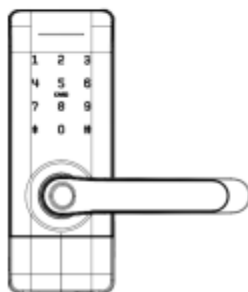# Installation Guide

Smart Door Locks Australia

SDL-H1

First, please refer to the
installation video by scanning
the QR code below.

V.1.3.0

Precautions for Installation

WARNING: FAILURE TO FOLLOW THESE INSTRUCTIONS COULD RESULT IN DAMAGE TO THE PRODUCT AND COULD LEAD TO FAILURE OF THE PRODUCT TO PROVIDE ACCESS

- For your safety, be careful when operating tools or heavy machinery during installation.

- For best results, avoid installing the product in a rainy, humid, or saline environment (e.g. coastal area), or a place exposed to direct sunlight for a long period of time.

- Long-term exposure to direct sunlight may cause a crack on the touch pad. Avoid exposure to direct sunlight.

- Excessive dew condensation may affect product performance.

- You must not repair this product without authorization.

- Install the product while the **door is open**. Even after completing the installation, **do not close the door** until you check if the product is operating properly.

- While installing the product, do not let it **fall to the ground**. If the product falls or is dropped during installation, you may be injured or the product may be damaged.

- Do not install the batteries until you complete the installation.

Packing List

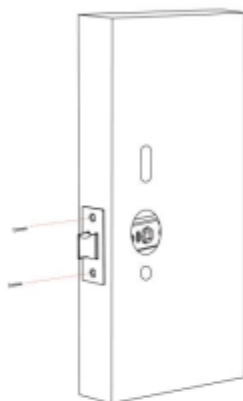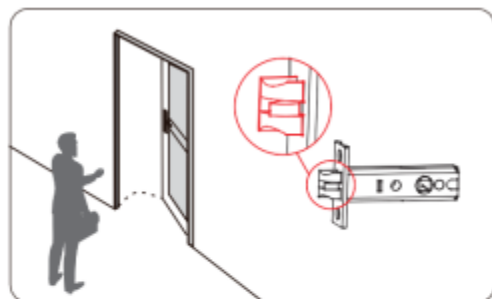| Item	Qty	Item	Qty
Exterior Assembly	1	Mortise Screws: 25*4mm (For Wooden Door)	4
Interior Assembly	1	M3*10mm panel screws	4
Latch	1	M4*25mm Screw for (Door Thickness 35-39mm)	3
Key Fobs	3	M4*30mm Screw for (Door Thickness 40-50mm)	3
Mechanical Keys	2	M4*40mm Screw for (Door Thickness 51-65mm)	3
Waterproof Rubber Plates	2	60mm Square shaft (Door Thickness 35-39mm)	1
Screw Stubs: M5*35 mm (Door Thickness 40-60mm)	3	80mm Square shaft (Door Thickness 40-60mm)	1
Screw Stubs: M5*30mm (Door Thickness 35-39mm)	3	U-Clip	1
Strike & Strike Box	1+1	User Manual	1

Installation Guide

1. Preparing the door

1.1. If you are installing the SDL-H1 smart door lock on an existing door, please remove existing door hardware and latch or bolts before installing the new lock.

You can remove most existing door locks with a screwdriver.

> If you are having problems removing your existing door lock or unsure if what you are doing can damage the existing door, please contact a locksmith or the current door hardware manufacturer for assistance.

1.2. After removing the existing lock, make sure your door is properly prepared. If you need to drill holes in your door, please use supplied templates to assist.

2. Installing the latch

2.1 Based on your door closing direction, you have to orient the slanted side of the latch to face towards the closing direction of the door.

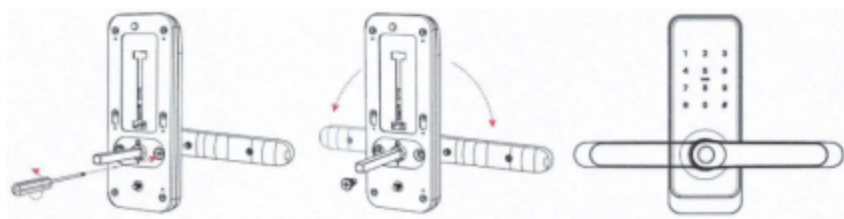2.2 Install the lockset with the slanted side of the latch facing towards the closing direction.

