

# USER MANUAL

PUSH/PULL SMART LOCK

Facial Recognition  
Fingerprint  
Password  
RFID Card  
Emergency Key  
BLE  
REMOTE CONTROL (Optional)

**The default password is 1234.**  
Please change to new password.  
For your safety, do not use consecutive or repetitive numbers.

PTMP8050ONTA REV.01

## 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, 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 settings.
- Do not subject the product to any severe impact.

## Product Specification

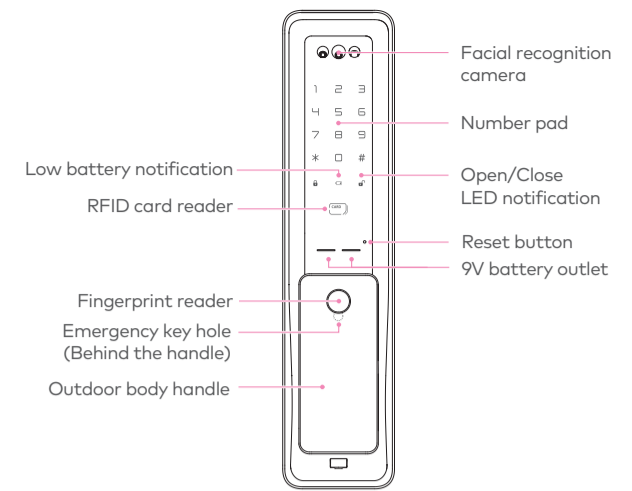
Installation condition	Door thickness	40~70mm
Opening method	Password	4~12 digits up to 4 passwords may be registered.
	RFID Card	Up to 100 RFID cards may be registered.
	Fingerprint	Up to 100 fingerprints may be registered.
	Facial Recognition	Up to 100 face IDs.
Rated voltage	DC 6V	LR6 1.5V AA alkaline battery
Emergency power supply	DC 9V	9V Battery (6LF22) (sold separately)
Sensing high temperature material	Temperature sensor	72°C±5°C (Laboratory environment) 62°C±5°C (General environment)
	Outdoor body	Al, Zn, PC
	Indoor body	Zn, PC

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

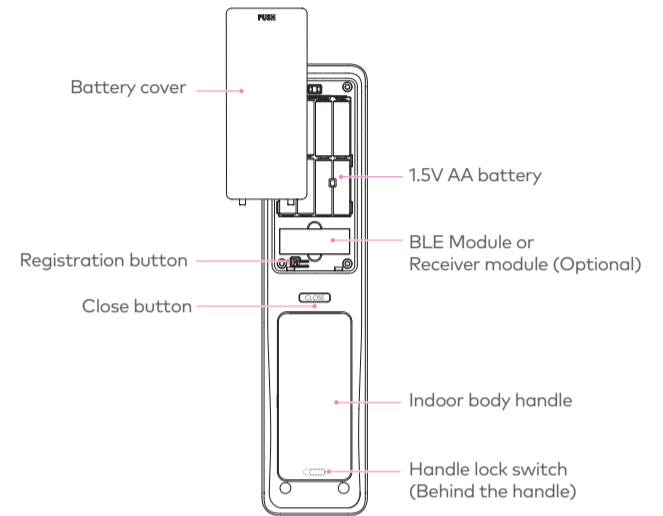
## Caution

For emergency cases, please make sure leave more than one emergency key outside.

## Names of Individual Parts (Outdoor Body)



## Names of Individual Parts (Indoor Body)



## Product Components

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

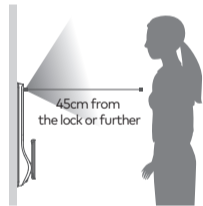
RFID Card	Screws	Mortise
User manual	Emergency key	Mortise shaft
Installation manual	Striker	Mortise shaft fixing pin
Drilling guide	BLE Module	Dust box
'AA' Batteries (LR6)		

## Sold separately

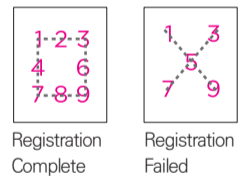
Smart bridge  
Video door phone module  
Remote control / Receiver module

## How to register 3D Facial Recognition

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



Recognizable distance is between 45 ~ 100cm and the recognizable 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 mask, hat, sunglasses or eye patch during registration
- Make sure to look into the camera and not blink or change expression
- Identical twins or very similar appearance could be recognized and cause the door to unlock.

