SAMSUNG SDS

CLAM-I(SING-SDO)

SHP–P72
User Manual

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※ Color may be added and specifics will be determined by future policy.

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Safety Caution

Safety caution protects the safety of users, and prevents property damage from accidents and usage inconvenience. Please read and comply with the following safety caution.

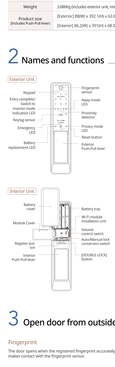
- Do not install or repair this product without permission.
- The gap between the door and door frame should not exceed 5mm during installation. Failure to do so may result in injuries from the door mechanism operation.
- Wear thick gloves when installing the product to avoid injuries from sharp edges. Therefore, avoid the environment from being exposed to direct sunlight or high temperature.
- Do not apply excessive force or press the door lock button with sharp tools. Do not operate the product with wet hands, and do not let liquids such as water and coolant leakage to infiltrate the product.
- Wipe the lock with soft and dry cloth, and do not wipe the product with water, solvent, or oil such as thinner.
- Check that the door is completely closed when leaving home.
- Manage your password carefully and regularly change your password to prevent exposure.
- Insert the batteries accurately according to the terminal (+/-) of the batteries. Be mindful that battery leak or rupture may result from inserting the batteries at opposite terminals (+/-).
- Battery consumption may vary depending on the wireless communication environment, and battery use time may decrease if communication environment is unfavorable.
- Wireless radio waves or another device may cause interference when using the product. Therefore, please keep a distance from the electronic medical devices or other electronic devices of this product, and the results in suspension of human safety-related services. Product performance may suffer if used in an environment with high humidity. Maintain at least 20cm of distance from the product when using the product.
- The company reserves the right to change the contents of the user manual without notice in advance to upgrade product functionality.

1 Components

Product specifications

Item	Specifications
Rated voltage	4.4A 1.5V alkaline batteries (LR6) (DC 6V)
Emergency Power	Smartphone portable charger with micro USB 5.2V power connector
Entry method	Fingerprint, password, keytag, Mechanical override
Weight	3.08kg (includes exterior unit, interior unit, and mortise)
Product size (Includes Push-Pull lever)	Exterior: 88(W) x 392.1(H) x 63.8(D)mm Interior: 86.2(W) x 391(H) x 68.5(D)mm

2 Names and functions



3 Open door from outside

Fingerprint

The door opens when the registered fingerprint accurately makes contact with the fingerprint sensor.

Master Password & User Password

① Stand close to the door lock and then press the two random digits displayed. (Randomizer function)

② When all buttons on the keypad are displayed, enter your password (4~12 digits) and then press [*] to open the door.

TIP User manual function (sound mute) can be used to mute the sound.

Reference Even if the sound mute function is activated, the sound will be produced when the door is locked.

References
- Use the password when the keypad is turned on. If the keypad is turned off, touch the keypad to turn on the keypad and then enter the password.
- Once door is unlocked and the door lock operation is suspended for 3 minutes (the warning or error sound is produced), the door lock will automatically return to the initial state. Please touch the keypad or fingerprint sensor to re-operate the door lock system after 3 minutes.
- Do not let others see your password. Consider using a key after entering an incorrect password to re-enter the accurate password.

Keytag/Mobile Key

The door opens when a registered keytag or mobile key (smartphone) accurately contacts with the fingerprint sensor.

Reference Touch the keypad when the sensitive function has been disabled and then place the mobile key on the sensor.
You can open the door with mobile key after installing the door lock app and registering mobile key.
Mobile Key door open function only supports Android mobile phones that are equipped with NFC (USB Lite).
Mobile key may not open the door quickly when the smartphone screen is on. Refer to user guide provided in the app for details.

4 Open/Close door from inside

Open by Pulling or Pushing the Push-Pull Lever

You can choose to open by pulling or pushing the Push-Pull lever depending on the direction of door installation.

Close Door

Auto lock (A)

The door is automatically locked when closed. (Default)

Manual lock (M)

The door is not locked even after being closed for unrestricted access. (Party, evening, etc.)

TIP How to Configure Auto/Manual Lock
Open the battery cover of the interior unit.
Configure Auto/Manual lock using the control switch.

