the bottom of the number pad will light up).

Battery

Battery life span is different depending on its manufacturer, manufacturing date, and use environment. Use 8 1.5 volt AA Alkaline batteries.

2. Opening inner body cover



Press the battery cover lightly and push it in the direction of the arrow.

3. Replacing the batteries



8 AA batteries

Please replace the batteries with new ones within a week.

Caution

- If the batteries are not inserted in the right way, the door lock will not work.
- Leakage from the battery may harm the product, so please check the battery regularly (about once every six months).
- Until the batteries are replaced after the low battery ring tone, functions like register, change, or reset of password/fingerprint cannot be used.
- The product may shut down without warning if the batteries are not replaced promptly after the low battery ring tone.

How to Use Emergency Battery

1. When the door does not open and it is time to change the AA batteries

If not replaced, the door lock will not function normally.



Read fingerprint.

Or



Enter password.



Door is not opening properly.

2. Purchase a 9 volt battery

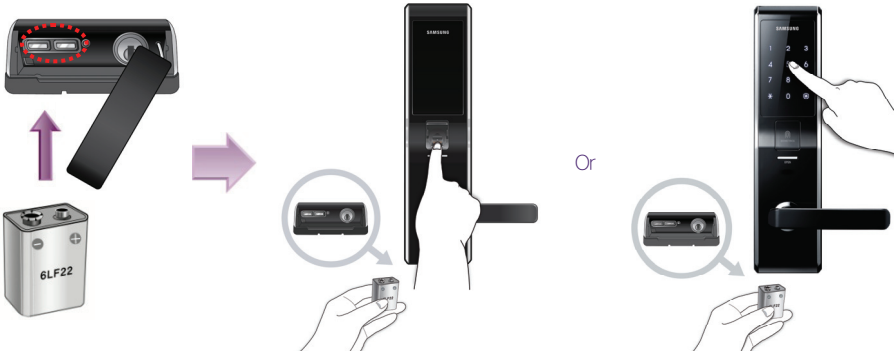


Purchase emergency battery (9 volt) at the nearest convenience store or electronics shop.

Caution

Use alkaline batteries that last longer than normal manganese batteries or rechargeable batteries.

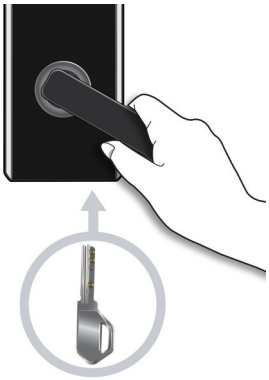
3. Opening the door using emergency battery



Remove the cover of the external power source connector, place 9 volt battery (emergency battery) at the connection point, and then place finger on the fingerprint reading panel.

How to Use Emergency key

Use emergency key when the batteries are dead or any electronic failure makes the door lock not work.



Turn Manual open–and–close lever left or right to lock or unlock.

– Works without battery.

Caution

– Please have at least 1 emergency key on hand.
– In case of missing emergency key, we recommend calling the customer support center to replace entire key cylinder (replacing will incur charge).
– After unlocking the door, take out emergency key from the key hole and keep it safe.

Basic Functions

This section explains ways to reset the data in the door lock system, ways to register password, fingerprint and other information, and ways to open / close the door.

How to Reset (master password, password, fingerprint)

Delete all data. When data is being reset, new master password will be '1234' and previously registered fingerprints and password will be deleted.

Note

– Reset the door lock data and re–register new password and fingerprint.
– Resetting can only be done while the door is open.

1. Opening the cover



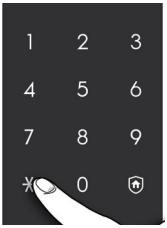
Press the battery cover lightly and push it in the direction of the arrow.

2. Press [Register] button



Press **[Register] button** for 3 seconds.
– Success: "ding dong ding dong" bell sounds

3. Entering reset number



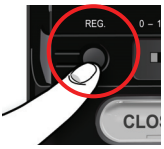
Press '4560852580' when the [Number Pad] lights up enter then press **[*] button.**
– Success: "ding dong" notice bell
– Fail: "ding dong ding dong" notice bell ring

How to Use Main Menu

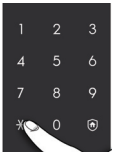
To setup door lock function, go to main menu.

Note

- To set up door lock function, go to main menu and set up in that mode.
- Default master password is '1234'.
- Main menu can only be accessed when the door is open.
- Press [✱] button to go to previous step.

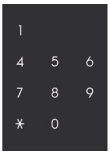


While the door is open, open up the battery cover from the inside and press **[Register] button** briefly.





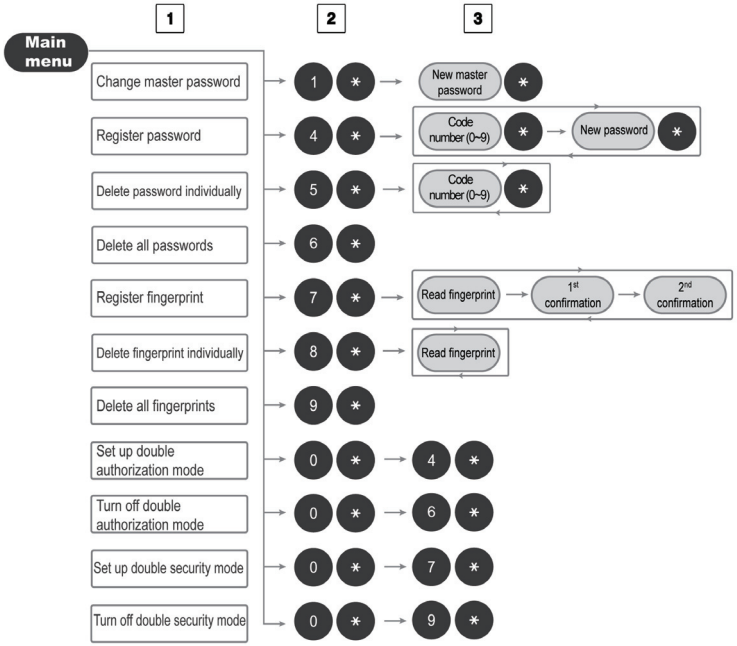
When the light comes on, on the number pad, enter the master password and press **[✱] button.**



The pad is in the main menu.

Summary of How to Select Modes

1. Enter the main menu.
2. Press menu code, then press **[✱]** button.
3. Select the function you want and press **[✱]** button.



How to Change Master Password

Master password must be 4~12 digits long, and only one can be designated as the master password.

Note

Changing master password can only work when the door is open.

1. Entering the main menu (refer to page 17)

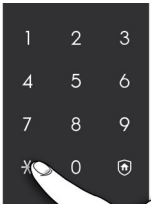
2. Selecting change master password menu



Ding dong

When the light comes on, on the number pad, press [1] and [*] button.

3. Entering new master password



Success: ding dong dang
Fail: ding dong ding dong

Enter the new master password (4~12 digits) and press [*] button.

- If the change is successful, the newly registered password will show up in order.
- To prevent theft, it is highly recommended to use a password with more than 6 digits. (Only numbers from 0 to 9 can be used.)

Note

- To check if the change is correct, press open-door sensor of Mortise while the door is open, and when the deadbolt is out follow the "open door from the outside" method.
- When the new master password is being entered, the same number as the old password or default password cannot be used any more.
- Do not let others know the password. Change it periodically to prevent break-in.
- Registered master password cannot be deleted, and can only be changed with new password or reset of everything (master password, password, fingerprints) and re-registration.

How to Register Password

Password must be 4~12 digits long and there can be up to 10 passwords.

Note

Password can only be registered when the door is open.

1. Entering the main menu (refer to page 17)

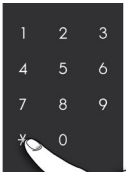
2. Selecting register password menu



Ding dong

When the light comes on, on the number pad, press **[4]** and **[*] button.**

3. Entering code number

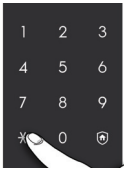


Ding dong

When the light comes on the numbers not yet registered, press the desired code number (0~9) and then **[*] button.**

– Already registered numbers cannot be shown, and to change them, refer to "delete password" section.

4. Entering password



Success: ding dong dang
Fail: ding dong ding dong

When the light comes on, on the number pad, enter the new password (4~12 digits).

– When the password is successfully entered, the newly registered password will show up in order.
– To prevent theft, it is highly recommended to use a password with more than 6 digits. (Only numbers from 0 to 9 can be used.)

Note

– To check if the change is correct, press open–door sensor of MORTISE while the door is open. When the deadbolt is out, follow the "open door from the outside" method.
– When the new password is being entered, the same number as the old password, other password, or reset code cannot be used.
– Do not let others know the password. Change it periodically to prevent break–in.
– If 20 seconds passed while entering the password, it will automatically turn off.
– More than one password can be registered.

How to Delete Password

Registered passwords can be deleted individually or all at once.

Note

Password can only be deleted when the door is open.

Individual delete

1. Entering the main menu (refer to page 17)

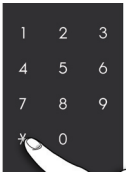
2. Selecting delete individual password menu



Ding dong

When the light comes on, on the number pad, press [5] and [*] button.

3. Entering code number to be deleted



Success: ding dong dang
Fail: ding dong ding dong

When the light on the code number that you wish to delete comes on, press it and then press [*] button.

– More than one password can be deleted.
– If there is no registered password, with fault alarm, main menu will appear.

Delete all

1. Entering the main menu (refer to page 17)

2. Selecting the delete all password menu



Ding dong dang

When the light comes on, on the number pad, press [6] and [*] button.

Note

To open the door when all passwords are deleted, use master password or fingerprint.

How to Register Fingerprint

Up to 100 fingerprints can be registered for use.

Note

Register fingerprint can only be done while the door is open.

1. Entering the main menu (refer to page 17)

2. Selecting register fingerprint menu



Ding dong

When the light comes on, on the number pad, press [7] and [*] button.

– If more than 100 fingerprints are being registered, with the warning bell, you will be returned to main menu.

3. Reading the fingerprint to be registered

LED light on



Ding dong

1st Confirmation



Peep

2nd Confirmation



Peep



Success: ding dong dang
Fail: ding dong ding dong

After the bell, the cover will open. When the light comes on, place finger on the fingerprint reading panel until 'beep' sound rings.

When the light comes on, check if the fingerprint is read correctly, place finger on the panel again until the 'ding dong dang' sound rings.

All confirmations have to be made for the completed registration.

Caution

– If the finger is damaged or dirty, the reading might fail, so register at least 2 fingerprints per person.

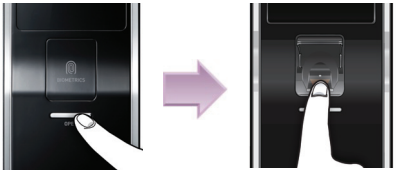
4. Registration completed



To complete the registration, press **[✱] button** or **[Open Fingerprint Cover]** to close the cover.

