

USER MANUAL

Mortise Gate Lock

G1

 matter

 SMART SOLITY

Facial Recognition
Fingerprint
Password
RFID Card
Emergency Key
Remote Control

Wi-Fi / Matter

The default Administrator password is 123456.

Please change to new Administrator password.
For your safety, do not use consecutive or repetitive numbers.

PTMPB470ONTA REV.01

Enter the Registration Mode

- Not inputting anything for 10 seconds will cancel the authorisation.
- An error will occur if you enter a password with less than 6 digits or more than 12 digits and the authorisation will be cancelled.
- When entering an administrator password, pressing the [#] button will reset the entry.
- Pressing the [#] button without any entry or pressing the [Register] button during authorisation will cancel the authorisation.

Authorise with an Administrator Password

- Press the [Register] button.
- Input an administrator password.
- Press the [#] button.

 Admin Password  #

* Default password : 123456

For all settings such as changing the password or registration of the card/fingerprint and deletion of any authorisation, you must enter "Registration Mode" first and follow the next step.
The initial master mode is set to "R Button Input - Initial Password (123456) - #".
Please change the administrator password and register the administrator card to set the master mode before using it.

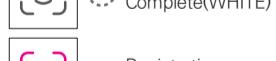
How to Register 3D Facial Recognition

Ensure the door is open when registering /changing the password.



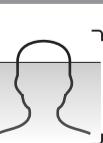
The recognisable distance is between 45-100cm and the recognisable height is between 120-190cm.

* The height could differ depending on the installation height of the lock.



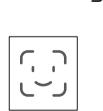
100 face IDs can be registered.
Existing face IDs won't be deleted when additional face IDs are registered.
Do not wear a mask, hat, sunglasses or eye patch during registration.
Make sure to look into the camera and not blink or change expression.
Identical twins or people with very similar appearance could be recognized and cause the door to unlock.

Open with Facial Recognition



IR Sensor Enabled

- When someone approaches near to the lock within 80cm, the IR sensor detects this and will go into facial recognition standby mode.
- Under facial recognition standby mode, when the face is between 45-100cm, the lock will unlock when a registered face ID is scanned.



IR Sensor Disabled

Touch the keypad to enter facial recognition standby mode.

After entering standby mode, scan face ID to unlock.

- Facial recognition and IR sensor will operate while the door is locked.
- IR sensor will work again 1-3 seconds after the green lock icon is turned off.
- Under facial recognition standby mode, IR sensor will be turned back off if there are no attempts of facial recognition for 5 seconds.
- When part of the face is blocked with a mask, hat, sunglasses or eye patch, recognition will fail.

Safety Cautions

- The manual should be read thoroughly before operating the product.
- For security purposes, 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, not used ones.
- Do not install, disassemble or repair without the assistance of a product repair technician.
- Use a 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 let water get into the product.
- This product is for household use, and its normal functioning cannot be guaranteed in any other environment or setting.
- Do not subject the product to any severe impact.

Product Specification

Installation condition	Gate thickness	25mm
Opening method	Password RFID Card Fingerprint Facial Recognition	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. Up to 100 face IDs.
Rated voltage	DC 6V	LR6 1.5V AA alkaline battery
Emergency power supply	5V USB C-Type	Portable power bank (sold separately)
Sensing high temperature	Temperature sensor	72°C±5°C (Laboratory environment) 62°C±5°C (General environment)
Material	Outdoor body Indoor body	PC, Al, Zn PC/ABS, ABS, Al

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

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 our customer service if this problem repeats often.

Low Battery Alarm

If the lock operates normally, but sounds an alarm with the low battery LED notification, the batteries need to be replaced. Make sure you replace all 8 batteries at once.

