Model: K20 Pro Max 3D Smart Lock with Camera and Display Screen

Kaadas

User Manual

Dear customers,

Thank you for choosing 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 damages and losses if you don't follow the instruction to install.

Contents

1   Important Information

Safety instruction

◆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.

◆Only use the lithium battery configured in this product.

◆Do not forcibly disassemble this product in order to avoid alarm sound or damage to the product.

◆Do not scratch the fingerprint reader with sharp objects, otherwise it may cause permanent Long–term damage.

◆Do not expose the product to corrosive substances, so as not to damage the outer protective layer.

◆Do not hang objects on the handle, so as not to affect 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 operating.

◆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 modify the default master PIN code immediately and keep the mechanical key in a safe place. Don't disclosure PIN code to the unknown person.

◆When low battery alarm is triggered, please replace all the batteries

Warning

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

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

◆Do not let it happened connection of two terminals of battery lead shorted with metal objects in case of explosion.

◆Making sure replacement or maintenace 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.

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.

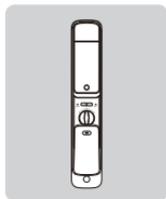◆The battery can not be disposed of with ordinary household garbage.

2   Installing your smart lock
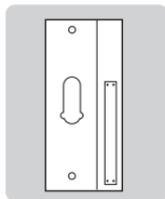
Package contents

This package list is for reference only, and all contents are subject to the actual packaging contents.
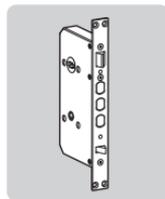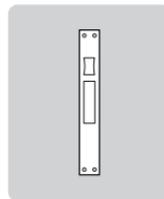
Front panel
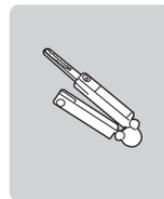(with rubber gasket)

Back panel
(with rubber gasket)

Drilling template

Mortise

Strike

Mechanical key
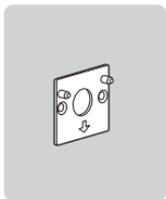
Monuting plate
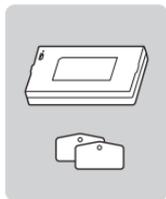
Lithium battery
& user card

Screw pack

User manual

Cleaning cloth

Lock explosive view

This lock explosive view is helpful to learn lock's structure.

1、Battery cover

2、Lithium battery

3、M6 screw (2pcs)

4、Back panel

5、M5 screw (2pcs)

6、Monuting plate

7、Mortise

8、Torque blade

9、M5 connecting screw tube(2pcs)

10、M6 connecting screw tube(2pcs)

