Wulian®

洞庭湖系列
网络锁
Bern Serial IoT Doorlock

(图片仅供参考，请以实物为准)

(Picture for Reference Only)

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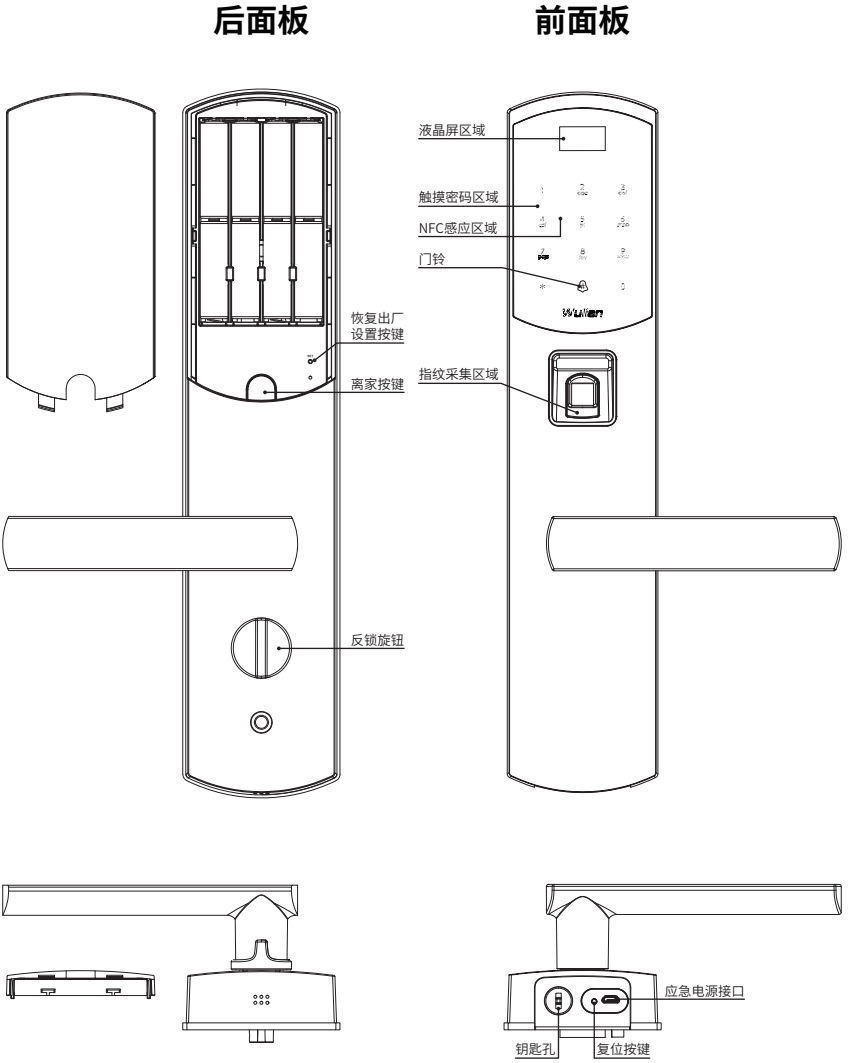
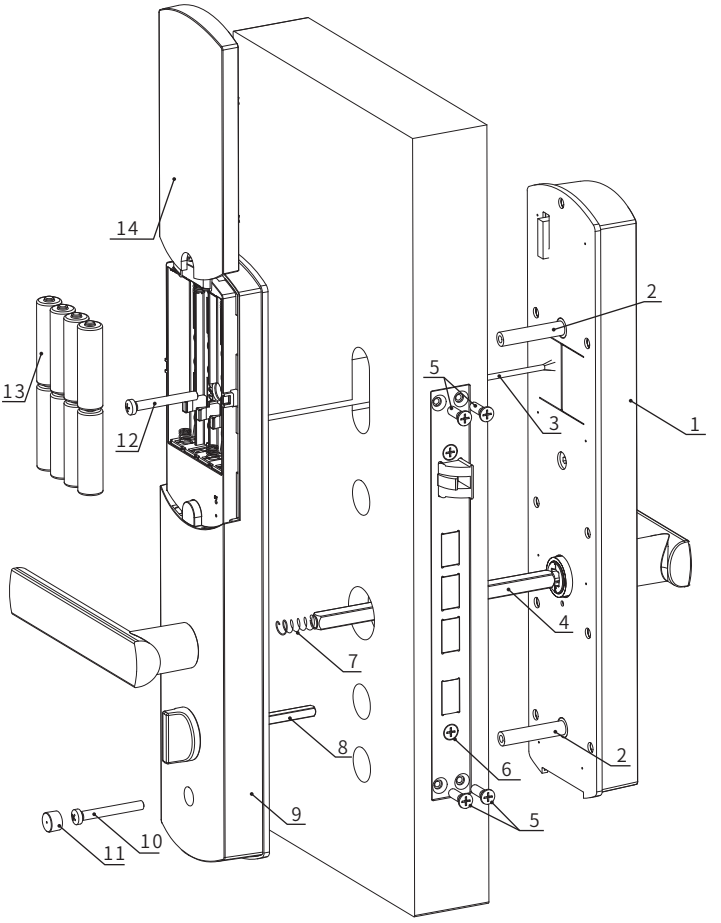
1 产品图解


后面板
前面板
液晶屏区域
触摸密码区域
NFC感应区域
门铃
恢复出厂
设置按键
离家按键
指纹采集区域
反锁旋钮
应急电源接口
钥匙孔
复位按键



1.外面板（1把）
2.ϕ8连接柱（2根）
3.前后面板连接线（1根）
4.大方轴（1根）
5.锁体安装螺丝（4个）
6.锁体（1个）
7.大方轴弹簧（1根）
8.5×5方轴（1根）
9.内面板（1把）
10.底部固定螺丝（1个）
11.螺丝盖（1个）
12.上部固定螺丝（1个）
13.碱性电池（4个）
14.电池盖（1个）

2 配置清单

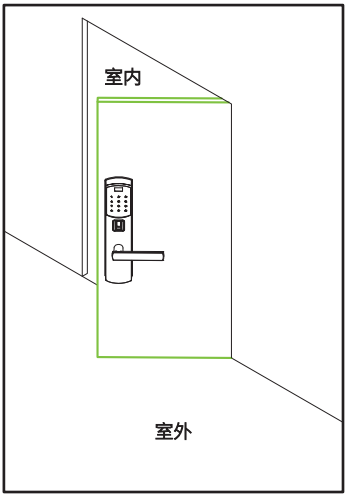
请在拆开包装箱后按清单仔细核对，如发现有缺漏，请及时向我们或代理商索取。

序号	名称	每套数量
1	外面板	1
2	内面板	1
3	锁体	1
4	安装配件包	1
5	产品使用说明书	1
6	开孔图	1
7	开孔画笔	1
8	保修卡	1
9	机械钥匙	3
10	磁卡（低配版无磁卡）	3
11	5号电池	4
12	门框盒	1
13	门扣板	1

