Instruction Manual

FINGERPRINT
BIKE LOCK

Product Dimension

85mm/0.3in

31mm/1.2in

39mm/1.5in

Fingerprint Operation
LED
Micro-USB

Charging Status LED

Accessories List

Fingerprint Bike Lock
X 1

Lock holder
X 1

Charging Cable
X 1

Instruction Manual
X 1
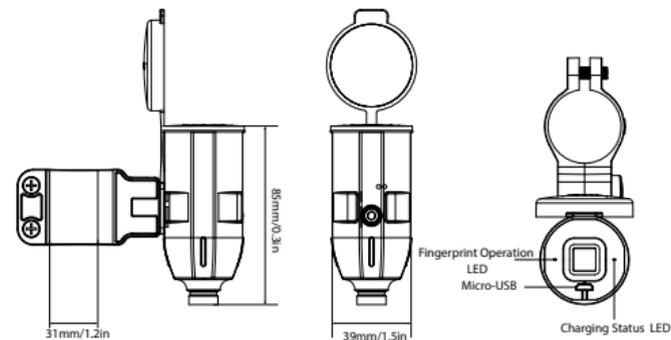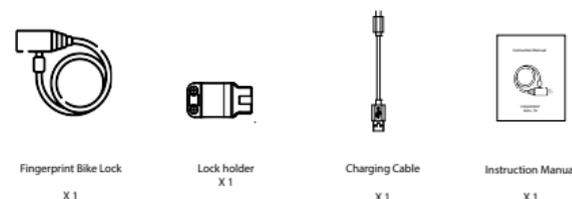
Specifications

Unlock method	Fingerprint
Fingerprint Capacity	50 (2 Admins + 48 Users)
Charging	Micro-USB
Standby Time	1 Year
Material	Zinc Alloy
Length	150cm（59.05"）
Waterproof	IP66

Power Supply	Lithium Battery 250 mAh
Static Current	≤30uA
Dynamic Current	≤30mA
Stall Current	≤200mA
Powering Voltage	4.1V～5.5V
Alarm Voltage	≤3.5V
Working Temperature	-25℃ ～ 65℃
Storage Temperature	-25℃ ～ 65℃
Working Humidity	10%~90%RH
Anti-static	Air discharge 15kV Contact discharge 8kV

Fingerprint Reading

Correct reading

Wrong reading
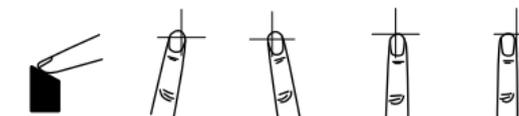
Note: When entering fingerprints, please place your finger on the fingerprint module following the correct method provided above. It should be noted that if your finger is too dry or too worn, it may affect the unlocking process, and the fingerprint entry will fail. In case the red light turns on while pressing, please adjust the position of your finger and continue pressing.

Fingerprint Operation

Register 2 admin fingerprints

In the initial state, any fingerprint can unlock the lock. However, after a fingerprint is registered, the lock will only be unlockable by that specific registered fingerprint. Other unregistered fingerprints will no longer have the ability to unlock the lock.

Step 1:
To unlock, press any finger firmly onto the fingerprint module and keep it in place until the unlocking process is complete. Next, press and hold an unregistered finger on the module for 3 seconds, and you should see the blue light start flashing. After this, remove the finger from the module.
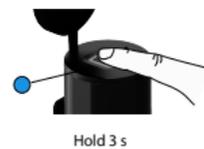
Hold 3 s

Step 2:
Register the admin fingerprint by pressing the desired blank finger onto the module 6 times until the green light appears.

Step 3:
Once the green light flashes, proceed to register the second admin fingerprint by pressing a different finger onto the module 6 times until the green light turns off. This indicates that the second admin fingerprint has been successfully registered.

Read 6 times to register 2nd admin fingerprint

Add user fingerprint

Step 1:
To begin, unlock the lock using the admin fingerprint. Keep your finger on the fingerprint module until the unlocking is complete. Next, press and hold a blank finger on the module for 3 seconds until the blue light starts flashing, then remove the finger from the module.

Hold 3 s

Step 2:
Now, take a new finger and press it onto the fingerprint module exactly 6 times. After completing the 6 presses, you should notice the green light turning on, indicating that the user fingerprint has been registered successfully.

Read 6 times to register user fingerprint

Note: During the registration process, please make sure to actively press the fingerprint onto the module. If there is no action of pressing the fingerprint for 30 seconds, the registration process will automatically exit. In such a case, you will need to start the registration process again from the beginning.

Light on — No Operation 30 s — Light off — Exit & Restart

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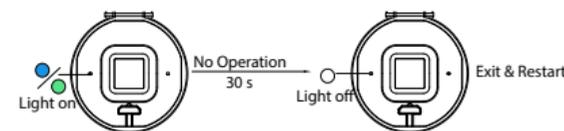
Delete a single user fingerprint

Admin fingerprint

Step 1:
To initiate the process, unlock the lock using the admin fingerprint. Once unlocked, continue to press and hold the admin fingerprint on the fingerprint module for 10 seconds after unlocking. Please ensure not to remove the finger until the red light starts flashing.
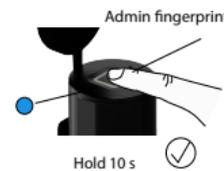
Hold 10 s

Do not remove the finger during blue light flashing

Step 2:
To delete a registered user fingerprint, press the specific user fingerprint you wish to remove on the fingerprint module. Once you press it, the green light will turn on, indicating a successful verification, and the corresponding user fingerprint will be deleted from the system.
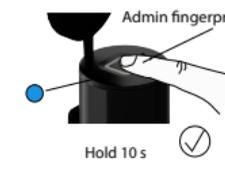
Press the registered user fingerprint

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Factory Setup

Admin fingerprint

Step 1:
To begin, unlock the lock using the admin fingerprint. After unlocking, press and hold the admin fingerprint on the fingerprint module for 10 seconds. Ensure not to remove your finger until the red light turns on.

Hold 10 s

Do not remove the finger during blue light flashing

Step 2:
Once the red light starts flashing, press the registered admin fingerprint on the fingerprint module again. When the green light turns on, it indicates that the lock has been successfully reset to its factory setup, and all fingerprints previously registered in the lock have been cleared.

Press any admin fingerprint

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Troubleshooting

Unlock and lock with external power supply or battery	The current of unlocking is less than 30mA
Battery Charging	Red LED stays on
Battery Fully Charged	Red LED off
Unlock and lock under fully charged	The lock can open more than 10000 times
Low Voltage Alarm	When the battery is less than 3.5V, the red light will flash 3 times after unlocking, indicating the need to charge the lock promptly.
Low Voltage Protection	When the battery is less than 3.0V, all functions are turned off. Pressing any finger will activate the green light, but the lock cannot be unlocked

NOTICE:

Thank you for purchasing and using our products. Prior to using the product, we kindly request you to carefully read this manual. Should you encounter any issues during installation or usage, please do not hesitate to contact us. We are committed to offering you comprehensive technical support and services.

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