FACE RECOGNITION DIGITAL LOCK

Smart Face recognition
Open the door lock intelligently

Anti-Backlighting
Adapting backlighting situation

Number of Records
You can register up to 55 faces and 55 cards

Twins Recognition Function
Can identify twins face correctly.

Smart Card Verification
Slide card and open smoothly

Suitable for most mechanical burglarproof lock body

Prying resistant function
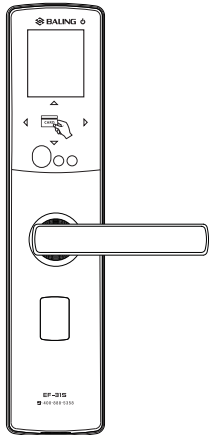Warning with alarm if detect illegal prying movement

Mechanical key open
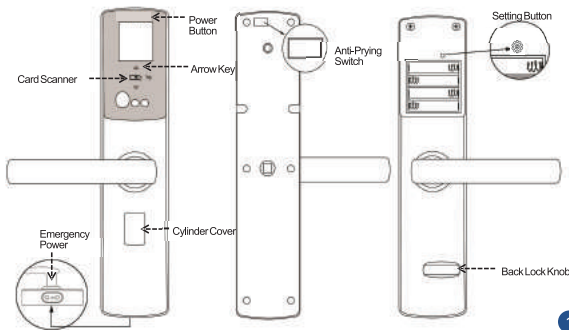With super B burglarproof cylinder lock.

Burglarproof function
Lift handle to lock up the door when go outside.

APP remote control (Optional)
Authorize temporary

Parts and Function Illustration

Power Button, Arrow Key, Card Scanner, Anti-Prying Switch, Setting Button, Emergency Power, Cylinder Cover, Back Lock Knob

Power Button
Touch the power button to awake the lock.

Arrow Key
Menu functional key, to set the management menu,

Enter the Card
Put the card on the icon to verify user.

Cylinder Cover
Protect and hide the cylinder.

Emergency Power
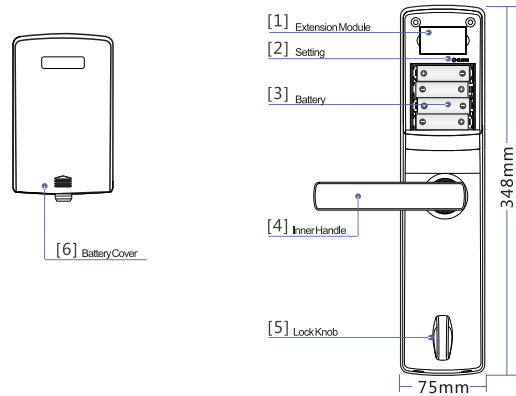Use 9V emergency power to charge the lock and open it when battery is dead.

Anti-Prying Switch
When someone is trying to pry the lock illegally, and the gap between lock plate and door is reach 1.5mm, the hummer will give "Beep"warning alarm.
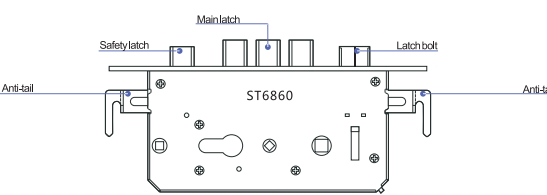
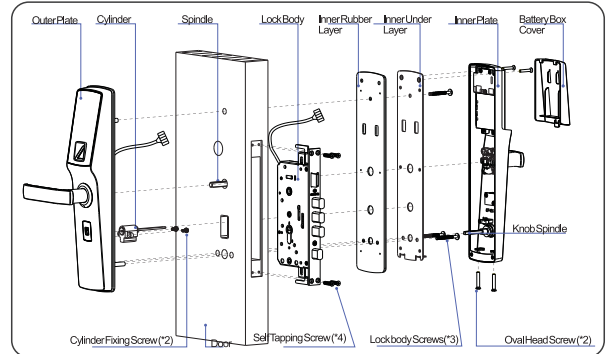**Setting Button**
The button to enter setting and main menu.

