

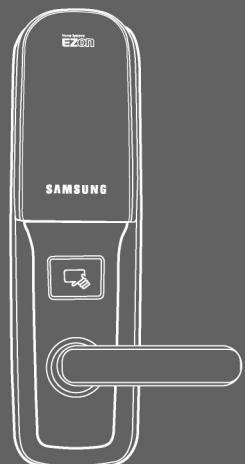
Home Systems



Intelligent Digital Doorlock

Safety notice contains information to ensure your safety and to prevent property damage.
Read the directions carefully and use the product correctly.

**EZON
SHS-5020**



Product Features



The door can be opened with RF card as well as a RF key tag.

The door can be opened with a RF card as well as RF key tag. Up to 20 cards may be registered.



The door can also be opened with a password.

Once the user's password is registered, the door can be opened without a key by entering the registered password.



The anti-panic function allows for easy opening of a locked door from the inside.

When opening the locked door from the inside, just turn the handle.



Using the automatic lock function, the door is automatically locked when it closes, eliminating the need to lock it manually.

Double-locking function adds security.



The double-locking function adds security by preventing the door from being opened from outside at night or at times when extra security is needed.



Pranks played by children and juveniles can be prevented.

When an unregistered card or key tag is used, or when an invalid password is entered 3 or more times consecutively, an alarm sound is generated and power to the lock is automatically cut off for one minute.



Fire-monitoring function helps occupants escape in case of fire.

When the inside temperate rises to a certain level due to fire, an alarm is automatically generated and the door is opened.

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Safety Cautions

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

Warning, Caution and Note Explained:



Warning

Warning

Information given under this heading is information the user must be aware of to prevent physical harm.



Caution

Caution

Information given under this heading is information the user must be aware of to prevent service problems or system damage.



Note

Note

Information given under this heading provides additional information relating to the text in this manual.

Description of Symbols



General warning or caution.



Prohibited activity.



Recommended activity.

Cautions during Installation



The user shall not install or repair the product without authorization. The manufacturer does not assume responsibility for damage to the product resulting from attempts to the user to install or repair it without authorization.



Do not install the product in the place where the gap between the door and the frame is 5mm or more. If the gap is too wide, the product may not function properly.



Cautions during Operation



Make sure that no unauthorized person has the access to the password.



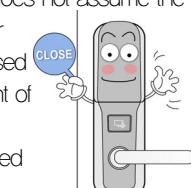
Do not operate the product with wet hands, and keep liquids such as water or drinks away from the product, or the product may malfunction or be damaged.



Do not use the excessive force or sharp objects to push the door lock buttons, as this can damage the product.



Make sure that the door is completely closed when going outside. The manufacturer does not assume the responsibility for any harm caused by engagement of the lock on an improperly closed door.



Cautions during Operation



Be careful not to trap fingers while opening or closing the number cover.



There is a risk of fingers being trapped in the gap.



Handle the remote controller with care.

The remote controller can be damaged by a strong impact, such as being dropped.



Cautions during Repair or Maintenance



Be sure to correctly match the poles (+/-) when installing the batteries. Install the batteries with the correct poles (+/-).



Improperly installed batteries can cause rupture or battery fluid leakage.



Replace all batteries immediately after they run out of power, and never mix new batteries with used ones.



This can cause reduction of product life or a malfunction in the product.



Do not use water, benzene or alcohol when cleaning the product, as these fluids can cause product malfunction.



Use a soft and dry cloth instead.



Replace the batteries within 1 week after the battery replacement alarm sounds.



The product can stop operating if the batteries are not replaced in time.

Notes before Operation

Model-by-Model Functions

The following table shows the functions available for each model of the SHS-5020 series.

No.	Model	Emergency Key	Pass word	Touch Type	Card (Key Tag)	Remote Controller	Interface to Wireless HA Devices
		○	○	×	○	×	
1	SHS-5020XMX	○	○	×	○	×	×
2	SHS-5020RMX	○	○	×	○	○	×
3	SHS-5020EMX	○	○	×	○	×	○
4	SHS-5020ERX	○	○	×	○	○	○
5	SHS-5020VMX	×	○	○	×	×	×

※ The last letter X in each model indicates color code.



Product Components



Introduction



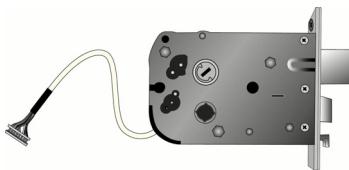
Outdoor Unit



Key Tag



Indoor Unit



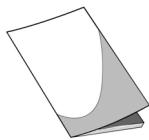
Mortise



Strike Box



Strike



Operating Manual



Emergency Key (5EA)



'AA' Batteries (LR6)



Handle Shaft



Handle Shaft Spring



Fastening Panel and Indoor Unit

Fastening Bolts

FHM4X8 (4EA)



Fastening Panel and Outdoor Unit

Fastening Bolts

FH+M5X25 (4EA)



Indoor Fastening Bolts

PW+H8X16 (4EA)



Strike Fastening Bolts

FH+U10-24X14L (4EA)



Note

The product components may vary depending on the installation environment.