11、Front panel

12、Rubber plug
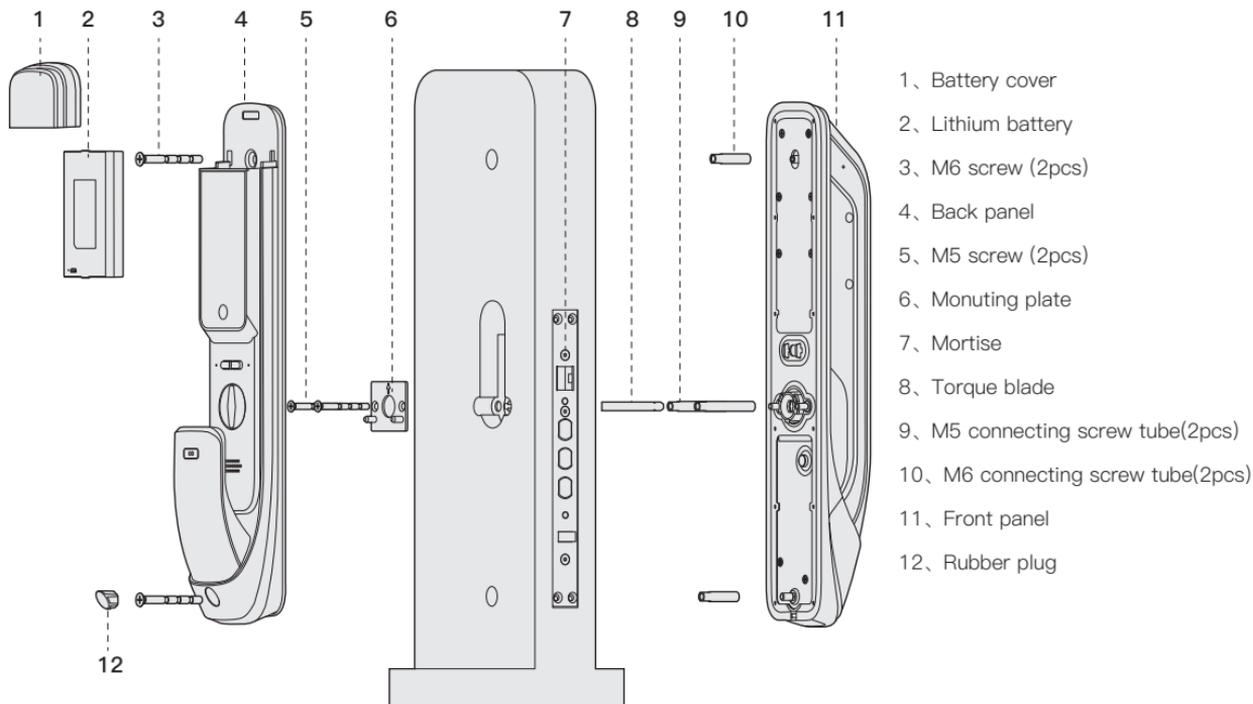
Before installation

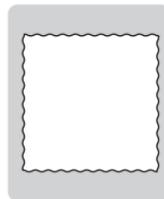Check door opening direction prior to installation.

Right Outward
opening
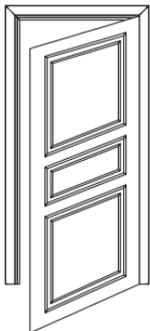
Right Inword
opening
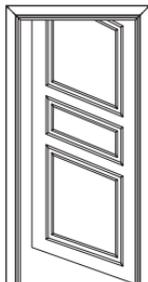
Left Outward
opening
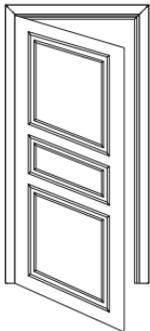
Left Inword
opening
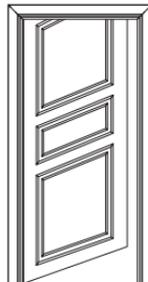
Latch direction change

1.Unscrew screws on the face plate of mortise with hexagonal screw–driver and remove face plate.
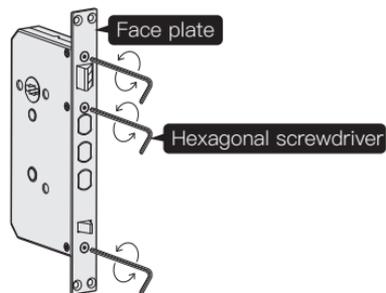
2.Take out latch bolt, turn it 180° to change latch direction and put it back.

Face plate

Hexagonal screwdriver

Latch bolt
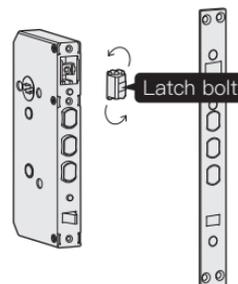
3.Install face plate and secure screws with hex wrench to finish changing latch direction.

Face plate

Hexagonal screwdriver

Installation steps

Front WiFi connection cable

M6 connecting screw bolt

Front panel connection cable

Torque blade

M5 connecting screw tube (2pcs)

M6 connecting screw tube

NOTE:
Cut proper length torgue blade according to door thickness.

Front WiFi connection cable

Mortise connection cable

Front panel connection cable
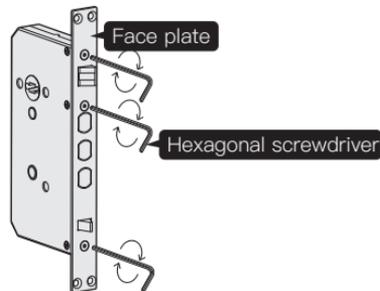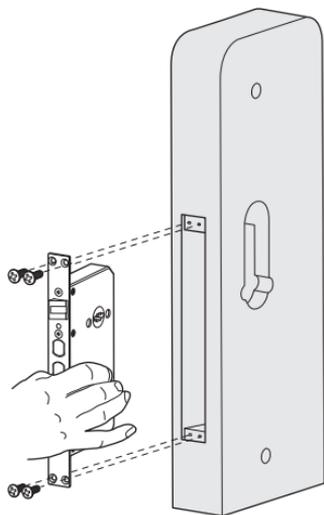
Dirlling holes on the door prior to installing lock, then install mortise in door and secure mortise with supplied screws.