3. Changing handle orientation for right or left swing doors

How to check if your door is a Right Swing or Left Swing door?

While facing the door from the *secure* side of the door (i.e. from outside of the house for a front door), if the door hinges are on the right side of the door, you have a Right Swing Door. If the hinges are on the left side of the door, you have a Left Swing Door.

You may skip this step if your door matches the factory default handle orientation. To change your door handle orientation, please continue reading.

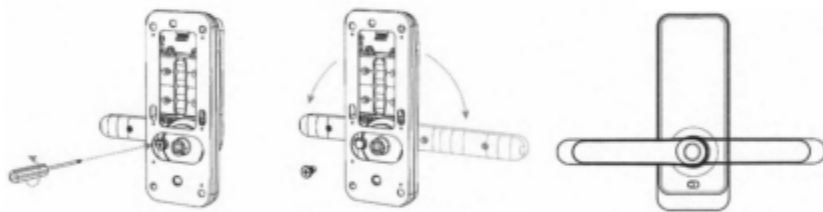### Changing the Exterior Handle Orientation

3.1 Remove the screw using a screwdriver as shown.

3.2 Rotate the handle 180 degrees to the other side of the lock.

3.3 Re-install the screw to secure the new handle orientation.
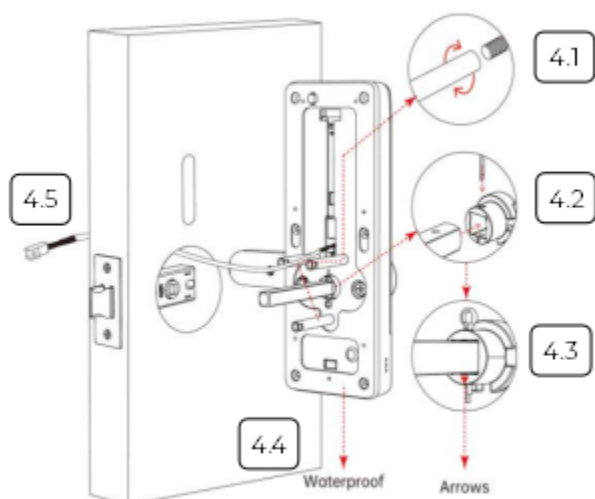
Changing the Interior Handle Orientation

3.4 Remove the screw using a screwdriver as shown.

3.5 Rotate the handle 180 degrees to the other side of the lock.

3.6 Re-install the screw to secure the new handle orientation.

4. Installing the exterior handle

4.1 Attach 3 screw stubs into the 3 screws on the back of the external handle.

4.2 Insert the square spindle and secure it with the u-clip provided.

4.3 *If* there is an arrowhead on the face of the square spindle hole, turn the spindle by hand and make sure the arrow is pointing down. If there is no arrowhead, make sure the u-clip is in a vertical position.

Note: Only *some* editions come with an *arrowhead symbol* on the face of the square spindle hole.
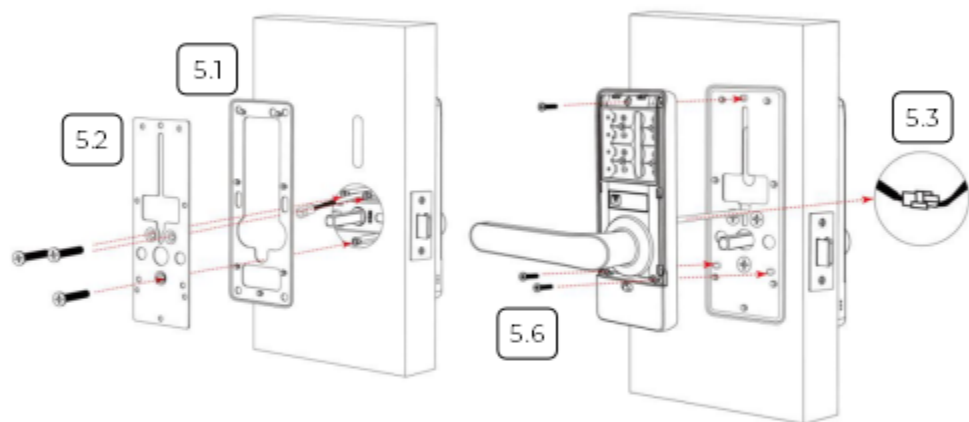
4.4 Install the water-resistant rubber gasket.