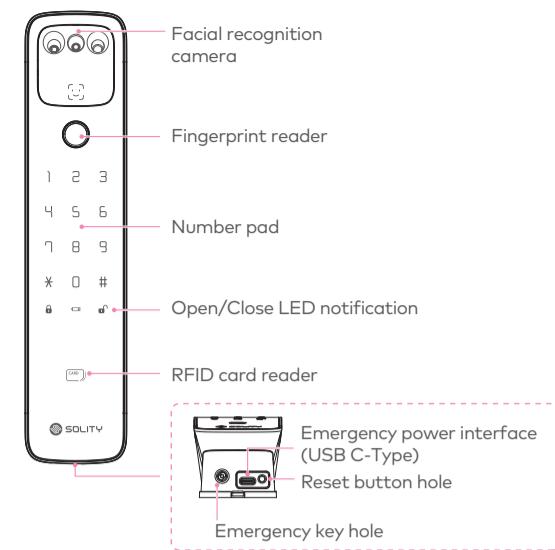
- When the batteries are flat, replace all batteries.
- Do not mix batteries with different manufacturers or brands.

Prank Alarm and 1-minute Lock Down

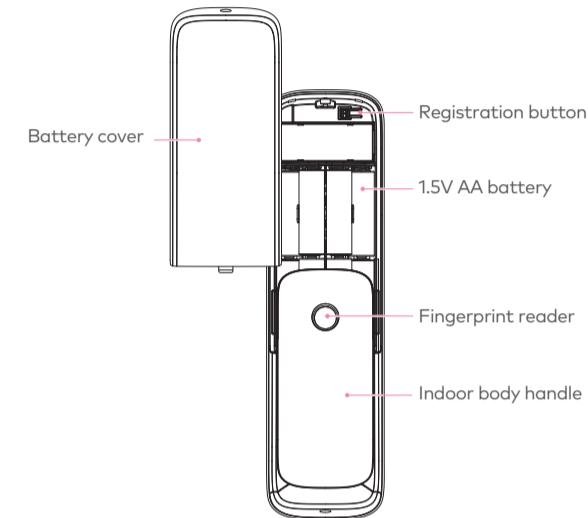
When an unregistered password, RFID card or fingerprint is entered incorrectly 5 consecutive times, the lock will not function for 1 minute and an alarm will sound.

- Try again after the 1 minute lockdown has been disabled.

Names of Individual Parts (Outdoor Body)



Names of Individual Parts (Indoor Body)



Product Components

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

RFID Card	Screws	Mortise
User manual	Emergency key	'AA' Batteries (LR6)
Installation manual	Striker	Wi-Fi or Matter Module
Remote Control		

Register a User RFID Card

- Enter the **Registration Mode**.
-  CARD
- 

- Repeating steps 2 and 3 before the keypad lamp turns off will register another administrator RFID card. (Up to 100 RFID cards may be registered)
- The User RFID card cannot be identical to an administrator RFID card.**

Register a User RFID Card with an Address

- Enter the **Registration Mode**.
-  Address (1-100)
- 
- #
- CARD

- Repeating steps 2 and 3 before the keypad lamp turns off will register another user RFID card. (Up to 100 RFID cards may be registered)
- The User RFID card cannot be identical to an administrator RFID card.**

Fingerprint Registration

* No address

- Enter the **Registration Mode**.
-  3.
- Front Side. (Outer Body)

- Back Side. (Inner Body)
-  #

* With address

- Enter the **Registration Mode**.
-  3.
- Address (1-100)
- #

- Front Side.
- Back Side.
- #

- To register multiple fingerprints, repeat step #3, #4 (no address), #3 ~ #6 (with address) before press # button (Up to 100 can be registered)
- * During process, Key pad '1, 2, 3, 7, 8, 9' is blinking.
Number '1, 2, 3' means Front side 3 times and '7, 8, 9' means Back side 3 times.

- Registration will be cancelled if there is no input for 10 seconds.
- If you do not press the [#] button or the [Register] button during the registration process, registration will be cancelled.

