

Unified Hotline: 400-800-5919

Model: K20 Pro Smart Lock with Camera and Display Screen

# Kaadas

## User Manual

[www.kaadas.com](http://www.kaadas.com)



**Note:**

Dear customers, thank you for using our smart lock, Please check the package content and read the installation instruction carefully before you install this lock, and then install the product according to the instruction. Our company will not assume any responsibility for direct or indirect product problems, other hazards and losses if you don't follow the instruction to install.

Thank you!

# Table of content

## 1. Important Information

- Safety
- Warning
- Disposal of used battery and lock

## 2. Install the smart lock

- Package list
- Explosive view
- Before installation
- Latch bolt reversing
- Installation steps

## 3. Overview

- Front panel
- Back panel

## 4. Set your smart lock

- Before set up
- Enter master mode
- User set
- Turn on/off Dual-verification
- Turn on/off automatic mode
- Turn on/off power saving mode
- Language settings
- Camera settings
- WiFi network configuration
- Wandering alarm settings

## 5. Use the smart lock

- Unlock from outside
- Unlock by mechanical key
- Unlock by back panel sensing handle
- Unlock/lock from inside
- Emergency thumb turn
- Defense mode
- Volume adjustment
- Doorbell function
- Inside display screen

## 6. Other functions

- Factory reset
- System reboot
- Emergency power supply
- Replace battery

# 1 Important Information

## Safety

Read and understand all instructions before using this smart lock. Damages caused by failure to follow instructions is not covered by the warranty.

It is recommended to use the enclosures/accessories specified by the company.

Use only the batteries configured for this product.

Do not forcibly disassemble the product to avoid alarm or damage to the product.

Do not scratch the fingerprint sensor with sharp objects, it could cause permanent damage.

Do not expose the product to corrosive substances to avoid damaging the protective layer of the shell.

Do not hang objects on the handle/holder to avoid affecting the normal use of the door lock.

Cleaning the product, please wipe it with a soft cloth.

Do not disassemble the battery while the device is in operation.

Please choose a professional engineer to install the door lock and follow the company's standard installation instruction , and do not install it by yourself. After the door lock is installed , Please change default master PIN code immediately and keep the mechanical key in a safe place. Don't disclosure PIN code to the unknown person.

If the door lock triggers the low battery alarm, please replace the fully charged lithium battery in time.

## Warning

Do not place battery closing to fire in case of explosion.

Do not use emergency power supplies that do not comply with safety regulations to power the product.

Do not short-circuit the two poles of the battery lead with metal objects to avoid explosion.

Making sure replacement or maintenance are done by professional person authorized by Kaadas

Your warranty may invalidate if you used accessories produced by other manufacturer or not recommended by Kaadas

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## Disposal of used battery and lock

Please understand the local electronic product classification and collection system.

Please follow the local regulations and do not discard used batteries into ordinary household garbage.

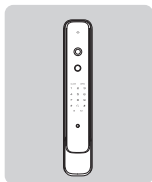
Properly disposing of used products helps to avoid potential negative impacts on the environment and human health.

The battery can not be disposed of with ordinary household garbage.

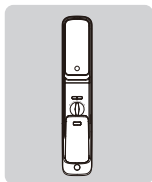
## 2 Install the smart lock

### Package list

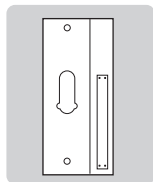
This Package list is for reference only, and all contents are subject to the actual packaging contents.



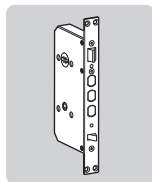
Front panel  
(with rubber gasket)



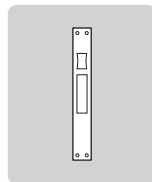
Back panel  
(with rubber gasket)