5. Fingerprint registration confirmation

Press **[Open Fingerprint Cover] button** to open the cover and place finger on the fingerprint reading panel.



Success: 1ding dong dang dong
Fail: ding dong ding dong



SHS- AML320

Or



SHS-AML220

To register additional fingerprint

Continuous Registration

To register multiple fingerprints, after the first fingerprint, place others within 20 seconds. When registering fingerprints continuously, if the finger is not in place within 20 seconds, the cover will close down automatically, finishing the session.

Later Registration

Press [✱] button to finish the registration of the fingerprint, and to add a fingerprint later, follow the steps for registering fingerprints.

Note

<How to place finger on the panel >

Correct way



Correct way to place the finger on the panel

Wrong ways



Moving finger excessively



Tilting finger to one side



Placing finger towards the outside



Placing finger too far in

How to Delete Fingerprint

Registered fingerprints can be deleted individually or all at once.

Note

Deleting fingerprint can only be done while the door is open.

Individual delete

1. Entering the main menu (refer to page 17)

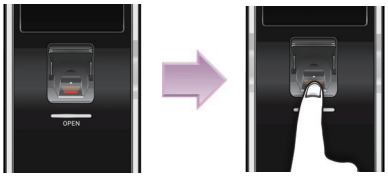
2. Selecting delete individual fingerprint menu



Ding dong

When the light comes on, on the number pad, press [8] and [*] button.

3. Reading the fingerprint that will be deleted



Success: ding dong dang
Fail: ding dong ding dong

When the cover opens and light comes on, place fingerprint that you wish to delete.

Delete all

1. Entering the main menu (refer to page 17)

2. Selecting delete all fingerprint menu



Ding dong dang

When the light comes on, on the number pad, press [9] and [*] button.

Note

- To open the door from the outside when all fingerprints are deleted, use emergency key or registered password.
- When deleting fingerprints individually, you can continuously delete, but if the fingerprint is not in place within 20 seconds, the cover will close and it will switch to main menu select mode.

How to Open the Door from the Outside (password)

1. Touching [Number Pad]



Touching **[Number Pad]** will light up the number pad.

2. Entering password

Double security mode



Press 2 buttons that are randomly lighted.



Success: ↑ding dong dang
Fail: ding dong ding dong

When the light comes on, on the number pad, enter the password and press **[*] button.**

Normal mode



Success: ↑ding dong dang
Fail: ding dong ding ding

When the light comes on, on the number pad, enter the password and press **[*] button.**

Note

- Password must be entered after the light is on, and if does not, touch **[Number Pad]** and re-enter.
- To cancel, press **[⌂] button** and re-enter.
- If the password is wrong 5 times, "peep" warning alarm will sound 20 times and the system will shut-down for about 3 minutes. When malfunction happens, "beep" will sound every 10 seconds, and stop mode will be turned off automatically after 3 minutes with multiple 'beeps'.

How to Open the Door from the Outside (fingerprint)

Use fingerprint to open the door from the outside. While the LED light is on, place the finger with the registered fingerprint in the correct way.

1. Pressing [Open Fingerprint Cover] button



The cover for the fingerprint reading panel will open when **[Open Fingerprint Cover]** button is pressed.

2. Reading fingerprint



Success: ↑ding dong dang
Fail: ding dong ding

When the LED light comes on, on **[Fingerprint Reading Panel],** place fingerprint and wait for about 1 second.

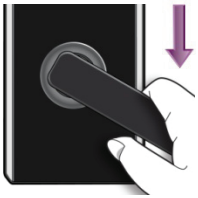


SHS– AML320

Or



SHS–AML220



When the door is unlocked, fingerprint reading panel cover will close, and door can be opened by pressing the handle downward.

Note

- If the fingerprint is not registered or if it is not read properly, "ding dong ding dong" warning bell will ring.
- If the reading fails, with the sound of 'ding dong ding dong', the cover will close in 5 seconds.
- When the finger is touching [Fingerprint Reading Panel], the cover will not close even after 5 seconds.

How to Open the Door from the Inside

Open the locked room from the inside using door lock handle.

Pulling down the Door Lock Handle



Rotate the door lock handle of the inner body downward.

Turning Manual open–and–close lever left and right



Turn Manual open–and–close lever left or right to lock or unlock.

– Works without battery.

How to Close the Door from the Outside

Touch [Number Pad]



If you go outside while in manual locking mode, touch **[Number Pad]** on the outer body.

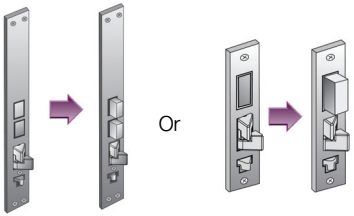
Press [Open Fingerprint Cover] button



If you go outside while in manual locking mode, touch **[Open Fingerprint Cover]** on the outer body.

How to Close the Door from the Inside

When setting up auto-lock



SHS-AML320 SHS-AML220

2 seconds after the door is closed, it will lock.

When setting up manual lock



Press **[CLOSE]** button or turn Manual open-and-close lever to lock the door.

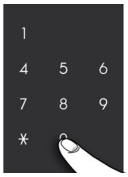
Additional Functions

How to Set Up Double Security Mode

Double security mode uses 2 temporary numbers and password to secure the password from being exposed.
To suit your needs, you can switch either to normal mode or to double security mode.

1. Entering the main menu (refer to page 17)

2. Select miscellaneous setup menu



Ding dong

When the light comes on, on the number pad, press **[0]** and **[*] button.**

3. Selecting mode



Ding dong
dang

[7]: double security mode
[9]: normal mode

After pressing button **[7]** or **[9]**, pressing **[*]** will turn on or off the authorization mode.

Note

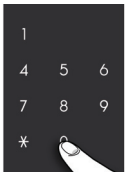
– Double security mode only works when the door is open.
– When purchased, the product is set to double security mode initially.

How to Set Up Double Authorization Mode

Double authorization mode requires both fingerprint and password to open the door, ensuring more security. You can either set up or cancel the function for your convenience.

1. Entering the main menu (refer to page 17)

2. Selecting miscellaneous setup menu



Ding dong

When the light comes on, on the number pad, press **[0]** and **[*] button.**

3. Selecting mode



Ding dong
dang

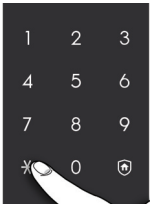
[4]: double authorization mode on
[6]: double authorization mode off

After pressing button **[4]** or **[6]**, pressing **[*]** will turn on or off the authorization mode.

Turn on double authorization mode



Touch **[Number Pad].**



Success: ding dong
Fail: ding dong ding dong

When the light comes on, on the number pad, enter the password and press **[*] button.**



Success: ↑ding dong dang dong
Fail: ding dong ding dong

When the **[Fingerprint Reading Panel]** lights up, it will read the fingerprint. When the authorization is success, the door will open.

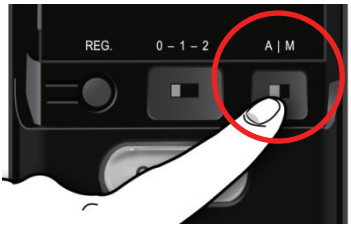
Note

- The setup of double authorization mode only works when the door is open.
- When purchased, the product is not set to double authorization mode initially.
- To setup the double authorization mode, more than 1 fingerprint must be registered.
- Double authorization mode will automatically be turned off when all fingerprints are deleted.

How to Set Up Auto/Manual Lock

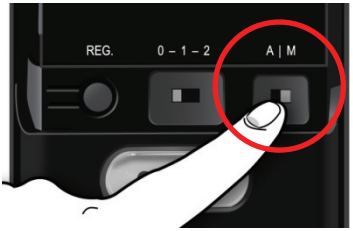
When the door is closed, auto-lock function can be set up.

Auto-lock setup



Place **[Auto/Manual Lock]** switch to 'Auto'

Manual-lock setup



Place **[Auto/Manual Lock]** switch to 'Manual'

Note

Difference between auto-lock and manual-lock

- Auto-lock: The door will lock after 2 seconds.
  However, if the battery is completely discharged, the product will not function.
- Manual-lock: The door does not lock automatically, and **[CLOSE] button** must be pressed from the inside, touch **[Number Pad]**, or touch **[Open Fingerprint Cover]** -lock button to close the door.

Caution

The door will not lock automatically in manual lock mode, so please make sure you lock the door for your safety.

Note

- If the deadbolt comes out automatically when the door is open and the Mortise's open-door sensor is pressed, then the auto-lock function is on.
- If the door is opened while auto-lock is on, "peep" sound will ring twice every 15 seconds.
- If the door is not open within 7 seconds from being unlocked, it will be re-locked.

How to Set Up and Turn Off Sound

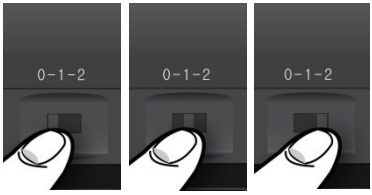
Use number pad to adjust the volume for opening and closing the door.

Sound function setup

When purchased, the product is set so that all sounds are turned on initially.



Open the battery cover



Sound function
[0]: mute **[1]:** quiet **[2]:** loud

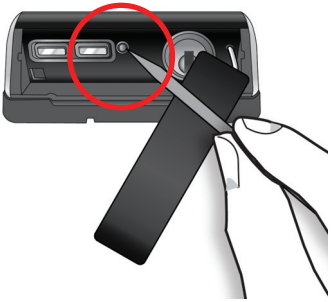
Place **[Sound Control]** switch at the place of [0], [1], or [2] and close the battery cover.

Note

Operation of sound function

– **[0] button**: no sound will ring (except the warning bell).
– **[1] ~ [2] buttons**: all sounds will ring and will get louder as the level increases.

Reset Function



When nothing happens even after pressing **[Open Fingerprint Cover] button** or touching **[Number Pad]**, press **[Reset] button** to restart the door lock.
On the cover at the bottom of the outer body, there is a reset button. Press it with a thin pin.

– Please contact the customer support center if the doorlock does not work even after pressing the reset button.

Warning Alarm / Emergency Alarm

When the alarm sounds (temper protection function)

Function that stops door lock with the warning alarm when the lock is not working properly.

Fingerprint, password error



Peep (20 times)

When trying to open the door with fingerprint that is not registered or an incorrect password 5 times.
After the warning bell, door lock will not work for 3 minutes. When malfunction happens, "beep" will sound in every 10 seconds, and stop mode will be turned off automatically after 3 minutes with multiple 'beeps'.

How to turn off the alarm

[Inside]

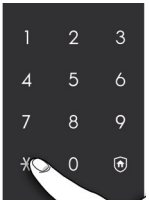


Press **[CLOSE]** or **[Register] button** and press the handle downward.