Inner Panel Parts

[1] Extension Module
[2] Setting
[3] Battery
[4] Inner Handle
[5] Lock Knob
[6] Battery Cover
348mm
75mm

Lock Body Part

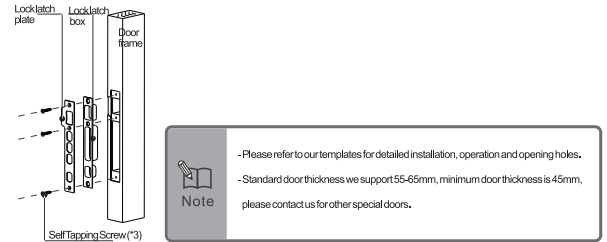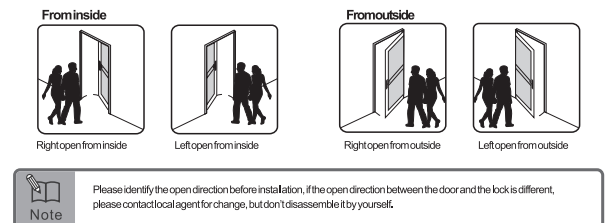Main latch, Safety latch, Latch bolt, Anti-tail, ST6860, Anti-tail

Door Lock Installation Parts

Installation Parts in Door Frame
Because of different installation environment, error will appear on product parts.
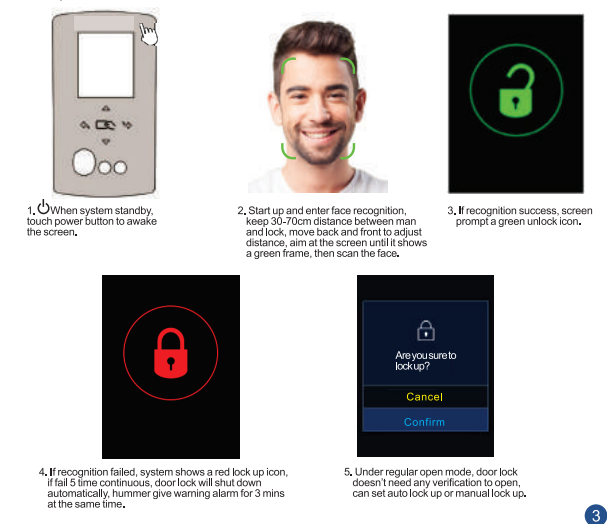

Outer Plate, Cylinder, Spindle, Lock Body, Inner Rubber Layer, Inner Under Layer, Inner Plate, Battery Box Cover
Cylinder Fixing Screw(*2), Door, Self Tapping Screw(*4), Lock body Screws(*3), Oval Head Screw(*2)

Lock latch plate, Lock latch box, Door frame
Self Tapping Screw(*3)

Note
- Please refer to our templates for detailed installation, operation and opening holes.
- Standard door thickness we support 55-65mm, minimum door thickness is 45mm, please contact us for other special doors.

Open Direction Identification

From inside — Right open from inside, Left open from inside
From outside — Right open from outside, Left open from outside

Note Please identify the open direction before installation, if the open direction between the door and the lock is different, please contact local agent for change, but don't disassemble it by yourself.

Open Lock Function
As the picture shown below

1, When system standby, touch power button to awake the screen.

2, Start up and enter face recognition, keep 30-70cm distance between man and lock, move back and front to adjust distance, aim at the screen until it shows a green frame, then scan the face.

3, If recognition success, screen prompt a green unlock icon.

4, If recognition failed, system shows a red lock up icon, if fail 5 time continuous, door lock will shut down automatically, hummer give warning alarm for 3 mins at the same time.

Are you sure to lock up? **Cancel** **Confirm**

5, Under regular open mode, door lock doesn't need any verification to open, can set auto lock up or manual lock up.