Register a User Password with an Address

- Enter the **Registration Mode**.
-  1.
- Address (1-4)
- #
- User Password (4-12 digits)
- #

- Repeating steps 2 and 3 before the keypad lamp turns off will register another user password. (Up to 4 passwords can be registered)
- The User Password cannot be identical to an existing administrator/one-time password.**

Register a One-time Password

- Enter the **Registration Mode**.
-  4.
- One-time Password (6 digit)
- #

- The One-time password cannot be identical to an existing administrator/user password.**
- The One-time password will become invalid after using it to open the gate.**

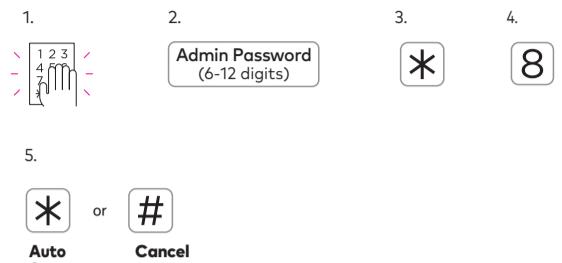
- Not inputting anything for 10 seconds will cancel the registration.
- When entering an administrator, a user or a one-time password, pressing the [#] button will reset the entry.
- Pressing the [#] button without any entry or pressing the [Register] button during authorisation will cancel the authorisation.

How to Set the Handle

* After install (First time setting)



* Change Setting



Not inputting anything for 10 seconds will cancel the authorisation.

Enter the Deletion Mode

Authorise with an Administrator Password

1. Press the [Register] button for 3 seconds.
2. Input an administrator password.
3. Press the [#] button.

(R) (for 3 seconds) Admin Password #

Not inputting anything for 10 seconds will cancel the authorisation.
An error will occur if you enter a password with less than 6 digits or more than 12 digits and the authorisation will be cancelled.
When entering an administrator password, pressing the [#] button will reset the entry.
Pressing the [#] button without any entry or pressing the [Register] button during authorisation will cancel the authorisation.

How to Delete Facial Recognition

Delete Individually

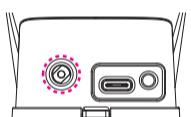
1. Enter the Deletion Mode. 2. 3. 4. 6 Face ID address (1-100) *

Delete all Face IDs

1. Enter the Deletion Mode. 2. 3. 6 # 3 seconds

Opening the Gate From Outside (Emergency Key)

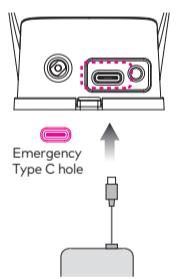
Use the emergency key at the bottom of the outdoor body handle and turn right/left to unlock the gate.



How to use Emergency Battery

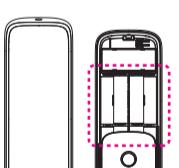
When the battery is exhausted and there is no key, please use a USB cable with an external Type-C interface and connect the power bank as an emergency power source.

1. Connect the emergency power interface to the emergency power supply through the USB cable of the Type-C interface.
2. Open the gate according to the normal outdoor gate opening method.



How to change the Battery

1. Untighten Main body Battery Cover (upside cover)
2. Change AA 8ea battery



How to open inside

Fingerprint on inner body
Remote Control
G1 bundle 2 way open(optional)

How to connect Apple Home, Google Home, Smart Things

1. Install Matter module on gate lock.
2. Add device(door lock) with Scan QR code on Matter module.



How to Connect Smart Solity

1. Insert Wi-Fi module on gate lock.
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].

Delete a Password

1. Enter the **Deletion Mode**. 2. 3. Address (1-4) 4. 1 * 2 # 3

Delete all User Passwords

1. Enter the **Deletion Mode**. 2. 3. 1 # 3 seconds

Delete a One-time Password

1. Enter the **Deletion Mode**. 2. 3. 4 *

Delete a RFID Card

Delete an administrator RFID card with an address.
1. Enter the **Deletion Mode**. 2. 3. Address (1-10) 4. *

Delete a User RFID Card with an Address

1. Enter the **Deletion Mode**. 2. 3. 2 Address (1-100) 4. *

Delete a User RFID Card

1. Enter the **Deletion Mode**. 2. 3. 2 CARD

Delete all Fingerprints

1. Enter the **Deletion Mode**. 2. 3. 3 # 3 seconds

Individual Deletion of Fingerprints

1. Enter the **Deletion Mode**. 2. 3. 3 Address (1-100) 4. *

Automatic/Manual Detection with RFID Card

1. 2. 3. 4. 5. Admin Password (6-12 digits) * * 1 or 3 Automatic Detection Manual Detection

Auto detection mode is set by default.
In the manual detection mode, touching the keypad with a hand and putting the RFID card on the reader will open the gate.