[Outside]



Or



After placing registered fingerprint or enter password, press **[*] button.**
Turning off the warning bell is only allowed within 10 seconds of the bell starting to ring.

How to set up anti-theft function

Function that allows alarm to be rung in case the door lock is manipulated from the inside.

Setting up anti-theft function



When the door is closed **[⌂]** of the outside body's number pad will light up.



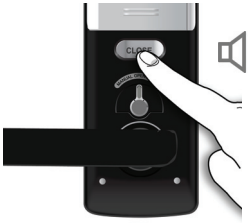
Pressing the **[⌂] button** within 3 seconds activates the anti-theft function.

Note

Anti-theft will automatically shut off if a registered password or fingerprint is entered.

Using Anti-theft function

[Inside]



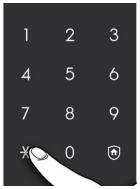
If **[CLOSE] button** is pressed from the inside or if someone tries to open the door using door lock handle, alarm will sound for 5 minutes.

Turning off anti-theft function

[Outside]



Or



After placing registered fingerprint or entering password, press **[*] button**.

Intruder-detecting function

Function that can ring the alarm for forced entry from both inside and outside of the room.
As a default function, it cannot be turned on or off separately.


SHS-AML320

Or


SHS-AM220

Peep (5 minutes)

When the door is open with force while it is closed, the open-door sensor will detect it and trigger the alarm.

How to turn off emergency alarm

[Inside]



Or

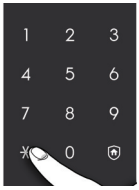


Open the battery cover and take out batteries or press **[Register] button.**

[Outside]



Or



After placing registered fingerprint or entering password, press **[✱] button.**

Fire detection feature

In case of a fire, this function allows a prompt exit by sounding an alarm. (Fire detection has been set as default, and user cannot turn it off randomly)



Peep (15 seconds)

In case of a fire, temperature sensor will detect and the alarm will sound with the blink of **[CLOSE] button.**
After the warning alarm, the door will open automatically. When room temperature drops below a certain degree, the door lock will function normally.

Note

The fire detection feature operates at around 70℃, although there may be some differences depending on the environment.

How to use double lock

Double lock system is to allow no outsider to open the door.

Setting up double lock

[Inside]



Ding dong dang

Press **[CLOSE] button** from the inside for 2 seconds while the door is closed.

Turning on double lock

[Inside]



Peep

The sound for double locking will ring when **[CLOSE] button** is pressed.

[Outside]



Peep



Touch **[Number Pad]** or press **[Open Fingerprint Cover]** will ring the double lock bell, LED for double lock at the bottom-left of number pad will turn on, and door will not be opened.

Turning off double lock

[Inside]



↑ding dong dang dong

Press the door handle down or turn Manual open-and-close lever left and right to turn off double lock mode.

Caution

Only emergency key can open the door from the outside while double lock system is on. Please make sure that children do not randomly change the settings from the inside.

Troubleshooting

If door lock part does not work properly, check the listed cases below.
Contact your nearest customer support center if the problem continues.

Power

Problem	Troubleshooting	Reference
Power is not coming on.	– Please check to make sure that the battery is functional and that it is placed in the correct position. – Check if the battery is inserted in the correct way, or if it is completely discharged.	Pages 13~14

Password/fingerprint

Problem	Troubleshooting	Reference
Password has not been registered.	– Situation where time has passed while changing password. The light on the number pad must be on while you are changing the password. And next number must be entered within 20 seconds after the first one. – If the batteries are discharged, please replace them. – Refer back to user guide's 'How to register password' section and try again.	Page 19
Fingerprint has not been registered.	– Fingerprint must be placed correctly on the panel while the light is on. – To register multiple fingerprints, after the first fingerprint, place next one within 20 seconds.	Pages 21~22
Cannot open the door after entering password and pressing [*]	– Check if the registered password has been entered correctly. – Password must be entered when the light is on or else it will not work, and if it is not, touch [Number Pad] and re-enter while the light is on. (The backlight on the number pad will turn off automatically if untouched for 5 seconds.)	Page 24
Fingerprint cannot open the locked door.	– It is the case where either the fingerprint is not registered or not read correctly. Check if the fingerprint is registered and wash your finger and try again. – To open the door, place finger on the fingerprint reading panel for about 1 second.	Page 25

Password/Fingerprint

Problem	Troubleshooting	Reference
Cannot open the door using password or the fingerprint.	– Password and fingerprint cannot open the door while double lock system is on. If you touch **[Number Pad]** while the double lock system is on, "peep" sound will ring.	Page 35
Password or fingerprint is confirmed, but the door is not opening.	There might be an error with locking system. Contact the customer support center.	–

Auto–lock

Problem	Troubleshooting	Reference
The door will not lock automatically even after closed.	– Check if the system is in auto–lock mode. In manual–lock, touching **[Number Pad]** of **[Open Fingerprint Cover]** button will lock the door. – If the door is not locked in auto–lock mode, the doorlock is not installed properly. See digital doorlock company for the reinstall. – Auto locking function does not work when the battery is completely discharged. See if it is the case.	Page 30

Warning alarm

Problem	Troubleshooting	Reference
When **[Open Fingerprint Cover]** button is pressed, the warning bell 'peep peep' will ring.	**[Open Fingerprint Cover]** button will sound while the double lock system is on. Please check if it is on and turn it off before you use.	Page 35
When door lock operates, the melody (Fur Elise) will be played continuously.	The sound indicates the need for a battery change. Please replace the batteries with new ones within a week.	Page 13

Summary of Usage

※Reset, register or change, and delete are only allowed while the door is open.

Function	Default value	Setting up or turning off (press in order)
Resetting (deleting master password, all passwords, all fingerprints)	–	Press and hold the registration ● button for three seconds. → Input the number '4560852580' → Press [*] button. ※ The master password after reset is '1234'.
How to use main menu		Press registration ● button briefly. → Enter the master password and then press [*] button.
Changing master password	Default master password or '1234'	Press registration ● button briefly. → Enter the master password, press [*] button → press [1] and then press [*] button again. → Enter the new master password + [*] button
Registering password	No default value	Press registration ● button briefly. → Enter the master password, press [*] button → [4] + [*] button → Enter code number (0~9) + [*] button → Enter new password + [*] button
Deleting password individually		Press registration ● button briefly. → Enter the master password, press [*] button → [5] + [*] button → Enter code number to be deleted (0~9) + [*] button
Deleting all passwords		Press registration ● button briefly. → Enter the master password, press [*] button → [6] + [*] button
Registering fingerprint		Press registration ● button briefly. → Enter the master password, press [*] button → [7] + [*] button → Place fingerprint to register, read the fingerprint → 1st confirmation → 2nd confirmation → registration ● button
Deleting fingerprint individually		Press registration ● button briefly. → Enter the master password, press [*] button → [8] + [*] button → Place fingerprint to delete → registration ● button
Deleting all fingerprints		Press registration ● button briefly. → Enter the master password, press [*] button → [9] + [*] button
Opening the door from the inside	–	Door lock handle: Press down the inside body's doorlock handle.
Closing the door from the inside	–	Auto-lock: Door automatically locks. Manual lock: press [CLOSE] button.

Function	Default value	Setting up or turning off (press in order)
Opening the door from the outside	Double security mode / double authorization mode off	Fingerprint: Press [Open Fingerprint Cover] button → Read from fingerprint reading panel Password: Touch [Number Pad] → Enter 2 temporary numbers → Press password enter → ✱ button Emergency key: Put the key through the hole and turn left and right.
Closing the door from the outside	–	Auto-lock: door automatically locks. Manual lock: Touch [Number Pad] or press [Open Fingerprint Cover] button
Setting up auto-lock	Auto-lock	Place [Auto/Manual Lock] switch at 'Auto-lock'
Setting up manual lock		Place [Auto/Manual Lock] switch at 'Manual-lock'
Setting up double security mode	Double security mode	Press registration button briefly. → Enter the master password, press ✱ button → 0 + ✱ button → 7 + ✱ button
	Normal mode	Press registration button briefly. → Enter the master password, press ✱ button → 0 + ✱ button → 9 + ✱ button
Setting up double authorization mode	Setup	Press registration button briefly. → Enter the master password, press ✱ button → 0 + ✱ button → 4 + ✱ button
	Turning off	Press registration button briefly. → Enter the master password, press ✱ button → 0 + ✱ button → 6 + ✱ button
Sound setup / turn off	–	Place [Sound Control] switch at the place of **[0], [1],** or **[2]**
Setting up anti-theft function	–	Press button within 3 seconds after the door is locked.
Turning off anti-theft function		Enter password or read fingerprint.
Turning off the warning alarm from the inside	–	Press [register] button.
Turning off the warning alarm from the outside.		Entering password or reading fingerprint.
Setting up double lock	–	Press [CLOSE] button for more than 2 seconds while the door is closed.
Turning off double lock	–	Press the door lock handle down or turn Manual open-and-close lever to open the door.

Product Specifications

Category	Specifications	
Standard Power Source	8 AA Alkaline batteries (1.5V, LR6)	
Emergency Power	9 V battery (6LF22) (not included)	
Working Mechanism	Electronic control system (enter password or read fingerprint)	
Weight	2.6kg (including both inner body and outer body)	
Product Size	Outer body (including body parts and door handle)	81.3 mm(W)×318 mm(H)×75 mm(D)
	Inner body (including the door handle)	79 mm(W)×290 mm(H)×80.3 mm(D)

The contents of the user guide may be changed without prior notification for the purpose of enhancing the product usage.

LIMITED PRODUCT WARRANTY

Installation of the product is considered acceptance of warranty conditions

SAMSUNG SDS CO., LTD (SAMSUNG SDS) warrants its products to be free from manufacturing defects in materials and workmanship for 12 months from the date of purchase. SAMSUNG SDS will, within said period, at its option, repair or replace any product failing to operate correctly without charge to the original purchaser or user.

This warranty shall not apply to any equipment, or any part thereof, which has been repaired by others, improperly installed, improperly used, abused, altered, damaged, subjected to acts of God, or on which any serial numbers have been altered, defaced or removed. SAMSUNG SDS does not warrant the performance or sale conditions of the seller/installer.

There are no warranties, express or implied, which extend beyond the description on the face hereof. There is no express or implied warranty of merchantability of a warranty of fitness for a particular purpose. Additionally, this warranty is in lieu of all other obligations or liabilities on the part of SAMSUNG SDS.

Any action for breach of warranty, including but not limited to any implied warranty of merchantability, must be brought within the six months following the end of the warranty period. In no case shall SAMSUNG SDS be liable to anyone for any consequential or incidental damages for breach or this or any other warranty, express or implied, even if the loss or damage is caused by the seller's own negligence or fault.