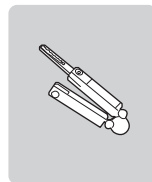
Drilling  
template



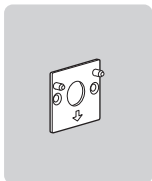
Mortise



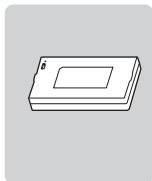
strike plate



Mechanical key



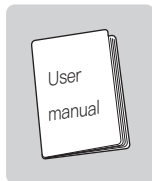
Mounting plate



Battery



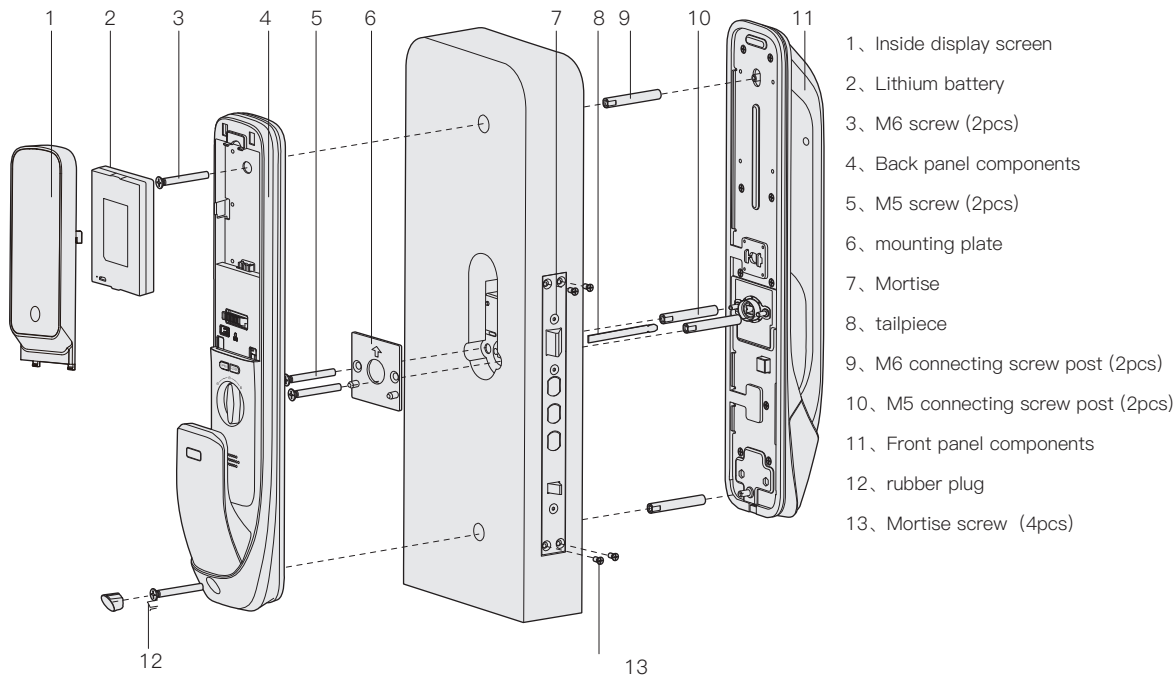
Mounting kit



User manual

## Explosive view

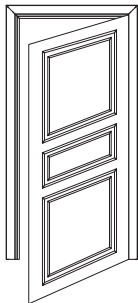
The explosive view helps you understand better the construction the lock.



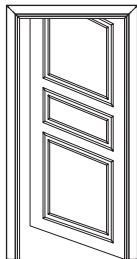
## Before installation

Check the door opening direction before installation

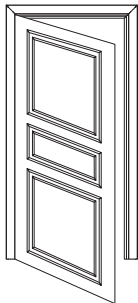
Right Outward opening



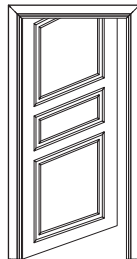
Right Inward opening



Left Outward opening

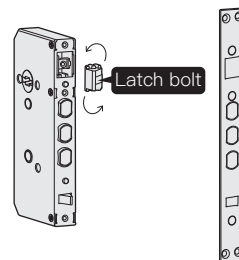
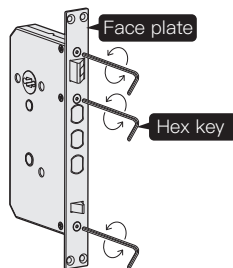