Smart Card Verification
Put the card on the card icon to scan and verify, after verifying success, will prompt verify success.
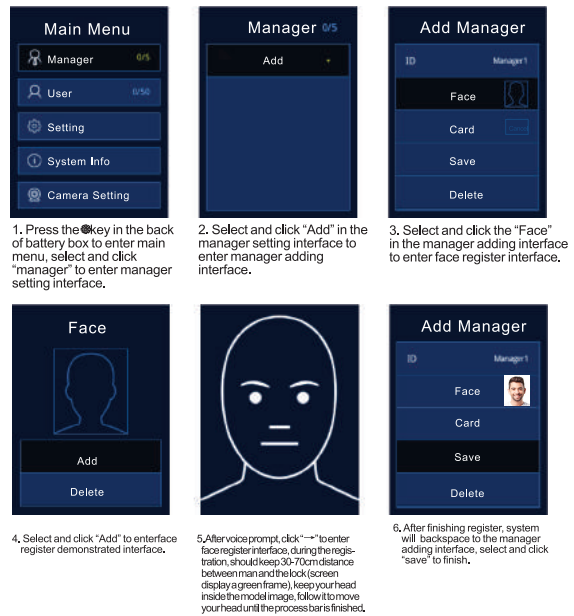
Mechanical Key
Press the edge of the cylinder cover to flip up the cover, insert the key to open the lock.

Emergency Power
Put the 9V battery against the bottom of outer plate battery port, then door lock awake, scan your face or card to open door lock.
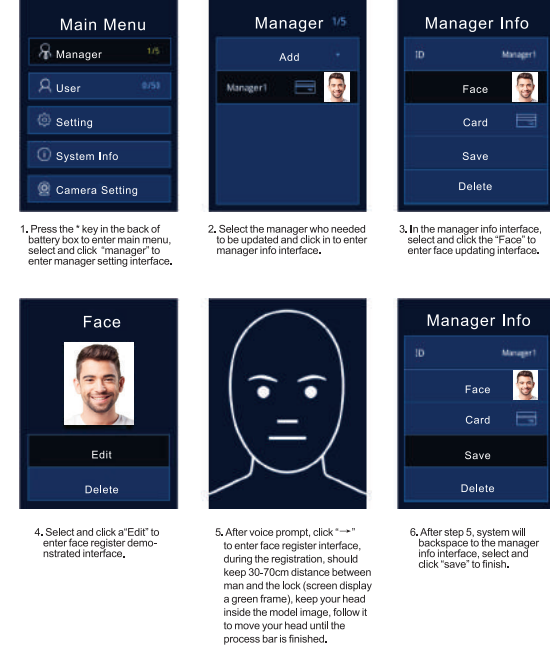
Card — No Card — Add — Delete

Please put the card in the middle of the keyboard

Add Manager — ID Manager1 — Face — Card — Save — Delete

4, In card register interface, select and click "Add" to enter card adding interface.

5, Put the card in the middle of the menu key, after a beep, system back to manager adding interface.

6, A card image shows in the card option, indicating the card have been registered, select and click "save" to finish.

Card — Edit — Delete

Please put the card in the middle of the keyboard

Manager Info — ID Manager1 — Face — Card — Save — Delete

4, Select and click "Edit" to enter card updating interface.

5, Put the card in the middle of the menu key, after a beep, system back to manager info interface.

6, A card image shows in the manager info interface, indicating the card have been registered, select and click "save" to finish.

Management Setup - Face Registration
Shown as below

Main Menu — Manager 0/5 — User 0/50 — Setting — System Info — Camera Setting

Manager 0/5 — Add

Add Manager — ID Manager1 — Face — Card — Save — Delete

1, Press the ● key in the back of battery box to enter main menu, select and click "manager" to enter manager setting interface.

2, Select and click "Add" in the manager setting interface to enter manager adding interface.

3, Select and click the "Face" in the manager adding interface to enter face register interface.

Face — Add — Delete

Add Manager — ID Manager1 — Face — Card — Save — Delete

4, Select and click "Add" to enter face register demonstrated interfaces.

5, After voice prompt, click "→" to enter face register interface, during the registration, should keep 30-70cm distance between man and the lock (screen display a green frame), keep your head inside the model image, follow it to move your head until the process bar is finished.

6, After finishing register, system will backspace to the manager adding interface, select and click "save" to finish.

Management Setup - Card Registration
Shown as below

Main Menu — Manager 0/1 — User 0/50 — Setting — System Info — Camera Setting

Manager 0/5 — Add

Add Manager — ID Manager1 — Face — Card — Save — Delete

1, Press the "@" key in the back of battery box to enter main menu, select and click "manager" to enter manager setting interface.

2, Select and click "Add" in the manager setting interface to enter manager adding interface.

3, Select and click the "Card" in the manager adding interface to enter card register interface.