SAMSUNG SDS shall have no obligation under this warranty, or otherwise, if the product has been repaired by others, improperly installed, improperly used, abused, altered, damaged, subjected to accident, nuisance, flood, fire or acts of God, or on which any serial numbers have been altered, defaced or removed. SAMSUNG SDS and its distributor will not be responsible for any dismantling, reassembly or reinstallation charges. This warranty contains the entire warranty. It is the sole warranty and any prior agreements or representations, whether oral or written, are either merged herein or are expressly cancelled. SAMSUNG SDS neither assumes, nor authorizes any other person purporting to act on its behalf to modify, to change, or to assume for it, any other warranty or liability concerning its products. In no event shall SAMSUNG SDS be liable for an amount in excess of SAMSUNG SDS's original selling price of the product, for any loss or damage, whether direct, indirect, incidental, consequential, or otherwise arising out of any failure of the product. Seller's warranty, as hereinabove set forth, shall not be enlarged, diminished or affected by and no obligation or liability shall arise or grow out of Seller's rendering of technical advice or service in connection with Buyer's order of the goods furnished hereunder.

SAMSUNG SDS recommends that the entire system be completely tested weekly.

Warning: Despite frequent testing, and due to, but not limited to, any or all of the following; criminal tampering, electrical or communications disruption, it is possible for the system to fail to perform as expected. SAMSUNG SDS does not represent that the product/system may not be compromised or circumvented; or that the product or system will prevent any personal injury or property loss by burglary, robbery, fire or otherwise; nor that the product or system will in all cases provide adequate warning or protection. A properly installed and maintained alarm may only reduce risk of burglary, robbery, fire or otherwise but it is not insurance or a guarantee that these events will not occur.

Consequently, seller shall have no liability for any personal injury, property damage, or other loss based on a claim the product failed to give warning.
Therefore, the installer should in turn advise the consumer to take any and all precautions for his or her safety including, but not limited to, fleeing the premises and calling police or fire department, in order to mitigate the possibilities of harm and/or damage. SAMSUNG SDS is not an insurer of either the property or safety of the user's family or employees, and limits its liability for any loss or damage including incidental or consequential damages to SAMSUNG SDS's original selling price of the product regardless of the cause of such loss or damage.

Some states do not allow limitations on how long an implied warranty lasts or do not allow the exclusion or limitation of incidental or consequential damages, or differentiate in their treatment of limitations of liability for ordinary or gross negligence, so the above limitations or exclusions may not apply to you. This Warranty gives you specific legal rights and you may also have other rights which vary from state to state.

In case of the product defect, contact our authorized Customer Service Center. In order to exercise the warranty, you must contact our authorized Customer Service Center and obtain a proper RMA # - the product must be returned to our authorized Customer Service Center at user's shipping expense and the replacement product will be shipped back at our expense.

For product service, the product in all cases must be accompanied by below warranty form. Customer must ask the reseller or installer to fill out the warranty form indicated below, otherwise the product warranty may be considered void.

Visit our website at www.samsungsds-nss.com/en and go to Support menu to find the contact information of our worldwide distributors.

Date of Purchase or Installation : _____ (MM/DD/YY)

Name, telephone and full address of purchaser : _____

_____

_____

Stamp or Signature of authorized reseller / installer

Product Code and Serial Number :

_____

_____

产品特征



可用指纹开启。

可使用指纹将门锁打开。先将全家人的指纹进行设定，即可仅靠指纹将门打开。(共可设定100枚)



可用密码开启。

注册密码后，无需钥匙，输入注册过的密码即可开门。



可使用应急功能迅速开门。

从室内开门时，无需其它操作，直接压下把手即可打开。



无需另外锁门。

使用自动锁门功能，关门即自动上锁，无需再另外锁门。



具备双重锁门功能，更加安全。

需要格外安全保护的时间（如夜间），利用双重锁门功能，无法从屋外开门，因此更加安全。



可防止小孩和其他人的恶作剧。

使用未设定的电子卡、钥匙挂牌或连续5次输入密码错误时，门锁会发出警报并自动断电3分钟。



具有火灾感知功能，火灾时能安全躲避。

室内发生火灾，室内温度上升到一定程度以上时，门锁会自动发出警报并打开大门。

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安全注意事项

为保证用户安全，避免给用户带来财产损失及使用不便，请务必仔细阅读以下内容后正确使用本产品。

警告、注意、参考的意义



警告内容

为防止用户受到伤害应遵守的内容。



注意内容

为防止门锁故障或受损用户应遵守的内容。



参考内容

对本文进行补充的内容。

各种标识说明



表示警告或注意。



表示禁止操作。



提示用户执行特定的操作。

安装注意事项

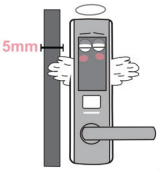
禁止用户任意安装或修理本产品。

产品因用户任意安装或修理受到损坏，本公司概不负责。



安装时，门与门框之间的间距不能超过5㎜以上。

门与门框之间的间距过宽，会导致门锁无法正常工作。



使用时注意事项

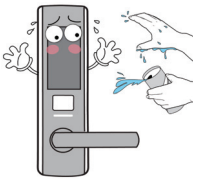
请小心管理密码，并定期更换密码，以免他人知道。

有被盗窃的危险。



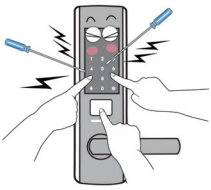
禁止用湿手操作本产品，防止水、饮料等液体进入锁体内部。

产品可能会受到损坏或发生故障。



禁止过度用力或用尖锐的器具按电子锁的按键。

易引起锁体故障。



外出时请务必确认门是否完全上锁。

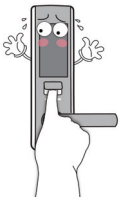
因未正确锁门发生的损失，本公司概不负责。



使用注意事项

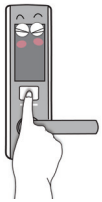
打开或关闭指纹盖板时，请小心夹到手指。

本产品的缝隙有夹到手指的危险。



禁止用力按压指纹盖板。

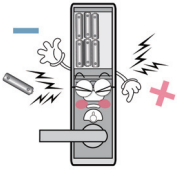
会造成产品受损或夹到手指。



维护注意事项

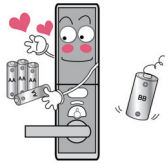
请按照电池正负极（+/−），正确安装电池。

若电池正负极装反，会导致电池漏液或破裂。



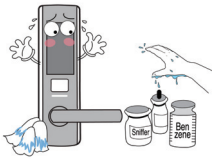
电池寿命已尽时，请同时更换所有的电池，禁止新旧电池混合使用。

会缩短产品寿命或引发产品故障。



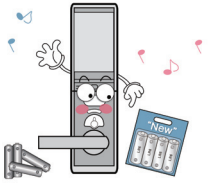
请使用柔软的布清洁锁体，禁止使用水、苯、酒精擦拭本产品。

易引起产品故障。



产生电池更换警报音后，请务必在一周之内及时更换新电池。

不更换电池继续使用时，锁体可能会突然停止工作。



使用前须知

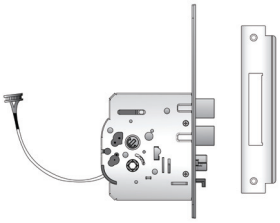
产品构成



室外侧锁体



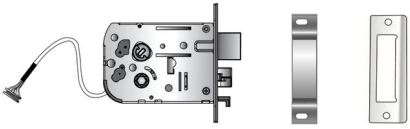
室内侧锁体



锁芯总成(Mortise)
(SHS-AML320)

盖板

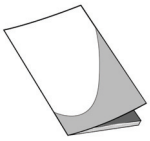
或



锁芯总成(Mortise)
(SHS-AML220)

锁盒盖

盖板



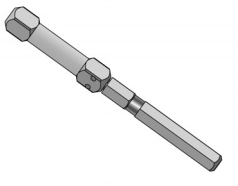
使用说明书



'AA' 电池(LR6)



应急钥匙(5 个)