Left Inward opening

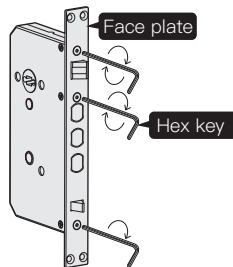


## Latch bolt reversing

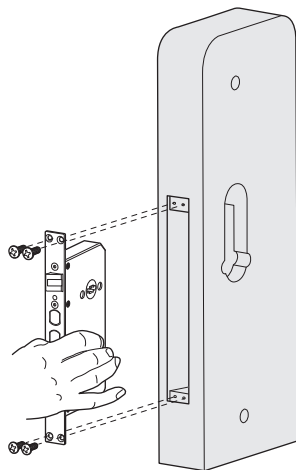
1. Use hex key to loosen the screws counterclockwise and remove the face plate.
2. Take out latch bolt, turn it 180° to change latch bolt direction and put it back.



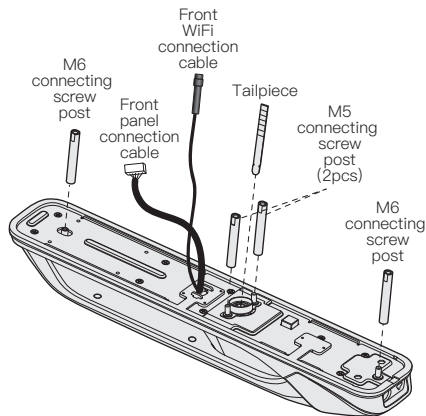
3. Install face plate and tighten the screws with hex key, and the reversing completes.



## Installation steps

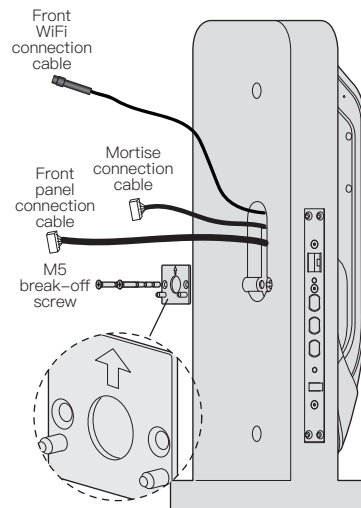


Drilling holes on the door before installing lock, then install mortise in door and secure mortise with supplied screws.



**Note:** Cut proper length tailpiece according to door thickness.

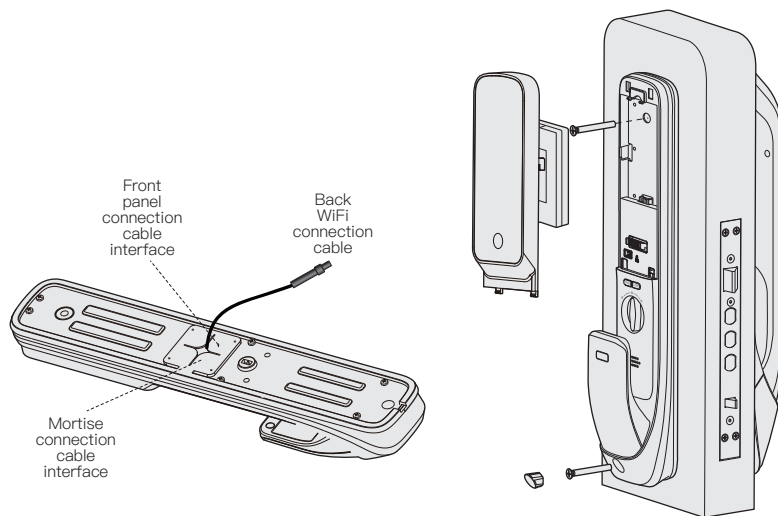
Install connecting screw post on the front panel and put tailpiece in shaft hole.



**Note:** Cut the proper length of break-off screw for the thickness of the door.

Send connection cables through hole on the door and insert tailpiece of the front panel through the rotating hole on the mortise, then fix front panel with mounting plate.