Options



Remote Controller



Remote Controller Cradle



'AAA' Batteries (LR03)

Outdoor Unit Parts



Introduction



No.	Name	Description
1	Number Cover	The Number Cover protects the number pad.
2	External Power Contact	Power can be supplied from the emergency battery after the main batteries have been completely discharged (9V battery).
3	Number Pad	This is used to enter the numbers when registering, changing or deleting the password. Once registered, users can open the door by entering the registered password.
4	Card Reader and Card Reader Button	The Card Reader is used to recognize a card or key tag before opening the door. The Card Reader Button is a button the user presses to activate the Card Reader before opening the door using a registered card. The button can also be used to lock the door when using the manual door-locking mode.
5	Outdoor Unit Handle	The door will be opened when the handle is rotated downward after the lock is released.
6	Emergency Keyhole	When the lock stops operating because of batteries that have been completely discharged or a circuit problem, the emergency key can be used to unlock the door. After that, the door will be opened when the outdoor unit handle is rotated downward.

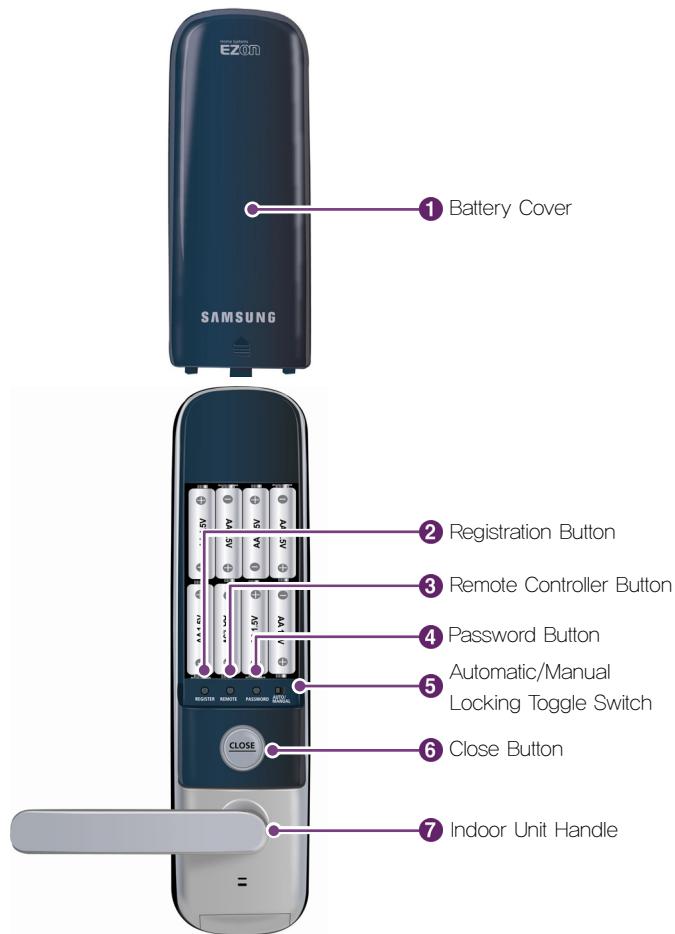


Introduction

Indoor Unit Parts



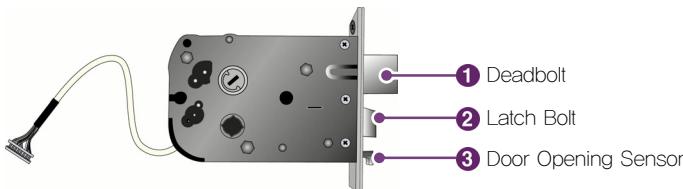
Introduction





No.	Name	Description
1	Battery Cover	The Battery Cover protects the batteries and the registration button.
2	Registration Button	The Registration Button is used to register or delete the card or key tag.
3	Remote Controller Button	The Remote Controller Button is used to register or delete the wireless remote controller.
4	Password Button	This button is used to change the password.
5	Automatic / Manual Locking Toggle Switch	This switch is used to switch between automatic locking and manual locking. If it is set for automatic locking, the door is automatically locked when closed. If it is set for manual switching, the door is not automatically locked when closed.
6	Close Button	This Button is used to lock the door from the inside and to set the double locking function.
7	Indoor Unit Handle	The door will be opened when the handle of the indoor unit is rotated downward.

Mortise



No.	Name	Description
1	Deadbolt	It fastens the door to the door frame.
2	Latch Bolt	It fastens the door and door frame when the door is closed.
3	Door Opening Sensor	It monitors door opening and closing after the automatic locking function is activated.



Replacing the Batteries

1. Battery Replacement Alarm Generation

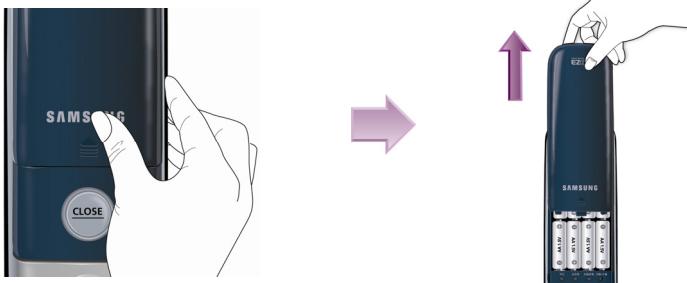


If an alarm that sounds like a 'Toot~' sounds when opening the door using the password or card (key tag), it is time to replace the batteries.

 **Battery Life**

Although actual battery life differs depending on the manufacturer, date of production and operation environment, eight 1.5V AA alkaline batteries can last for one year, based on an average of 10 uses per day.