Management Setup - Face Update
Shown as below

Main Menu — Manager 1/5 — User 0/50 — Setting — System Info — Camera Setting

Manager 1/5 — Add — Manager1

Manager Info — ID Manager1 — Face — Card — Save — Delete

1, Press the * key in the back of battery box to enter main menu, select and click "manager" to enter manager setting interface.

2, Select the manager who needed to be updated and click in to enter manager info interface.

3, In the manager info interface, select and click the "Face" to enter face updating interface.

Face — Edit — Delete

Manager Info — ID Manager1 — Face — Card — Save — Delete

4, Select and click a"Edit" to enter face register demonstrated interfaces.

5, After voice prompt, click "→" to enter face register interface, during the registration, should keep 30-70cm distance between man and the lock (screen display a green frame), keep your head inside the model image, follow it to move your head until the process bar is finished.

6, After step 5, system will backspace to the manager info interface, select and click "save" to finish.

Management Setup - Card Update
Shown as below

Main Menu — Manager 1/5 — User 0/50 — Setting — System Info — Camera Setting

Manager 1/5 — Add — Manager1

Add Manager — ID Manager1 — Face — Card — Save — Delete

1, Press the ● key in the back of battery box to enter main menu, select and click "manager" to enter manager setting interface.

2, Select the manager who needed to be updated and click in to enter manager info interface.

3, In the manager info interface, select and click the "Card" to enter card updating interface.

Management Setup - Face Delete
Shown as below

Main Menu — Manager 1/5 — User 0/50 — Setting — System Info — Camera Setting

Manager 1/5 — Add — Manager1

Manager Info — ID Manager1 — Face — Card — Save — Delete

1, Press the * key in the back of battery box to enter main menu, select and click "manager" to enter manager setting interface.

2, Select the manager who needed to be deleted and click in to enter manager info interface.

3, In the manager info interface, select and click the "Face" to enter face updating interface.

Face — Edit — Delete

Face — Are you sure to delete face — Cancel — Confirm — Delete

Manager Info — ID Manager1 — Face — Card — Save — Delete

4, Select and click a"Delete" to enter face register demonstrated interface.

5, Select "Confirm" in the popped out interface to delete the face.

6, After step 5, system will backspace to the manager info interface, select and click "save" to finish.

Management Setup - Card Delete
Shown as below

Main Menu — Manager 1/5 — User 0/50 — Setting — System Info — Camera Setting

Manager 1/5 — Add — Manager1

Manager Info — ID Manager1 — Face — Card — Save — Delete

1, Press the ● key in the back of battery box to enter main menu, select and click "manager" to enter manager setting interface.

2, Select the manager who needed to be deleted and click in to enter manager info interface.

3, In the manager info interface, select and click the "Card" to enter card updating interface.

Card / **Card** / **Manager Info**
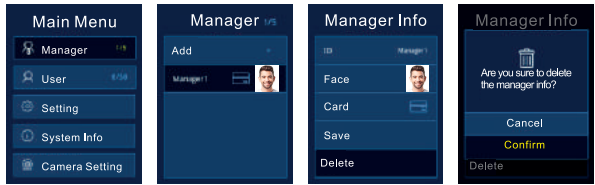
4. Select "Delete" in the card updating interface to enter deleting interface.
5. Select "Confirm" in the popped out interface to delete the card.
6. After deleting, system will backspace to manager info interface, select "save"to finish.
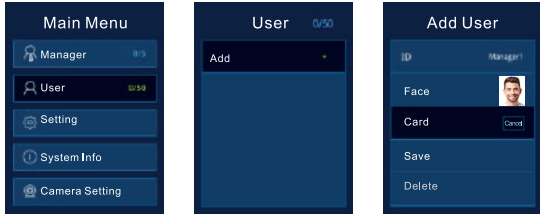
Management Setup - Delete Manager
Shown as below

Main Menu / **Manager** / **Manager Info** / **Manager Info**
- Are you sure to delete the manager info?
- Cancel
- Confirm

1. Press the ⊙ key in the back of battery box to enter main menu, select and click "manager" to enter manager setting interface.
2. Select the manager who needed to be deleted and click in to enter manager info interface.
3. In the manager info interface, select and click the "Delete" to delete the manager.
4. Select "Confirm" in the popped out interface to delete the manager.

