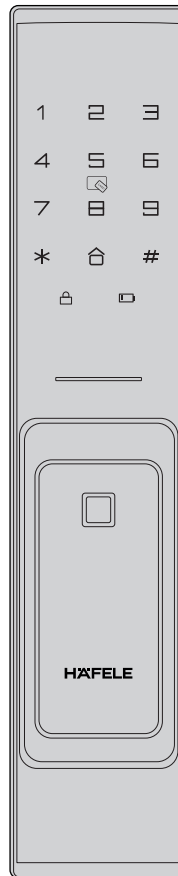




## Digital door lock Model PP8100



## PP8100 User manual

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## ✓ Product features



### Five way solution

Five electronic locking modes: master PIN code/user PIN code, key card, fingerprint, Bluetooth and emergency key.



### Master PIN code/ User PIN code/ Key card/ and Fingerprint identification

1 master PIN code, up to 10 user PIN codes, 100 key cards, 100 fingerprints.



### Random security coding function

The random number can be added before or after the real user PIN code but the maximum length is 32 digits. This feature will prevent the real user PIN code from being exposed.



### Auto lock/Auto re-lock function

When the door is closed, the lock will lock automatically (In case of auto locking mode).



### Privacy function

When the double lock function is activated the door cannot be opened from outside with user PIN code, key card or fingerprint except with master PIN code.



### Defense mode

If someone exit from inside, the lock will alarm.



### Burglary alarm function

When the door is opened by force, the lock is suspended with alarm.



### Prevent mischief and hacking

When entering 5 times a wrong user PIN code, key card and fingerprint, the lock is suspended 2 minutes. After that the lock will activate again. While the lock is suspended, the system will alarm when you are trying to use keypad.



### Alarm for battery replacement time

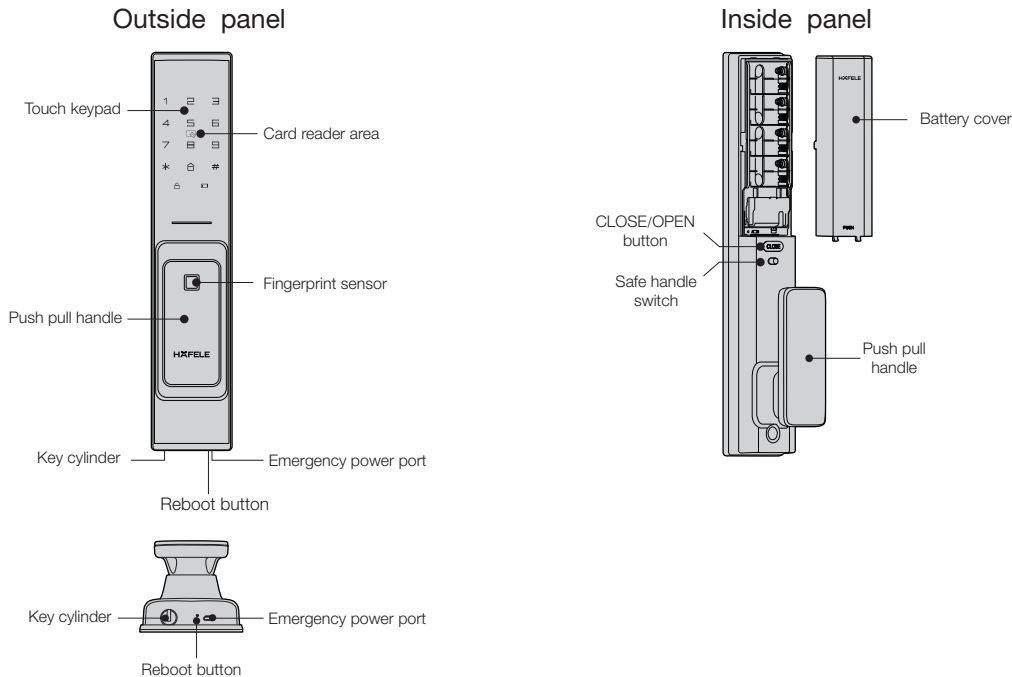
When the power of battery is too low, a warning voice will appear. Please replace all batteries immediately.

