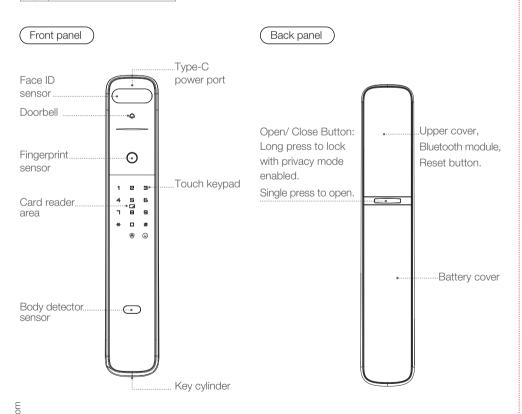
Please read these instruction carefully before using the product.

PP9100 USER MANUAL

Product specification and components

	Features
6	6 unlocking ways
T	Face ID
	Biometric fingerprint reader
*	Bluetooth APP control
(C)	Burglary alarm function
000	Random security coding
(ch	Privacy function
	Low battery alarm
(*)	Emergency power supply
	(USB Type-C)
I	Prevent mischief and hacking
(1)	Voice prompts

	Basic Specifi	ication					
User Capacity	99						
Unlocking Way	Face ID + Fingerprint + Password + Card + Mechanical Key + Application						
Voice guide language	English						
Power	Battery	8PCS* AA Alkaline Batter					
	Emergency Power	5V , USB Type-C					
	Alarming Voltage	<4.8V					
Material	Lock panel	Aluminum Alloy, ABS+PE					
	Mortise Lock	Stainless Steel					
Working	Temperature	-20℃ - 70℃					
Environment	Humidity	40% - 80%					



* The contents of this user manual are subject to change without prior notice to the user in order to enhance performance of the products.

(Mortise Lock)

Deadbolt..

Latch

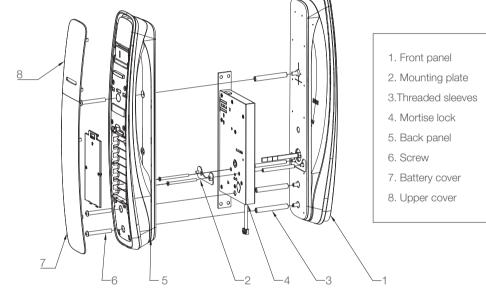
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(Packing List) (Mechanical key



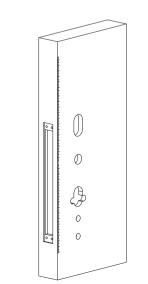






Installation steps

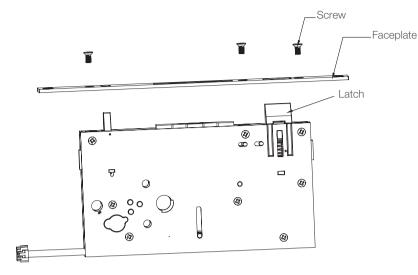
(1) Draw lines on the door as marked on the template, the suggested distance between handle and the floor is 1m-1.2 m, Then drill the holes as required.



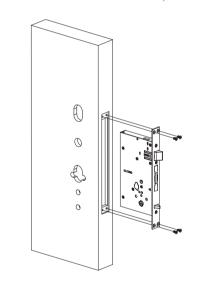


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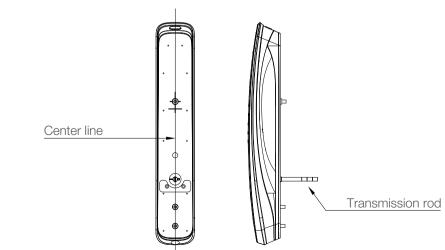
(2) Change latch direction, disassemble the faceplate of the mortise and rotate the latch bolt 180°.



3 Insert mortise into the door and use 4 pcs of M5*10 crosshead screws to fix the mortise. (ST4.2*25 self-tapping counter sunk screws for Wooden Door).



4 Install transmission rod on the front panel as shown above. Please adjust the transmission rod to the position as shown below.





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2 screws fix the front panel with mounting plate.

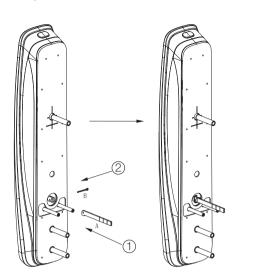
(8) Use 3 screws to fix back panel to the front panel.