2. Opening the Indoor Unit Cover



Lightly press on the battery cover of the indoor unit and push it up.

3. Replacing the Battery



Replace all 8 batteries within a week of the first alarm sound.

— The unit will stop operating if the batteries are not replaced.



Caution

- If the poles of the batteries are not placed properly, the door lock will not operate normally.
- Liquid leaks from batteries can damage the product. Check the batteries regularly (once every 6 months).
- After the battery replacement alarm has sounded, password/card information cannot be registered, changed, deleted, initialized or configured until the batteries are replaced.

Using the Emergency Battery

1. When Lock Fails to Operate Due to Discharged AA Batteries

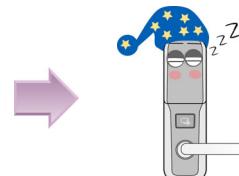
If the batteries are not replaced after their replacement time comes, they will be completely discharged and the door lock will not operate.



Or



Recognition of Card or
Key Tag



Password Entry

The door is not opened.

2. Using 9V Battery



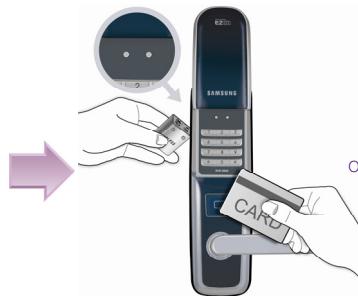
Buy an emergency battery (9V) at the nearest store.



Caution

As the alkaline batteries offer longer life, they are recommended over the manganese batteries or rechargeable ones.

3. Opening the Door Using the Emergency Battery



Place the card or key tag on the card reader, or enter the password, while the 9V battery is connected to the external power contact of the outdoor unit.

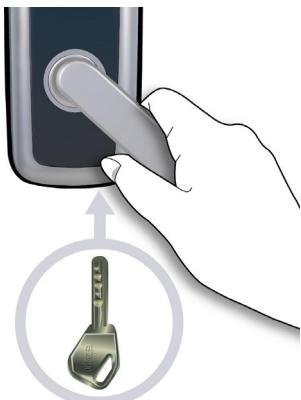


Introduction



Using the Emergency Key

The emergency key is used when the door lock does not operate due to discharged batteries or a circuit problem.



An emergency keyhole is located at the bottom of the outdoor unit. Insert the key into the keyhole and rotate it to the left and to the right to release the door lock.



Caution

- Always carry one or more emergency keys, or store one in a secret place outside.
- If the emergency key is lost, it is recommended to replace the whole key cylinder unit. Call your local dealer. Replacement of the key cylinder unit is not a free service.
- Remove the emergency key from the keyhole after the door lock has been released, and store it in a safe place.

Right Hand/Left Hand Setting

The door lock can be set up for either right hand or left hand operation, depending on whether the door lock is installed at the left or the right side of the door. It is set for right hand operation by default.

Press the **[Password]** button on the indoor unit for 5 seconds or longer.

Right hand/left hand mode is set when the **[★]** button is pressed after the **[4]** or **[5]** button.



Introduction

Left Hand/Right Hand Mode

Left Hand Mode



Left Hand mode is set when the door lock is placed at the right side of the door and the door lock handle points to the left when looking at it from outside.

Right Hand Mode



Right Hand Mode is set when the door lock is placed at the left side of the door and the door lock handle points to the right when looking at it from outside.

Basic Functions

This section describes the ways to initialize the information registered in the door lock, to register the password and card data, and to open or close the door.

Initialization (Password, Card, Key Tag and Remote Controller)

All registered data (password, card and key tag) are deleted. After initialization, the password is set to '1234', and the registered card and key tag data are erased.



Note

After initializing the registered data, reregister the card and password.

1. Opening the Cover (from inside)



Lightly press the battery cover and push it up, as shown in the diagram.

2. Pressing the [Password] Button (from inside)



Press and hold the [Password] button for 5 seconds or longer,

– Successful: "Toot→Toot, toot" sounds are generated.

3. Entering the Password (from outside)



Press the registered password, or '4560852580' then press the [*] button.

– Successful: "Toot~" sound is generated.

– Failed: "Toot~" sound is generated.

Password Registration and Change

The password can be 4~12 digit number. Only one password can be registered.
Please register a new password after initialization.



Caution

Always hold the door open while registering or changing the password, since the door can be locked by mistake when registering or changing the password.



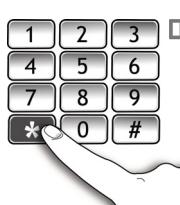
1. Pressing the [Password] Button (from inside)



Open the battery cover of the indoor unit and briefly press the **[Password]** button.



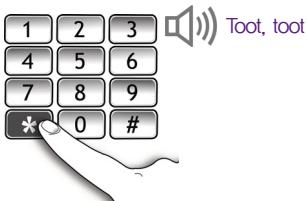
2. Entering the Current Password (from outside)



↑ Toot~, toot, toot

Enter the current password ('1234' after initialization) and press the **[*]** button.

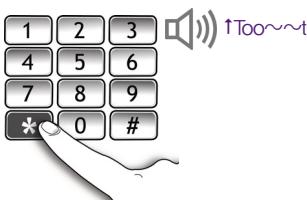
3. Entering a New Password (from outside)



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

- To prevent burglary, it is recommended to use a password of 6 digits or longer. (Only numbers between 0 and 9 can be used.)