Automatic/Manual Lock Mode

1. 2. 3. 4. 5. Admin Password (6-12 digits) * * 4 or 7 Auto lock Manual lock

Manual Lock Mode (with [#] button)

1. 2. 3. 4. 5. Admin Password (6-12 digits) * * 8 or 9 [#] button Disable 9 [#] button Enable

Auto lock mode is set by default.
In the initial setting of the manual lock mode, the [#] button is not enabled.
In auto lock mode, the door will automatically lock in 2 seconds after it is closed.
The door will not be automatically locked in manual lock mode.

Volume Control

1. 2. 3. 4. Admin Password (6-12 digits) * 3 or 6 Volume up Volume down

The volume can be adjusted to 7 levels.

Gate Unlock Alarm

1. 2. 3. 4. Admin Password (6-12 digits) * 2 or 0 Enable Disable

Gate unlock alarm is not enabled by default.
In the gate unlock alarm mode, the alarm will go off if the door is not locked, and the display will blink for one minute.

How to Pair Gate Lock with the door lock

Step 1 [Gate Lock] 1. 2. Admin Password (6-12 digits) * 1

Step 2 [Door Lock] 5. Enter the **Registration Mode**.

Step 3 [Gate Lock] 6. Password or RFID card or Fingerprint

How to Unpair Gate Lock with the door lock

Step 1 [Gate Lock] 1. 2. Admin Password (6-12 digits) * 4

Step 2 [Door Lock] 5. Enter the **Deletion Mode**. 6. *

Opening the Gate From Outside (With Fingerprint)

Scan the registered fingerprint against the reader.



Opening the Gate From Outside (With RFID Card)

Automatic Detection Mode

Tag the registered RFID card against the reader.

Manual Detection Mode

Touch the number pad and when the light on the number pad lights up, tag the RFID card reader with a registered RFID card.



Press the [#] button before scanning the RFID card to enter silently.
Default setting is automatic detection mode.

How to Connect Wi-Fi Module

1. Enter the **Registration Mode**. 2. 3. 7 Enter into the module registration mode and complete the registration from APP.

Delete Entire Wi-Fi Module

1. Enter the **Deletion Mode**. 2. 3. 7 *

Remote Control

Register an Remote Control

1. Enter the **Registration Mode**. 2. Press the [OPEN] button. 3.



Repeating steps 2 before step 3 will register another remote control.
(Up to 5 devices may be registered.)

Delete an Remote Control

1. Enter the **Deletion Mode**. 2. 3. 5 *

Registering a new device will automatically delete the one registered before.

Troubleshooting

Problem

Product does not turn on.

Solution

Please check the direction the batteries are inserted and check polarity marking.

Replace all of the batteries (alkaline).

Check the battery status and/or the whether the battery is flat.

Password cannot be changed.

Touch the [Registration] button (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.

In the key pad lights are out while entering the password, the buttons cannot be touched. Touch the number pad again to light it and then enter the password once again.

If the key pad lights are out while entering the password, the buttons cannot be touched. Touch the number pad again to light it and then enter the password once again.

Registered information can be verified with the password/RFID cards but the door does not open.

Use power bank for one more attempt.

The locking device may be one of the major causes of this issue; contact the service centre for assistance.

The locking device may be one of the major causes of this issue; contact the service centre for assistance.

When being used, the product keeps making beeping sounds.

The alarm sound signals battery replacement.

Door does not lock automatically.

When there a beeping sound, replace all the batteries (alkaline) with new ones.

Please reset to Auto Mode.

When the batteries are flat, the product will make sounds but will not function.

Please replace all 8 batteries (alkaline).

Please replace all 8 batteries (alkaline).