## Read before using

### ✓ Warnings

- \* Read and understand all instructions before use.
- \* If damage is caused by failure to follow this instructions, the warranty does not apply.
- \* Only use alkaline batteries.
- \* 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.
- \* Do not scrape the fingerprint sensor with any sharp objects, otherwise it may cause permanent damage.
- \* 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 installed.

### ✓ Product specifications



### ⚠ CAUTION

1. You can follow the voice guide by multi-language (English/Chinese).
2. Master PIN code (6~12 digits): Default master PIN code is "12345678", please modify it after installation.
3. User PIN code (6~12 digits): Maximum capacity is 10 with user number [00-09].
4. Fingerprint: Maximum capacity is 100 with user number [00-99].
5. Card: Maximum capacity is 100 with user number [00-99].

Read before using

## ✓ Factory default settings

Settings	Factory defaults
Master PIN code*	12345678
Opening mode setting	Normal mode
Speaker	Enabled
Wrong code entry limit	5 times
Shutdown time	2 mins
Voice guide language	English

\*Important: First step is to set your own master PIN code.

## ✓ Quick setup guide

**MP**

Master PIN code

**UP**

User PIN code

**00~  
09**

Input number (00~09)

**00~  
99**

Input number (00~99)



Enter fingerprint



Enter card



Star key, return to previous menu

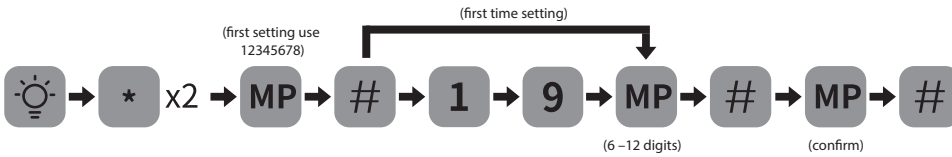


Touch the screen to activate lock

## Lock operation

### ✓ Add/Change access data

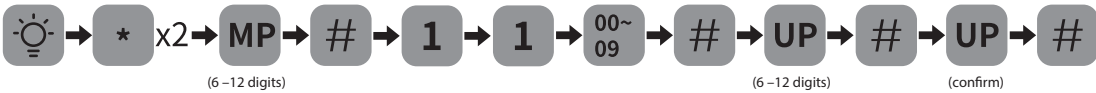
How to change master PIN code



#### ⚠ CAUTION

1. Before changing default master PIN code, all other setting menu will be disabled. You have to change master PIN code first, then do other lock settings.

How to add user PIN codes

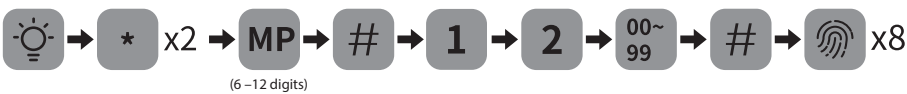


User Number	User Type	Notes
00- 04	Normal User	* Permanent
05- 08	Temporary User	* Invalid after using one time or in safety mode
09	Reserved	* Only used in combination with network Module expansion

#### ⚠ CAUTION

1. When registering user PIN codes, the code must be entered within 10 seconds.
2. At any time you can return to the previous menu by pressing the “\*” key.

How to add fingerprints



User Number	User Type	Notes
00- 94	Normal User	* Permanent
95-99	Reserved	* Only used in combination with network Module expansion

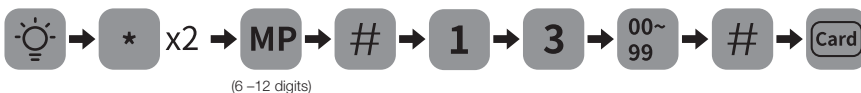
#### ⚠ CAUTION

1. When registering user fingerprint, the fingerprint must be entered within 10 seconds.
2. At any time you can return to the previous menu by pressing the “\*” key.

## Lock operation

### ✓ Add/Change access data

How to add key cards



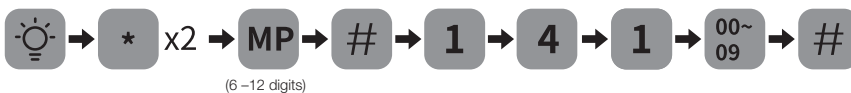
#### ⚠ CAUTION

1. When registering user card, the card must be entered within 10 seconds.
2. At any time you can return to the previous menu by pressing the "\*" key.