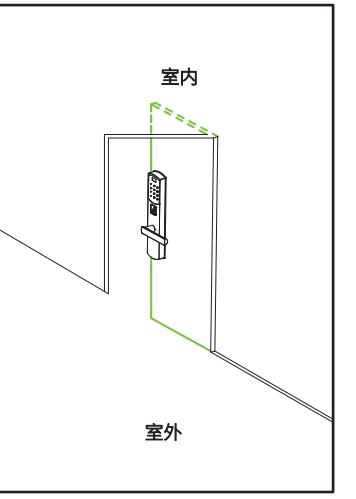
3 安装前的准备

3.1 门开向判断

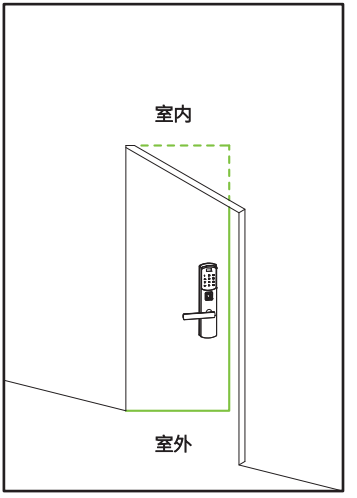
根据下列图示判断你的开门方向。



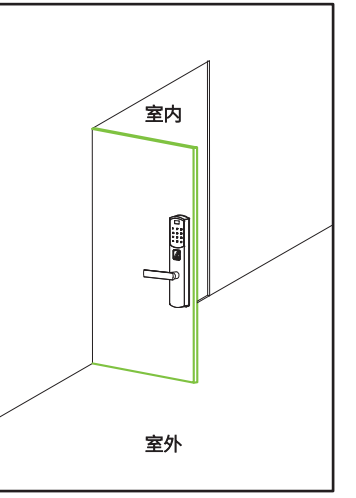
右外开门



右内开门



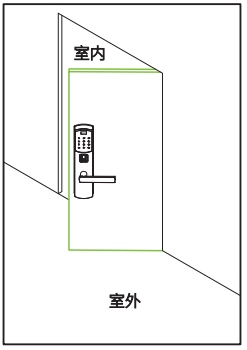
左内开门



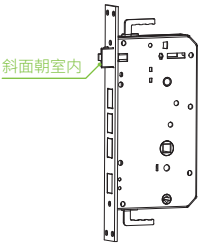
左外开门

3.2 门锁开向的适配

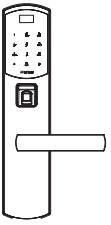
本产品拥有四向合一功能，经调整可以适用于右外开、右内开、左内开、左外开，四种开向的门。



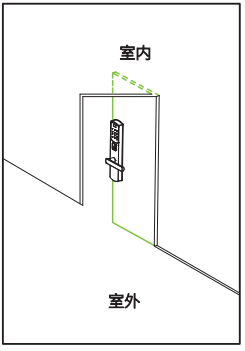
右外开门



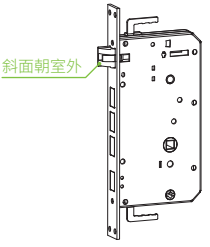
选择右外开锁体



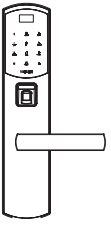
选择右向执手的面板



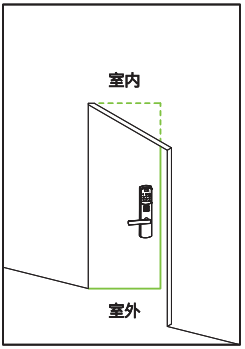
右内开门



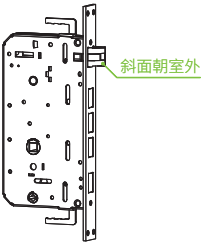
选择右内开锁体



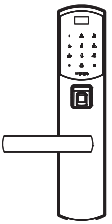
选择右向执手的面板



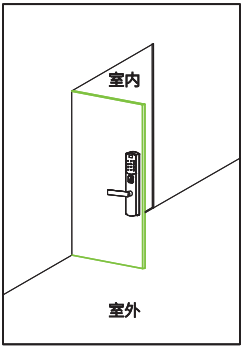
左内开门



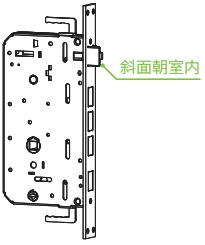
选择左内开锁体



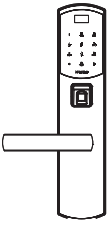
选择左向执手的面板



左外开门



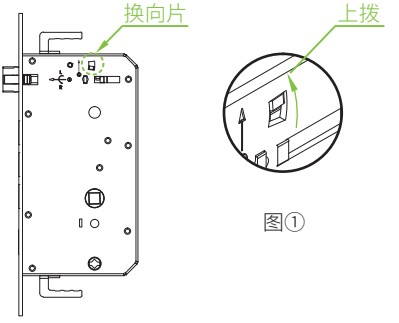
选择左外开锁体



选择左向执手的面板

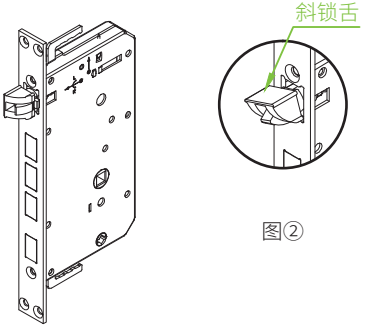
3.3 门锁开向的调整

3.3.1 锁体内外换向调整：斜舌调整



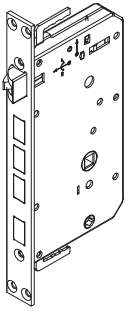
图①

1) 将限位片向上拨，见图①；



图②

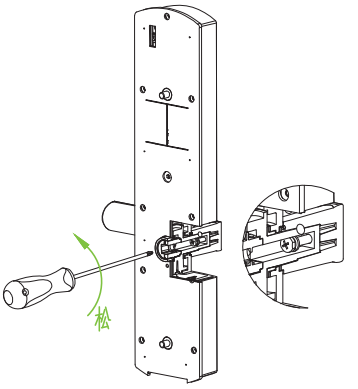
2) 斜锁舌弹出并旋转180°，见图②；



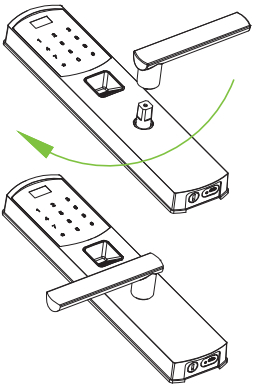
图③

3) 将斜锁舌对准方孔并向内推，随后松开，见图③。

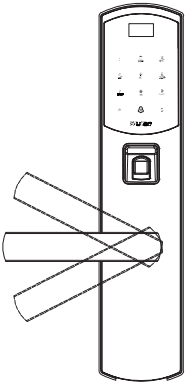
3.3.2 执手换向调整：离合器调整



图①



图②



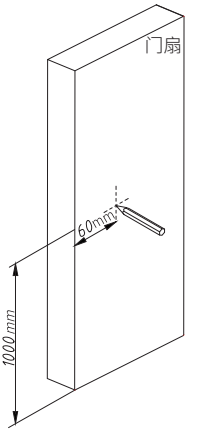
图③

1) 用十字螺丝刀拧松执手换向螺丝，见图①；
2) 执手顺时针旋转180°，并扭紧螺丝，见图②；
3) 转动执手，检查执手复位是否正常，见图③。

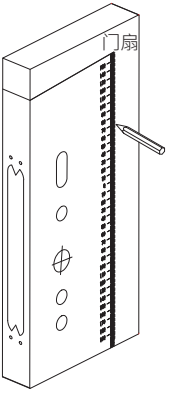
4 门锁的安装

4.1开门孔

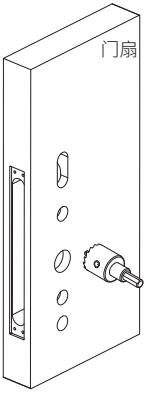
1) 定高度
先用卷尺在门高度100cm-120cm
宽度6cm位置，划线，定高度。



