USER MANUAL

GATE LOCK

Fingerprint
Password
RFID Card
Emergency Key
Remote Control
Wi-Fi

The default password is 123456.

Please change to new password.
Ensure not to use consecutive or repetitive numbers for your safety.

PTSP5223ONTA REV.04

Safety Cautions

- The manual should be read thoroughly before operating the product.
- For security the password should be changed on a regular basis.
- When the batteries are inserted in reverse positions it may result in liquid leakage or rupture.
- When the batteries are flat all the batteries should be replaced.
- Please replace with new batteries do not use used ones to replace.
- Do not install disassemble or repair without the assistance of a product repair technician.
- Use soft and dry cloth to clean the product.
- Do not press or insert the buttons with awls or pins.
- Do not use the product for any purpose other than a digital door lock.
- Do not to let water get into the product.
- This product is a household use, and cannot guarantee normal functioning in any other environment settings.
- Do not subject the product to any severe impact.

Product Specification

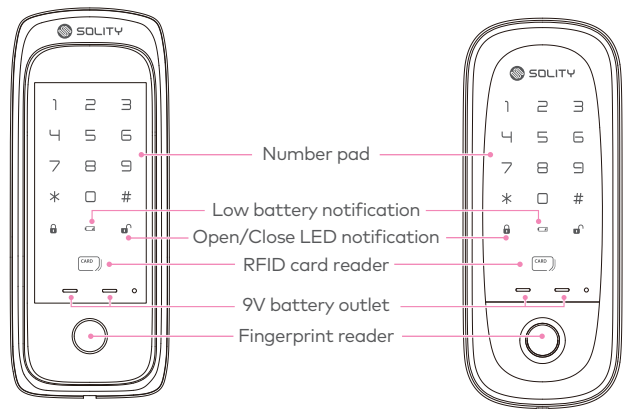
Installation condition	Door thickness	22~30mm
Opening method	Password RFID Card Fingerprint	4~12 digits up to 4 passwords may be registered. Up to 100 RFID cards may be registered. Up to 100 fingerprints may be registered.
Rated voltage	DC 6V	LR6 1.5V AA alkaline battery
Emergency power supply	DC 9V	9V Battery (6LF22) (sold separately)
Sensing high temperature	Temperature sensor	72°C±5°C (Laboratory environment) 62°C±5°C (General environment)
Material	Outdoor body Indoor body	Zn, ABS, PC Zn, ABS

The contents of this user guide are subject to change without prior notice in order to enhance performance of the product.

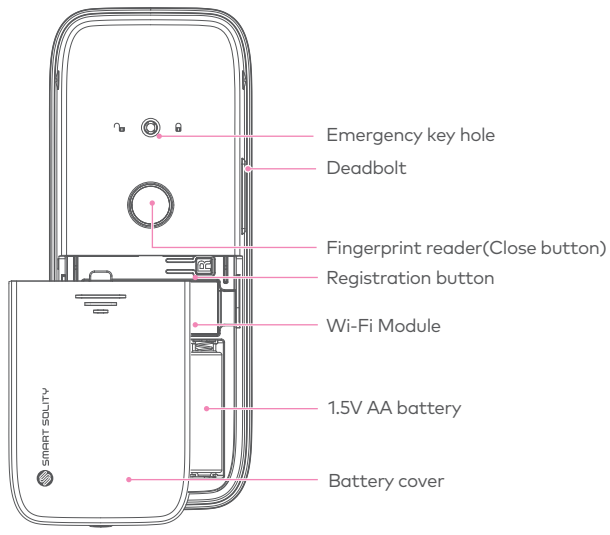
Caution

This product is a door lock without mechanical key override. Thus, if it does not work, you can damage a part of the door lock. You need to fully understand how to use the manual locking switch to prepare for an emergency.

Names of Individual Parts (Outdoor Body)



Names of Individual Parts (Indoor Body)



Product Components

* The product components may change depending on the installation environment.

User manual	RFID Card	Screws
Striker	Drilling guide (*Installation manual)	
'AA' Batteries (LR6)	Wi-Fi Module	

Sold separately

BLE Module	Smart Bridge	Video door phone module

How to enter Registration mode [R]

1. Open the battery cover and press [Registration] button.
2. Enter Master password and press [✳] button.

* Initial default master password is '123456'

How to change Master Password [M]

1. Open the battery cover and enter [Registration] mode.
2. Press [0] button and press [✳] button.
3. Enter Master password and press [✳] button.