4.5 Push the connection cable through the door.

4.6 Install the exterior lock as shown by aligning the lock straight and passing the attached rods through the lockset.

4.7 Secure the external handle to the door using a small-double sided tape or hold it until the internal handle is fixed.

5. Installing the Interior handle

5.1 Install the rubber gasket.

5.2 Install the mounting plate against the interior side of your door and secure using the provided M4 screws.
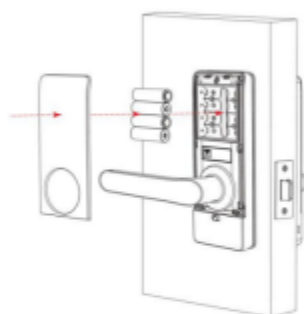
5.3 Plug the cable that is coming through the door into the interior lock. Make sure you match the direction of the plug correctly.

5.4 Remove the battery cover and keep it aside.

5.5 Align the square rod to the Interior lock and attach the Interior lock to the door frame. While you are doing so, gently push the excess cable through the hole into the door cavity. Place the remaining cable against the interior side of the Interior lock so the Interior lock sits securely onto the door surface.

5.6 Once the Interior lock is flushed against the door frame, secure the lock to the plate by screwing clockwise by using supplied panel screws.
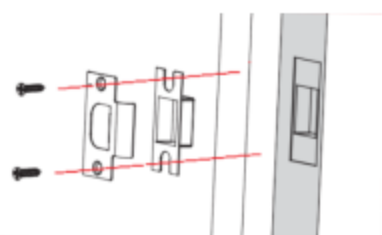
6. Installing batteries

6.1 Insert the batteries into the lock by matching the positive (+) and negative (-) orientation markings on the batteries to the battery chamber.

6.2 Secure the battery cover.

7. Installing the door strike

7.1 Make sure the slanted side of the latch is closing against the slanted part of the strike plate before fixing it on to door frame.

7.2 Fix the door strike to the door frame.

8. Finishing installation

8.1 You're all done! You have completed the physical lock installation and now you're ready to get the lock set up.

Power and Test

1. Activate the lock

1. Make sure fresh batteries are installed.

2. Touch or slide your finger over the keypad.

3. This should turn on the keypad and should provide voice feedback.

2. Test Lock and Unlock

> **Important:**
> - Make sure you perform these operations while the door is open.
> - Do not close the door until you have completed the programming and made sure the product is operating properly.

From outside

1. Turn down the outside handle, the Latch should not unlock.

2. Enter the default passcode '123456#' and turn down the outside handle, the Latch should unlock.
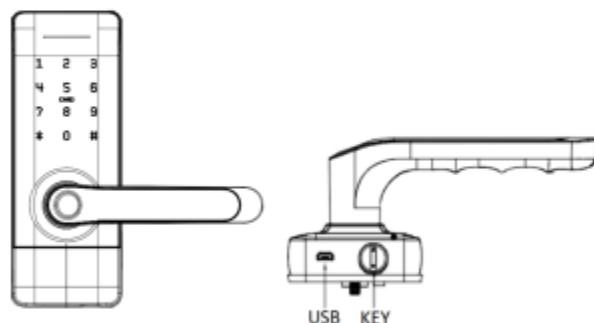
From inside

3. Turn down the inside handle, the Latch should unlock.

If all the steps above are successful, you can begin the programming of SDL-H1. Otherwise, please re-install SDL-H1 carefully as shown in the 'Installation Guide' section.