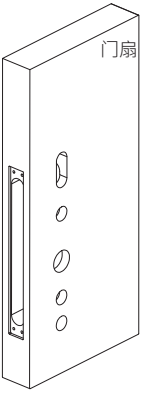
2) 划线
把开孔模块贴在门扇上，划线。



3) 开孔

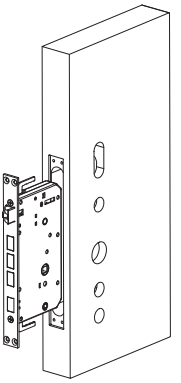


4) 检查开孔

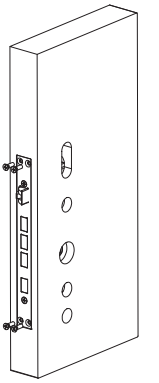


4.2安装锁体

1) 安装锁体

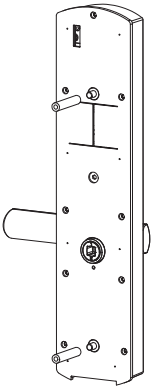


2) 固定锁体

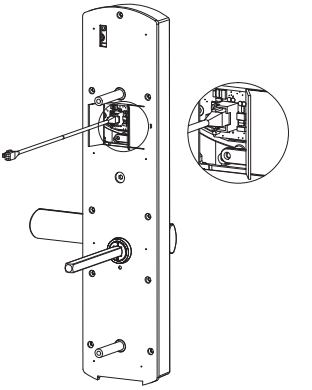


4.3安装外面板

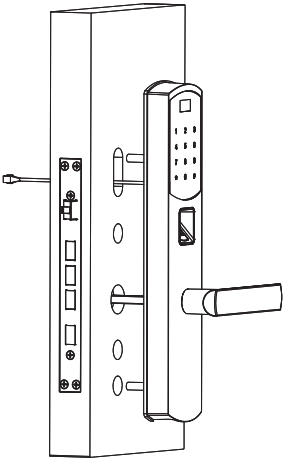
1) 安装连接柱



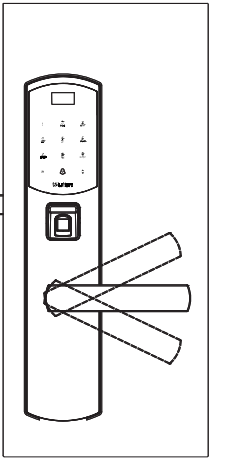
2) 对接好连接线及方轴



3) 对位

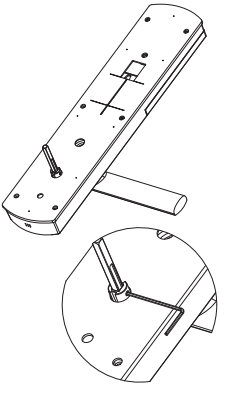


4) 外面板调试
上下扳动把手，测试锁舌是否顺畅。



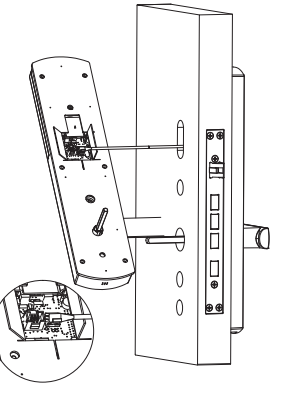
4.4安装内面板

1) 装5x5方轴

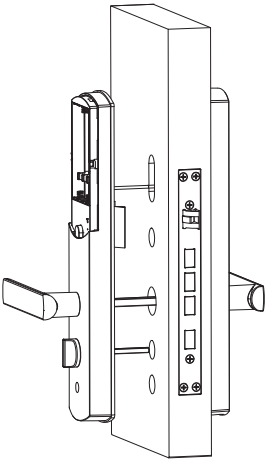


方轴深入锁体1~2cm为宜

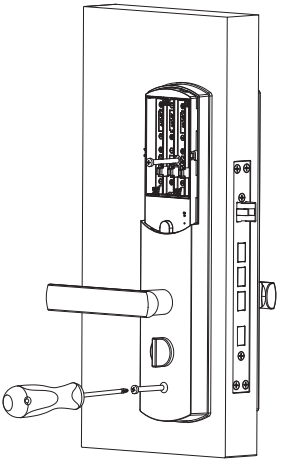
2) 对接线



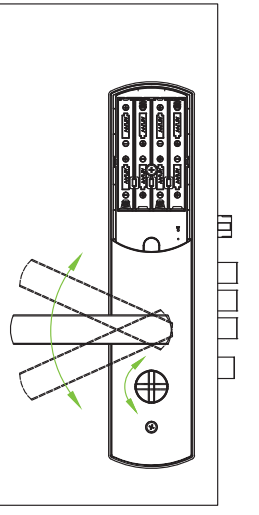
3) 对位及收线



4) 预固定内面板



5) 调试内面板顺畅后，再完全锁紧螺丝
①上下扳动把手，测试锁舌是否顺畅。
②旋转反锁旋钮，测试锁舌是否顺畅。



5 门锁的使用

5.1开锁方式

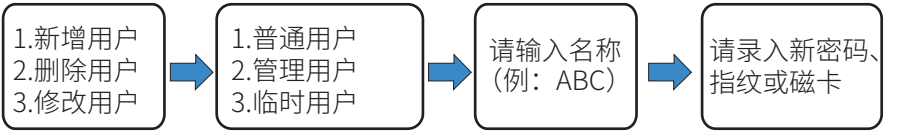
●密码开锁：触摸唤醒门锁，输入密码，按“#”确认，即可解锁。
●指纹开锁：按下指纹，验证成功，即可解锁。
●NFC开锁：将磁卡或带NFC功能的Android手机靠近感应区，验证成功，即可解锁。（低配版本无此功能）
●手机开锁：在智能家居手机软件中输入正确密码，即可解锁。
备注：产品恢复出厂设置后，进入管理员模式时会强制要求输入一个管理员账户。