Insert front panel connection cable and mortise connection cable to corresponding interface on the back panel, fasten tightly front and back WIFI connection cables.

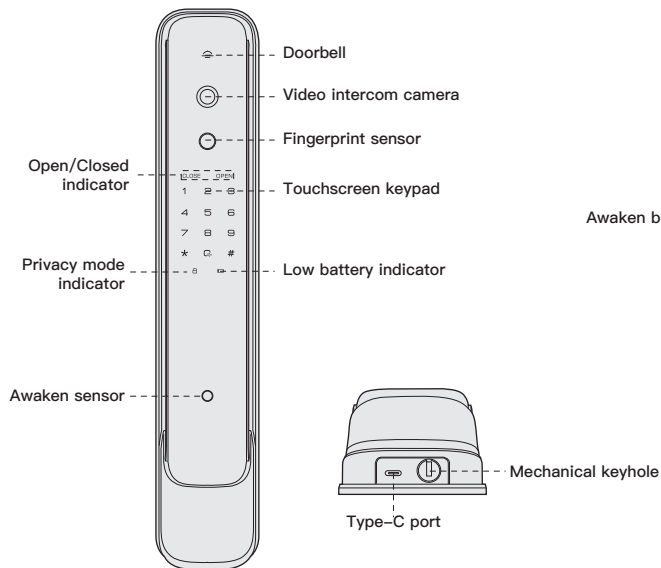
**Note:** Cut the proper length of break-off screw for the thickness of the door

Put back surplus length connection cables into the hole on the door and insert tailpiece into emergency thumb turn of back panel, then secure back panel with screws and load Lithium battery and close battery cover.

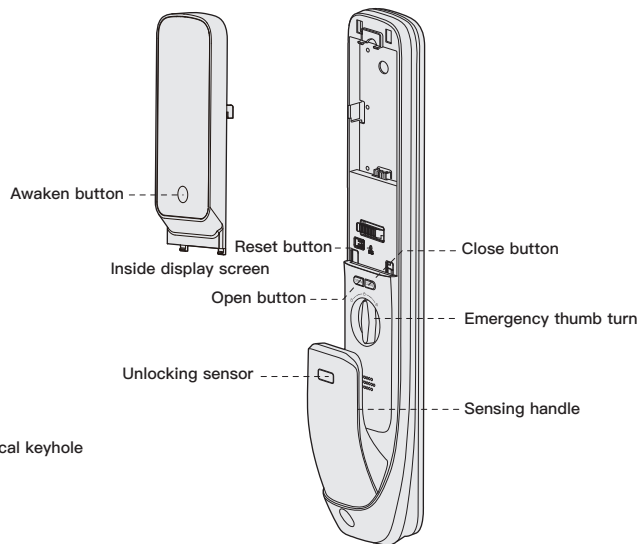
Check front panel and back panel after installation and if every parts is connected well.

### 3 Overview

Front panel



Back panel



## 4 Set your smart lock

### Before you set up

The lock system can enable/disable dual-verification. When dual-verification is enabled, it is required to verify two type of credentials at same time to unlock, while it only need to verify one type of credential to unlock when dual-verification is disabled.

Dual-verification enabled: dual verification (fingerprint+PIN code)

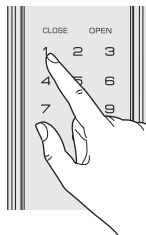
Dual-verification disabled: single credential verification (PIN code or fingerprint).

Credential	Dual-verification enabled	Dual-verification disabled
Master credential	Support (Master credentials before dual-verification enabled)	Support (The initial master PIN code is 12345678)
User PIN code	One-time PIN code not Supported	One-time PIN code Supported
User fingerprint	Support	Support
Video intercom camera	Support (power saving mode not used)	Support (power saving mode not used)
How to enter master mode	Enter master PIN code	Enter master PIN code

#### Note:

Before Dual-verification enabled, you must add PIN code and fingerprint. User can enter the visual protection PIN code either before or after entering the correct PIN code.(the user PIN code and the visual protection PIN code contain a maximum of 32 characters).