Caution After enabling manual lock mode, the door can only lock if the [DOUBLE LOCK] button is pressed from the inside of the keypad is pressed from the outside.
Regardless of the manual lock mode configuration, the door is automatically locked if the door is not opened within 1 second after shutting the door.

5 Register authentication method

You can only register the authentication method when the door is open.
After the door is closed, open the interior unit, press [*] [Register] button and follow the instructions. Refer to the following for the detailed registration method.

- Read the instructions for registering authentication method and it is recommended to register when there is a person present inside the house.
- Do not register the authentication method when the door is open because it has been entered and you can register against the intention of the user.

Press the **[Register] button on the interior unit** if you have to **suspend registration before completion.**

Each setting can be checked through the door lock keypad.

Registration Mode

Enter registration mode and then register authentication method (password, keytag, fingerprint) according to the voice guidance.

※ Registration mode is maintained for 60 seconds by default and the door does not lock even if it is closed within 60 seconds.

Change Master Password

You can enter 4~12 digits for the password, and you can only register a single master password. Default password is "1234".

※ You must change the master password after installing the product.

Register (Add) User Password/Delete Individual User Password/Delete All User Passwords

You can register up to 100 keytags including passwords and mobile keys. Registered passwords can be deleted individually or collectively. (4~12 digits)

Register (Add) Keytag/Delete Individual Keytag/Delete All Keytags

You can register up to 100 keytags including passwords and mobile keys. Registered keytags can be deleted individually or collectively.

References
- Press the door open sensor with the door open to artificially close the door, and then open the door and register/delete keytag. Refer to the following for the detailed registration method.
- Keep the keytag sensor clean and free from foreign substances.

Caution This product only supports Keytag compatible provided by Samsung SDS.
Warranty is void if the door lock is malfunctioning from opening the door using alternative authentication method aside from the keytags prescribed by the company.

Register (Add) Fingerprint/ Delete Individual Fingerprint/Delete All Fingerprints

You can register up to 100 fingerprints.
Registered fingerprints can be deleted individually or collectively.

How to Register Fingerprint
Place a finger on the fingerprint sensor to register.
Change the angle of the finger 5 times and make contact with the sensor when registering fingerprint.

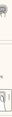
1. Number of remaining slots for fingerprint appears on the keypad with the 1(ring) sound when registering fingerprint. Refer to the following for the detailed registration method. Refer to the following for the detailed registration method. Refer to the following for the detailed registration method.
2. Fingerprint. Press the fingerprint button on the interior unit to register fingerprint.

References
- It is recommended to register fingers in order fingers when registering fingerprints. Register the fingerprint in a finger you can effect if you wish to change fingerprint recognition etc.
- Fingerprint recognition may be difficult if a fingerprint of a subject (the fingerprint is faint or damaged). Fingerprint may not be registered or recognized if such a subject if the surface of the fingerprint is in rough (damaged or bubble present on the fingers).
- Fingerprint may be difficult to be recognized if the surface of the fingerprint is in rough (cut, scratch, etc.). If the fingers is dry, or if it is too flat fingers is used for authentication, it may be difficult to recognize fingerprint. Moisten the fingers or use other fingers if it is difficult to recognize fingerprint. If the fingerprint sensor or the finger is dirty or wet, it is again after wiping.
- Fingerprint recognition may be difficult if the fingers are too small or too large. Use other alternatives, avoid using fingerprint recognition in order to avoid contact with sensor. Register other fingerprint recognition to alternate slots and try again.
- Fingerprint may be difficult to be recognized if there are scars, injury, lacerations, or other unstable objects.
- Clean the door after checking that the fingerprint has been added or deleted accurately.

Samsung Smart Doorlock app Installation and registration

When you register a door lock to Samsung Smart Doorlock app, you can use various IoT services including remote door open, access function, push notification, etc. Android users can search for Smart Doorlock' app in Play Store to download and install, and iOS users can search for 'Smart Doorlock' app in the App Store to download and install.

TIP How to Register Wi-Fi
Open the battery cover of the interior unit.
Set it upwards to register Wi-Fi.