4. Reentering a New Password (from outside)



Enter the new password again to check if the new password is accurately configured, and then press the [*****] button.

5. Checking New Password Operation (from outside)



To make ensure the password has been properly registered, check the new password and close the door.

- Please refer to “Opening from Outside with a Password” on page 30.



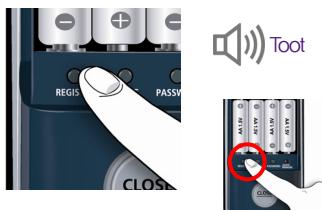
Caution

- To check the new password, press the door-opening sensor on the Mortise while the door is open. When the dead bolt is pushed out, check the password, referring to the procedure described in “Opening from Outside with a Password.”
- Manage your password with care so that unauthorized people will not have access to it. Regularly changing your password can reduce the risk of it being leaked.
- A registered password cannot be deleted. Change the password to a new one or initialize it to delete all registered data (password, card and key tag) and then reregister them.

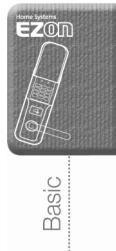
Card and Key Tag Registration

A dedicated card or credit card can be registered. Up to 20 cards, including the key tag, can be registered.

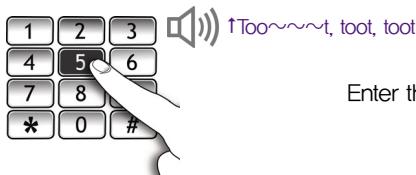
1. Pressing the [Register] Button (from inside)



Open the battery cover of the indoor unit and briefly press the **[Register]** button.



2. Entering the Password (from outside)



Enter the password and press the **[★]** button.

3. Placing the Card or Key Tag in Contact (from outside)



Place the card or key tag to be registered on the card reader on the outdoor unit. You will know the card or key tag has been registered when a long "toot~t" sounds.

4. Confirming Card or Key Tag Registration (from outside)

Press the [Card Reader] button on the outdoor unit, then lightly place the registered card or key tag to the card reader.

– Please refer to "Opening the Door from Outside with a Card or Key Tag" on page 31.



Registering Additional Cards

Continued Registration



To register multiple cards or key tags, lightly press another card or key tag to the card reader within 5 seconds of registering the previous card or key tag. If another card or key tag is not exposed to the card reader within 5 seconds of registering the previous card or key tag, the registration process is automatically terminated.

Registration at another Time



To register an additional card or key tag after the registration process is terminated, repeat the registration process with the card or key tag.

Deleting the Card or Key Tag



Caution

Registered cards or key tags cannot be individually deleted. All card information is deleted when the card delete function is used. Previously registered cards cannot be used to open the locked door after they are deleted

1. Pressing the [Register] Button (from inside)



Toot → TootToot

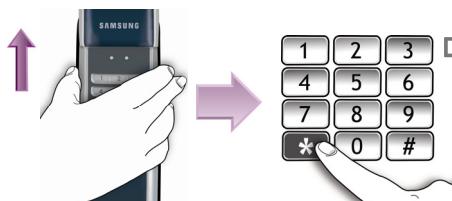


Open the battery cover of the indoor unit and press and hold the **[Register]** button for 5 seconds or longer.



Basic

2. Entering the Password (from outside)



Successful: "Toot~~~~"
Failed: "Toot~"

Enter the password and press the **[★]** button.



Note

Register new cards or key tags after deleting the card data.
To open the locked door from outside after deleting card data, use the registered password.

Remote Controller Registration

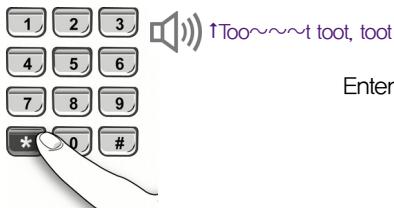
Up to two remote controllers can be registered.

1. Pressing the [Remote] Button (from inside)



Open the battery cover of the indoor unit and briefly press the **[Remote]** button.

2. Entering the Password (from outside)



Enter the password and press the **[*]** button.

3. Pressing the [OPEN] Button (from the remote controller)



Press and hold the **[OPEN]** button of the remote controller to be registered for 3 seconds or longer.



Note

Repeat the process above when registering an additional remote controller.

4. Confirming the Remote Controller Registration (from outside)



In Automatic Locking Mode

- Briefly press the **[OPEN]** button on the remote controller.

In Manual Locking Mode

- When the **[OPEN]** button on the remote controller is pressed, the door will be locked, or the lock will be released.



Deleting the Remote Controller



Caution

Registered remote controllers cannot be individually deleted. All remote controller information is deleted when the remote controller delete function is used. A previously registered remote controller cannot be used to open the locked door after it has been deleted.



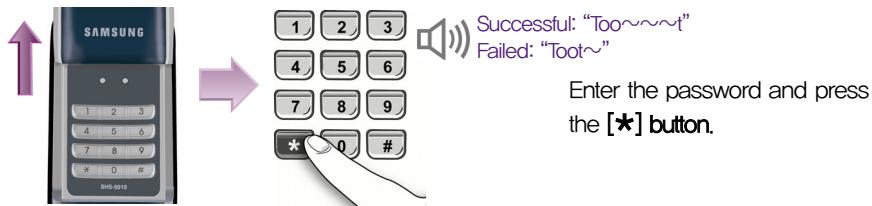
Basic

1. Pressing the [Remote] Button (from inside)



Open the battery cover of the indoor unit and press and hold the **[Remote]** button for 5 seconds or longer.