## Enter Master mode



1. Touch the keypad with the palm to wake up the keypad, the keyboard light will light up;
2. Double press the \* key, then enter the master PIN code, press the # key to confirm
3. Voice prompt: The system has entered master mode

Note:

If the master PIN code is the initial password, users need to change the master PIN code first before other operations.

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## User settings

### Add normal user

In Master mode

When adding user, the smart lock automatically recognizes and adds PIN code, fingerprint in the master mode, user can directly add the corresponding credentials.

1 1

Press 1 to enter user settings, again press 1 to enter adding user PIN code, enter a new user PIN code, press # to confirm, enter user PIN code again, press # to confirm, voice prompt: Setup successful.

1 1

Press 1 to enter the user settings, then press 1 to enter adding user fingerprint, enter a new user fingerprint, and wait for the voice prompt: Setup successful.

## Add One-time PIN code

In Master mode

1 2

Press 1 to enter user settings, then press 2 to enter adding one-time PIN code, enter a new PIN code, press # to confirm, enter PIN code again, press # to confirm, voice prompt: Setup successful.

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## Add master fingerprint

In Master mode

1 3

Press 1 to enter user settings, then press 3 to enter adding master fingerprint, enter a new master fingerprint, until the voice prompt: Setup successful.

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## Change master PIN code

In Master mode:

1 4

Press 1 to enter user settings, then press 4 to enter changing the master PIN code, enter a new master PIN code, press # to confirm, enter the master PIN code again, press # to confirm, voice prompt: Setup successful.

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## Delete a user

In Master mode:

1 5 1

Press 1 to enter user settings, then press 5 to enter deleting user, and press 1 to delete a PIN code or a fingerprint, enter the PIN code or fingerprint, voice prompt: Deletion successful.

1 5 2

Press 1 to enter user settings, then press 5 to enter deleting user, and press 2 to delete all user PIN code, voice prompt: Deletion successful, PIN code database is empty.

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1 5 3

Press 1 to enter user settings, then press 5 to enter deleting user, and press 3 to delete all user fingerprints, voice prompt: Deletion successful, fingerprint database is empty.

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## Turn on/off Dual-verification

In Master mode:

1 6

Press 1 to enter user settings, and then press 6 to turn on (or off) Dual-verification, voice prompt: Setup successful, turn on (or off) Dual-verification.

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## Turn on/off automatic mode

In Master mode:

1 7

Press 1 to enter user settings, and then press 7 to turn on (or off) automatic mode, voice prompt: Setup successful, automatic mode/manual mode.

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## Turn on/off power saving mode

In Master mode:

1 8

Press 1 to enter user settings, and then press 8 to turn on (or off) power saving mode, After the setting is successful, the smart lock enters the power saving mode.

In power saving mode, the video intercom function is stopped. When the battery power of the door lock reaches a certain low level, the door lock will automatically start the power-saving mode. If the video intercom function needs to be enabled again, please replace the fully charged battery, then automatically exit the power-saving mode and resume the video intercom function.

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## Language settings

In Master mode:

2 1 or 2

Press 2 to enter Language Settings, Press 1 to select Chinese, press 2 to select English.

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## Network configuration

In Master mode:

4

Press 4 to enter Network configuration Settings, voice prompt: Network configuration settings entered, perform network configuration operation according to the guidance of APP. This lock only support 2.4Ghz WiFi frequency and does not support 5Ghz frequency. Make sure distance between router and lock not exceed 10m, otherwise weak signal may affect connection effect.

Pre-network configuration, please scan QR code to download and install APP. Please complete registration if use this APP first time. Open APP home page after sign in successfully, click “+” at top-right corner, select “scan code to add”, then scan the QR code on the back of the battery cover to add the device. Please follow the guide of APP for network configuration operation.



Note:

Please ensure latest app version if you already download“凯迪仕智能”APP on your phone. If QR code on the battery cover can not be scanned, please select” manual add”, then Select the searched device or enter K20 Pro at the top to go to the corresponding add boot page.