Caution Wi-Fi mode must be set to register door lock. When using dual-band router (2.5GHz, 5GHz), you must select 2.4GHz 20MHz band separately.
Wi-Fi mode can be automatically changed by the app for door lock registration method and other remote control functions.

6 Additional functions and setting method

Welcome Function

When a user stands close to the door lock, the keypad is automatically displayed, and keytag and fingerprint sensor areas also enter authentication standby mode. Welcome function and alarm notice function are enabled, and the voice guidance and alarm are triggered when the user stands in front of the door lock for more than a minute.
Welcome function is on by default, and alarm notice function is set to Off by default for the door lock system.

Dual Authentication Function

When configured, the user must successively authenticate both password and fingerprint to open the door, and the security system is reinforced through this configuration. Dual authentication mode can only be configured (enabled) when more than one fingerprint has been registered. Dual authentication function is set to Off by default for the door lock system.

Auto Lock Time Setting Function

Auto lock time can be configured and auto lock time can be adjusted as necessary.

Voice Guidence

A voice provides assistance regarding the door lock operation status.
voice guidance function is set to On by default for the door lock system.

Wi-Fi Configuration Function

When the Wi-Fi module has been equipped on the door lock, the Wi-Fi function is set to On by default for the door lock system. App-based services cannot be used when this function is turned off. It is recommended to turn off the Wi-Fi function if the app is not being used. (Can reduce battery consumption)

Volume Settings

You can configure the volume for system sound, keypad entry sound, voice guidance, etc. when opening the door. Open the battery cover on the interior unit to adjust volume through the volume control switch, and it is configured at [1] by default.

[0] Mute (Alarm excluded) [2] Max. volume

Refer to the following table to configure or disable other additional functions.
Open the battery cover on the interior unit and press (Register) button.
Press the exterior keypad security button ( ) according to the voice guidence to enter configuration mode. Select a function to use according to the voice guidence, and press the **Register button on the interior unit to suspend configuration before completion.**

※ Door is not locked even if the door has been closed within default time (within 1 minute) in configuration mode.

To activate Welcome function and Security mode	> > 1 > 1
To activate Welcome function	> > 1 > 2
To deactivate Welcome function	> > 1 > 3
detection range : close range setting	> > 1 > 4 > 1
detection range : middle range settings	> > 1 > 4 > 2
detection range : long range settings	> > 1 > 4 > 3
To activate Randomizer	> > 2 > 1
To deactivate Randomizer	> > 2 > 3
To activate Dual authentication	> > 3 > 1
To deactivate Dual authentication	> > 3 > 3
Door closing time	> > 4 > 1
To activate Voice guidance	> > 5 > 1
To deactivate Voice guidance	> > 5 > 3
To activate Wi-Fi	> > 9 > 1
To deactivate Wi-Fi	> > 9 > 3
WPS mode	> > 9 > 5

References
- Recognition distance may vary in an environment exposed to sunlight or intense light
- When configuring (enabling) the welcome mode in houses with corridors exposed to sunlight or houses with lighting on permanently, be mindful that the door lock system will automatically sound the alarm when this function is used.
- What is WPS (Wi-Fi protected setup)? This is a function designed for app users. After completing Wi-Fi registration and when the wireless router must be changed during use, you can connect to security settings via Wi-Fi for easy configu ration without a complex configuration process. This mode can only be used in an environment that can support a WPS wireless router. Refer to the wireless router User Manual for WPS instructions for the wireless router. Wireless router can only be used normally after registering Wi-Fi again when the wireless router does not support WPS.

7 How to use security function

Randomizer Function

Enter two random digits displayed and then enter password for authentication to prevent password leak. Randomizer function is set to On by default for the door lock system.

Away mode Function

Away mode button ( ) is turned on when the door is locked after the user leaves the house. Press the away mode button ( ) within 3 seconds to configure (enable)the function. After configuring (turning on), the alarm will be triggered as the external alarm LED flashes when the door is opened from the inside. It is recommended to only use this function when there is no one home.

Lockout mode

This is a function to increase the difficulty of opening the door from the inside. This prevents a stranger from forcefully opening the Push-Pull lever from the inside through abnormal methods when there is no one home.

TIP How to Disable Alarm
To disable the alarm, use the registered authentication method (fingerprint/Password/keytag/Mobile keyapp) to open the door.