Then insert the rubber plugs into the back panel

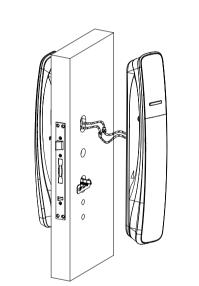
and back side of the handle. Install 8 pcs of

alkaline batteries Then check the lock operations.

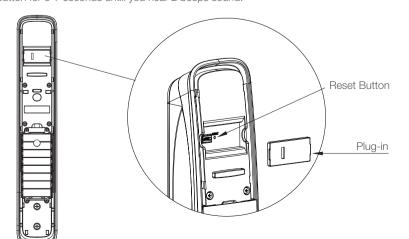
(5) Install 5pcs threaded sleeves on the front



7 Connect front panel cable and mortise cable to related connectors on back panel.



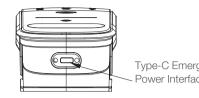
(9) After finished installation, please pair front and back panel by using a paper clip and keep pressing the reset button for 6-7 seconds untill you hear 2 beeps sound.





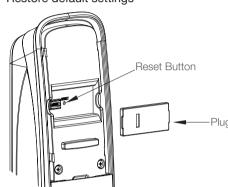
(6) Pass 2 cables through the top hole. Make sure Instructions the transmission rod through the mortise. Then use

Emergency Power Supply



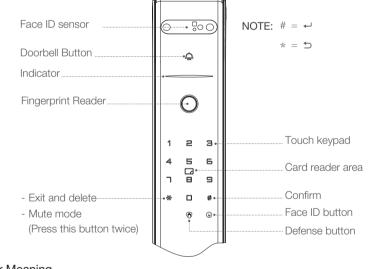
When the battery voltage is too low and the lock cannot be opened from outside, connect a 5V power supply via USB Type-C port at the front. Then unlock the door and replace all batteries

Restore default settings



Remove the upper cover and take out Bluetooth module. Then use a paper clip and keep pressing the reset button for 3 sec until you hear 1 beep sound. After that all user data and settings will be deleted.

Keypad operation instructions



Indicator Meaning

The light flashes green when verification succeeded. The light flashes red when verification failed.

Low battery status indicator

Light flashes red when battery is low with voice prompts (non-mute mode).

System locked status indicator

If enter wrong user ID 5 times in 5 minutes, lock will suspend 90 seconds with alarm and indicator turns red.

Mute mode indicator

The indicator of turn on/turn off mute mode is green with voice prompts (double click * key to turn on/ turn off mute mode).

After turn on privacy mode, the indicator light is red when the system is woke up.

When press #, the light will turn blue only admin fingerprint/ password able to unlock in this mode.

Restore factory settings indicator

The indicator light is green when the system data is cleared.



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Defense mode indicator

The light flashes green when defense mode enabled.

Bluetooth Indicator

The indicator light is blue when Bluetooth is pairing. The indicator light is green when pairing succeeded

The indicator light is red when pairing failed.

Face recognition indicator

The indicator light is blue after pressing the face ID button on the front panel.

How to lock/ unlock the door

Lock the door

The door will be locked automatically after closing. (Auto lock)

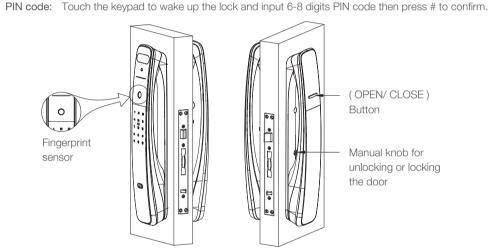
Note: This lock has no manual lock function.

Unlock from outside

Face ID: Touch the keypad to wake up the lock and press the Face ID button to activate the sensor. If automatic face ID function is enabled, just stand 30-50 cm in front of the lock and face sensor will automatically unlock the door

Fingerprint: Place the enrolled fingerprint on the sensor.

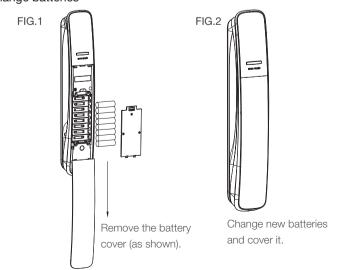
Key card: Touch the keypad to wake up the lock and tap the enrolled key card on the reader area.