R ▶ 0 ▶ ✳ ▶ M ▶ ✳ [M] Enter 4~12 digits for new master passsword

How to Register/Change User Password [U]

* Follow below instructions while the door is open

1. Open the battery cover and enter [Registration] mode.
2. Press [1] button and press [✳] button.
3. Enter User password and press [✳] button. * Enter between 4 ~ 12 digits

R ▶ 1 ▶ ✳ ▶ U ▶ ✳ [U] Enter 4~12 digits for user passsword
4 ~ 12

- Up to 4 passwords can be registered.
- Before the number pad LED goes out, enter the new passwords by repeating step 3 as the above.
- If there is no interaction for 10 seconds during the Registration process, it will be automatically canceled.
- **When new passwords are registered, existing passwords will be automatically deleted.**

How to Register RFID Cards

Follow below instructions while the door is open

1. Open the battery cover and enter [Registration] mode.
2. Press [2] button and press [✳] button.
3. Tag the RFID card against the RFID reader.
   (Listen to the beep sound every time a new RFID card is registered)
4. Press [✳] button to end registration is complete.

R ▶ 2 ▶ ✳ ▶ CARD ▶ ✳

- Up to 100 RFID cards can be registered.
- Before the number pad LED goes out, tag the RFID cards by repeating step 3 as the above.
- If there is no interaction for 10 seconds during the Registration process, it will be automatically canceled.
- **When new RFID cards are registered, existing RFID cards will be automatically deleted.**
- **Only use the RFID cards provided with the product.**
  Solity will not be held responsible if any problem occur by using other RFID cards that weren't provided by Solity.

How to Register Fingerprints

* Follow below instructions while the door is open

1. Open the battery cover and enter [Registration] mode.
2. Press [3] button and press [✳] button.
3. Scan your finger on the fingerprint reader and repeat to scan according to the number pad instructions.
   * Total 3 scans are required
4. Press [✳] button to end registration is complete.

R ▶ 3 ▶ ✳ ▶ ● 1 2 3 ▶ ✳
3times

- Up to 100 fingerprints can be registered.
- Before the number pad LED goes out, scan your fingerprint by repeating step 3 as the above.
- If there is no interaction for 10 seconds during the Registration process, it will be automatically canceled.
- **When new fingerprints are registered, existing fingerprints will be automatically deleted.**

How to Delete Passwords / RFID Card / Fingerprint

1. Open the battery cover and enter [Registration] mode.
2. Press [1] button : To Delete User passwords
   Press [2] button : To Delete RFID cards
   Press [3] button : To Delete Fingerprints
3. Press [#] button for 5 seconds.

R ▶ 1 Password 2 RFID card 3 Fingerprint ▶ # 5 seconds

- The delete process will be canceled if [#] button is not pressed for 5 seconds and hearing the notification alarm.

Opening the Door From Outside (With Fingerprint)

Scan the registered fingerprint against the reader.



- Press [#] button before inputting the Fingerprint to enter silently.
- Be careful not to input for more than 3 seconds when opening the door from indoors. (Internal double lock setting when input for more than 3 seconds)

Opening the Door From Outside (With Password)

1. Touch the number pad.
2. Enter 4~12 digits for the password.
3. Press [✳] button and it will unlock with a beep sound.



▶ Password ▶ ✳

- You can enter random number before or after pressing the password.
- Press [#] button before inputting the password to enter silently.

- If you are worried about exposing your password, please use random number function. (Up to 20 digits can be pressed)
- When wrong password is entered for 5 consecutive times, the lock will not work and sound an alarm for 1 minute.

Opening the Door From Outside (With RFID Card)

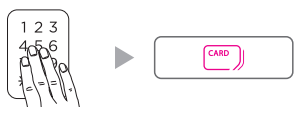
Automatic Detection Mode

Tag the registered RFID card against the reader.



Manual Detection Mode

Touch the number pad and tag the registered RFID card once it lights up.



- Press [#] button before scanning the RFID card to enter silently.
- Default setting is Automatic Detection Mode.