Install connecting screw bolt on the front panel and put torque blade in square shaft hole.
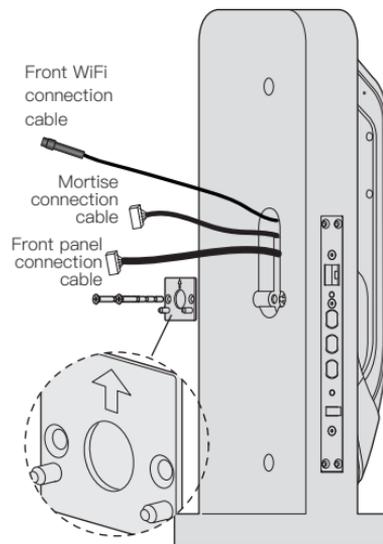
Send connection cables through hole on the door and insert torque blade of the front panel through the rotating hole on the mortise, then fix front panel with mounting plate.

Back panel connection cable interface

Back WIFI connection cable

Mortise connection cable interface
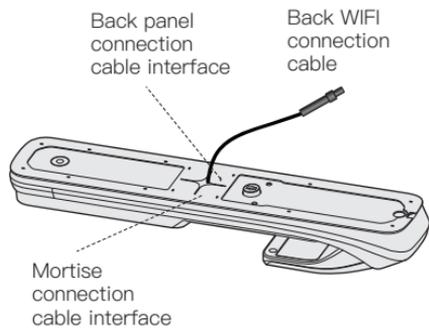
Insert front panel connection cable and mortise connection cable to corresponding interface on the back panel, fasten tightly front and back WIFI connection cables
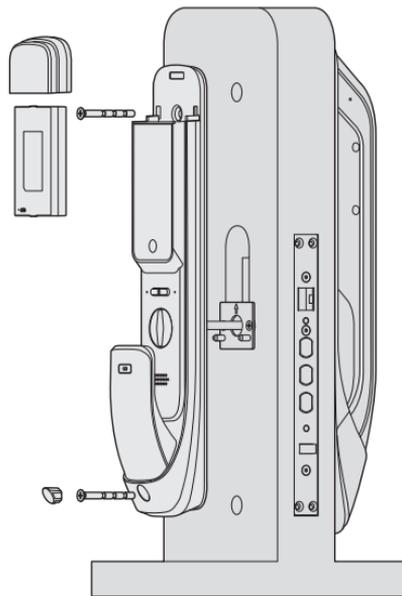
Put back surplus length connection cables into the hole on the door and insert torque blade into emergency konb of back panel, then secure back panel with screws and load batteries and install battery cover.

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

3 Overview

Front panel

- Doorbell
- 3D face recognition
- Video intercom camera
- Fingerprint sensor
- Open/close indicator
- Keypad
- Card reader area
- Privacy mode indicator
- Low battery indicator
- Awaken sensor
- Mechanical key hole
- Type–C interface

Back panel

- Display screen
- Display awaken button
- Open button
- Reset button
- SET button
- Emergency knob
- Close button
- Unlocking sensor
- Sensing handle
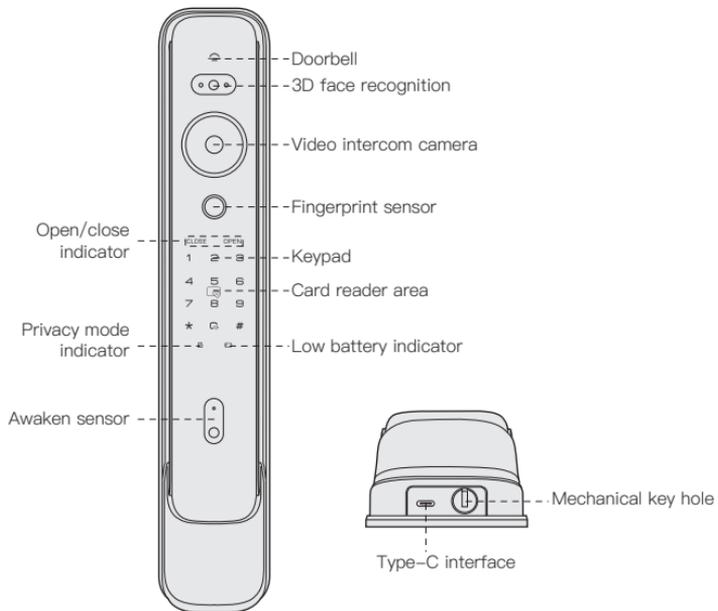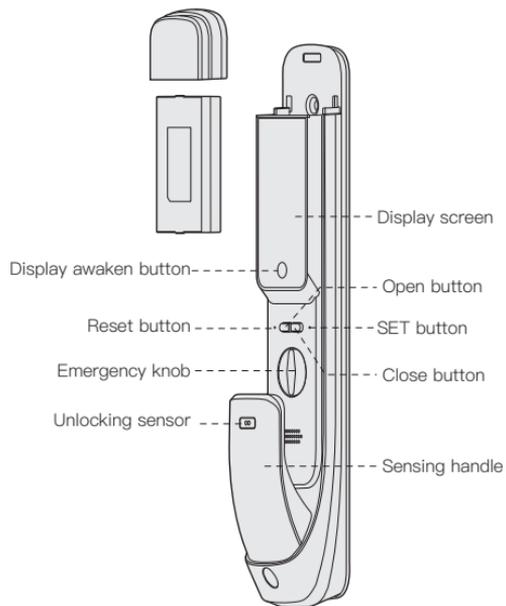
4 Setting your smart lock