2. Entering the Password (from outside)



Enter the password and press the **[*]** button.



Note

- Register a new remote controller after deleting the remote controller data.
- To open the locked door from outside after deleting remote controller data, enter the registered password or use the registered card or emergency key.

Wireless HA Device Registration

Wireless HA products from Seoul Commtech (7000 and 8000 series or higher) are compatible with the door lock.

1. Pressing the [Remote] Button (from inside)



Open the battery cover of the indoor unit and briefly press the **[Remote]** button.

- Register the new device within 1 minute of pressing the **[Remote]** button.



2. Entering the Password (from outside)



Enter the password and press the **[*]** button.

3. Pressing the Function Button (from the wireless HA device)



Setting is completed.

Press twice the function button of the HA device to be registered. Then enter '12333' using the numeric keys of the keypad.

4. Confirming the Registration of the Wireless HA Device (from outside)



Press the **[Open Door]** button of the wireless HA device, and the lock will be released.



Deleting the Registered Wireless HA Device

Please call the nearest service center to delete the registered wireless HA device.

Opening the Door from Outside with a Password

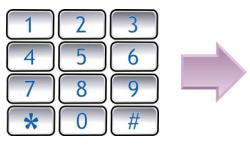
1. Pushing Up the Cover



Push up the number cover of the outdoor unit as shown in the diagram.

Basic

2. Entering the Password



The number buttons are illuminated with a blue light.



Enter the password and press the [*****] button.

Successful: "↑Toot~~~~"
Failed: "Toot~"



Pull down the number cover of the outdoor unit, as shown in the diagram.



Note

- The password must be entered while the number keys are illuminated with a blue light. If the blue light is turned off, press the [*****] button and reenter the password.
- If the wrong password is entered, press the [**#**] button to cancel the entry and start from the beginning.



Caution

If the wrong password is entered 3 times in a row, a "toot~ toot~ toot~" alarm will sound for 10 seconds and the door lock will stop operating for 1 minute. While the door is in this inactive mode, a single "toot" sound is generated every 10 seconds and seven consecutive "toots" will sound after 1 minute. Following this, the lock is released from inactive mode.

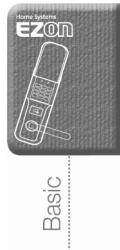
Opening the Door from Outside with a Card or Key Tag

The door can be opened from outside using a card or key tag. Press the [Card Reader] button and place the registered card or key tag on the card reader.

1. Pressing the [Card Reader] Button



Press the [Card Reader] button of the outdoor unit.



2. Applying the Card or Key Tag



Place the card or key tag on the card reader.



The door will be opened after 1 second.



Note

- The card reader will operate properly when the card and RF key tag are placed within 30mm, 20mm and 10mm of the card reader, respectively.
- The recognition distance may differ depending on the card manufacturer.



Caution

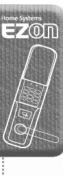
A "toot" alarm sound is generated when an unregistered card is placed or the card is not recognized.

Closing the Door from Outside

Pressing the [Card Reader] Button

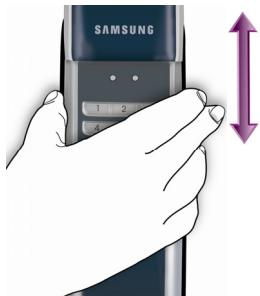


Press the **[Card Reader]** button of the outdoor unit when the door has been opened from inside in manual locking mode.



Basic

Pushing the Number Cover Up and Down



Push the number cover of the outdoor unit up, and then pull it down when in manual locking mode.

Opening the Door from Inside

Pulling down the Door Lock Handle



Rotate the door lock handle of the indoor unit downward.



Basic

Pressing the [OPEN] Button of the Remote Controller



Press the **[OPEN]** button of the remote controller.

- The door is locked or unlocked each time the **[OPEN]** button of the remote controller is pressed when in manual locking mode.

Pressing the [Open Door] Button of a Wireless HA Device



The door is unlocked when the **[Open Door]** button of the wireless HA device is pressed.

Closing the Door from Inside

In Automatic Locking Mode



The door is automatically locked 2 seconds after closing the door.

In Manual Locking Mode



The door is locked when the [Close] button is pressed, or the [OPEN] button of the remote controller is pressed.

Additional Functions

Automatic/Manual Locking Setting

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

Automatic Locking Setting



Set the **[Auto/Manual]** toggle switch of the indoor unit to the 'Automatic' position.

Manual Locking Setting



Set the **[Auto/Manual]** toggle switch of the indoor unit to the 'Manual' position.



Advanced



Difference between Automatic and Manual

- Automatic Mode: The door is automatically locked 2 seconds after being closed.
This mode is not activated when the batteries are completely discharged.
- Manual Mode: The door is not automatically locked after being closed.
It is locked only when the **[Close]** button of the indoor unit or the **[Card Reader]** button of the outdoor unit is pressed, or when the number cover is pushed up and then pulled down.



Caution

For security reasons, ensure that the door is locked after locking the door in Manual Lock mode, since it is not automatically locked after being closed.