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## Camera settings

After the smart lock has been configured with WIFI network, user can use the APP to check the situation outside the door (remote video intercom). By default, the smart lock will enable the function of remote wake up the smart lock to view the video (WiFi to maintain a long connection). If this function is rarely used at ordinary times, you can also disable this function in the APP setting to save the power of the smart lock and realize longer battery life.

Note:

After turning off the remote wake-up to check the situation outside the door (WiFi long connection), when someone rings the doorbell, you can still receive the doorbell message and check the situation outside the door. Within 3 minutes after ringing the doorbell, you can open the APP to check the situation outside the door actively (video intercom).

## Wandering alarm

The smart lock has PIR(human infrared detection) function, When a suspicious person wander outside the door for more than the specified time (default: 10 seconds, can be set to 10–60 seconds), the wandering alarm will be triggered. The smart lock will capture a video and push an alarm message (including a snapshot picture) to your mobile APP in real time. You can open the APP to view the captured picture and download the alarm video remotely.

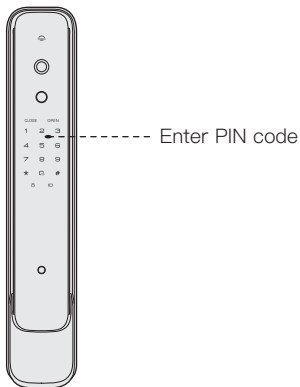
Note:

Wandering alarm function is turned off by default. To use this function, please turn it on in APP Settings.

## 5 Use the smart lock

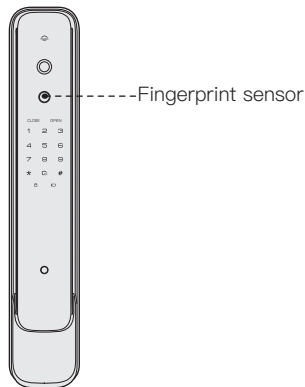
Unlock from outside(normal mode)

Unlock by PIN code



Touch the pad screen by palm to lighten keypad;  
then entering the registered PIN code with end of  
[#]. voice prompt“Verification successful, please  
open the door”

Unlock by fingerprint



Place the registered finger properly on the fingerprint  
sensor area. voice prompt“Verification successful,  
please open the door”

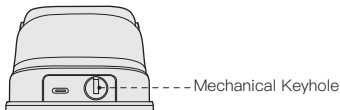


In normal mode (Dual-verification is disabled), continuously entering wrong PIN code or fingerprint 5 times in a short period of time will make this lock in lockdown for 100 seconds.  
In safety mode (Dual-verification is enabled), continuously entering any wrong two credentials combination 5 times including PIN code or fingerprint, will make this lock in lockdown for 100 seconds.

## Unlock by mechanical key

You can unlock by mechanical key if you forget PIN code, the battery run out or system error occurs.

Insert the mechanical key and then rotate 180° to unlock.

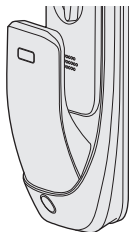


If your door is right opening direction, please turn the key clockwise.

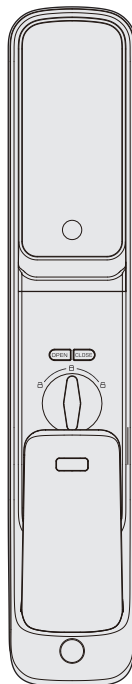
If your door is left opening direction, please turn the key counterclockwise.

## Unlock by back panel sensing handle

When sensor handle function is enabled, holding front and back side of sensing handle at same time and cover unlocking sensor can unlock from inside. When sensing handle function is disabled, please use OPEN button to unlock.



## Unlock/lock from inside





- 1. CLOSE button**  
Press CLOSE button once to lock.  
Long press CLOSE button for 3 seconds to enable privacy mode.  
In privacy mode, lock can be opened only from inside or by master credentials from outside.
- 2. OPEN button**  
Press OPEN button double to unlock.
- 3. Turn on/off the sensing handle**  
Press the OPEN button and CLOSE button for 10 seconds at the same time to turn on or off the sensing handle.
- 4. After turning off the sensing handle,**  
if the handle sensor is triggered, the CLOSE light will flash to alert you;  
You can press the OPEN button + CLOSE button for 10 seconds to switch on the sensing handle.