Lock / Unlock from inside

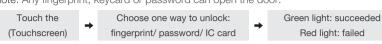
- 1. Short press (OPEN/ CLOSE) button on back panel, which will quickly unlock and when the button
- 2. Long press (OPEN/ CLOSE) button on back panel 3 seconds to lock the door and enable privacy mode, the button light will turn from green to red.
- 3. Lock/ Unlock the door in emergency by rotating the knob on the back panel.

How to change batteries



Operating process

Note: Any fingerprint, keycard or password can open the door.



(2) First setting (register administrator)

Note: Default administrator ID is 01 when first registration.



Face recognition function

(1) Demo mode

Note: • The smart lock must be equipped with eight batteries before using the face ID function.

- Make sure no one is behind you when you register your face, otherwise, face ID registration may fail.
- Make sure you paired front and back panel following No.9 step of installation step before registering Face ID. For example: If the current date and time is 2 Feb 2023 @ 5:23 pm, Date format is 2023-02-02 and time
- Face ID function consumes more power. It may reduce battery life time depends on operating frequently. format is 17-23.
- Applicable Height: 1.4m 2m.
- Recognition distance: 0.3m 1m.
- Recognition speed: < 1.3s.
- Face recognition angle: Pitch angle: 30°, Rotation angle: 30°, Yaw angle: 30°.

Follow the voice prompt to register face recognition. Please use your hand to slightly block the light above the face sensor when the light is too bright.

Voice prompt: • 2 Please move forward.

- 4 Please be left; Move to the left side.
- 5 Please keep / Please look up/ Please look down/ Turn your head to the left/ Turn your head to the right/Excessive light.
- 6 Please be right; Move to the right side.
- 8 Please move backward.

Operation: Please stand at an appropriate distance and face to the camera, then touch the screen and press the face ID button key to verify.

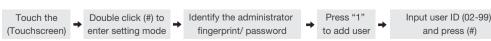
(3) Change administrator data

Note: Default administrator ID is 0.



(4) Register user

1. Press (#) can skip Fingerprint/ password/ Key card/ face ID registration step. 2. Up to 98 sets of user data including face information, fingerprints, key cards and passwords can be added.



Input 6-8 digits Confirm password Input fingerprint Press (*) to exit key card again and press (#)

Succeeded

(5) Delete registered user

(6) Date and time settings

(7) Volume setting

(Touchscreen) enter setting mode

Note: The default is medium volume

(Touchscreen) enter setting mode

(8) Restore factory default setting

(9) Fingerprint trial

(10) Child lock setting

Note: This procedure will delete all user data and settings

Double click (#) to

enter setting mode

Double click (#) to

enter setting mode

off and the face information cannot be deleted.

Note: Input o1 will prompt deletion failure. When the battery power is low, the face recognition function will turn

Touch the (Touchscreen) Double click (#) to enter setting mode | Identify the administrator fingerprint/ password | Press "2" to enter deletion mode | Input the ID to be deleted (02-99) and press (#)

Double click (#) to ___ Identify the administrator ___ Press "3" to enter system

Touch the Double click (#) to Identify the administrator Press "3" to enter system Press "2"

Press (#) to confirm

factory default setting.

Identify the administrator

fingerprint/ password

Identify the administrator

2. When this function is disabled, the lock won't suspend even enter wrong fingerprint over 5 times.

Note: Under the child lock mode, please press the "OPEN/CLOSE" button twice within 1 sec to open the door.

fingerprint/ password

Year - Month - Day

fingerprint/ password



Press 1 - Delete fingerprint.

Press 2 - Delete password.

Press 3 - Delete Key card.

setting mode

(4 digits) - (2digits) - (2digits) (2digits - 24 hour) (2digits)

setting mode

Press 1 - Minimum volume

Press 3 - Medium volume

Press 4 - High volume 1 2 3 4

Press "3" to enter system

Press "3" to reset factory

default setting

Press "3" to enter system

settina mode

Press "4" to fingerprint

Press "3" to enter system

setting mode

Choose volume level

← Press 2 - Low volume

Press 4 - Delete Face ID user.

Press 5 - Delete the whole ID.

Hour

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(11) Bluetooth Pairing

First step please download Hafele Smart Living App from the App store or Play store before using this function Then finish the signing up process.