Note

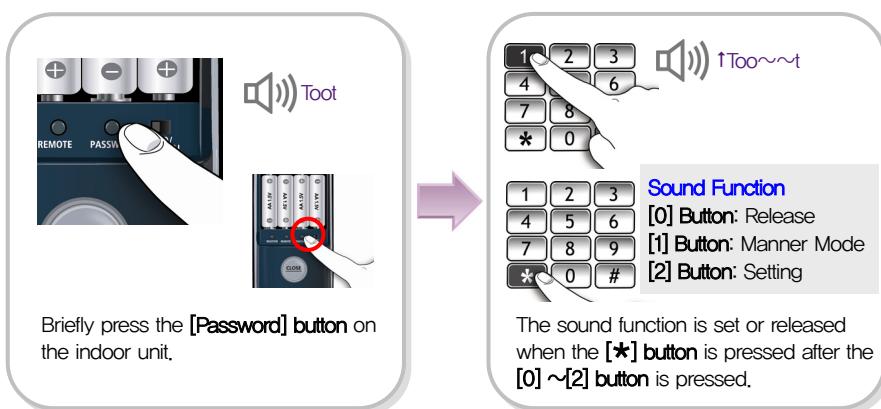
- The door lock is set for Automatic Locking mode if the deadbolt is automatically pushed out when the door-locking sensor on the indoor unit is pressed by hand while the door is open.
- If the door remains open while the Automatic Locking mode is set, two alarm sounds of “toot, toot” are generated every 15 seconds. (This alarm sound is not generated in Manual Locking mode.)
- The door is automatically locked again if the closed door is not opened within 7 seconds of being unlocked using the password, card or key tag.

Sound Setting and Releasing

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

Sound Function Setting

The product is set to generate all sounds at the factory.



Sound Function Operation

- **[0] Button:** All sounds except the alarm sound are deactivated.
- **[1] Button:** All sounds except the number key tones and the alarm sound are deactivated.
- **[2] Button:** All sounds are activated.
- In registration mode, sound is generated regardless of the current setting.
The setting is in effect when registration is completed.

Alarm Sound/Emergency Sound

Alarm Sound (Prank Prevention Function)

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

Card or Password Error



This alarm will sound if an attempt is made to open the door with an invalid card, or if a wrong password is entered three times in a row.

(The alarm sound is generated, and the door lock is deactivated for 1 minute. While the door is in this inactive mode, a single "toot" sound is generated every 10 seconds and seven consecutive "toots" will sound after 1 minute. Following this, the lock is released from inactive mode.)

Number Pad Operation Error



This alarm will sound if the number cover opened and closed for three times without entering the password or placing the card. (The alarm sound is generated and the door lock is deactivated for 1 minute. While the door is in this inactive mode, a single "toot" sound is generated every 10 seconds and seven consecutive "toots" will sound after 1 minute. Following this, the lock is released from inactive mode.)



Advanced

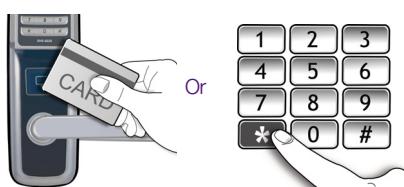
Releasing the Alarm

[Inside]



Press the **[Close]** button of the indoor unit or rotate the handle downward.

[Outside]



Expose the registered card or key tag to the card reader, or enter the password and then press the **[*]** button.
(The alarm must be released within 10 seconds of its activation.)

Setting the Security Function

This function prevents intrusion from outside while the residents are out. Once set, it generates an alarm sound when the door lock is operated from inside.

Setting the Security Function



Press and hold the **[#]** button on the outdoor unit for 3 seconds while the door is being locked.



Enter the password and press the **[*]** button to set the security function.



Note

The security function is automatically released when the locked door is opened from outside by entering the registered password or exposing the card or key tag to the card reader.

Advanced

Activating the Security Function



This alarm sounds if an attempt is made to open the door from inside by pressing the **[Close]** button, or by turning the door lock handle of the indoor unit.

Releasing the Security Function



Or



Expose the registered card or key tag to the card reader, or enter the password and then press the **[*]** button.

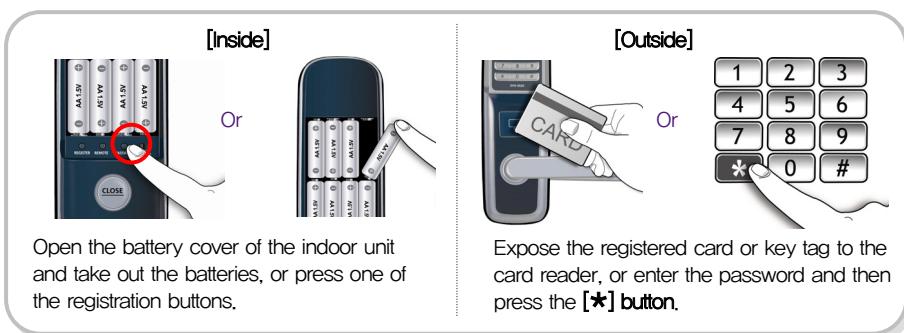
Intrusion Detection Function

This function generates the alarm sound when an attempt is made to forcefully open the door from the inside or the outside.

(This is a basic function of the lock, and cannot be separately set or released.)