Opening the Door from Inside

Unlock the door using mechanical keys,
App [Smart Solity] when connected and registered fingerprint.



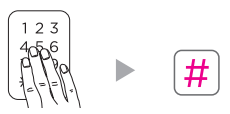
Locking the Door from Outside

Automatic Lock Mode

When the door is closed, it will be automatically locked within 2 seconds.

Manual Lock Mode

Touch the number pad and press [#] button. Then the door will be locked.



- Default setting is Automatic Lock Mode.

Locking the Door from Inside

Automatic Lock Mode

When the door is closed, it will automatically lock within 2 seconds.

Manual Lock Mode

When the door is closed, scan your fingerprint on the fingerprint reader or lock it using the mechanical keys.



* While the door is closed and is not opened after unlocked, it will automatically lock in 7 seconds.

How to Pair Gate Lock with the door lock

1. Touch the number pad on the Gate Lock
2. Enter password and press [#] button and then [1] button
3. Open the Door Lock battery cover and press [Registration] button
4. Enter registered password, tag RFID card or scan fingerprint
5. The locks will be paired with a beep sound

Step 1 [Gate Lock]  ▶ Password ▶ # ▶ 1

Step 2 [Door Lock] 

Step 3 [Gate Lock]  ▶ Password or RFID card or Fingerprint

How to Unpair Gate Lock with the door lock

1. Touch the number pad on the Gate Lock
2. Enter password and press [#] button and then [4] button
3. Open the Door Lock battery cover and press [Registration] button
4. Press [0] button and then [#] button for more than 5 seconds.
5. The locks will be unpaired with a beep sound.

* Gate Lock

 ▶ Password ▶ # ▶ 4

* Door Lock

 ▶ 0 ▶ # 5 seconds

How to Connect with the Smart Bridge (Optional)

When Smart Bridge is connected, Smart Solity App can be utilized remotely such as from your office or even abroad.

1. Assemble Smart Bridge with the adapter and plug it into the power outlet.
2. Run [Smart Solity] and select Function settings.
3. Press Connect Smart Bridge and follow the instructions accordingly.



· Plug in Smart Bridge close to the door lock.
· BLE module and Smart Bridge are sold separately.
· Please refer to the Smart Solity APP on how to reset.

Module/Remote Control Setting (Optional)

How to Register

1. Open the battery cover and enter [Registration] mode. R ▶ 8 ▶ ✳
2. Press [8] button and press [✳] button.
3. Press [Registration] button on the video door phone module.
4. Press [✳] button on the number pad to complete.

Press [Open] button on the remote control. (up to 5 remote controls can be registered)

How to Delete

1. Open the battery cover and enter [Registration] mode. R
2. Press [8] button. 8
3. Press [#] button for 5 seconds. # 5 seconds

· To add video door phone module and/or remote controller for registration, repeat #2 before the number pad light goes out (up to 5 can be entered).
· To use video door phone module, purchase a separate module to install.
· When new video door phone module or remote control is registered, existing devices will be automatically deleted.
· When there is no input for 10 seconds during the process, the registration will be canceled.
· In order to use the video door phone module, you also need the receiver module.

External Force Lock (Double lock from outside)

This function prevents the door from opening from the inside.

1. While the door is locked, enter password.
2. Press [#] button
3. Press [0] button to enable the function

Password ▶ # ▶ 0

· This function could be disabled when authenticated from the outside or using the mechanical key from the inside.

Internal Force Lock (Double lock from inside)

This function prevents the door from opening from the outside.

While the door is locked, scan your fingerprint on the indoor unit for 10 seconds.

10 seconds

· This function could be disabled when fingerprint is scanned for 10 seconds from the inside or unlocked using the mechanical key.
· It could be disabled from the outside by entering password -> [#] -> [9]. This only disables the function and doesn't unlock the door.

Automatic / Manual Lock Mode

This function will allow to automatically/manually lock the door.

Automatic Lock Mode

Touch the number pad ▶ Password ▶ # ▶ # ▶ 4

Manual Lock Mode

Touch the number pad ▶ Password ▶ # ▶ # ▶ 7

· Default setting is Automatic Lock Mode.
· In automatic lock mode, the door will automatically lock within 2 seconds after it is closed.
· In manual lock mode, the door will not lock even if it is closed. You need to either press the [Open/close] button or touch the number pad and press the [#] button to lock.