## How to Register / Change the Password

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

1. Open the battery cover and press the [Registration] button.
2. Check whether the light on the number pad is lit.
3. Enter a new password between 4~12 digits.
4. Press the [\*] button to complete the password registration/change.

- When adding new passwords, up to 4 passwords can be registered.
- Before the lamp on the number pad goes out, enter the new password and repeat steps 3 and 4 as above.
- If the password is not entered within 10s after the [Registration] button is pressed, the registration process will be canceled.
- When new passwords are registered, existing passwords will be automatically deleted.

## How to Register RFID Cards

1. Open the battery cover and press the [Registration] button.
2. Place the RFID card onto the reader. (Listen for a beep sound every time a new RFID card is registered).
3. Press the [\*] button and when a beep sounds, the registration is complete.

- Repeat step 3 before the number pad turns off to add additional RFID cards. (Up to 100 RFID cards can be registered)
- If the RFID card is not scanned within 10s after [Registration] button is pressed, the registration process will be canceled.
- When new RFID cards are registered, existing passwords will be automatically deleted.
- Only use the RFID cards provided by Solity.
- Solity will not be held responsible, if there are any problems that might occur due to using other RFID cards.

## How to Register Fingerprints

Ensure the door is open when registering the fingerprint.

1. Open the battery cover and press the [Registration] button.
2. Place your finger on the fingerprint reader and scan again according to the number pad instructions (Total 3 times).
3. Press [\*] button and when a beep sounds, the registration is complete.

- Up to 100 fingerprints can be registered.
- During registration process, existing fingerprints will not be deleted.
- When replacing the fingerprints, please delete all fingerprints first.
- Registration will be cancelled if there is no input for 10 secs.
- Injured fingerprints and children's fingerprints might be difficult to register.
- Please keep the fingerprint reader clean at all times.

## Open with Facial Recognition

1. When approached near to the lock within 80cm, IR sensor detects and will go into facial recognition standby mode.
  2. Under facial recognition standby mode, when the face is between 45 ~ 100cm, the lock will unlock when register 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 times.
- When part of the face is blocked with mask, hat, sunglasses or eye patch, recognition will fail.

## IR Sensor Settings

1. Touch the keypad and check whether the LED is turned on
  2. Enter password
  3. Press [#] button twice and then press [5]
  4. Press desired settings as below
- [1] Weak  
[2] Standard  
[3] Strong  
[0] Disabled  
[\*] End
- Approx. 40cm    Approx. 60cm    Approx. 80cm    Disabled    End

- Default setting of the IR sensor is standard strength.
- If there are a lot of people passing by the lock, it is recommended to disable the IR sensor.

## How to Delete Facial Recognition

Delete Individually

1. Open the battery cover and press [Registration] button
2. Press [6] button on the keypad
3. Press [#] button
4. Enter desired face ID address to delete (001 ~ 100)
5. Press [\*] button to delete

Delete All

1. Open the battery cover and press [Registration] button
2. Press [6] button on the keypad
3. Press [#] button
4. Press [#] button for 5 seconds to delete all face IDs

## How to Delete RFID Card/Fingerprint

1. Open the battery cover and press the [Registration] button.
2. Press [8] : Delete RFID cards  
Press [9] : Delete fingerprint
3. When the number pad on the body outside of the door is lit, press [#] button for 5 seconds.

## Opening the Door From Outside (With Fingerprint)

Scan the registered fingerprint against the reader.



## 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.

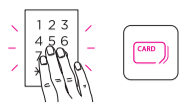
- You can enter a random number before or after pressing the password.
- Press [#] button before inputting the password to enter silently.

- If you are worried about exposing your password, please use the random number function. (Up to 20 digits can be pressed)
- When the wrong password is entered 5 consecutive times, the lock will not work and will 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 when the light on the number pad lights up, scan 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.