User Guide

1. Product Overview

1.1. Exterior

Anti-peep Keypad

Used to enter the code and unlock from the outside.

Fingerprint Reader

Used to verify your finger and unlock from the outside.

Key Fob/IC Card Reader

Used to verify your key fob and unlock from the outside.

Micro USB (5V)

Used to connect a power bank to activate the lock when it runs out of battery.
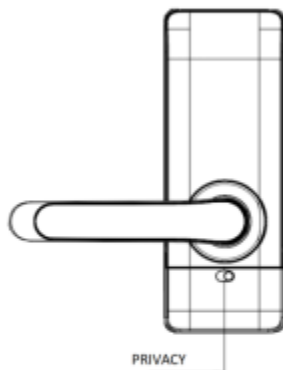
Backup Key Hole

Used to insert the key to unlock.

Outside Handle

Used to lock or unlock SDL-H1

0-9 Number Button

Used to input key code and unlock from outside.

1.2. Interior

PRIVACY

Battery Cover

Used to cover the batteries and reset button.

Reset Button (inside the battery cover)

Used to reset SDL-H1 to factory default settings.

Inside Handle

Used to lock or unlock SDL-H1 from inside.

Privacy Lockout switch

Used the turn on/off privacy lockout when necessary.

2. Basic operation

2.1. Cleaning the Keypad and Finger Reader

Use a microfiber cloth and wipe across the Anti-peep Keypad, Fingerprint Reader and Key Fob Reader.

2.2. Lock Activation

Place a finger on the Fingerprint Reader, touch the Anti-peep keypad with the back of your hand or fingers, or, present the Fob on the Key Fob Reader.

2.3. Unlock from outside

Unlock by Code

1. Place a finger on the Anti-peep Keypad to activate SDL-H1
2. Input the 4-8 digit User Code from a registered user and press #
3. Rotate the handle down to unlock SDL-H1.

Unlock by Fingerprint

1. Press the finger from a registered user on the middle of the Fingerprint Reader to unlock it
2. Rotate the handle down to unlock SDL-H1

Unlock by Key Fob

1. Present the Key Fob from a registered user on the Key Fob Reader.
2. Rotate the handle down to unlock SDL-H1.

Unlock by Smartphone

1. Press the Unlock Button in the TTLock App.
2. Rotate the handle down to unlock SDL-H1.

Backup Key

1. Locate the keyhole at the bottom of SDL-H1's Exterior Assembly.

2. Insert the backup key with a vertical position and rotate it to a horizontal position to open it.

3. Rotate the handle down to unlock SDL-H1.

2.4. Unlock from inside

1. Rotate the handle down to unlock SDL-H1.

2.5. Lock from outside

Lock Latch

When Auto-Lock is on:

SDL-H1 will lock the Latch automatically 5 seconds after the last unlock (time duration can be configured using the TTLock app).

When Auto-Lock is off:

1. Place a finger on the Anti-peep Keypad to activate SDL-H1.

2. Press and hold the # key for 3 seconds.

Or Tap the 'Padlock' icon on the TTLock App.

2.6. Lock from inside

Lock Latch

When Auto-Lock is on:

SDL-H1 will lock the Latch automatically 5 seconds after the last unlock (time duration can be configured using the TTLock app).

When Auto-Lock is off:

Tap the 'Padlock' icon on the TTLock App.

2.7. Factory Reset

> **Important:** All data will be erased if you reset SDL-H1 to factory default settings.

1. Open the battery cover.

2. Use a paper clip and press the "Reset" button for 5 seconds.

3. Press "000#" to complete the reset process.

2.8. 5V Emergency Power

> **Note:** 5V Emergency Power is only for temporary power or not being able to charge the lock.

1. Locate the USB port at the bottom of SDL-H1's Exterior Assembly.

2. Use a regular 5V power bank to power.

2.9. Anti-peep Keypad

The lock supports 4-8 digit key codes. You can choose to enter any 16 digit code, as long as a correct code is included within the sequence of numbers you have entered.

Example User Code: **1234**

Example Valid Keypad Input: 045**1234**794

2.10. Finger Placement

- Your finger should cover the Reader completely with some pressure, touching the surrounding metal ring.