User Setup - Face Register
Shown as below
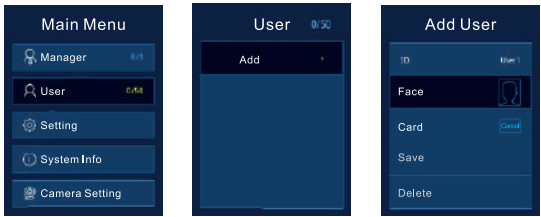
Main Menu / **User** / **Add User**

1. Press the ⊙ key in the back of battery box to enter main menu, select and click in the "User".
2. Select and click "Add" to enter user adding interface.
3. In the user adding interface, select and click the "Face" to enter face register interface.

Face / (face model) / **Add User**

4. Select and click "Add" to enterface register demonstrated interface.
5. After voice prompt, click "⊠" to enter face register interface, during the registration, should keep 30-70cm distance between man and the lock (screen display a green frame), keep your head inside the model image, follow it to move your head until the process bar is finished.
6. After finishing register, system will backspace to the user adding interface, select and click "save" to finish.

User Setup - Card Delete
Shown as below

Main Menu / **User** / **User Info**

1. Press the ⊙ key in the back of battery box to enter main menu, select and click in the "User".
2. Select the user who needed to be deleted, click in to enter user info interface.
3. In the user info interface, select and click the "Card" to enter card setting interface.

Card / **Card** / **User Info**
- Are you sure to delete the card?
- Cancel
- Confirm

4. Select and click "Delete" to enter card deleting interface.
5. Select "Confirm" in the card setting interface to delete the card.
6. After deleting the card, system will backspace to the user info interface, select and click "save"to finish.

Management Setup - Delete User
Shown as below

Main Menu / **User** / **User Info** / **User Info**
- Are you sure to delete the user info?
- Cancel
- Confirm

1. Press the ⊙ key in the back of battery box to enter main menu, select and click in the "User".
2. Select the user who needed to be deleted, click in to enter user info interface.
3. In the user info interface, select and click "Delete".
4. Select and click "Confirm" to deleting the user.

Setting
Shown as below

Main Menu / **Main Menu** / **Setting**
- Language
- Voice On
- Normal Mode On
- Reset to Factory Mode

1. Press the ⊙ key in the back of battery box to enter main menu.
2. Select and click in to the "Setting" interface, can choose Language, Volume, Normal Mode and Reset to Factory State.
3. Select "Language", can exchange in Chinese and English.

User Setup - Card Register
Shown as below

Main Menu / **User** / **Add User**

1. Press the ⊙ key in the back of battery box to enter main menu, select and click "User" to enter user management interface.
2. Select and click "add" to enter user adding interface.
3. In the user adding interface, select and click the "Card" to enter card register interface.

Card / Please put the card in the middle of the keyboard / **Add User**
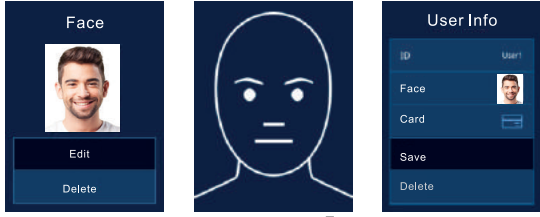- No Card
- Add
- Delete
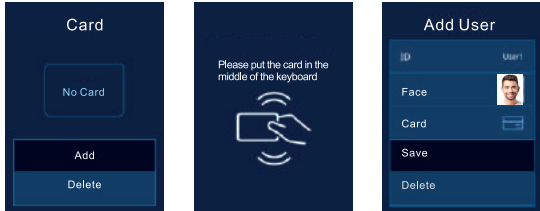
4. Select "Add" to enter card adding interface.
5. Put the card in the middle of the menu key, after a beep, system back to manager adding interface.
6. A card image shows in the ard option, indicating the card have been registered, select and click "save" to finish.