5.2设置菜单

进入管理员设置界面：触摸唤醒门锁，双击“*”，提示输入管理员指纹或密码，输入密码按“#”确认，或按下管理员指纹进入菜单。

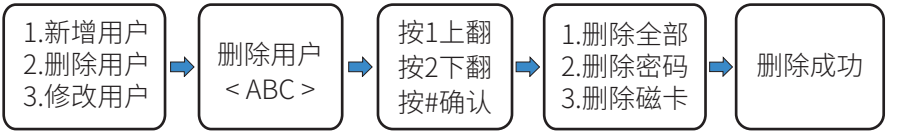
5.3用户设置

●新增用户



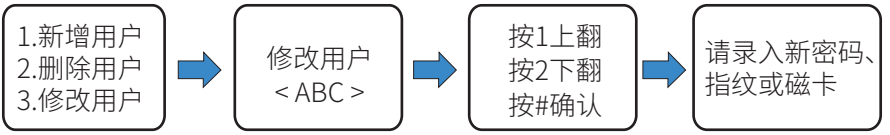
备注：
1.新增普通用户与新增管理员用户操作相同。
2.密码长度为6个数字。
3.用户名不超过5个字母。
4.临时用户设置：可查看临时用户列表。
5.低配版本无磁卡。

●删除用户



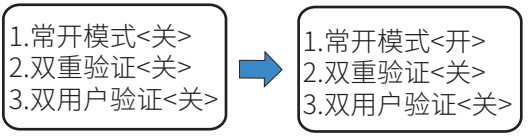
备注：删除全部即为删除该用户，包括名下的密码，指纹，磁卡。

●修改用户



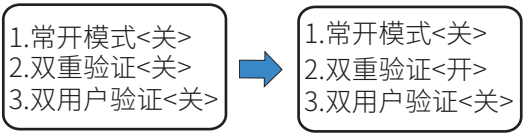
5.4安全设置

●常开模式



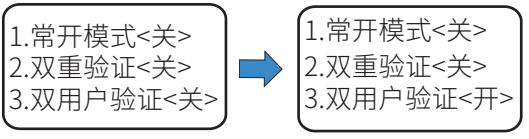
备注:在常开模式下,无需经过任何验证,直接在室外下压把手即可开锁,验证一次密码、指纹或卡,即可解除常开模式。

●双重验证



备注： 开启双重验证功能，需使用同一个账户下的任意两个验证方式（如指纹+指纹，指纹+密码，指纹+卡，卡+密码）进行开门。

●双用户验证



备注： 开启双用户验证功能，需两个用户先后进行验证方可开门（第一个用户验证成功后，需要第二个用户10s内开始验证）。

5.5系统设置

●时间校准

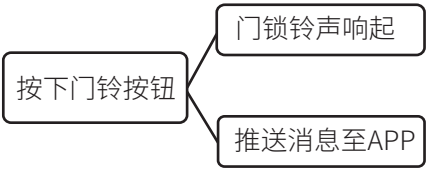
备注：当门锁和网关后，网关会自动与门锁校准时间。

●智能家居

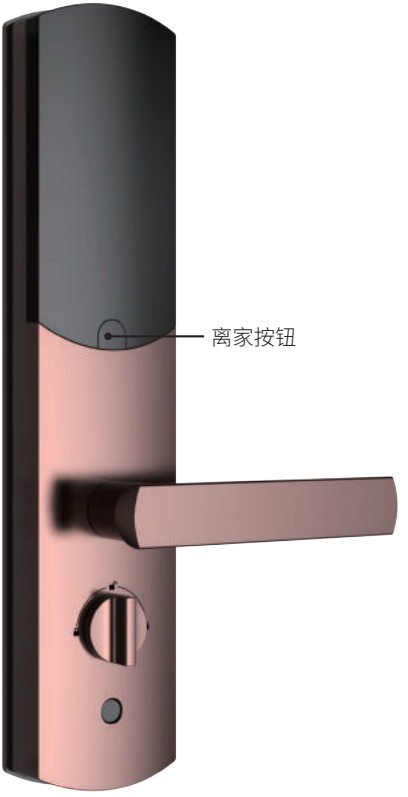
备注：加入物联网后即可实现APP控制、联动智能家居系统。加入物联网前需确定网关处于加网状态；如加入不成功可尝试先退出后再加入。
门铃绑定方法：进入智能家居页面后按3，等待门锁提示“门铃绑定中”，20s内连按Wulian门铃的SET键3下，等待门锁提示“门铃绑定成功”即可。

●语言设置

5.6门铃功能



5.7离家按钮



按下离家按钮，离家场景随即执行(此功能需先在app绑定)。

5.8APP下载

初次使用时，请先安装APP客户端，并仔细阅读产品说明书，并时常关注我司资讯，以便及时更新。

智能家居V6

物联卫家

6 高级功能与应急应用

6.1系统恢复

●恢复出厂设置

如不慎遗忘管理密码或因其他原因无法进入管理模式，可恢复出厂设置。具体步骤如下：

在通电的情况下，用顶针长按电池槽下方“恢复出厂设置按键”保持10s，等待语音提示“恢复出厂设置成功”即表示本锁已初始化成功。

注意事项：

恢复出厂设置以后，初始开门密码恢复为“123456”，所有已添加的密码、指纹或卡片都会被清除，需要重新添加。

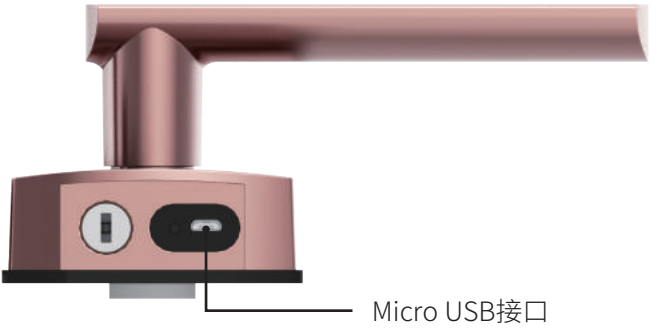
●复位按键

如果在开门时遇到系统无反应、死机等异常，可按下复位按键重启。

6.2应急电源

当系统提示”电量低，请更换电池”，此时应及时更换新电池（请勿将不同型号、新旧电池混合使用）。

当电池电量耗尽，无法启动系统时，使用移动电源，通过Micro USB 接口（应急电源接口)供电，即可启动系统开门。



6.3应急机械钥匙开启

在底部插入机械钥匙，旋转90°下压把手即可开门。

7 技术参数

产品名称	Wulian洞庭湖系列网络锁
颜色	流光银/玫瑰金/香槟金/亮红古铜/ 亚红古铜/青古铜/天穹黑
开启方式	指纹/密码/磁卡/APP/钥匙
指纹识别方式	半导体电容扫描方式
指纹拒真率	< 0.1%
指纹认假率	< 0.001%
用户容量	60位
每位用户可录入（除临时用户）	6枚指纹、1个密码、1张NFC
电池寿命	12个月（平均10次/天）
外部供电	Micro USB
待机功耗	< 40μA
工作电流	< 400mA
工作温度	-20°C~50°C
环境湿度	15~90%RH
面板材质	锌合金
面板工艺	电镀/烤漆
锁体材质	304不锈钢等
锁体工艺	压铸、电镀