Deadbolt Alarm

While the deadbolt unlocks/locks the door, if it doesn't fully extend or withdraw, an alarm will sound (3 beeps).

· If the alarm doesn't stop or the product does not function properly, re-adjust the position of the lock so there is no interference of the deadbolt.
· Please contact your nearest Customer Service if it repeats often.

Low Battery Alarm

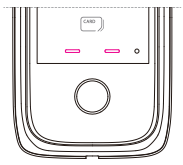
While the lock operates normally but sounds an alarm with the low battery LED notification, the batteries needs to be replaced. Ensure to replace all 4 batteries at once.

· When the batteries are flat all of them need to be replaced.
· Do not mix batteries with different manufacturers or brand.

How to use Emergency Battery

When the batteries are completely flat and the lock doesn't function, prepare a 9V battery for emergency entry.

1. Contact 9V battery against the 9V battery outlet.
2. Touch the number pad and then enter the password.
   (Touch the number pad only when the number pad is not lit.)
3. Press [✳] button and with a beep sound the product will be unlocked.



Break-in Alarm

While the door is locked and if the product senses any sign of abnormal attempts to open it with force, the alarm will go off with the sound reaching 80dB.

How to deactivate the break-in alar

Remove the batteries, enter password, tag RFID card or scan your fingerprint.

RFID Card Detection

This function will allow to scan the RFID Card Automatic or Manually.

Automatic Detection Mode

Touch the number pad ▶ Password ▶ # ▶ # ▶ 1

Manual Detection Mode

Touch the number pad ▶ Password ▶ # ▶ # ▶ 3

· Default setting is Automatic Detection Mode.
· In automatic detection mode, simply tag the RFID card against the reader to unlock.
· In manual detection mode, touch the number pad and the scan the RFID card against the reader.

Volume Control

Volume can be adjusted when the door is locked.

To Increase

Touch the number pad ▶ Password ▶ # ▶ 3

To Decrease

Touch the number pad ▶ Password ▶ # ▶ 6

· Volume can be adjusted to 7 levels including mute.

How to Connect Smart Solity

1. Wi-Fi module is already installed in the product.
2. Install the APP [Smart Solity] on your phone and follow the instructions from it accordingly.

· Go to Google Play store or APP Store to download [Smart Solity].

How to Reset Wi-Fi module

1. Open the battery cover and enter [Registration] mode.
2. Press [7] button.
3. Press [#] for 5 seconds and the Wi-Fi module will be initialized with a beep.

 ▶ 7 ▶ # 5 seconds.

· Use this function when you have lost or changed your phone, and unable to delete through the APP.

High Temperature Alarm

When the lock senses a high temperature (62℃ ± 5 ℃) with a risk of fire, an alarm will sound in high volume to acknowledge the danger and the door will be automatically unlocked for safe exit

· If the indoor body is exposed to direct sunlight, it may cause the high temperature alarm to go off.
· Even under Forced Lock Mode, the door will automatically unlock.

Prank Alarm and 1-minute Lock Down

When unregistered password, RFID card or fingerprints are entered wrong for 5 consecutive times, the lock will not function for 1 minute with an alarm.

·Try again after the 1 minute lock down has been disabled.

Trouble Shooting

Trouble	Solution
Product does not turn on.	Please check the direction the batteries are inserted and check polarity marking. Please replace all of the batteries (alkaline). Please check the battery status and/or the whether the battery is flat.
Password is not changed.	Touch the [Registration] button with a short beep sound. Refer to How to Register and/or Change password in the user manual.
Door does not open even after entering the password with the [✳] button touched.	Check whether the password is entered correctly. If the key pad lights are out while entering the password, the buttons cannot be touched touch the number pad. once again to light and then enter the password once again.
Registered information can be verified with the password/RFID cards but the door does not open.	Use 9V emergency battery (square battery) for one more attempt. Locking device may be one of the major causes contact the service center for assistance.
When being used, the product keeps making beeping sounds.	The alarming sound signals battery replacement. When there is the beeping sound, replace all the batteries (alkaline) with new ones.
Door does not lock automatically.	Please reset to auto mode. When the batteries are flat, the product will only make sounds but does not function. Please replace all 4 batteries (alkaline).