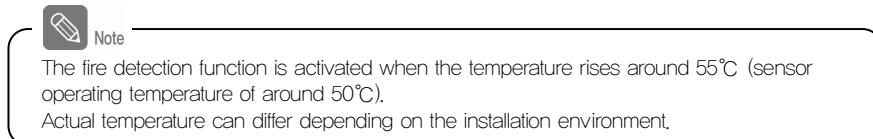
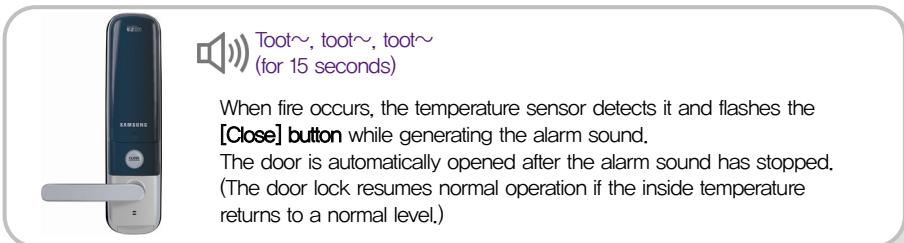


Releasing the Emergency Sound



Fire Detection Function

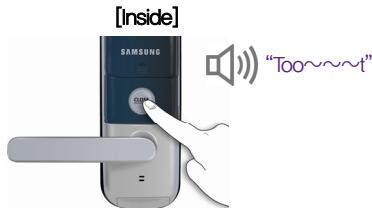
This function generates the alarm sound when fire is detected so that the residence can quickly respond. (The fire detection function is a basic function of the lock, and cannot be released by the user.)



Double Locking

The double locking function prevents opening of a locked door from outside.

Setting Double Locking

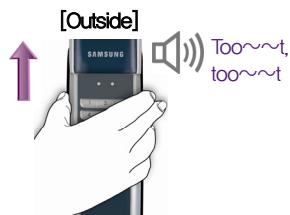


Press the **[Close]** button for 2 seconds or longer from the inside while the door is locked.

Activating Double Locking



The double locking sound is generated when the **[Close]** button is pressed.



The double locking sound is generated and the door cannot be opened when the **[Card Reader]** button is pressed, or the number cover is pushed up.

Releasing Double Locking



The double locking function is released when the indoor unit handle is rotated downward.



Caution

Please be cautious when using this function, since the door can only be opened from outside using the emergency key when this function is set. Please be particularly careful of children accidentally setting this function from inside.

Troubleshooting

Please refer to the following if the door lock does not operate properly.
If the problem can still not be solved, contact the nearest service center.



Power Source

Problem	Solution	Remark
There is no power.	<ul style="list-style-type: none">Check to see if any of the number buttons are stuck.Check to ensure the batteries are in good condition, with the poles (+/-) correctly placed.Check to see if the batteries are discharged, or have been inserted improperly.	P. 16~17



Password / Card or Key Tag

Problem	Solution	Remark
The password cannot be changed.	<ul style="list-style-type: none">This may be a case of delayed password change. The password must be changed while the number buttons are illuminated by a blue light. Furthermore, the new password must be entered within 5 seconds of entering the previous one.Replace the batteries if they are discharged.Repeat the procedure again, referring to "Password Registration/Change" in the operation manual.	P. 21~22
The card or key tag cannot be registered.	<ul style="list-style-type: none">When registering multiple cards and key tags continuously, the next card or key tag must be placed on the card reader within 5 seconds of the previous card or key tag.	P. 23~24
The door cannot be opened even after entering the password followed by the [*] button.	<ul style="list-style-type: none">Check that the registered password has been correctly entered.If number buttons are not illuminated by a blue light while the password is being entered, then the entry will not be accepted. Reenter the password from the beginning when the blue light again illuminates the number keys after pressing the [*] button. (The blue light is automatically turned off if an entry is not initiated within 5 seconds.)	P. 30
The door cannot be opened with the card or key tag.	<ul style="list-style-type: none">This may be a case of an unregistered card or key tag being used, or of the card or key tag not being recognized. Register the card or key pad and try to open it again.The card or key tag must be properly placed on the card reader after the [Card Reader] button is pressed.	P. 31



Troubleshooting



Password / Card or Key Tag

Problem	Solution	Remark
The door cannot be opened with the password, card or key tag.	<ul style="list-style-type: none"> – The door cannot be opened from the outside using the password, card or key tag if the double locking function has been activated. If the double locking function is activated, a “too~~, too~~~t” sound is generated when the number cover is pushed up or when the [Card Reader] button is pressed. 	P. 40
The password, card or key tag registration data can be verified, but the door cannot be opened.	<p>This could be a malfunction of the door lock. Please call your local dealer or service center.</p>	—



Automatic Locking

Problem	Solution	Remark
The door does not lock automatically after being closed.	<ul style="list-style-type: none"> – Check to ensure that Automatic Locking mode has been set. If the operation mode is set to Manual Locking, press the [Card Reader] button or push up and then pull down on the number cover to lock the door. – If the door does not automatically lock when in Automatic Locking mode, then the door lock is installed improperly. Contact the digital door lock distributor to have it reinstalled. – The automatic locking function will not work if the batteries are completely discharged. Check the batteries. 	P. 35