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Packing List

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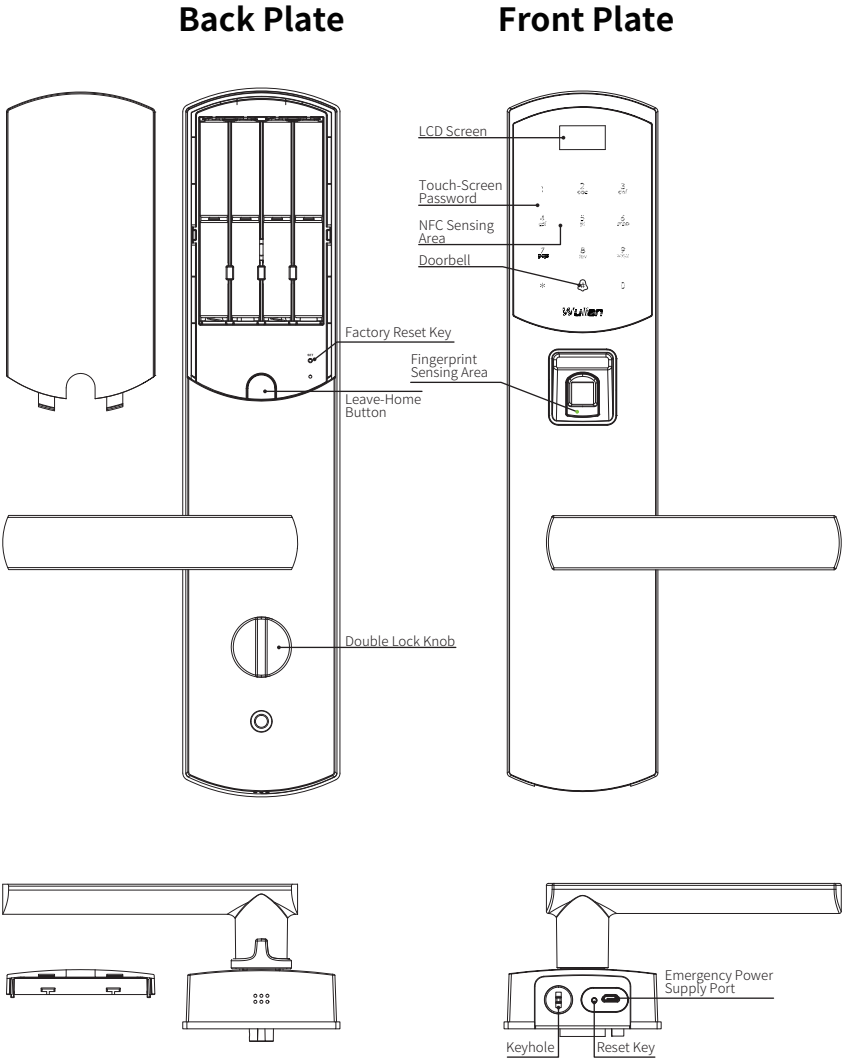
How to Install Bern Serial IoT Doorlock

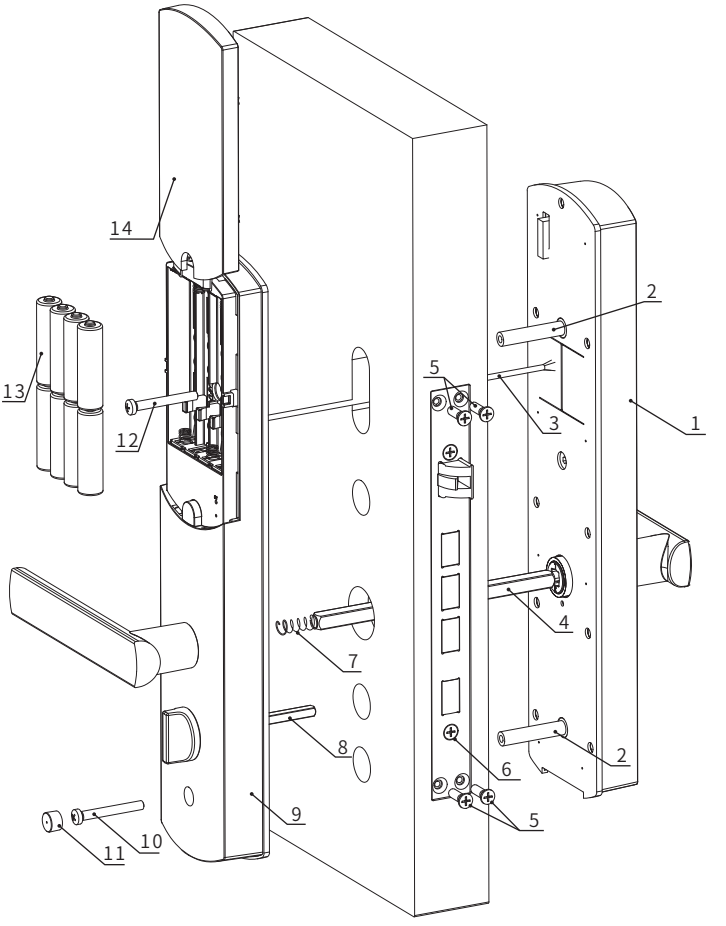
How to Use Bern Serial IoT Doorlock

Advanced Features and Emergency Application

Product Specifications

1 Product Diagram





1.Front plate（1pc）
2.ϕ8 Connecting bolt（2pcs）
3.Connecting cable of front and back plate （1pc）
4.Big square shaft(1pc）
5.Lock body screw（4pcs）
6.Lock body（1pc）
7.Big square shaft spring（1pc）
8.5x5 Square shaft（1pc）
9.Back plate（1pc）
10.Bottom fixing screw（1pc）
11.Screw cover（1pc）
12.Top fixing screw（1pc）
13.AA battery（4pcs）
14.Battery cover（1pc）

2 Packing List

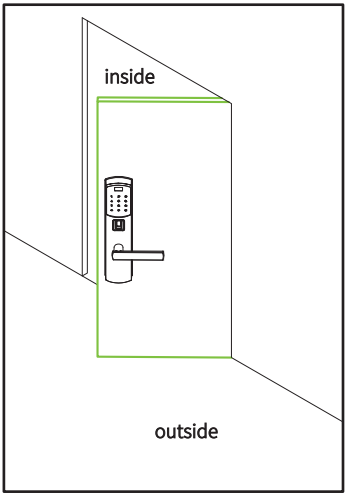
Please check the list carefully after opening the package. If there is something missing, please contact us or our dealer to request.

NO.	Name	Quantity
1	Front Plate	1
2	Back Plate	1
3	Lock Body	1
4	Accessories Package	1
5	User Manual	1
6	Hole Drilling Drawing	1
7	Pencil	1
8	Warranty Card	1
9	Key	3
10	Magnetic Card (not included in low version)	3
11	AA Battery	4
12	Door Frame Box	1
13	Strike Plate	1

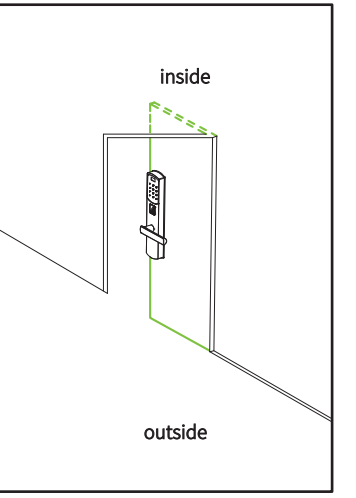
3 Preparation before Installation

3.1 Confirm Door Open Direction

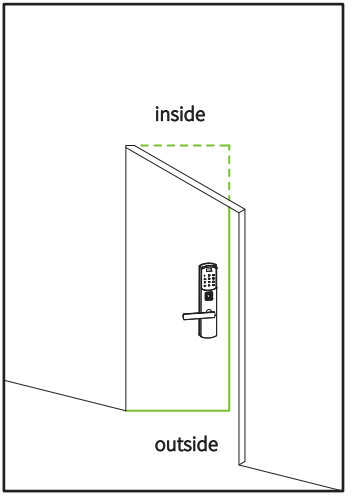
Determine your door open direction according to the diagrams shown below.