把手连接杆



连接杆扣环



固定嵌板与室内侧锁体的固定螺丝



固定嵌板与室外侧锁体的固定螺丝



室内侧固定螺丝

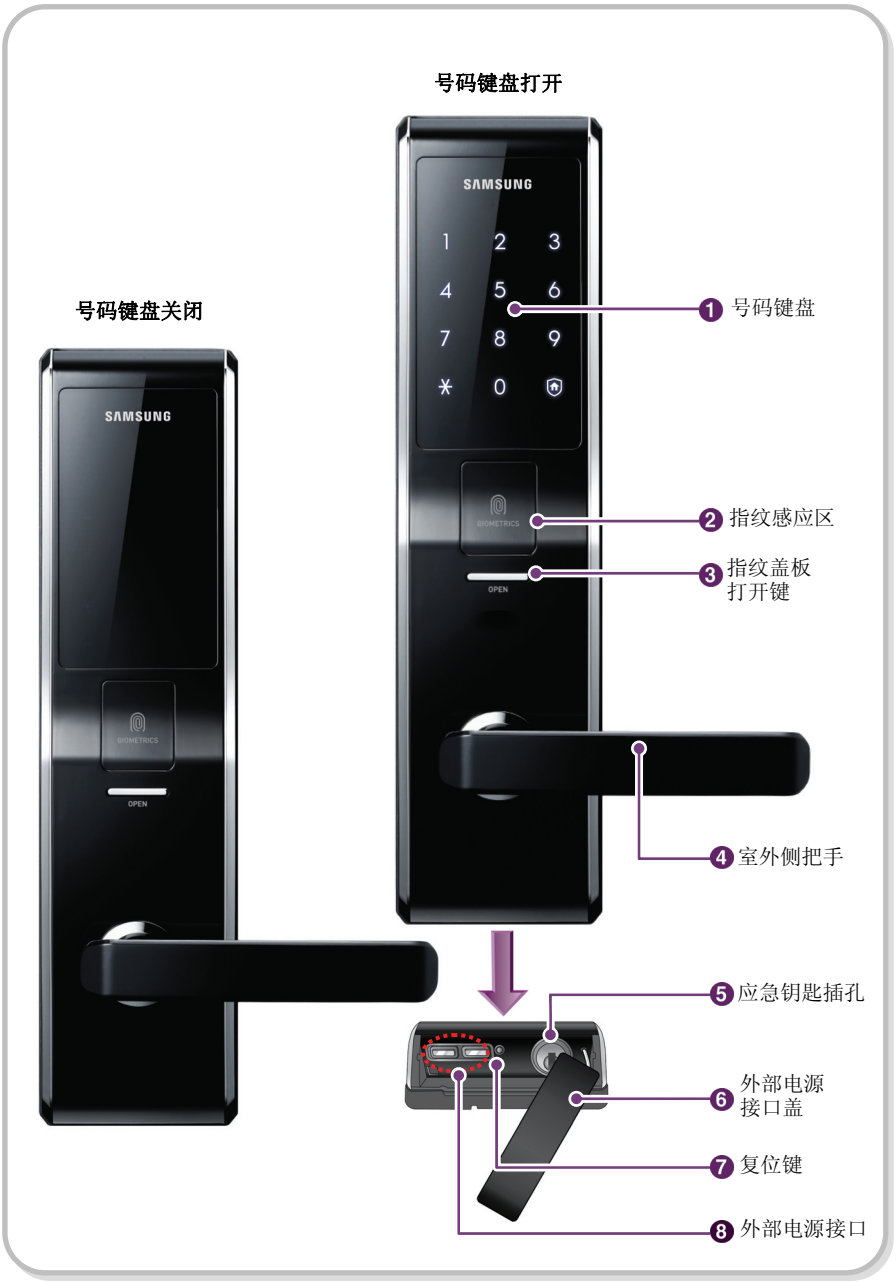


盖板固定螺丝

Note

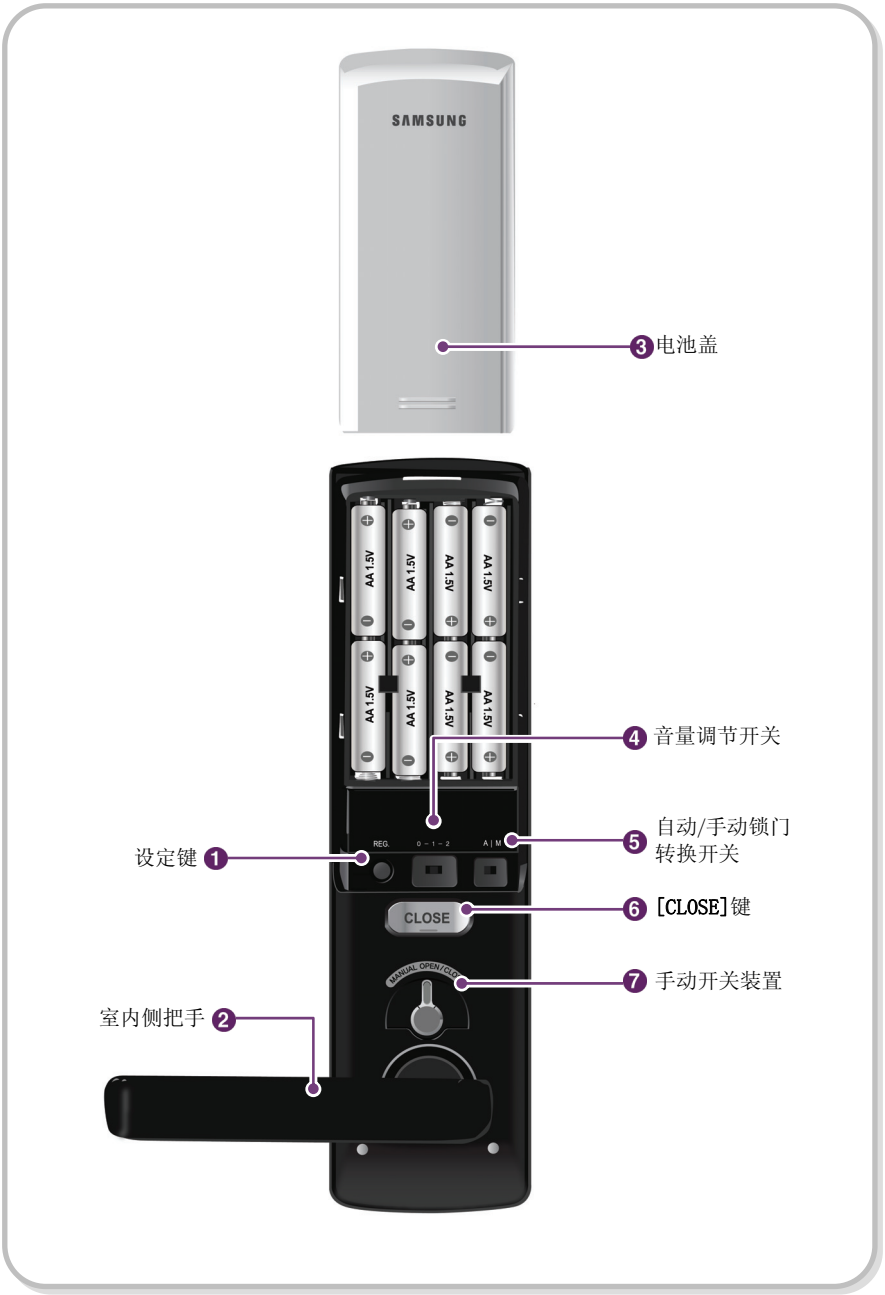
因安装的环境不同，产品零部件会有差异。

室外侧锁体名称


号码键盘打开
号码键盘关闭
SAMSUNG
1 2 3
4 5 6
7 8 9
* 0
BIOMETRICS
OPEN
1 号码键盘
2 指纹感应区
3 指纹盖板
打开键
4 室外侧把手
5 应急钥匙插孔
6 外部电源
接口盖
7 复位键
8 外部电源接口

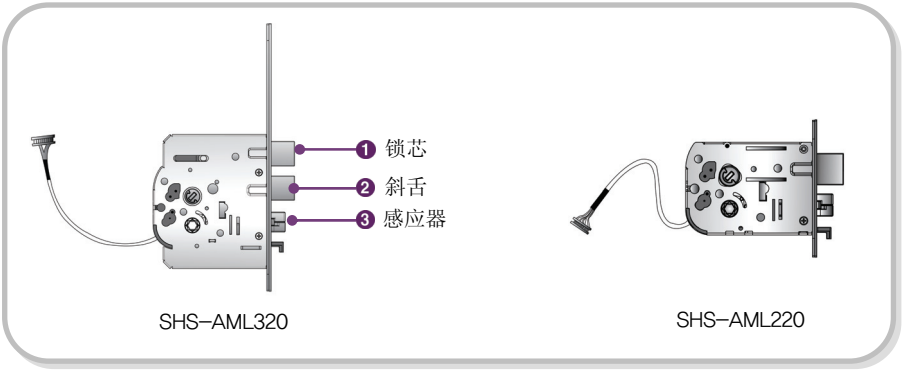
号码	名称	功能说明
1	**号码键盘**	更改Master密码或设定及删除密码时输入数字用。 可使用号码键盘输入已设定的密码，打开门锁。
2	**指纹感应区**	为打开门锁识别指纹的部位。
3	**指纹盖板打开键**	输入指纹时可打开指纹感应区盖板。
4	**室外侧把手**	在解除上锁状态下，压下室外侧锁体的把手，即可将门打开。
5	**应急钥匙插孔**	当电池用完或其它电路异常不工作时，用应急钥匙打开锁，压下室外侧锁体的把手，即可将门打开。
6	**外部电源接口盖**	保护外部电源接口的盖板。
7	**复位键**	使用设定的指纹或触摸号码键盘锁体没有反应时，按下复位键可以重新启动门锁。
8	**外部电源接口**	当电池用完时，接入应急用电池，即可接通电源。（使用9V电池）

室内侧锁体名称


SAMSUNG
3 电池盖
AA 1.5V
4 音量调节开关
设定键 1
REG.
0 ~ 1 ~ 2
A | M
5 自动/手动锁门
转换开关
CLOSE
6 [CLOSE]键
MANUAL OPEN / CLOSE
7 手动开关装置
室内侧把手 2

号码	名称	功能说明
1	**设定键**	更改密码、设定指纹时点击的按键。
2	**室内侧把手**	在室内握住门锁把手，下压即可将门打开。
3	**电池盖**	保护电池和设定键的盖板。
4	**音量调节开关**	调节门锁声音的开关。
5	**自动/手动锁门转换开关**	自动锁门和手动锁门转换时使用的开关。 置于自动位置，关门即可自动上锁；置于手动位置，关门也不会上锁。
6	**[CLOSE]键**	可使用该键在室内锁门或设定双重锁门功能。
7	**手动开关装置**	应急或电路故障时，可使用手动方式锁门或开门。

锁芯总成 (MORTISE)



※ SHS-AML320为标配部件，SHS-AML220也能与锁体配套安装，但适合的门开孔尺寸不同，不能通用，应在门开孔前完成选型。

号码	名称	功能说明
1	**锁芯**	把门固定在门框上，将门锁住。
2	**斜舌**	门关闭时，起到固定门和门框的作用。
3	**感应器**	门锁设定为自动上锁功能时，起到感知开门和关门状态的作用。

更换电池

1. 更换电池的提示音响起时...

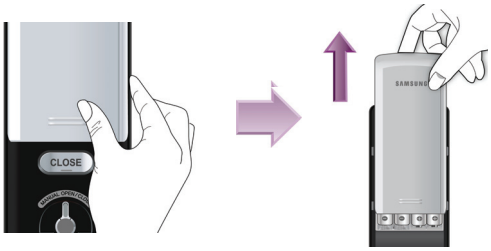


使用密码或指纹开门响起“致爱丽丝”旋律时，开门后需更换电池。（若更换提示音响起 ，号码键盘下方的电池更换提示灯会亮起。）

电池使用寿命

电池因制造厂家、制造日期、使用环境不同，使用寿命会稍有差异。8 节 1.5V AA 型碱性电池，按 1 天使用 10 次计算，大约可用 12 个月。

2. 打开室内侧锁体盖板



按住室内侧锁体的电池盖，按照箭头指示方向向上轻推。

3. 更换电池



AA型电池×8节

从第一次响起更换电池的提示音后，一周内必须将旧电池全部更换成新电池。

Caution

- 若电池正负极装反门锁不能正常工作，装入电池时请注意电池的正负极是否安装正确。
- 电池液体泄漏时会损坏锁体，请务必定期（约 6 个月间隔）进行确认。
- 更换电池的提示音响后，在更换新电池之前，无法执行密码/感应钥匙信息的设定、更改、初始化和功能设定等。
- 更换电池的提示音响后，不更换电池继续使用时，可能会产生电子锁突然停止工作的情况。

应急电池的使用方法

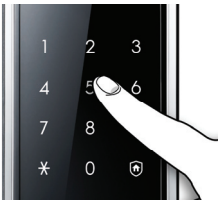
1. AA型电池没电造成门打不开时

到了电池更换日期不更换继续使用时，电池会没电导致门锁不能正常工作。



指纹识别

或



输入密码



不能正常开门

2. 购买9V方形电池



请到附近的便利店或超市购买应急电池(9V)。

Caution

建议使用比普通电池和充电电池工作寿命长、可长期使用的碱性电池。

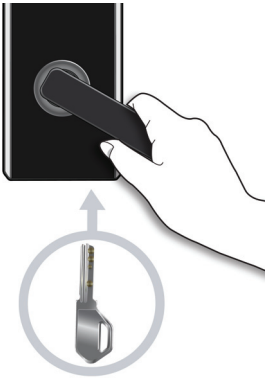
3. 使用应急电池开门



打开室外锁体下方的外部电源接口盖，室外侧锁体的外部电源(应急电池)接口接入9V电池，此时使用指纹或者输入密码开锁。

应急钥匙的使用方法

应急钥匙在电子锁电池因没电或电路板有问题而导致电子锁无法正常操作时使用。



室外侧锁体下面有紧急钥匙插孔。插入应急钥匙后左右旋转，即可开门。

Caution

– 请务必将 1 把以上应急钥匙保管在家中之外的地方，或者随身携带。
– 应急钥匙丢失时。(更换锁芯属于有偿服务。)
– 开门后，请从插孔拔出应急钥匙好好保管。

基本功能

基本功能主要针对电子锁设定信息初始化方法、密码、指纹等的信息设定方法、开门或关门方法进行说明。

初始化方法 (Master密码、密码、指纹)