User Setup - Face Update
Shown as below

Main Menu / **User** / **User Info**
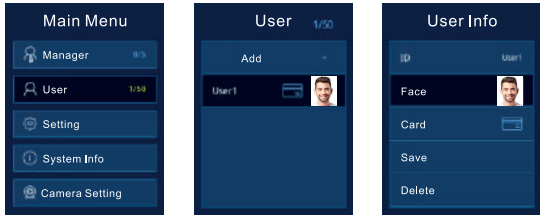
1. Press the ⊙ key in the back of battery box to enter main menu, select and click "User" to enter user management interface.
2. Select the user who needed to be updated, click in to enter user info interface.
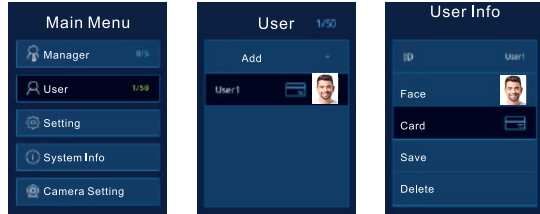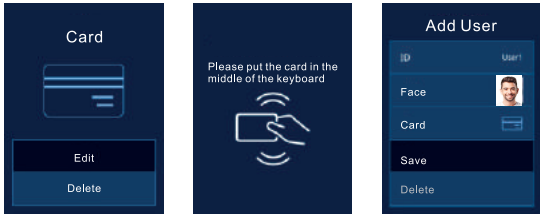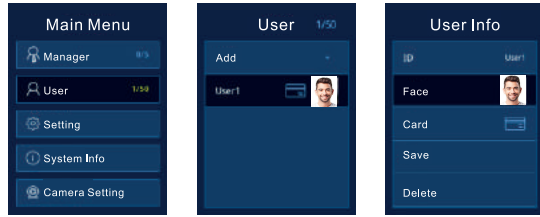3. In the user info interface, select and click the "Face" to enter face update interface.

Face / (face) / **User Info**

4. Select "Edit" to enter face register demonstrated interface.
5. After voice prompt, click "⊠" to enter face register interface, during the registration, should keep 30-70cm distance between man and the lock (screen display a green frame), keep your head inside the model image, follow it to move your head until the process bar is finished.
6. After finishing register, system will backspace to the user info interface, select and click "save" to finish.

Setting
Shown as below

Setting / **Setting** / **Setting**
- Language
- Voice On
- Normal Mode On
- Reset to Factory Mode

4. Select "Voice" can switch off and on the prompt voice.
5. Select "Normal Mode" to switch on and off of it(on normal mode, don't need any verification to open the lock), can set it to
6. Select and confirm "Reset to Factory Mode", system will reset to original state.(Please use with caution, this function will erase all setting and records)

Camera Setting
Shown as below

Main Menu / **Main Menu** / **Camera Setting**
- Night Vision Off
- Camera Testing

1. Press the ⊙ key in the back of battery box to enter main menu.
2. Select and click in to the "Camera Setting" interface, can choose"Night Vision" and "Camera Testing".
3. Select and click "Night Vision" to switch on and off of it.

Camera Setting / Camera Testing
- Night Vision Off
- Camera Testing

4. Select "Camera Testing" to enter testing interface.
5. In the testing, we can test the definition and color, after finishing the test, click "⊠" to quit the testing interface.

System Info
Shown as below

Main Menu / **Main Menu** / **System Info**
- Operation times
- Device Model
- S/N
- Firmware Version

1. Press the ⊙ key in the back of battery box to enter main menu.
2. Select and click into the "System Info" interface.
3. Can check: Operation times, Device Model, S/N Code(warranty proof) and Firmware Version.

User Setup - Card Update
Shown as below

Main Menu / **User** / **User Info**

1. Press the ⊙ key in the back of battery box to enter main menu, select and click "User" to enter user management interface.
2. Select and click "add" to enter user adding interface.
3. In the user info interface, select and click the "Card" to enter card update interface.

Card / Please put the card in the middle of the keyboard / **Add User**
- Edit
- Delete

4. Select "Edit" to enter card update interface.
5. Put the card in the middle of the menu key, after a beep system back to user adding interface.
6. A card image shows in the card option, indicating the card have been registered, select and click "save" to finish.

User Setup - Face Update
Shown as below

Main Menu / **User** / **User Info**

1. Press the ⊙ key in the back of battery box to enter main menu, select and click "User" to enter user management interface.
2. Select the manager who needed to be deleted, click in to enter user info interface.
3. In the user info interface, select and click the "Face" to enter face setting interface.