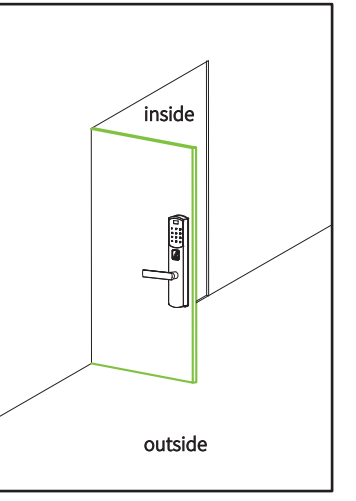
Right outward



Right inward



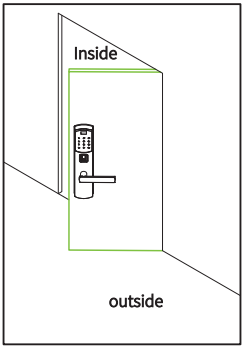
Left inward



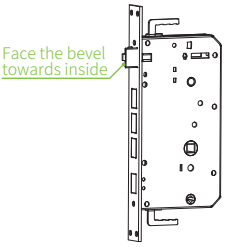
Left outward

3.2 Match with different open direction

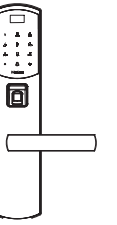
The lock can be adjusted to match with right outward/inward or left outward/inward door.



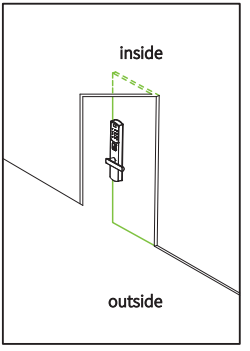
Right outward



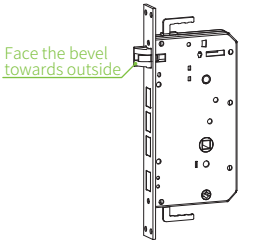
Choose right outward lock body



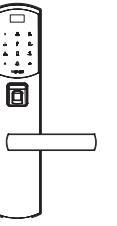
Choose right handed plate



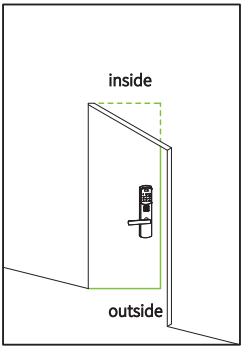
Right inward



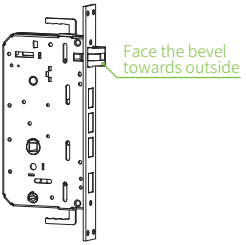
Choose right inward lock body



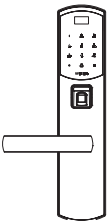
Choose right handed plate



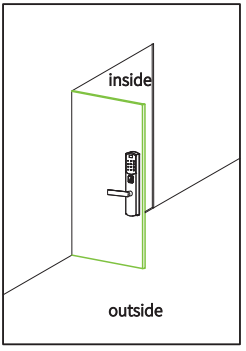
Left inward



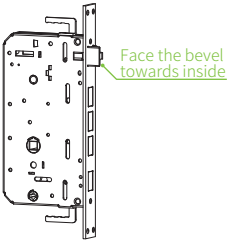
Choose left inward
lock body



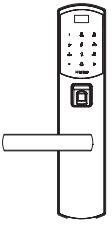
Choose left
handed plate



Left outward



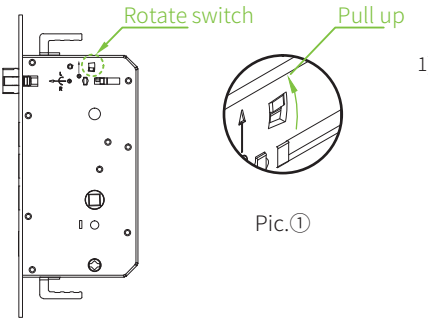
Choose left outward
lock body



Choose left
handed plate

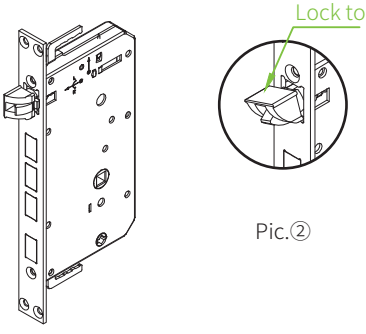
3.3 Doorlock Adjustment

3.3.1 Switch the Direction of Lock Body (inward/outward): lock-tongue adjustment.



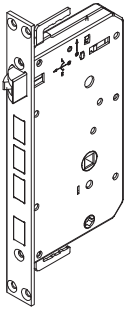
Pic.①

1) Pull up the rotate switch (Pic.①);



Pic.②

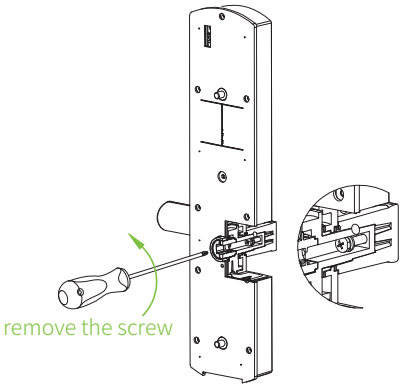
2) Rotate the lock tongue 180 degrees as in Pic.②;



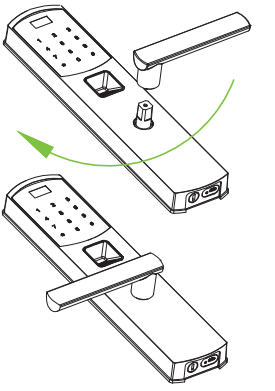
Pic.③

3) Puch the lock tongue inward then loose it, see Pic.③.

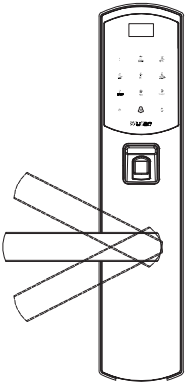
3.3.2 Switch the Direction of Handle (Left & Right): Clutch Adjustment.



Pic.①



Pic.②



Pic.③

1) Remove the screw to switch handle direction with a Philips screwdriver(Pic.①);

2) Rotate the handle 180 degrees clockwise and tighten the screw(Pic.②);

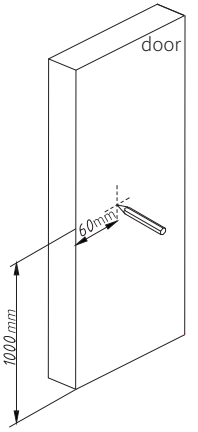
3) Rotate the handle to check whether it works normally(Pic.③).