### ✓ Delete access data

How to delete user PIN code

Delete one user PIN code



Delete all user PIN code (Unusable in safe mode)



#### ⚠ CAUTION

1. When deleting user PIN codes, the user number must be entered within 10 seconds.
2. At any time you can return to the previous menu by pressing the "\*" key.

## Lock operation

### ✓ Delete access data

#### How to delete user fingerprint

Delete one user fingerprint



Delete all user fingerprints (Unusable in safe mode)



#### ⚠ CAUTION

1. When deleting user fingerprint, the fingerprint or user number must be entered within 10 seconds.
2. At any time you can return to the previous menu by pressing the "\*" key.

#### How to delete key card

Delete one key card



Delete all keys card (Unusable in safe mode)



#### ⚠ CAUTION

1. When deleting user card, the card or user number must be entered within 10 seconds.
2. At any time you can return to the previous menu by pressing the "\*" key.



## Lock operation

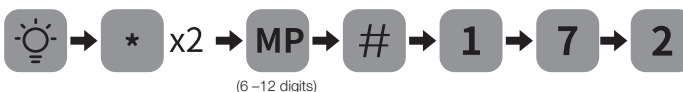
### ✓ Additional lock features

#### Opening mode setting

Normal mode: Single verification means opening by PIN code, fingerprint or card.



Safe mode: Double verification means opening by PIN code + fingerprint, PIN code + card or fingerprint + card.



#### Voice guide setting

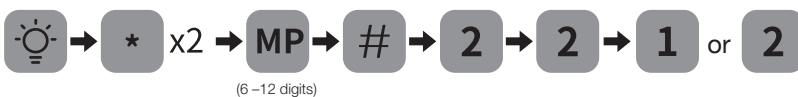
Turn on voice guide



Turn off voice guide (Excluding alarm and menu operation)



#### Language setting



**1** Chinese    **2** English

#### System query serial number



## Lock operation

### ✓ Additional lock features

#### Network module (Optionally available)

Join network



Log off network

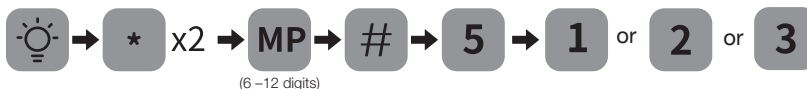


#### Bluetooth settings

Enable Bluetooth



Manage Bluetooth (under Bluetooth turned on)



**1** Connect Bluetooth

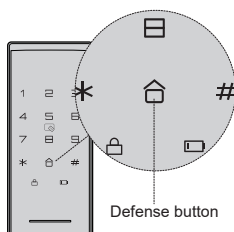
**2** Disconnect Bluetooth

**3** Disable Bluetooth

#### ⚠ CAUTION

1. The default setting for Bluetooth is disabled.
2. Please enabling the Bluetooth first, before you manage Bluetooth. And please keep it is turned on, when you use it.

#### Defense mode

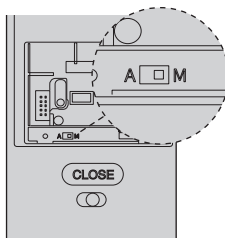


1. Enable: After door is locked, press [🏠] button to enable defense mode. Voice prompt “Defense mode enabled”. In this mode, when the door is unlocked from inside, the alarm will be triggered.
2. Disable: Once the door is opened properly from outside, the defense mode will be disabled.

## Lock operation

### ✓ Additional lock features

#### Auto/Manual mode

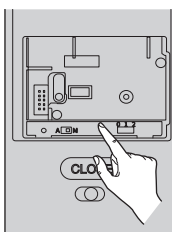


1. Remove battery cover to find the A/M switch.
2. [ A ] means auto mode: when door is closed, the deadbolt will drive out automatically, the door will be in locked status.
3. [ M ] means manual mode: when door is closed, the deadbolt will not drive out, then the door will be in unlocked status.