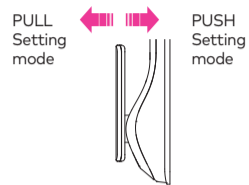
## Opening the Door From Outside (Emergency Key)

Use the emergency key behind the outdoor body handle and turn right/left to unlock the door.



## Opening the Door From Inside

Open the door by pulling/pushing the inside handle depending on the opening method.



- If the door is not opened after unlocking the door, it will automatically re-lock within 7 seconds.

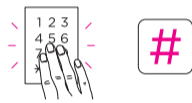
## Locking the Door from Outside

**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 the [#] 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**

Press the [Close] button on the indoor body in order to lock the door.

CLOSE

## How to Connect BLE module

1. Connect the BLE module into the socket.
2. Install the APP [Smart Solity] on your phone and follow the instructions from it accordingly.



- BLE module has to be separately purchased.
- Please refer to the registration guide provided from the APP.

## How to Reset BLE module

1. Remove the battery cover and press [Registration] button.
2. Press [7].
3. Press [#] for 5 seconds and the BLE module will be initialized with a beep.

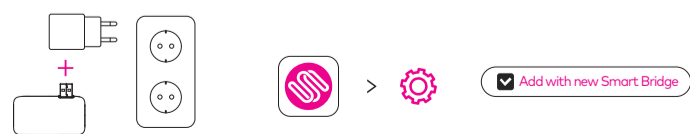


5 seconds.

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

## How to Connect with the Smart Bridge (Optional)

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.

## Forced Lock Function (Inside Double Lock)

This function prevents opening from the outside with any kind of authentication methods.

**How to activate**  
While the door is locked, press the [Close] button for 3 seconds until you hear a beep.

CLOSE

3 seconds.

**How to deactivate the function**  
Pull/Push the handle and open the door from the inside and this function will be deactivated.

## Lock Status Check Function

This function is to check whether the door is locked from the inside of the house.

**How to activate the function**

Touch the number pad ▶ password ▶ # ▶ 2

**How to deactivate the function**

Touch the number pad ▶ password ▶ # ▶ 0

- Alarm will go off when the door is not locked.
- Default setting is Lock Status Check Deactivated.

## 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.

## RFID Card Detection

This function will allow users to scan the RFID Card Automatically 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 scan the RFID card against the reader.

## 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 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.

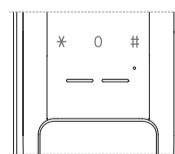


- When the batteries are flat, all of them need to be replaced.
- Do not mix batteries with different manufacturers or brands.

## 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. Place the 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 the [\*] button and with a beep sound, the product will be unlocked.



## Break-in Alarm

If the door is locked and 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 alarm**

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

## Automatic/Manual Lock Mode

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

**Automatic Lock Mode**

Touch the number pad ▶ password ▶ # ▶ # ▶ 4

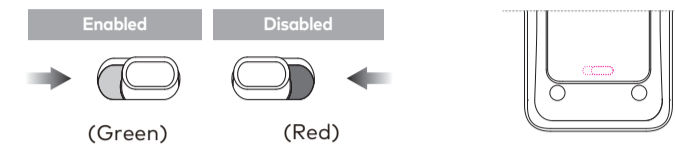
**Manual Lock Mode**

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 [Close] button or touch the number pad and press the [#] button to lock.

## Safety Handle Function

This function will prevent accidentally opening the door from the inside.



## Module/Remote Control Setting (Optional)

**How to Register**

1. Open the battery cover and press [Registration] button.



2. Press [Registration] button on the video door phone module.



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



3. Press [\*] button on the number pad to complete.



**How to Delete**

1. Open the battery cover and press [Registration] button.



2. Press [0] on the number pad.



3. Press [#] button for more than 5 seconds and all the registered information on the remote control will be deleted with a beep sound.



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.

## High Temperature Alarm

When the lock senses a high temperature (62°C ± 5 °C) 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 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.

## Troubleshooting

Problem	Solution
Product does not turn on.	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 can not be 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 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 a 9V emergency battery (square battery) for one more attempt. Locking device may be one of the major causes of this issue ; Contact the service center for assistance.
When being used, the product keeps making beeping sounds.	The alarm sound signals battery replacement. When there a 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 make sounds but will not function. Please replace all 8 batteries (alkaline).