初始化会删除设定的所有信息。设定的信息初始化之后，Master密码自动设定为“1234”，设定的密码及指纹信息全部删除。

Note

– 电子锁中设定的信息初始化后，请重新设定指纹和密码。
– 初始化仅限在门打开的状态下操作。

1. 打开电池盖



按住室内侧锁体的电池盖后，按照箭头所示方向往上推。

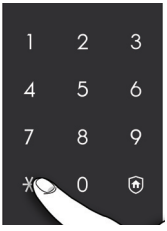
2. 按下[设定]键



持续按**[设定]键**3秒钟。

– 成功: 发出“叮咚 → 叮咚”提示音

3. 输入初始化号码



号码键盘的背光灯亮起后输入“4560852580”，再按下**[✱]键**即可。

– 成功: 发出“叮咚叮”提示音
– 失败: 发出“叮咚叮咚”提示音

进入主菜单选择模式

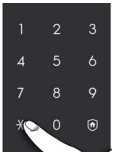
设定电子锁功能时需进入主菜单选择模式。

Note

- 设定电子锁功能时，需先进入主菜单选择模式才可以进行设定。
- 原始 Master 密码设定为 **1234**。
- 仅限在门打开时方可进入主菜单选择模式。
- 想返回上一步请按[✱]键。

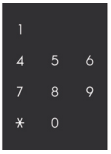


在打开的状态下打开室内侧锁体的电池盖短按**[设定]键**。





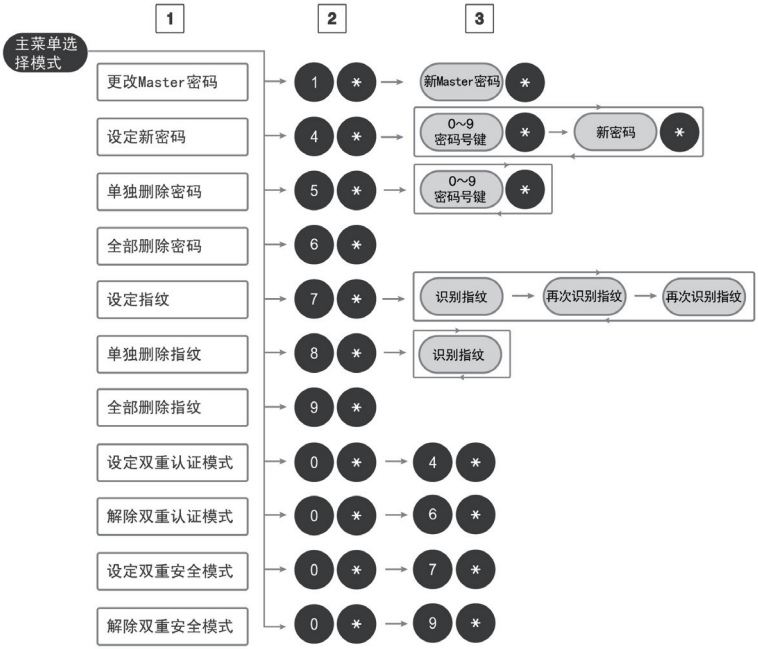
号码键盘背光灯亮起时，输入Master密码后按下**[✱]键**。



进入主菜单选择模式。

菜单选择方法概述

1. 进入主菜单选择模式。
2. 按下所需的菜单代码，再按下**[✱]键**。
3. 设定所需功能后再按下**[✱]键**。



更改Master密码

仅限设定1组4～12位的Master密码。

Note

更改 Master 密码仅限在门打开的状态下操作。

1. 进入主菜单选择模式 (参照第17页)

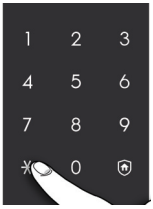
2. 选择Master密码更改菜单



叮咚

号码键盘背光灯亮起后按**[1]**，再按下**[*]键**。

3. 输入新Master密码



成功: 叮咚叮
失败: 叮咚叮咚

输入更改的新Master密码(4~12位)后，
再按下**[*]键**。

- 若Master密码更改成功，输入的密码会按照输入的顺序显示出来。
- 为防止发生盗窃，密码最好设定为6位以上。(仅可使用0~9之间的数字)

Note

- 确认 Master 密码是否正常设定时，在门打开的状态下按住锁芯总成的感应器，若锁芯弹出，参照“从室外开门（密码）”的方法进行确认即可。
- 输入新 Master 密码时，如果输入同密码、初始化号码一样的号码，则不能正常进行设定。
- 请管理好密码，防止外人知道。长期使用同一组密码会发生密码外泄的危险，请定期更换密码。
- 已设定的 Master 密码不可删除，请采用更改新密码或初始化方法删除设定的信息（Master 密码、密码、指纹），然后再重新设定使用。

设定密码

最多可设定10组4~12位的密码。

Note

设定密码仅限在门打开的状态下操作。

1. 进入主菜单选择模式 (参考第17页)

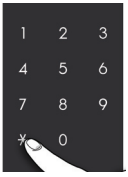
2. 选择密码设定菜单



叮咚

号码键盘背光灯亮起后按[4]，再按下[*] 键。

3. 输入密码键号

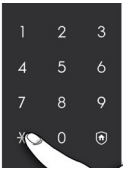


叮咚

号码键盘背光灯亮起时按下所需未设定的键号数字(0~9)，然后再按下[*]键。

- 已经设定的键号不会在号码键盘上显示，需要修改时，请参考“删除密码”方法后进行设定。

4. 输入密码



成功: 叮咚叮
失败: 叮咚叮咚

号码键盘背光灯亮起后输入新密码 (4~12位)即可。

- 若密码设定成功，输入的密码会按照输入顺序显示出来。
- 为防止发生盗窃，密码最好设定为6位以上。(仅可使用0~9之间的数字)

Note

- 确认 Master 密码是否正常设定时，在门打开的状态下按住锁芯总成的感应器，若锁芯弹出，参照“从室外开门（密码）”的方法进行确认即可。
- 输入新密码时，如果输入同 Master 密码、初始化号码一样的号码，则不能正常进行设定。
- 请管理好密码，防止外人知道。长期使用同一组密码会发生密码外泄的危险，请定期更换密码。
- 输入密码时，若 20 秒之内不输入，则自动退出。
- 不可连续设定密码。

删除密码

可对设定密码进行单独删除和全部删除操作。

Note

删除密码仅限在门打开的状态下操作。

单独删除

1. 进入主菜单选择模式 (参考第17页)

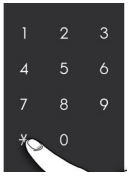
2. 选择单独删除密码菜单



叮咚

号码键盘背光灯亮起后按[5]，再按下[✱]键。

3. 输入要删除的密码键号



成功: 叮咚叮
失败: 叮咚叮咚

若设定的键号亮起背光灯，按下要删除的键号，再按下[✱]键。

- 不可连续删除密码。
- 没有设定的密码时，发出失败提示音，同时转换为主菜单选择模式。

全部删除

1. 进入主菜单选择模式 (参考第17页)

2. 选择全部删除密码菜单



叮咚叮

号码键盘背光灯亮起后按[6]，再按下[✱]键。

Note

在全部删除密码状态下从室外打开锁上的门时，请输入设定的 Master 密码或进行指纹认证。

设定指纹

最多可设定100枚指纹。

Note

设定指纹仅限在门打开的状态下操作。

1. 进入主菜单选择模式 (参考第17页)

2. 选择设定指纹菜单



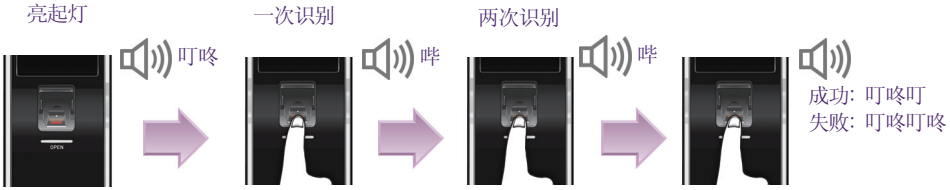


叮咚

号码键盘背光灯亮起后按[7]，再按下[*]键。

- 设定100枚以上指纹时，会发出“叮咚叮咚”的提示音，同时转换为主菜单选择模式。

3. 识别要设定的指纹



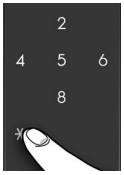
发出“叮咚”声音后指纹感应区盖板打开。
若指纹感应区的灯亮起，将指纹放到指纹感应区，然后直到发出“哔”声音。

若指纹感应区的灯灭了有重新亮起，为了确认设定的指纹能够准确识别，再两次将指纹放到感应区，直到发出“叮咚叮”声音。

Caution

- 设定指纹的手指受伤或沾上污物时，可能照成不能正常识别指纹，请一个人设定 2 枚以上指纹。

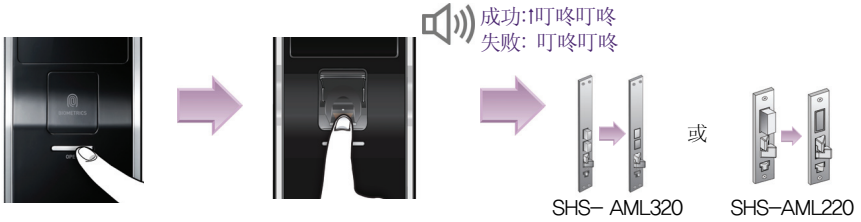
4. 注册完成



若完成设定指纹，按下**[✱]键**或按下**[打开指纹盖板]**键，关闭盖板。

5. 确认设定的指纹

按下室外侧锁体的[打开指纹盖板]键打开感应区盖板，将指纹放入感应区。



添加设定指纹

马上设定

若想连续设定几枚指纹，设定完之前的指纹后，须在 20 秒之内将要设定的其它指纹放入感应区。如果在 20 秒之内不能将其它指纹放入感应区，指纹感应区的盖板会自动关闭，结束设定指纹。