Alarm Sound

Problem	Solution	Remark
The “too~~, too~~~t” alarm sound is generated when the number cover is pushed up.	<p>The alarm sound is generated if the number cover is pushed up while the double locking function is activated. Release the double locking function before using the door lock.</p>	P. 40
A strange sound (too~t, too~t, too~t) occurs when the door lock operates.	<p>It is notifying you that the batteries need to be replaced. Please change the batteries within 1 week.</p>	P. 16

Operating Method Summary

Function	Default	Setting or Releasing (Press the buttons in the given order.)
Initialization (Password, card, key tag and remote controller all deleted.)	–	Press and hold the [Password] ● button for 5 seconds → Enter the current password or '4560852580' → Press the [*] button ※ The password is set to '1234' after initialization.
Password Registration/Change	Current Password or '1234'	[Password] ● button → Current password entry + [*] button → New password entry + [*] button → New password reentry + [*] button
Card or Key Tag Registration	None	[Register] ● button → Password entry + [*] button → Card or key tag recognition → [*] button
Card and Key Tag Delete	None	Press and hold the [Register] ● button for 5 seconds → Password entry + [*] button
Remote Controller Registration	None	[Remote] ● button → Password entry + [*] button → Press and hold the [OPEN] button of the remote controller for 3 seconds
Remote Controller Delete	None	Press and hold the [Remote] ● button for 5 seconds → Password entry + [*] button
Wireless HA Device Registration	None	[Remote] ● button → Password entry + [*] button → Twice press the [Function] button of the device to be registered ※ Please call the service center if you wish to delete the wireless HA device.
Opening the Door from Inside	–	Door Lock Handle: Rotate the indoor unit door lock handle downward. Remote Controller: Press the [OPEN] button of the remote controller. Wireless HA Device: Press the [Open Door] button of the wireless HA device.
Closing the Door from Insider	–	Automatic Locking: Close the door. Manual Locking: Press the [Close] button or the [OPEN] button of the remote controller.
Opening the Door from Outside	–	Card or Key Tag: Press the [Card Reader] button → Expose the card or key tag to the reader within 5 seconds. Password: Push up on the number cover → Enter the password → [*] button Emergency Key: Insert the emergency key in the emergency keyhole and rotate it to the right and to the left.

Function	Default	Setting or Releasing (Press the buttons in the given order.)
Closing the Door from Outside	—	Automatic Locking: Close the door. Manual Locking: Push up and pull down on the number cover, or press the card reader button.
Automatic Locking Setting	Automatic Locking	Place the [Auto/Manual] toggle switch in the 'Automatic'  position.
Manual Locking Setting		Place the [Auto/Manual] toggle switch in the 'Manual'  position.
Right Hand / Left Hand Setting	5 ("Right Hand")	Press and hold the [Password]  button for 5 seconds → Press  or  → 
Sound Setting / Releasing	2 ("Setting")	Press and hold the [Password]  button → Press  ,  or  + 
Security Function Setting	—	Press and hold the  button for 3 seconds while the door is locked → Password entry + 
Security Function Release		Enter the password or place the card or key tag.
Emergency Sound Deactivation from Inside	—	Press one of the registration buttons.
Emergency Sound Deactivation from Outside		Enter the password or place the card or key tag.
Double Locking Setting	—	Press and hold the [Close] button for 2 seconds or longer while the door is locked.
Double Locking Release	—	Rotate the indoor unit handle downward.

Product Specifications

Item	Specifications	
Voltage	8 AA Alkaline 1.5 Batteries (LR6) (6V)	
Emergency Power Source	1 9V Battery (6LF22) (Separately purchased)	
Operation Method	Electronic Control Method (Password entry or card or key tag reading)	
Weight	1.8 Kg (including both indoor and outdoor units)	
Product Dimensions	Outdoor Unit	80.2 mm (W) × 285.4 mm (H) × 76.1 mm (D)
	Indoor Unit	78.6 mm (W) × 305.1 mm (H) × 78.1 mm (D)
	Key Tag	23.5 mm (W) × 54 mm (H) × 6 mm (D)

The content of this manual is subject to change without prior notice to the user in order to enhance performance of the product.

	
Product Name (Model Name)	Wireless device using extremely low power radio (SHS-5020)
Certificate Number	SCT-SHS-5020
Trade Name of Certificate Grantee	Seoul Commtech
Country of manufacturing	Republic of Korea



Product Warranty

Seoul Commtech Products are supplied with one(1) year warranty base from the date of purchase, we'll repair or replace the defective product with a new or factory rebuilt replacement.

Subject of Warranty

1. This warranty applies to the original purchase only.
2. All warranty will be invalid if unauthorized repair or modifications are made to the unit or in any case of accident, misuse, damage caused by improper installation and altered serial numbers.
3. If you need a warranty service, you should send the product to customer Dep't or dealer office, the product in all cases must be accompanied by the following items:

Customer name, address, telephone number, the serial numbers, copy of customer sales receipt showing the purchase date and place

The Model number is on the box and front of the manual. The serial number is on the unit.

Record the Model and serial numbers in the spaces provided below.

Refer to these numbers for warranty service.

Model No. **SHS-5020**

Serial No.

Home Systems

EZON





SEOUL COMMTECH CO., LTD.

448-11, Seongneung-dong, Kangdong-ku, Seoul, Korea
Post Code : 133-034
Phone : +82-2-2225-6709
Fax : +82-2-2225-6073
E-mail : sales.ezon@samsung.com
Homepage : www.scommtech.com