#### ⚠ CAUTION

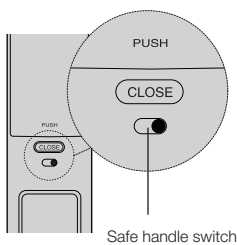
1. In manual mode, the door will be temporary hold after closing. The door will be released when user wake up the lock from outside
2. In manual mode, when the door is closed, please verify user fingerprint/Pin code/card to lock the door from outside or press the [CLOSE] button on the back panel to lock from inside

#### Privacy mode



When door is locked, long press [ CLOSE ] button to switch on privacy mode. Voice prompt “Inside deadlock enabled”, only Master PIN code and mechanical key can open the door from outside. User PIN code/Fingerprint/ Card is prohibited.

#### Safe handle feature

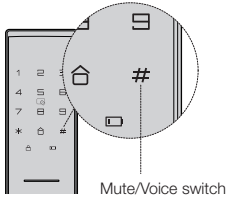


1. Enable: Move the safe handle switch to display “red” mark. Once safe handle feature is enabled, the indoor handle will be locked.
2. Disable: Move the safe handle switch to display “green” mark. The indoor handle can be pushed or pulled freely.

## Lock operation

### ✓ Additional lock features

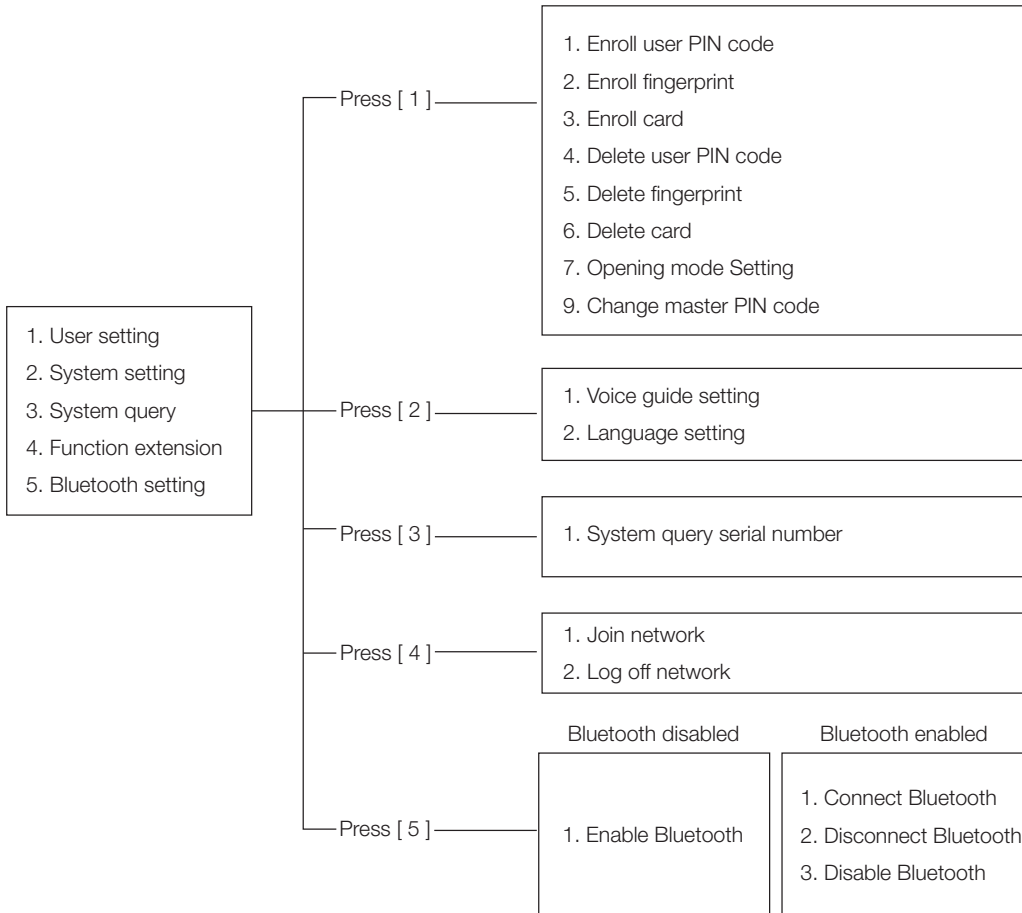
#### Mute/Voice switch (Temporary setting)



Voice> Mute: When default setting is voice mode, long press [ # ] button to enable mute mode. After the lock wakes up from sleeping status, mute mode will be disabled automatically.