4. How to install Bern Serial IoT Doorlock

4.1 Drill a Hole

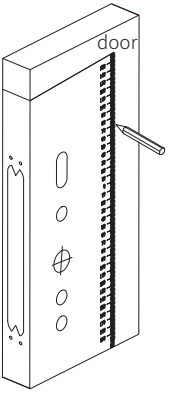
1.Confirm the Doorlock Installation Position

Use measuring tape to decide installation position of 100cm-120cm height and 6cm width, mark the position.

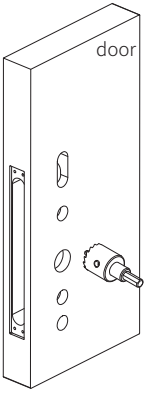


2.Mark

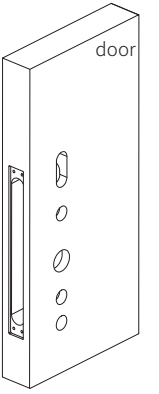
Press the hole drilling drawing against the door and mark all holes with a pencil.



3.Drill holes

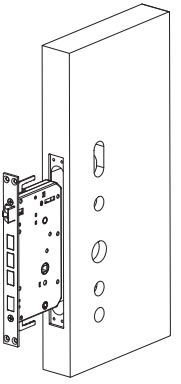


4.Check holes

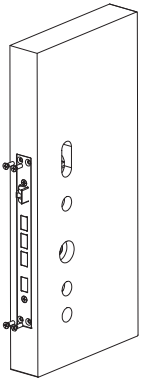


4.2 Lock Body Installation

1. Install Lock Body

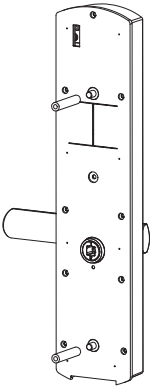


2. Fix Lock Body

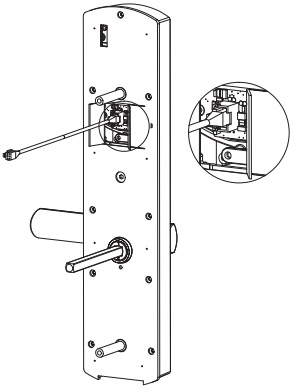


4.3 Front Plate Installation

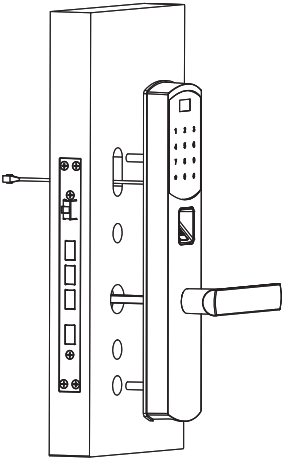
1. Install Connecting Bolt



2. Connect Cables and Square Shaft

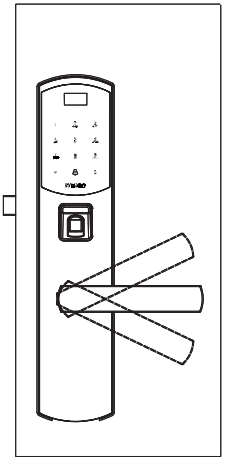


3. Fix Front Plate



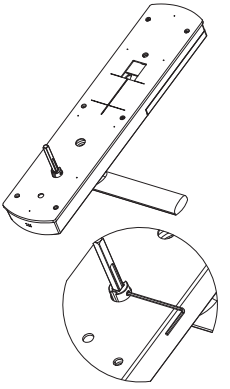
4. Adjust Front Plate

Turn the handle up and down for several times to make sure lock tongue works smoothly.



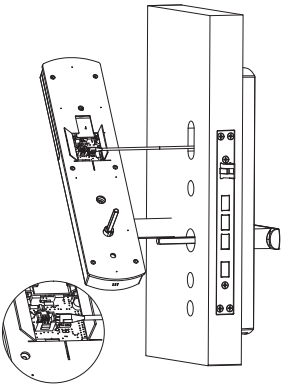
4.4 Back Plate Installation

1. Install 5x5 Square Shaft

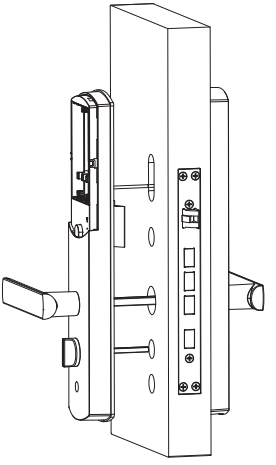


The square shaft is recommended to be put inside the lock body about 1-2cm.

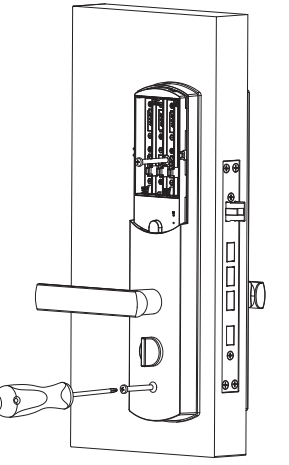
2. Connect Cables



3. Insert

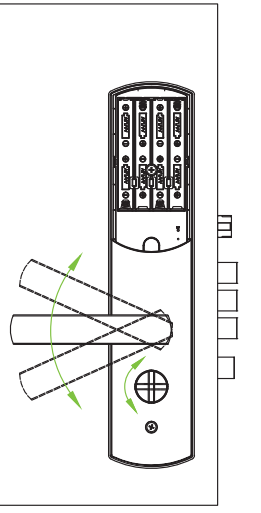


4. Fix Back Plate



5.Adjust the Back Plate

1. Turn the handle up and down for several times to check whether the lock tongue works smoothly.
2. Rotate double lock knob to check whether the lock tongue works smoothly.



5. How to Use Bern Serial IoT Doorlock

5.1 Unlocking Methods

●Password Unlocking: Touch the lock to wake it up; input your password and press “#” to confirm unlocking.

●Fingerprint Unlocking: Press your fingerprint and unlock the door after successful authentication.

●NFC Unlocking: Keep your magnetic card or the phone with NFC function close to the sensing area; and unlock the door after successful authentication.(Low version has no such function)

●Mobile Phone Unlocking: Input your password in Smart Home App to unlock the door.

Note:

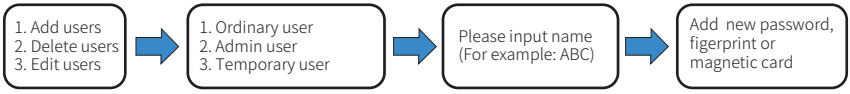
After restored to factory setting, the lock will require user to input an admin account when entering admin mode.

5.2 Menu Settings

Enter “Admin Setting” interface: touch the lock to wake it up; press “*” twice quickly, input admin fingerprint or password to enter “Menu” (press “#” to confirm after inputting password)

5.3 User Settings

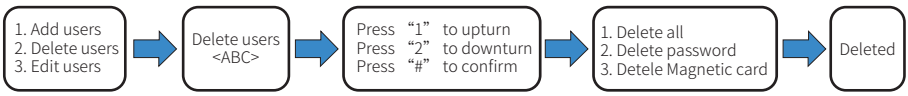
●Add Users



Notes:

1. The method of adding an ordinary user is same as that of adding an admin user.
2. Password should be 6 digits.
3. User name should be no more than 5 letters.
4. Temporary User Settings:check temporary user setting list.
5. Low version has no Magnetic card.