WiFi Pairing

Please scan QR code or search " Kaadas Smart" in app store to download and install APP.
Please complete registration if use this APP first time.
Open APP home page after sign in successfully, click "+" at right corner, select "scan code to add", then scan the QR code on the back of the battery cover to add the device.

⚠

Please ensure latest app version if you already download Kaadas Smart APP on your phone. if QR code on the battery cover can not be scanned, please select" manual add" , then enter the device model.
① This lock only support 2.4Ghz WiFi frequency and does not support 5Ghz frequency. If WiFi pairing failed, please check router setting.
② Make sure distance between router and lock not exceed 10m, otherwise weak siganal may affect connection effect.
③ Please keep WiFi network connection smooth, otherwise it may affect some lock function.
④ Please make sure lock power supply is normal.

Adding user and PIN code

When it is inconvenient to pair lock by mobile Kaadas Smart APP, you can press SET button once on the lock, register master PIN code or register master fingerprint according to voice guide. Only one type of credential can be registered at a time.

If the lock has been added using the phone Kaadas Smart APP, open the APP home page, enter user management inteface,follow the APP guidelines and lock voice prompts to add users and user credentials.

Prior to setting up

This 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 (face–recognition+PIN code, face–recognition+fingerprint, face–recognition+card, PIN code+fingerprint. PIN code+ card, fingerprint+card.)

Dual–verification disabled: single credential verification (face–recognition, PIN code, card or fingerprint).

Credential	Dual–verification enabled	Dual–verification disabled
Master PIN code, fingerprint	Support	Support
User PIN code, fingerprint, cards or face–recognition	Support	Support
Recurring and duration PIN code	Support	Support
One–time PIN code	Not support	Not support
Duress PIN code or fingerprint	Support	Support

Note:

User PIN code(master, duress PIN code), user fingerprint(master, duress fingerprint), card, face–recognition, Any two or more unlocking credentials can open.

5   Using your smart lock

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

Unlock by face recognition	Unlock by PIN code	Unlock by card	Unlock by fingerprint

Unlock by face recognition

3D face recognition
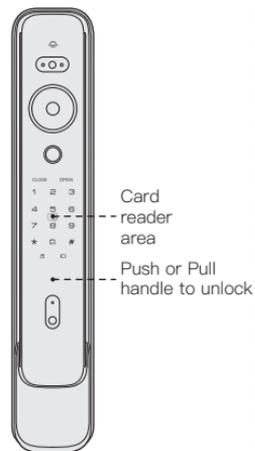
Push or Pull handle to unlock
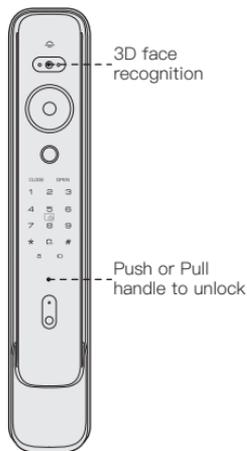
When the user approaches the door lock, the camera automatically starts face recognition, and the recognition is confirmed successfully; Voice prompt "Door opened". Push or pull the handle to open the door.

Unlock by PIN code

Enter PIN code

Push or Pull handle to unlock
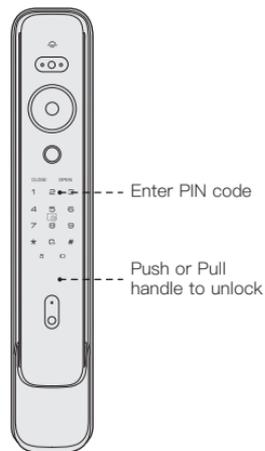
Touch the pad screen by palm to lighten keypad; then entering the registered PIN code with end of [#]. After voice prompt "door opened", push or pull handle to open the door.