以后设定

按下[✱]键结束设定指纹后，以后添加设定指纹时，请反复指纹设定过程。

Note

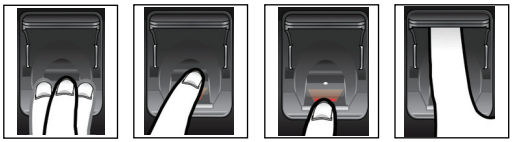
〈在指纹感应区放置手指的方法〉

正确



手指正确放入指纹感应区中央的画面

错误



刷烈晃动手指　手指偏向一侧　手指置于感应区外部　手指部位放入过多

删除指纹

可对设定指纹进行单独删除和全部删除操作。

Note

删除指纹仅限在门打开的状态下操作。

单独删除

1. 进入主菜单选择模式 (参考第17页)

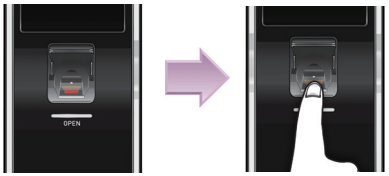
2. 选择单独删除指纹菜单



叮咚

号码键盘背光灯亮起后按[8]，再按下[*]键。

3. 识别要删除的指纹



成功: 叮咚叮
失败: 叮咚叮咚

指纹感应区盖板打开，同时灯亮起时，将要删除的指纹放入[指纹感应区]。

全部删除

1. 进入主菜单选择模式 (参考第17页)

2. 选择全部删除指纹菜单



叮咚叮

号码键盘背光灯亮起后按[9]，再按下[*]键。

Note

- 在指纹信息全部删除状态下从室外打开上锁的门时，请使用设定的密码或应急钥匙。
- 单独删除指纹时，可以连续操作；若在 20 秒之内不将指纹放入感应区，则指纹感应区盖板会关闭，同时会进入主菜单选择模式。

从室外开门(密码)

1. 触摸号码键盘处



触摸号码键盘处，号码键盘的背光灯会亮起。

2. 输入密码

双重安全模式



任意 2 个键背光灯亮起时，按顺序按下亮起背光灯的 2 个数字。



成功: ↑叮咚叮
失败: 叮咚叮咚

号码键盘的背光灯全部亮起时，按下密码后，再按下**[*]键**。

普通模式



成功: ↑叮咚叮
失败: 叮咚叮咚

号码键盘的背光灯全部亮起时，按下密码后，再按下**[*]键**。

Note

- 应在号码键盘背光灯亮起时输入密码；背光灯熄灭时，请触摸号码键盘处，背景灯亮起时重新输入。
- 若输入密码错误须取消时，应按一下**[⏏]键**再重新输入。
- 连续 5 次输错密码时，锁体会发出 20 次“哔哩～哔哩～哔哩～”的提示音，同时电子锁会自动停止工作 3 分钟。电子锁在停止工作状态下，每隔 10 秒钟发出“哔”的声音。3 分钟之后电子锁会发出“哔哔哔哔哔哔哔”的声音并自动恢复工作。

从室外开门(指纹)

从室外使用指纹即可开门。指纹感应区的灯亮起时，请将已设定的指纹正确地置于指纹感应区。

1. 按下[打开指纹盖板]键



按下**[打开指纹盖板]键**，指纹感应区的盖板即会打开。

2. 识别指纹

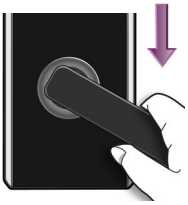


成功: ↑叮咚叮
失败: 叮咚叮咚



或





SHS- AML320　　SHS-AML220

[指纹感应区]灯亮起时，放入指纹并等待 1 秒钟左右。

若上锁的门打开，指纹感应区盖板会关闭，下压室外侧把手，即可将门打开。

Note

- 未设定的指纹或指纹不能被识别时，会发出“叮咚叮咚”的提示音。
- 指纹识别失败时，5 秒后会发出“叮咚叮咚”的声音，同时指纹感应区盖板关闭。
- 若[指纹感应区]有手指放入，即使经过 5 秒指纹感应去盖板也不会关闭。

从室内开门

从室内使用电子锁把手即可将门打开。

把手往下拉



将室内侧锁体把手向下拉。

左/右转动手动开关装置



向左或向右转动室内侧锁体的手动开关装置可以锁门或解除锁门状态。

– 该操作跟电池无关。

从室外关门

触摸号码键盘处



在手动锁门模式中从室内打开门出来时，触摸号码键盘处即可。

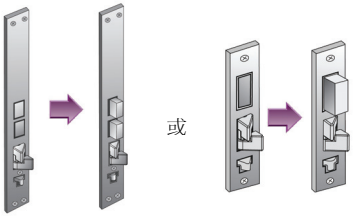
按下[打开指纹盖板]键



在手动锁门模式中从室内打开门出来时，按下室外侧锁体的**[打开指纹盖板]键**即可。

从室内关门

自动锁门模式



SHS-AML320　　SHS-AML220

关门 2 秒后自动上锁。

手动锁门模式



按室内侧的**[CLOSE]键**或转动手动开关装置即可进行锁门。

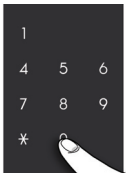
附加功能

设定双重安全模式

双重安全模式是一种认证任意2组号码作为密码防止密码外泄的模式。根据使用需要可以设定双重安全模式或普通模式。

1. 进入主菜单选择模式 (参考第17页)

2. 选择其它设定菜单



叮咚

若号码键盘背光灯亮起，按下[0]键，
再按下[✱]键。

3. 选择模式



叮咚叮

[7]号: 双重安全模式
[9]号: 普通模式

按下[7]或**[9]**号后，若按下[✱]键，即可设定或解除认证模式。

Note

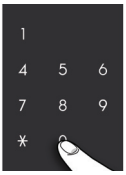
- 仅限在门打开的状态下可设定双重安全模式。
- 产品刚购买时已设定为双重安全模式。

设定双重认证模式

双重认证模式是指在门打开时，需同时认证密码和指纹的安全强化功能。根据使用需要，可以设定或解除该模式。

1. 进入主菜单选择模式 (参考第17页)

2. 选择其它设定菜单



叮咚

若号码键盘背光灯亮起，按下[0]键，再按下[✱]键。

3. 选择模式



叮咚叮

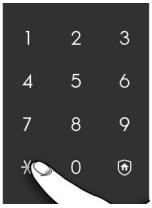
[4]号: 设定双重认证模式
[6]号: 解除双重认证模式

按下[4]或[6]号键, 再按下**[✱]**键，即可设定解除认证模式。

双重认证模式运行



按下[号码输入]键。



成功: 叮咚
失败: 叮咚叮咚

号码键盘背光灯亮起时输入密码，然后按下**[✱]键。**



成功: ↑叮咚叮
失败: 叮咚叮咚

[指纹感应区]背光灯亮起时开始识别指纹。若认证成功，门即会打开。

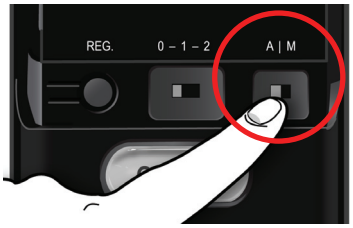
Note

- 仅限在门打开的状态下可设定双重安全模式。
- 产品刚购买时双重认证模式未开启。
- 若想设定双重认证模式，应设定 1 枚以上指纹。
- 指纹信息全部删除时，双重认证模式会自动解除。

设定自动/手动锁门

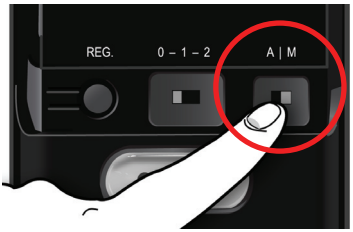
本产品可设定关门时自动锁门的功能。

设定自动锁门



将室内侧锁体的**[自动/手动锁门] 转换开关**推至“自动”位置。

设定手动锁门



将室内侧锁体的**[自动/手动锁门] 转换开关**推至“手动”位置。

Note

自动模式和手动模式的区别

- 自动模式：关门 2 秒后自动上锁。
  但电池没电时不可正常工作。
- 手动模式：关门后不会自动锁门，需按下室内侧锁体的**[CLOSE]键**、室外侧锁体的**[号码输入]键**或**[打开指纹盖板]键**方可锁门。

Caution

设定为手动锁门模式关门后不会自动上锁， 采用此功能时请注意确认门是否上锁。

Note

- 在门打开的状态下，若用手按锁芯总成的感应器，锁芯自动弹出，则表示已设定为自动锁门模式。
- 在自动锁门模式下，若门没有上锁开着，则每隔 15 秒电子锁会发出 2 次“哔～哔～哔～”的提示音。（手动模式下不会发出警报音）
- 使用密码或指纹识别将门开门后，若在 7 秒内不打开门，门会再次自动上锁。

设定及解除声音模式

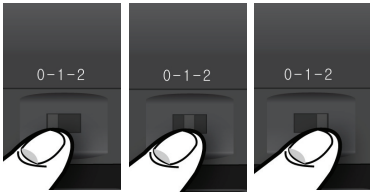
本产品可以设定按号码键盘、开门或关门时发出的的声音。

设定声音模式

产品刚购买时，所有的声音都设定为有声模式。



打开室内侧锁体电池盖。



声音模式
[0] : 静音 **[1]** : 弱音 **[2]** : 强音

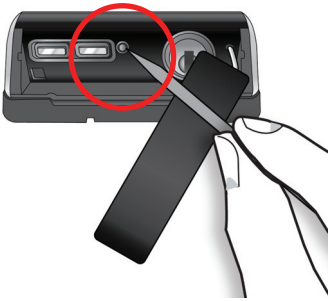
将[音量调节] 开关置于[0]~[2] 位置，盖好电池盖。

Note

声音模式的启动

– **[0]键**: 所有的声音为静音状态。(警报音除外)
– **[1]~[2]键**: 所有的声音都开启，设定的数字越大声音越响。

复位功能



按下[打开指纹盖板]键或**[号码输入]**没有任何反应时，按下**[复位键]**可以重新启动电子锁。打开室外侧锁体下方的盖板即可看到复位键，用尖锐物体按下复位键。

– 按下复位键后电子锁不能启动，请联系服务中心。

警报音/紧急铃声

发出警报音时 (防恶作剧功能)

在室外操作电子锁不正确次数超过5次时，电子锁有发出警报音并自动进入断电模式。

指纹、密码错误



哔哩哔哩哔哩～
(响 20 次)

使用未设定的指纹开门或者 5 次以上密码输入错误时
(电子锁会发出警报音并会自动停止工作 3 分钟。电子锁在停止工作状态下，每隔 10 秒钟发出“哔”的声音。3 分钟之后电子锁会发出“哔哔哔哔哔哔”的声音并自动恢复工作。)

警报音的解除方法

[从室内]



按下室内侧锁体的**[CLOSE]键**或**[设定]键**，或者压下把手即可解除。

[从室外]



识别设定的指纹或者输入密码，然后按下**[*]键**即可解除。
(要解除警报音，须在警报音响起 10 秒内进行。)