- 1. Turn on phone's Bluetooth and open the APP.
- 2. Click "Add device" then do the following step on the lock to pair the Bluetooth.

(Touchscreen) → Bousie clink (ii) to + clink y the daministrate in the fingerprint/ password. → Press "3" → Press "6" → Succeeded	Touch the (Touchscreen) →	Double click (#) to enter setting mode.	→	Identify the administrator fingerprint/ password.	→	Press "3"	→	Press "6"	→	Succeeded
---	---------------------------	---	----------	---	----------	-----------	----------	-----------	----------	-----------

Indicator light: Blue = Bluetooth pairing Green = Pairing succeeded

Red = Pairing failed

3. After Bluetooth connection is established, click "Done" to finish the pairing process.

Note: If the APP notices you that "This lock is already bound with another user" and cannot pair the Bluetooth, Please contact Hafele customer service for more details.

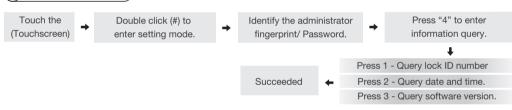
(12) Automatic Face ID function - Body detector sensor ON/ OFF

Note: 1. Default setting, this function is disabled.

2. When someone approaches in front of the lock within distance 30-50cm, the face ID function will be activated automatically. However, enabling the automatic face detection function will shorten the battery life if someone walks past the lock frequently. Check the battery level regularly.



(13) Query lock ID number



Operation Features

Type of user ID

1. Administrator (01) can open the door and manage lock data information. In special cases, the administrator user has the highest authority. We recommend only the households and leadership to use this level function

2. Common user (02-99) can open the door only.

Key function 1. Default setting, this function is enabled. If enter wrong user ID 5 times in 5 minutes, lock will suspend 90 seconds.

I. " * " Exit key and delete key, " # " enter key. 2. Double click "#" key to setting mode.

* - #

3. Double click " * " key to mute mode, and once double click " * " can exit mute mode. In mute mode, double-click the "#" key to enter the setting mode and with voice guidance,

Automatically switch to mute mode after exiting setting mode.

4. " 🕅 " Defense button: When the door is locked, long press the defense button. Lock will sound an alarm when someone opens the door from inside.

You can verify an enrolled fingerprint/ key card / password to turn off an alarm.

5. "A" Doorbell key.

6. "@" Face recognition.

Long press (OPEN/ CLOSE) button inside the door to enable this function.

When privacy mode is ON, only the administrator fingerprint and password can open from the outside. Press "5" to child lock setting Common user cannot unlock the door in this mode.

System reset function

Please keep pressing the reset button on the back panel with a paper clip for at least 3 seconds to restore the lock to factory default. This procedure will delete all user data and settings.

Random security coding function

Add any numbers before or behind the real user PIN code but the maximum length is 18 digits. This feature will prevent the real user PIN code from being exposed.

Emergency power supply

When the battery voltage is too low and cannot be opened from outside, connect 5V power supply via Type-C USB cable at the front. Then unlock the door and replace all batteries immediately

When the voltage is lower than 4.8V, there will be a sound alarm after each opening, Please replace all batteries immediately.

Burglar alarm

1. If someone tries to break in, the lock will sound an alarm.

2. To turn off the alarm: Touch the keypad and identify with the authorized ID.

Prevent mischief and hacking

If enter wrong user ID 5 times in 5 minutes, lock will suspend 90 seconds with alarming, after that the lock will

System report function

If the lock system is not working, please use Type-C USB cable to connect to portable power bank and plug in emergency power supply interface.

The front and back panels are unmatched

Please press the reset button 6-7 seconds until you hear 2 beeps sound when the system prompts "please press reset button" to pair front panel and back panel (No data is deleted).



Read and understand all instructions before use

- If damage is caused by failure to follow these instructions, the warranty does not apply.

Only use the alkaline batteries. And it is not recommended to use special battery such as EVOLTA, etc.

Do not expose the product and accessories to rain or water.

- Do not expose the product to corrosive substances to avoid damage to the protective cover.

- When cleaning the product, please wipe with a soft cloth.

- If there is a low battery alert, please replace all the batteries in time and make sure they are properly

- Do not scrape the fingerprint sensor with any sharp objects, otherwise it may cause permanent damage