Caution When the away mode function is disabled from inside, press the [DOUBLE LOCK] button on the indoor lock to disarm the current state, and open the door with the handle to easily open the door. (Alarm triggered)

References Press (*) button within 3 seconds after turning on the away mode function to enable the Lockout mode.

Privacy mode Function

This function is configured when all family members have returned home in the evening, or to protect personal privacy, and it can restrict the door from being opened from the outside. Door lock cannot be opened through any authentication method from the outside when this function is enabled. Be careful not to configure this function when a child is present indoors.

※ Only use this function when there is a person inside when configuring (enabling) this function through the app.

Configure :
Press the [DOUBLE LOCK] button on the interior unit for 3 seconds with the door lock being locked to enable the function.

Disable :
The function is immediately disabled when the door is opened from the inside.

Anti-Tampering Function

(Door lock operation is suspended for 3 minutes when authentication fails 5 consecutive times.)

The door triggers the alarm when the operated incorrectly from the outside (outdoor), and the door lock operation is suspended. The door lock triggers a failure alarm and its operation is suspended for 3 minutes (cannot be used) after failing authentication 5 times consecutively. (Password, fingerprint, keytag, mobile key authentication failure).

Intrusion Detection Function (※ Default function and cannot be disabled)

The door lock triggers the alarm when the door is forcefully opened from the inside/outside. The door opening sensor detects an intrusion and the alarm is triggered for 5 minutes when the door is forcefully opened with the door lock being locked.

High Temperature Alarm Function (※ Default function and cannot be disabled)

The alarm system is activated with the temperature sensor reacting to an abnormal increase in indoor temperature (approx. 70°C ~ 10°C). LED on the [DOUBLE LOCK] button on the interior unit flashes as the alarm is triggered for 15 seconds.
The door lock is automatically disabled after the alarm is turned off.
(The door lock is restored to normal operational state when the indoor temperature drops to a certain temperature)

8 Initialization

Initialize the linked information (Wi-Fi)

This resets the mobile key and Wi-Fi registration information.
(Master password, user password, fingerprint, and keytag information are maintained)

Initialize the key information

Password is reset to '1234'
and all registered fingerprints, keytags, and app information are deleted.

TIP What is reset? It is a function to perform factory reset for all information configured for the door lock.

Caution Password is changed to '1234' after reset. You must change the password afterward.

9 How to replace the battery and open the door during an emergency

Battery Replacement

Replace the batteries immediately if the voice guidence is activated after the battery replacement alarm (LED) is turned on. Continuing to use without replacing the batteries on time may result in the door lock shutting down due to lack of battery power. Replace the batteries by pushing the interior unit cover upwards to remove the cover.

Caution
- Battery use time may vary depending on the battery manufacturer, manufacturing date, and environment of use. (6 Alkaline batteries (1.5V AA) can be used for 10 months when used 10 times per day, use time may be less than 10 months when Wi-Fi function is used)
  Regularly check the battery state
  (6 months is recommended to prevent damage to product from battery leak.
  When the battery replacement alarm is displayed on the door lock, some functions such as enter registration mode, enter configuration mode, etc. may be restricted until the batteries are replaced.

Emergency Door Open

When the door lock is continued to be used without replacing the batteries despite the battery replacement alarm, you won't be able to use the door lock normally due to a lack of battery power. Emergency power (Smartphone portable charger with micro USB 5-pin connector) or mechanical override may be used to open the door in such an instance.

Emergency Power

Connect the smartphone portable charger with micro USB 5-pin connector to the Micro USB power input at the bottom of the exterior unit through micro USB 5-pin cable, and perform authentication (fingerprint/password/keytag) to open the door by disabling the door lock.

Mechanical Override

Mechanical override can be used to open the door by disabling the door lock when the door lock no longer operates due to lack of battery power or other circuit errors. Insert the mechanical override in the mechanical override hole at the bottom of the exterior unit and turn the key left or right to open the door.

Caution
- Contact Samsung SDS customer service center (400-818-0177) to inquire about total key chip replacement when the mechanical override has been misplaced.
  (Total key chip replacement is a paid service.)
- Keep the mechanical override at a safe location outside of the house for unforeseen circumstances. (Vehicle, office, etc.)