指纹挂锁（TSA）

指纹识别　　超长待机时间　　USB充电　　TSA海关锁
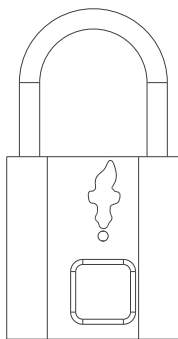
一、USB接口：

设备通过数据线连接USB进行充电。
（首次使用请先给设备充满电。）

4
3
5
2
1

部件识别：

1.USB接口　　2.指纹采集器　　5.TSA锁孔
3.LED指示灯　4.锁梁

二、指示灯

采用3色指示灯，指示灯不同颜色，不同状态代表设备不同状态。详情见下表：

LED	指示灯状态	设备状态
🔴	红灯闪烁	指纹采集失败
🟢	绿灯闪烁	指纹采集模式/解锁成功
🟢	绿灯长亮	指纹采集成功
🔵	蓝灯长亮	管理员指纹授权
🔵	蓝灯闪烁	出厂模式
🔴	红灯长亮	清除所有指纹模式

注意：

1. 设备未录入指纹时，解锁成功时绿灯亮。

2. 当设备电量不足时，红灯闪烁，请及时充电；充电中的指示灯为红灯，充满后灯灭。

三、首次（管理员）指纹录入说明

1. 长按指纹识别器。

2. 蓝灯亮，松开手指。

3. 开始采集指纹，同一手指采集5次，不同角度，不同方向采集。

5. 红灯亮，采集失败。

5. 蓝灯亮，采集成功。

6. 累计5次成功采集，绿灯亮，管理员指纹采集成功。

四、第二个到第十个指纹录入说明

1. 管理员长按指纹识别器。

2. 蓝灯亮，松开手指。

3. 开始采集指纹，第二枚手指采集5次，不同角度，不同方向采集。

5. 红灯亮，采集失败。

5. 蓝灯亮，采集成功。

6. 累计5次成功采集，绿灯亮，指纹采集成功。

备注：
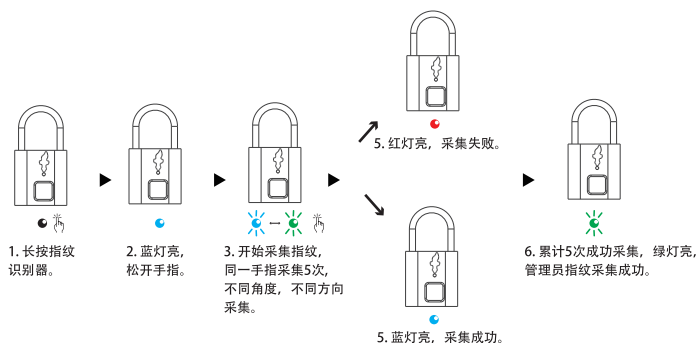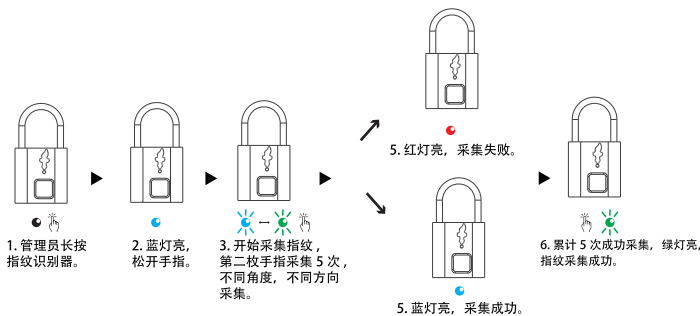
1. 默认第一第二枚指纹为管理员指纹。

2. 采集第二到第十枚指纹需要管理员指纹授权。

五、删除指纹说明

1. 管理员长按指纹识别器。

2. 红灯亮，松开手指。

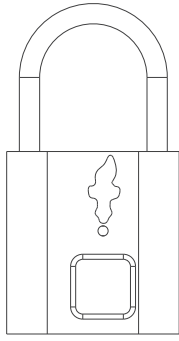3. 管理员指纹录入，绿灯亮指纹删除成功。
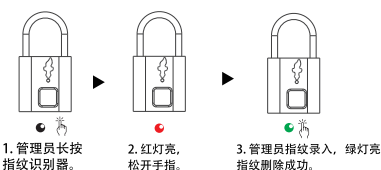
备注：

只有管理员才能删除指纹，并且是一次性删除全部指纹。

六、规格参数

支持360°任意方向按压式指纹识别；
分辨率508DPI；
ESD：+/-12kV空气，+/-8kV接触；
FRR：<1%；
FAR：<0.002%；
识别时间：<300mS；
电池容量：5V 60mAh
充电电压：5V 100mA

七、低电量报警模式

1. 按压已录入的指纹，低电量报警（红灯连续闪烁5次），随即亮绿灯和开锁。

2. 按压未录入的指纹，低电量报警（红灯连续闪烁5次），亮红灯，不开锁，随即进入休眠。

Fingerprint Padlock
(TSA)

Fingerprint   Long Standby Time   USB Charge   TSA

I . USB Interface:

The product is charged by USB. Please fully charge the product for the first time.