Mute> Voice: When default setting is mute mode, long press [ # ] button to enable voice mode. After the lock wakes up from sleeping status, voice mode will be disabled automatically.

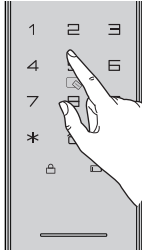
### ✓ Menu table



✓ Open & Lock the door

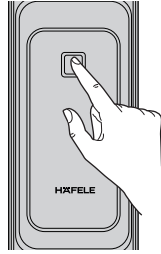
How to open the door from outside

**PIN code**



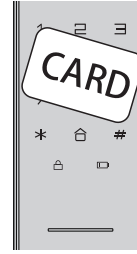
1. Touch keypad by palm to lighten keypad.
2. Enter the enrolled PIN code with end of [#]. Voice prompt "Verification Succeeded".
3. Push or Pull handle to open the door.

**Fingerprint**



1. Place the enrolled finger properly on the fingerprint sensor area until one beep sounds. Voice prompt "Verification Succeeded".
2. Push or Pull handle to open the door.

**Card**



1. Place the enrolled card properly on the card icon area until one beep sounds. Voice prompt "Verification Succeeded".
2. Push or Pull handle to open the door.

**Random security coding function**

The random number can be added before or after the real user PIN code but the maximum length is 32 digits. This feature will prevent the real user PIN code from being exposed.

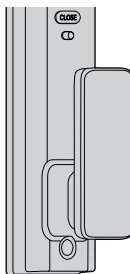


Mechanical key

**Mechanical key**

Insert the key into key hole and rotate it with proper angles. Then push or pull handle to open the door.

How to open the door from inside



**Door handle**

Push or pull handle to open the door.



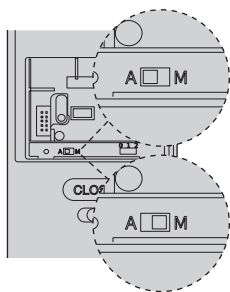
**CLOSE/OPEN button**

Press [ CLOSE ] button 2 times to open.

## How to use

### ✓ Open & Lock the door

#### How to lock the door



##### **Auto locking**

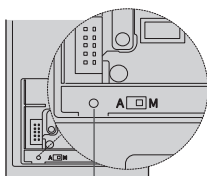
In auto mode, door will be locked automatically in 1.5 seconds after closing.

##### **Manual locking**

In manual mode, press [ CLOS ] button to lock the door from inside or verify user fingerprint/PIN code/card to lock the door from outside.

### ✓ Service features

#### Restore to factory default settings

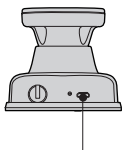


Reset button

Operation instructions:

1. Open the upper cover and find the reset button.
2. Double click [ RES ] button, then voice prompt "Restored to factory settings. Change master PIN code."
3. After that all user data and settings will be deleted.

#### Micro USB emergency power supply



Emergency power port

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

✓ Service features

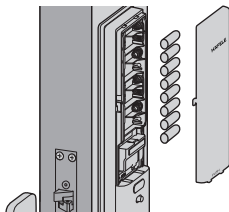
Reboot button



Reboot button

Press the reboot button to restart the lock, when the system is unresponsive. No user data is deleted.

Replace batteries



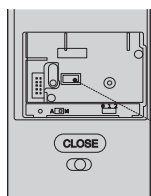
1.5V AA Alkaline Battery is required. Total is 8 pcs, divided into 2 groups.  
One group works for power supply, two groups is used for longer operation time.



CAUTION

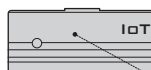
Do not mix old and new batteries together in replacement.

Network module



Network module interface

Access master mode and press [ 4 ] for function extension, which is reserved for wireless communication and other smart home interfaces.  
Please contact Hafele customer service center for more details.



Network module (optionally available)