Unlock by card

Card reader area

Push or Pull handle to unlock

Place the registered card properly on the Card reader area. After voice prompt "door opened", push or pull handle to open the door.

Unlock by fingerprint

Fingerprint sensor

Push or Pull handle to unlock
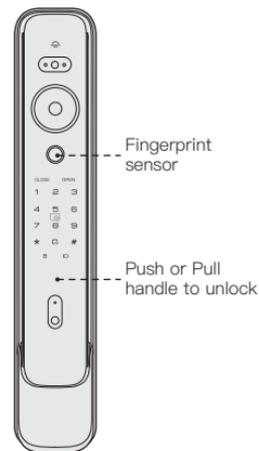
Place the registered finger properly on the fingerprint sensor area. After voice prompt "door opened",push or pull handle to open the door.

Unlock by mechanical key

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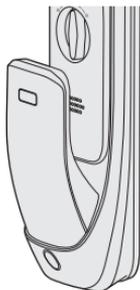

- - - - Mechanical Key hole

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 sensor handle

When sensor handle function is enabled, holding front and back side of sensor handle at same time and cover unlocking sensor can unlock from inside.

When sensor handle function is disabled, please use OPEN button to unlock.

Unlock/lock from inside

Open door button

Close door button

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 PIN code from outside.
2. **OPEN button**
   Double press OPEN button to unlock

3. **Enable/disable sensor handle function**
   Long pressing OPEN and CLOSE button for 10 seconds at same time can enable/disable back panel sensor handle function.

4. After closing the sensing handle, if the sensing handle is triggered, the CLOSE door button will flash to remind.
   You can long press the OPEN door button (OPEN) plus close door button (CLOSE) for 10 seconds to open the sensing handle.

Volume adjustment

When system is in voice mode, you can long press ⓠ button to enable mute mode after keypad is waked up.

Mute button

Defense mode

1. Enable: After closing door, press the defense mode button to enable defense mode. voice prompt: defense mode enabled.
   In defense mode, if someone unlocks from inside , the alarm will be triggered.

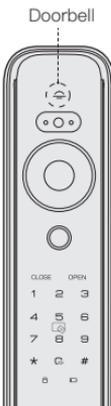2. Disable: Defense mode will be disabled once it is unlock from outside.

Defense mode button

Emergency knob

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

Emergency knob

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.

PS:
It is requred to pair lock first to open camera function and make sure App get related phone permission.

Inside display screen

1. Press awaken button once to wake up display screen to see outside situation, pressing awaken button again can close display screen and keypad 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. Click on the doorbell to wake–up the disaplay, you can watch the dynamic outside the door in real time though the display; touch the wake–up button again to turn off the display.

Display awaken button
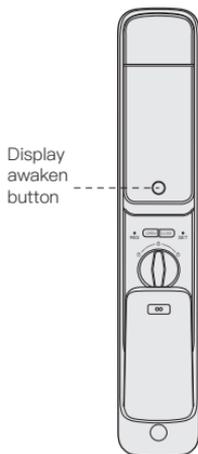
6   Other functions

Restore to factory settings

If you forget master PIN code, you can double press reset button on the back panel by a pin tool, then press "#" key on the keypad within 15 seconds according to the voice guide to confirm restoring to factory settings.
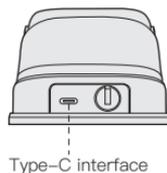
Reset button

⚠

After restoring to factory settings, lock can't be locked normally and any fingerprint can be used to unlock. it is required to pair lock to add credential as soon as possible.
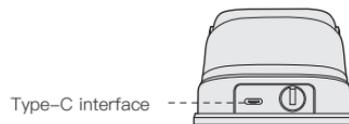
System reboot

You can plug in a 5V power bank via Type–C port to reboot the lock system.

Type–C interface

Replace battery

When voice prompts that low battery , please change battery in time . please follow the prompt to change battery in time
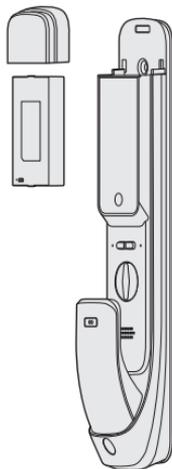
Emergency power supply

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 all batteries immediately.

Type–C interface

Note :

When battery is too low, voice prompts "Low battery, please replace all batteries" at each unlocking and please replace all batteries immediately