- Make sure that your finger and the Fingerprint Reader are clean and dry. For the Fingerprint Reader, use a clean microfiber cloth to wipe off any dirt or debris.

- While scanning your finger, you shouldn't tap too quickly or move your finger around.

- If you have trouble enrolling one finger, try another.

2.11. Use the Key Fob

When using the Key Fob access, please place the Key Fob at the centre to cover the reader.

Approach the sensor with medium speed (instead of sudden motion). If it's not working, move the Key Fob away and re-try.

2.12. Lock Status

Normal Mode

This is the default mode. User must pass the fingerprint, code, fob or App access verification to unlock SDL-H1 from outside.

Passage Mode

SDL-H1 will stay unlocked for convenient free passage.

Privacy Lockout Mode

When the privacy lockout switch is in the 'lockout' state (i.e. red), it can only be unlocked from outside, by the master admin user or using the backup mechanical key. Indoor Handle always works.

Programming Guide

1. Download the app

Scan to download the APP or search '**TTLock**' on your app store.

This section shows you the basic configurations of the smart lock using the TTLock application to get you started using the smart door lock.

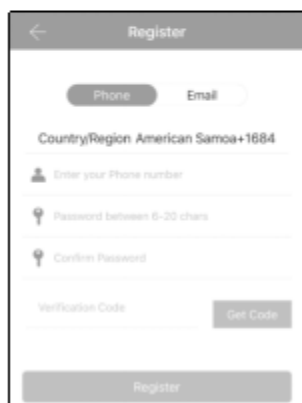For a complete guide of the TTLock application functions, scan the QR code below.

2. Login to TTLock Account

If this is your first time using the TTLock app, you have to register a new user account. Once an account has been created, you can use the same account to manage all of your locks.

If you already have an account you can skip the registration and login to the application with your account credentials.
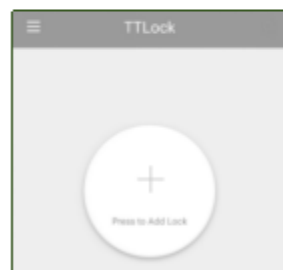

Registering a new account

1.1 Open the TTLock application.

1.2 Follow the prompts to register a new account.

Login to the account

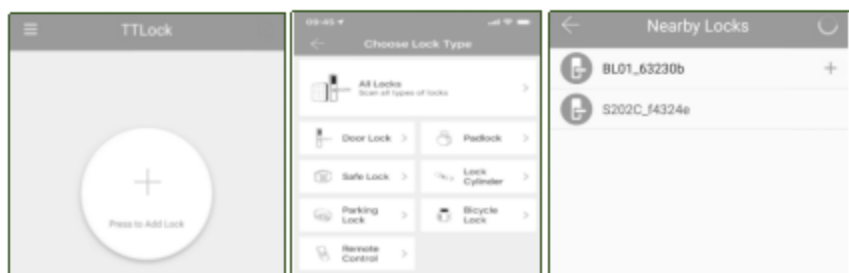1.3 Login to your account with your username and password.

Login Successful

Once you are logged into the application you will be taken to the Home page of the TTLock application.

3. Adding the lock to the TTLock app

Important:

- The default password is 123456#.

- Once you complete this step, you will become the Bluetooth administrator of the lock. And, there can be only one **Bluetooth administrator** for a given lock.

- You can add more users with administrator privileges. But, the Bluetooth administrator has the highest permission level.

- To remove a **Bluetooth Administrator**, go to the 'Factory Reset' and follow the steps to reset the lock to the factory default.

1.4 Tap the add button.

1.5 Tap the 'All Locks' button.

Important: Make sure the smart lock active (or keypad is illuminated). If not, touch or slide your finger over the keypad until the keypad is illuminated.
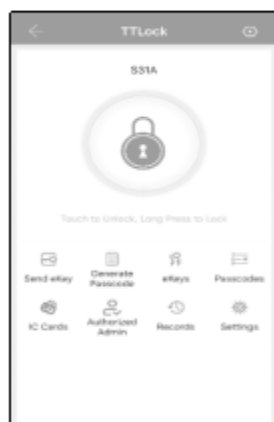
1.6 Now the application will scan for nearby locks and once and lock is found, tap the '+' button next to the correct lock.