●Delete Users



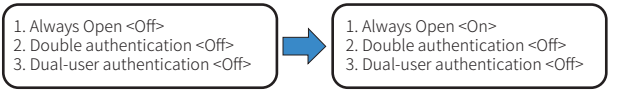
Note:

“Delete all” means delete the user account, including its password, fingerprint and magnetic card.

●Edit Users

5.4 Security Settings

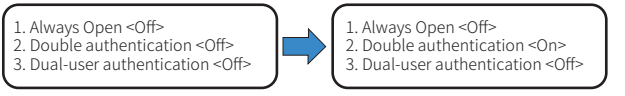
●Always-open Mode



Note:

In always-open mode, user can unlock from outside just by pressing the handle down, no need of any authentication. User can invalidate always-on mode just by authenticating password, fingerprint or magnetic card once.

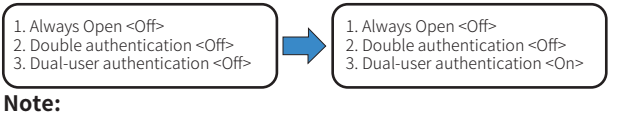
●Doubel Authentication



Note:

After double authentication is on, user need to choose any two authentication methods under one same account (such as fingerprint+password, fingerprint+card, card+password) to open the door.

●Dual-user Authentication

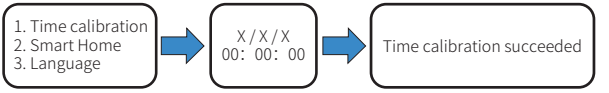


Note:

After dual-user authentication is on, two users need to be authenticated one by one to unlock the door (after the first user is authenticated successfully, the second one needs to be authenticated within 10s).

5.5 System Settings

●Time Calibration



Note:

When the Doorlock is connected to a gateway, its time will be synchronized with gateway time automatically.

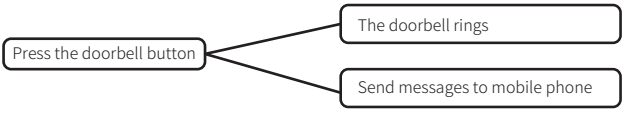
●Smart Home

Note:

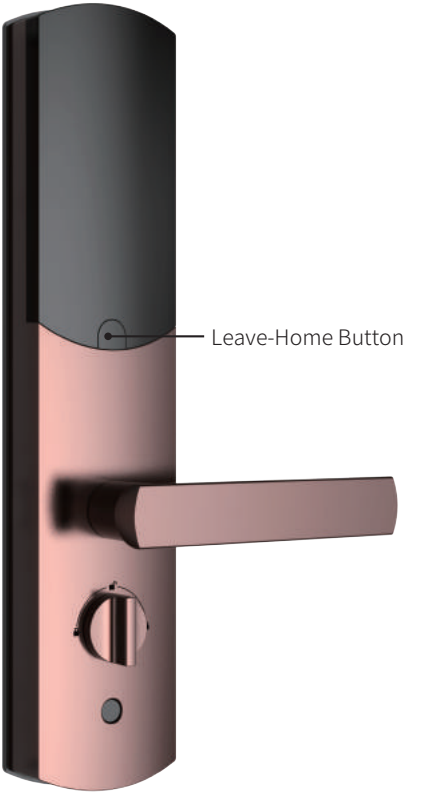
The Doorlock can link with the whole Wulian Smart Home system and be controlled via App after joining a ZigBee network. Please make sure the gateway can be joined before you connect the device to ZigBee network. If the connection fails, please exit and try again. Doorbell binding method: enter the Smart Home page, and press” 3” , doorlock will say "bell is in binding", then press [SET key] on Wulian bell 3 times within 20 seconds, and doorlock will say "binding succeeds".

●Language

5.6. Doorbell



5.7. Leave-Home Button



Press the Leave-Home Button to trigger Leave-Home Scene.(This function requires binding the scene with the button in App first.)

5.8 APP Download

For the first time use, please download SmartHome or Door Guard, also read user nanual carefully, pay attention to Wulian news and update APP timely.

Smart Home V6

Door Guard

6 Advanced Features and Emergency Application

6.1 Factory Reset

●Restore to Default Setting

If you are unable to enter administrator mode due to forgotten password or other causes, you can initialize the Doorlock (restore it to factory default settings).

Take the following steps:

Press and hold the “Factory Reset Key” under the battery compartment for 10s with a needle when the Doorlock is powered on; When you hear “Restored to factory settings”, the Doorlock is initialized successfully.

Note:

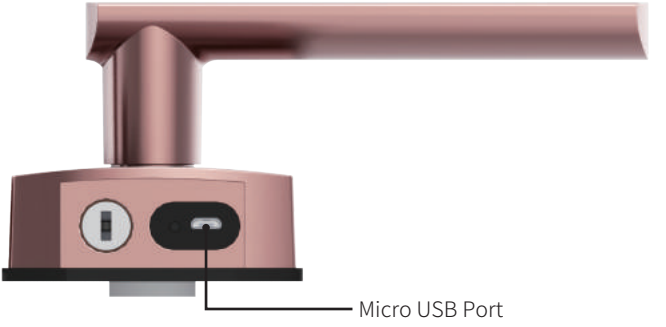
After the device is restored to factory default settings, administrator password is reset to “123456”; all fingerprints or cards need to be added again.

●Reset Key

If system has no response or crashes, you can press the “Reset Key” to restart.

6.2 Emergency Power Supply

When the battery voltage is lower than 4.8V, system will notice you: “Low battery,replace battery” at every time when the Doorlock is waked up. Then you have to replace them with new batteries (do not mix old and new batteries, or mix batteries of different models). When the Battery runs out completely, you can use portable power to supply power through Micro USB Port(Emergency Power Supply Port) to open the door.



6.3 Emergency Key Unlocking

Insert your key into the keyhole at the bottom of the Doorlock, and rotate the key 90 degrees to open the door.

7 Product Specifications

Product Name	Wulian Bern Serial IoT Doorlock
Color	Silver/Rose Gold/Champagne Gold/Bright Red Copper /Matt Red Copper/Bronze/Gun Metal
Unlock Ways	Finger Print/Password/ Magnetic card/ APP/ Key
Fingerprint Identification	Semiconductor capacitor scanning
False Rejection Rate	< 0.1%
False Acceptance Rate	< 0.001%
User Capacity	60
Every User Capacity	6 fingerprints, 1password, 1NFC
Battery	12 months (10 times/day 8 AA)
Emergency Power	Micro USB
Standby Current	< 40 μA
Working Current	< 400 mA
Operating Temperature	-20°C~50°C
Operating Humidity	15~90%RH
Plate Material	Zinc Alloy
Plate Craft	Electric plating/ Baking varnish
Body Material	304 Stainless steel
Body Craft	Die-casting/ Electric plating

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