Face / **Face** / **User Info**
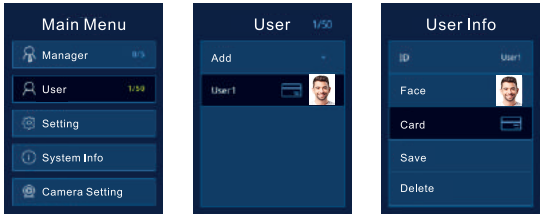- Are you sure to delete the face?
- Cancel
- Confirm
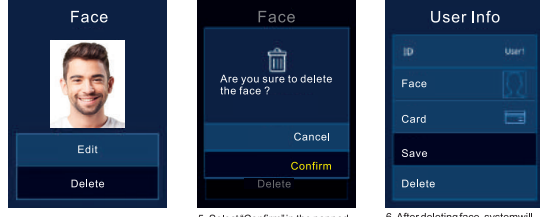
4. Select "Delete" to enter face deleting interface.
5. Select "Confirm" in the popped out interface to delete the face.
6. After deleting face, system will backspace to the user info interface, select and click "save" to finish.
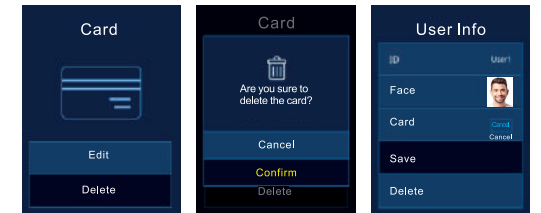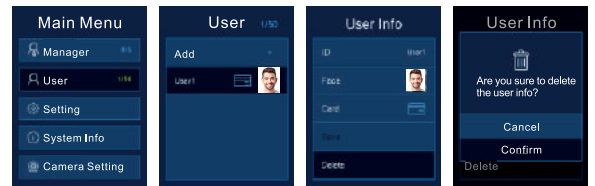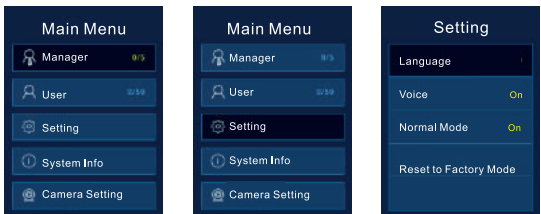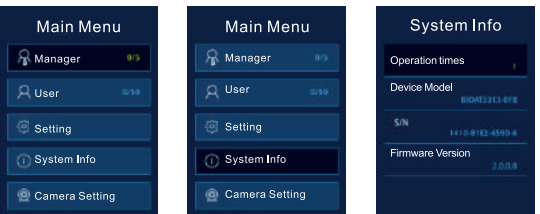
Back Lock Knob
Can lock out in the indoor side.

Notes of the battery usage:
1. Please use correct battery (recommend the regular factory production, alkaline high energy battery)
2. In order to avoid short out, when installing, please mind the positive and negative electrode.
3. When changing batteries, do not mix the old batteries with the new ones.
4. If stop using for long time, please take the batteries out.
5. Please comply with the standard of local environmental protection law to dispose the batteries.
6. Please keep the batteries in the place where children and pets can not reach.
7. Please clean it with water if the liquid stick to your clothes, if the liquid touch you eye, use water to wash it immediately and see a doctor in time.

Technical Parameters

Open Way	Face, Card , Mechanical Key, Phone APP (optional)
Camera	Black and White + Color Camera Lens
Screen	2.4 inch IPS Screen
Face Capacity	50 pcs (Extendable)
Boot Time	<1S
Recognition Mode	<1:N
False Accept Rate	<0.00001%
False Reject Rate	<0.01%
Recognition Speed	0.5S (50 pcs), 1S (1000 pcs)
Alarm Voltage	<4.7%
Power Supply Voltage	<DC6V
Battery Life	≈4000 times
Dynamic Current	<300mA,
Static Current	<30μA
Working Temperature	20-50 ℃
Relative Humidity	20%~90%
Recognition Alarm	Alarm after 6 times of failure
Operative Norm	GA 701-2007 GA 21556-2008

★ Any inquiry on the above operations, please contact the local distributor for help.

7   8   9   10   11   12