4
3
5
2
1

Components:
1. USB Port
2. Fingerprint Sensor
3. LED
4. Shackle
5.TSA keyhole

II . LED

Use 3-color LED. Different LED represents different mode.

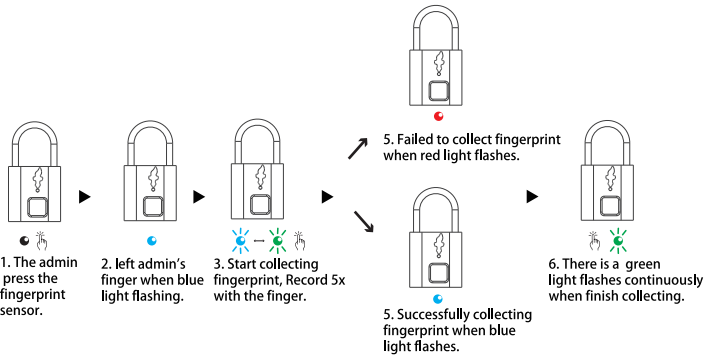| LED	Function	Mode
Red light flashes	Red light flashes	Failed to collect fingerprint
Green light flashes	Green light flashes	Fingprint collection mode/ Unlocked successfully
Green light on	Green light on	Collect fingerprint successfully
Blue light on	Blue light on	Admin fingerprint authorization
Blue light flashes	Blue light flashes	Restore factory mode
Red light on	Red light on	Delete fingerprint mode

Remarks:
1. The Green light on when unlocked successfully means there is no fingerprint in the lock.
2. The red light flash when the lock is in low battery, please recharge in time. The red light is on when recharging. Light off when fully recharged.

III . How to Collect the First Fingerprint

1. Press the fingerprint sensor.

2. Left your finger when blue light flashing.

3. Start collecting fingerprint, Record 5x with the finger.

5. Failed to collect fingerprint when red light flashes.

5. Successfully collecting fingerprint when blue light flashes.

6. There is a green light flashes continuously when finish collecting.
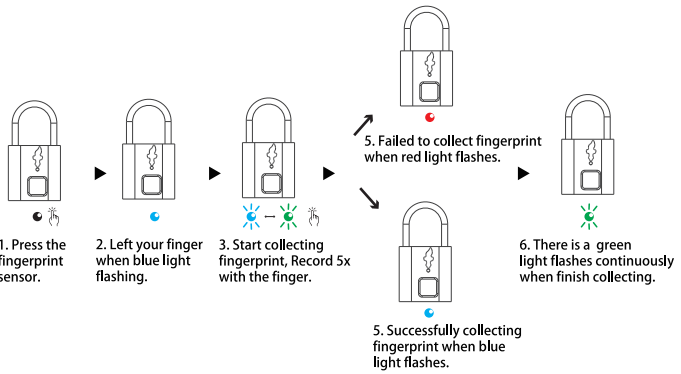
IV . How to Collect The 2nd to 10th Fingerprints

1. The admin press the fingerprint sensor.

2. left admin's finger when blue light flashing.

3. Start collecting fingerprint, Record 5x with the finger.

5. Failed to collect fingerprint when red light flashes.

5. Successfully collecting fingerprint when blue light flashes.

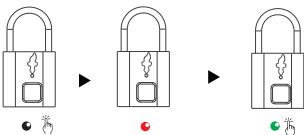6. There is a green light flashes continuously when finish collecting.

Remarks:
1. The first and second fingerprints are the admins by default.
2. One of the admins fingerprint will be need to authorize when adding fingerprints.

V . How to Delete Fingerprints

1. The admin press the fingerprint sensor.

2. Left admin's finger when red light flashing.

3.Press again, the green light will be on, all the fingerprints deleted successfully.

Remarks:
All fingerprints is deleted at the one time.

VI . Specifications

Support 360 degree angel fingerprint recognize
Resolution: 508DPI
ESD: +/-12kV air, +/-8kV contact
FRR: <1%
FAR: <0.002%
Recognize time: <300mS
Battery: 5V 60mAh
Charger: 5V 100mA

VII. Low Battery Alarm Mode

A. When in low battery mode, press the fingerprint sensor with registered fingerprint, red light flash 5 times continuously, then green light on and the lock will be open.
B. When in low battery mode, press the fingerprint sensor with unregistered fingerprint, red light flash 5 times continuously and the light stay red. The lock will not be open and enter standby mode.