1.7 Enter a lock name. E.g. Front door, Room 1.

1.8 If successful, you will be taken to the Home page of the new lock. Now the lock is added to your account and ready to be configured.

4. Configuring the lock access using TTLock application

Unlock using the TTLock application

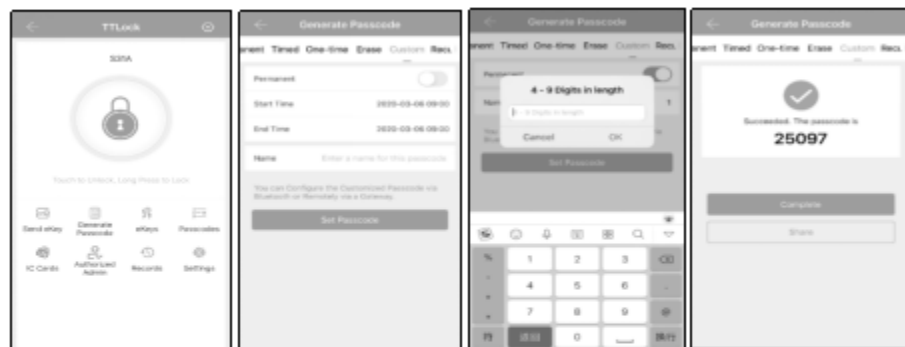1.9 Make sure you are on the Home page of the newly added lock.

1.10 tap the 'Padlock' icon to unlock the smart lock.

1.11 If successful, you will hear the sound of the lock handle engaging and you should be able to unlock the lock by rotating the exterior handle.

Setting a passcode

There are multiple types of passcodes such as permanent, time-limited, one-time, etc. You can choose to create any type based on your access requirements for each user.

You can also choose to generate a random passcode from the Application or a custom passcode based on your needs.
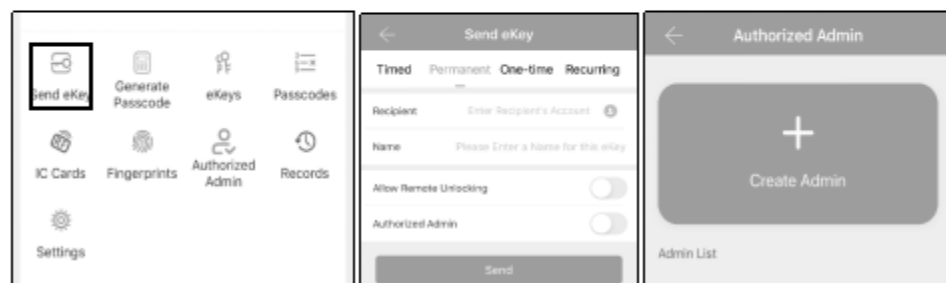

1. From the Home page options, tap 'Generate Passcode'.

2. Choose the type of passcode you want to create by navigating the tabs.

3. Generate the new passcode.

Send e-key

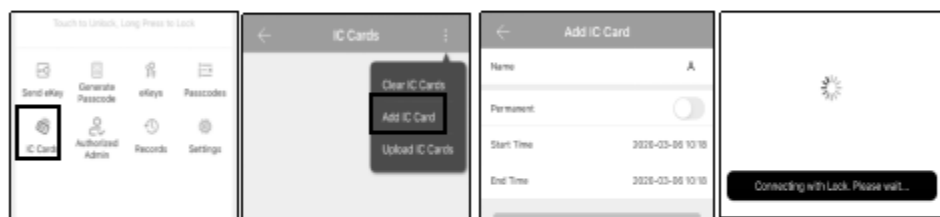You can send e-keys to other users to grant application access to the lock.

> **Important:** The receiver must have the TTLock application installed and registered with TTLock prior to receiving the e-key.