设定防盗功能

为防止外出时有人入侵，在室内操作电子锁时发出警报音的功能。

设定防盗功能



若门上锁，室外侧号码键盘的[⌂]键会亮起背光灯。



叮咚叮

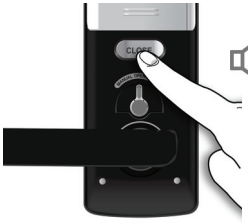
在 3 秒以内按下[⌂]键，仅可设定防盗功能。

Note

即使设定了防盗功能，从室外输入设定的密码或者将指纹置于指纹感应区将门打开后，设定的防盗功能会自动解除。

启动防盗功能

[从室内]



哔咿～哔咿～哔咿～
(响 5 分钟)

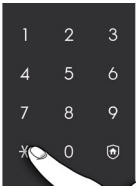
在设定防盗功能状态下，想从室内按下[CLOSE]键或下压室内侧把手开门时，会发出 5 分钟以上警报音。

解除防盗功能

[从室外]



或



将设定的指纹置于感应区或者输入密码，然后按下[✱]键。

入侵感知功能

在室内或室外，强制打开门时发出警报音的功能。
(此功能为产品基本功能，不可设定/删除。)


SHS-AML320

或


SHS-AM220

哔咿～哔咿～哔咿～
(响 5 分钟)

在门上锁的情况下强制开门时，电子锁的感应器会感知，电子锁会发出警报音。

紧急铃声解除方法

[从室内]



或

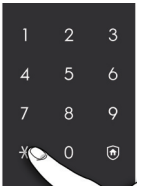


打开室内侧锁体的电池盖拿掉电池或者按下**[设定]键**。

[从室外]



或



将设定的指纹置于感应区或者输入密码，然后按下**[*]键**。

火灾感知功能

发生火灾时电子锁会发出警报，告知住户赶快躲避的功能。
(火灾探测功能为基本设定的功能，用户不可随意解除。)



哔咿～哔咿～哔咿～
(响 15 秒钟)

火灾发生时，温度探测器会感知，然后**[CLOSE]键**不停闪烁，同时电子锁发出警报音。
警报音结束后门会自动打开。
(室内温度下降到一定程度后，电子锁会恢复正常工作。)

Note

火灾感知功能在室内温度达到 70℃ 左右时启动，安装环境不同会多少有差异。

双重锁门功能的使用方法

双重锁门功能是为了防止从室外开门而设置的功能。

设定双重锁门功能

[从室外]



在门上锁的情况下，从室内按住[CLOSE]键 2 秒钟以上。

启动双重锁门功能

[从室内]



按下[CLOSE]键电子锁会发出双重锁门的声音。

[从室外]



按下[号码输入]或**[打开指纹盖板]键**，则锁体就会发出双重锁门的声音，号码键盘左下方的双重锁门指示灯会亮起，同时门上锁。

解除双重锁门功能

[从室内]



压下室内侧锁体的把手或者左右旋转手动开关装置，即可解除双重锁门功能。

Caution

若设定双重锁门功能，从外侧只能用应急钥匙开门，敬请注意。防止儿童从室内任意设定此功能。

简易故障排除

若电子锁不能正常工作，请先确认下列事项。
如不能解决问题，请咨询附近的服务中心。

电源

问题	解决方法	参考
电源不通。	– 请确认电池是否有质量问题或者电池的正负极安装是否正确。 – 请确认电池是否放入或电池是否有电。	13~14页

密码/指纹

问题	解决方法	参考
无法设定密码。	– 更改密码时，时间延迟。 更改密码时，应确保号码键盘上的背光灯亮着。并且请在输入第一个数字后20秒以内输入下一个数字。 – 电池已用完时，请更换电池。 – 请参照使用说明书中的“密码设定方法”重新操作。	19页
无法设定指纹。	– 应在灯亮起的状态下将指纹正确置于指纹感应区。 – 连续设定几枚指纹时，请将要设定的指纹依次置于感应区，间隔不能超过20秒。	21~22页
输入密码后，按**[*]键**也无法开门。	– 请确认是否正确输入了已设定的密码。 – 输入密码的过程中，若号码键盘的背光灯不亮则不能输入。请重新按下**[号码输入]键**，在号码键盘的背光灯亮起时重新输入密码。（5秒内不输入数字，号码键盘的背光灯会自动熄灭。）	24页
使用指纹无法开门。	– 指纹未设定或无法识别，请确认设定的指纹或将设定指纹的手指清洗干净后再试一次。 – 开门时请将指纹正确置于感应区并等待1秒钟以上。	25页

密码/指纹

问题	解决方法	参考
使用密码或指纹无法开门。	– 已设定双重锁门功能时，从室外使用密码，指纹都不能开门。在设定为双重锁门功能状态下按下**[号码输入]**键或按**[打开指纹盖板]**键，电子锁会发出"哔哩哩哔哩哩"的声音。	35页
虽然设定的密码或指纹已通过认证，但仍然无法开门。	可能是电子锁出了故障。请联系服务中心。	–

自动锁门

问题	解决方法	参考
关门后不能自动上锁。	– 确认是否设定自动锁门模式。 在手动锁门模式下，按下**[号码输入]**或**[打开指纹盖板]键**即可上锁。 – 设定为自动锁门功能却不能上锁时，可能是电子锁错误安装所致，请尽快联系电子锁代理店重新安装。 – 电池没电时，自动锁门功能会无法正常启动。请确认电池是否已用光。	30页

警报音

问题	解决方法	参考
按下**[打开指纹盖板]**键，电子锁发出“哔哩哩哔哩哩”的警报音。	已设定为双重锁门功能时，按下**[打开指纹盖板]**键会发出警报音。请解除双重锁门功能后重新使用。	35页
电子锁工作时不断发出音乐声（致爱丽丝）。	提示更换电池的声音。 请务必在一周内更换新电池。	13页

使用方法概述

※初始化、设定、更改及删除，仅限在门打开时进行操作。

功能	初始值	设定或解除方法 (请依次操作。)
初始化(全部删除Master密码、密码、指纹信息)	-	按下设定键● 3秒钟➡ 输入数字“4560852580”➡ [*] 键 ※ 初始化后Master密码被设定为“1234”。
进入主菜单选择模式		短按设定键 ● ➡ 输入Master密码+ [*] 键
更改Master密码	现在的Master密码或“1234”	短按设定键● ➡ 输入现在的Master密码+ [*] 键 ➡ [1] + [*] 键 ➡ 输入新Master密码+ [*] 键
设定密码	无	短按设定键● ➡ 输入现在的Master密码+ [*] 键 ➡ [4] + [*] 键 ➡ 输入设定键号(0~9) + [*] 键 ➡ 输入新密码 + [*] 键
单独删除密码		短按设定键● ➡ 输入现在的Master密码+ [*] 键 ➡ [5] + [*] 键 ➡ 要删除的键号+ [*] 键
全部删除密码		短按设定键● ➡ 输入现在的Master密码+ [*] 键 ➡ [6] + [*] 键
设定指纹		短按设定键● ➡ 输入现在的Master密码+ [*] 键 ➡ [7] + [*] 键 ➡ 识别要设定的指纹 ➡ 一次识别 ➡ 两次识别 ➡ 设定键●
单独删除指纹		短按设定键● ➡ 输入现在的Master密码+ [*] 键 ➡ [8] + [*] 键 ➡ 识别要删除的指纹 ➡ 设定键●
全部删除指纹		短按设定键● ➡ 输入现在的Master密码+ [*] 键 ➡ [9] + [*] 键
从室内开门	-	电子锁把手：下压室内侧电子锁把手
从室内关门	-	自动锁门：关门后即可自动上锁 手动锁门：按**[CLOSE]键**
从室外开门	双重安全模式 双重安全模式解除	指纹: 按下[打开指纹盖板]键 ➡ 将指纹置于指纹感应区 密码: 按下**[号码输入]** ➡ 输入任意2个号码 ➡ 输入密码 ➡ [*] 键 应急钥匙：将应急钥匙插入应急钥匙插口后左右旋转

功能	初始值	设定或解除方法 (请依次操作。)
从室外关门	–	自动锁门：关门后即可自动上锁 手动锁门：按**[号码输入]**或**[打开指纹盖板]**键
设定自动锁门	自动锁门	将**[自动/手动锁门]转换开关**置于“自动”位置
设定手动锁门		将**[自动/手动锁门]转换开关**置于“手动”位置
设定双重安全模式	双重安全模式	短按设定键 → 输入现在的Master密码+ [*] 键 → [0] + [*] 键 → [7] + [*] 键
	普通模式	短按设定键 → 输入现在的Master密码+ [*] 键 → [0] + [*] 键 → [9] + [*] 键
设定双重认证模式	设定	短按设定键 →输入现在的Master密码+ [*] 键 → [0] + [*] 键 → [4] + [*] 键
	解除	短按设定键 →输入现在的Master密码+ [*] 键 → [0] + [*] 键 → [6] + [*] 键
设定/解除声音	–	**将[音量调节]开关**置于[0]、[1]或[2]的位置
设定防盗功能	–	门上锁3秒钟以内按下 **键**
解除防盗功能		输入密码或指纹置于感应区
从室内解除应急铃声	–	**按[设定]键**
从室外解除应急铃声		输入密码或者将指纹置于感应区
设定双重锁门功能	–	在门上锁的状态下按下**[CLOSE]键**2秒钟以上
解除双重锁门功能	–	压下室内侧电子锁的把手或转动手动开关装置

产品规格

项目	规格	
正常电压	AA型1.5 V 碱性电池(LR6) 8 节(6 V)	
应急电源	9 V电池(6LF22) 1节(单独购买)	
工作方式	电子控制方式 (输入密码或指纹识别)	
重量	2.6 kg (包括室内侧和室外侧)	
产品大小	室外侧(包含把手)	81.3mm(W)×318mm(H)×75mm(D)
	室内侧(包含把手)	79mm(W)×290mm(H)×80.3mm(D)

为提高产品的功能，生产商可不经过用户的同意对使用说明书的内容作出更改。

配件名称	有毒有害物质或元素					
	Pb	Hg	Cd	Cr(VI)	PBB	PBDE
金属配件	○	○	○	X	○	○
印刷电路组件 (Printed Board Assembly)	X	○	○	○	○	○
电缆 (Cable)	○	○	○	○	○	○
塑料配件(Plastic)	○	○	○	○	○	○
电池	○	○	○	○	○	○

○：配件中有毒有害物质含量不超过<含量限制标准GB/T 26572>所规定的标准值
X：配件中有毒有害物质含量超过<含量限制标准GB/T 26572>所规定的标准值

上述表说明本产品所含的有害物质含量信息，配件别有害物质信息是根据合作公司所提供的信息和内部鉴定结果来制成的。部分配件所含的有害物质，按照现在的技术水准是很难代替，
为了代替这个问题三星SDS(三星数据系統)会竭尽全力去努力的。



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