## Volume adjustment



Mute button

When system is in voice mode, you can long press  button to enable mute mode after keypad is waked up. When the system is in mute mode, you can long press  button to enable voice mode after keypad is waked up and no number is entered.

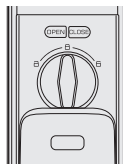
## Defense mode



Defense mode button

1. Enable: After closing door, press the defense mode button to enable defense mode. voice prompt "defense mode enabled". In defense mode, if someone unlock from inside , the alarm will be triggered.
2. Disable: Defense mode will be disabled once it is unlock from outside.

## Emergency thumb turn



When system functions is in abnormal, you can rotate emergency thumb turn to unlocking position to unlock from inside.

## Doorbell function

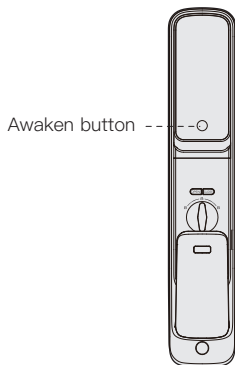


Doorbell

When someone pressed the doorbell button , the doorbell sounds and video intercom camera will shoot a video to send to paired APP and send a notice. you can press notice to see real-time situation of outside of door (The APP will display incoming calls in the background, Ensure that the APP (android) has been granted automatic startup and whitelist permissions, Otherwise, the android phone may not receive push messages). In real-time video intercom, a one-time PIN code can be generated, and the APP side can take screenshots and record screens. PS: It is required to pair lock first to open real-time video intercom camera function and make sure the lock is network Configured. (please refer to the previous WiFi network configuration).

## Inside display screen

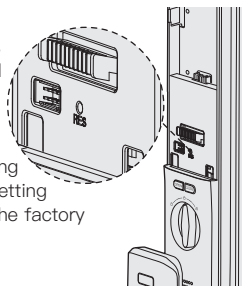
1. Press awaken button once to wake up display screen to see outside situation, press awaken button again can close display screen and awaken button light.
2. Display light-up time 5/10/15 seconds (default 10 seconds), brightness (high, medium and low, default medium), user can set it in the mobile app.
3. Display is on by default when you press the doorbell, you can turn on or turn off it in the mobile app.
4. Display screen is turn on : Outdoor click doorbell, the display and awaken button light come on simultaneously, you can watch the dynamic outside the door in real time though the display; touch the awaken button again to turn off the display.
5. Display screen is turn off : Outdoor click doorbell, only awaken button light come on, touch the awaken button, you can watch the dynamic outside the door in real time though the display; touch the awaken button again to turn off the display.



## 6 Other functions

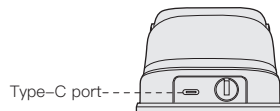
### Factory reset

If you forget master PIN code, When the battery is working properly, you can double press reset button on the back panel by a eject pin, then press “#” key on the keypad within 15 seconds according to the voice guide to confirm restoring to factory settings. After the setting is successful, voice prompt “The factory Settings have been restored”.



### Emergency power supply

When the battery voltage is too low to open the lock from outside, you can use 5V power bank to charge the door lock via Type-C port. After the door is unlocked, please replace battery immediately.



Note :

When battery is too low, voice prompt “Low battery, please change battery in time” at each unlocking and please replace battery immediately.

## System reboot

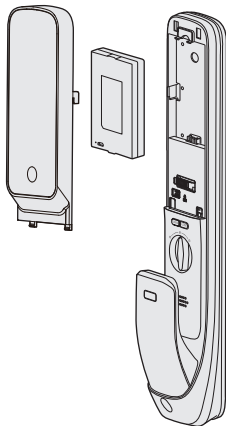
If you need to reboot the system, you can use a 5V power bank as an emergency power supply and power the door lock through the Type-C port.



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## Replace battery

When voice prompt “low battery , please change battery in time”. please follow the prompt to change battery in time.



## Shenzhen Kaadas Intelligent Technology Co.,Ltd.

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China