1. Tap 'Send eKey' on the lock Home screen.

2. Select the e-key type by navigating the tabs (i.e. timed, permanent, one-time, recurring).

3. Enter the recipient's TTlock account username and name.

4. You can choose to 'Allow Remote Unlocking' capability, if necessary.

5. Select 'Authorized Admin' if you want to make this user an administrator.

6. Tap 'Send'.

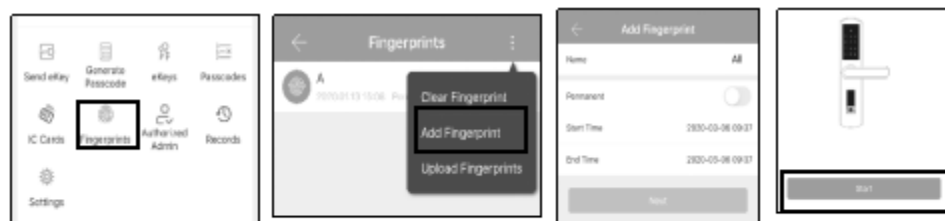## Register IC Card/Key Fob

Important: This operation must be performed near the lock.

1. Tap 'IC Cards' on the lock Home screen.

2. Select 'Add IC Card' from the context menu.

3. Enter IC card details.

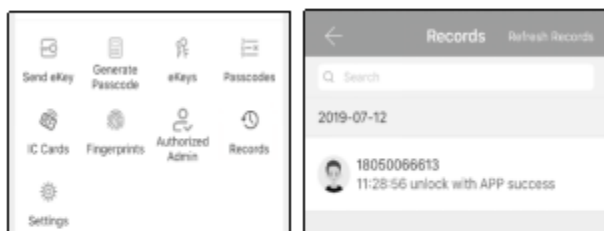4. Tap the IC Card to the exterior lock panel IC card reader area.

Register fingerprint

Important: This operation must be performed near the lock.

1. Tap 'Fingerprints' on the lock Home screen.

2. Select 'Add fingerprint' from the context menu.

3. Enter fingerprint details.

4. Start the fingerprint scan process and follow the on-screen instructions.

Check Logs

1. Tap 'Records' from the lock Home screen.

2. Configuring the Wi-Fi Gateway (optional)

Important:

- You should install the Wi-Fi Gateway only after you have successfully finished installation and set up your Smart Lock using Bluetooth.

- When configuring, your phone and the Wi-Fi gateway must be connected to the same **2.4GHz** network.

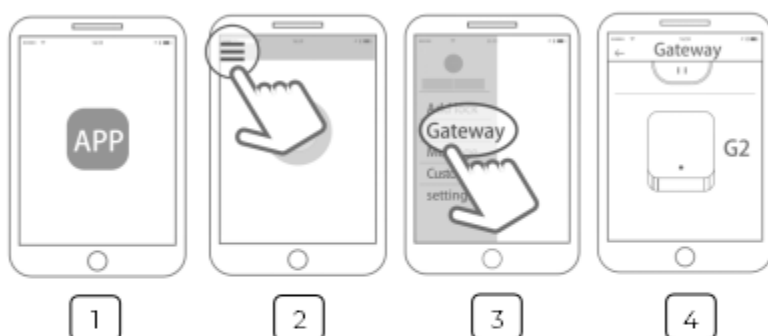- If the process times out at any point, power off the Gateway and start the process again.

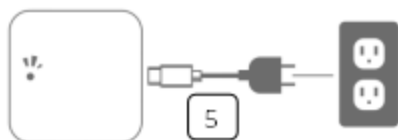## Understanding indicator light status

When the gateway is power on:

Light flashes alternately with red and blue: Stand-by mode, ready for connection

Blue light: working mode

Red light: network failure

Paring the Wi-Fi Gateway with the TTLock App

1 2 3 4

1. Open the TTLock App.

2. Tap the '≡' button.

3. Select 'Gateway'.

4. Select 'G2'.

5

5. Plug the Gateway and power it on. The indicator light should flash red and blue alternatively.

6 7 8

6. Tap the '+' next to the correct Gateway.

7. Add Gateway

8. Select the 'WiFi' and enter the password.

9. Paring is now complete.