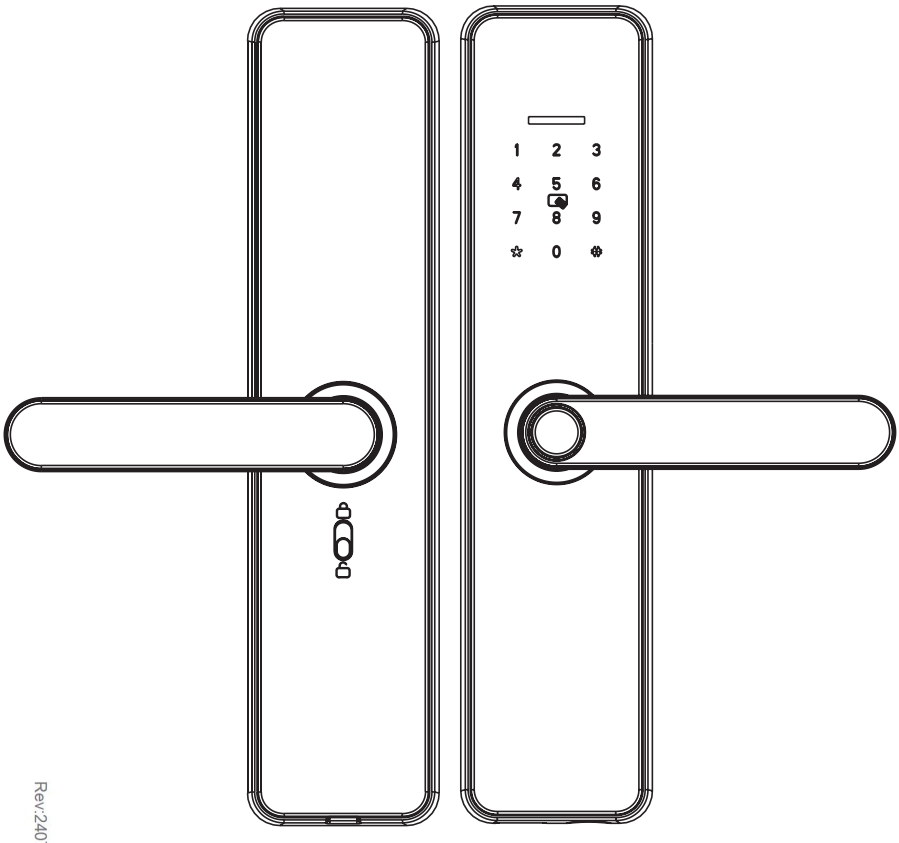
Locstar LS-C91

www.locstar.com
400-8833-566

Smart Lock User Manual

[Tuya Version]



Rev:240706 V1.0

SHENZHEN LOCSTAR TECHNOLOGY CO.,LTD
Reserves the right to interpret this manual

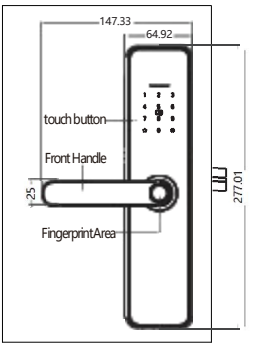
Ⅰ、Product introduction

1、Product parameters

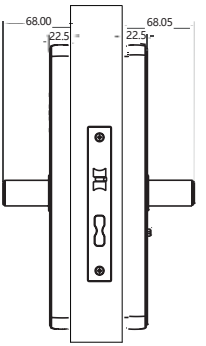
Power supply	4.5~6.5v (4AAA batteries)
Static current	< 55 Ma
Working current	< 250 Ma
Fingerprint Capacity	≤100
Cards Capacity	≤300
Password Capacity	≤300

Resolution	500DPI
Rejection rate	≤0.15%
False recognition rate	≤0.00004%
Working temperature	-10℃ ~ 60℃
Relative humidity	20%RH ~ 93%RH

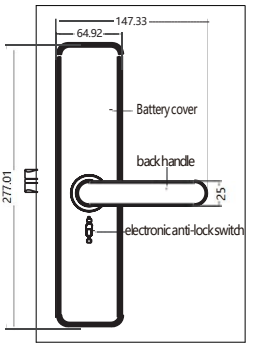
2、Product dimensions



Front Panel

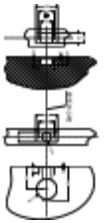


Side Part



Back Panel

3、Packing list (accessories in kind prevail, pictures are for reference only)

1.front panel	2.Back panel	 3.opening size diagram	4.User Manual	5.Door gusset plate
				6.Latch box
7.lock mortise	8.Square shaft	9.Installation screw	10.Mechanical keys	11.Tapping screw

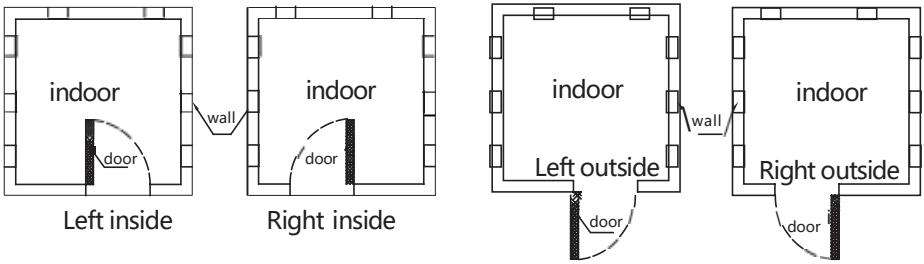
Ⅱ、Installation Guide

1、installation conditions

1.1、Door thickness

- Door lock border ≥110 mm (thickness of inconsistent doors)
- 45mm≤door thickness ≤120mm(custom accessories are required when size exceeded)

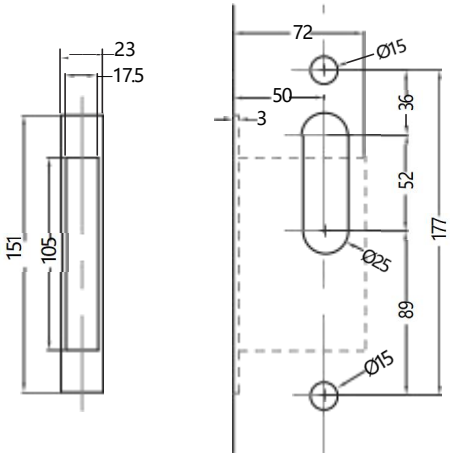
1.2、Opening direction



2、Installation tool (for reference only)

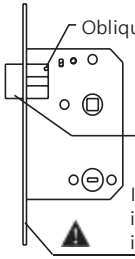
1.manual electric drill	2.pencil	3.tape ruler	4.hammer	5.bit
6.hacksaw	7.angle ruler	8.screwdriver	9.Cutter	10.chisel

3、Opening size diagram (for reference only)



4、Lock mortise open direction change

According to their actual needs, the internal and external opening directions of the lock are changed as follows



①Pull the oblique tongue reversing pick to the other end.

②Push the oblique tongue into the locking body and turn it 180 degrees.

5、Handle direction change and square axis position adjustment

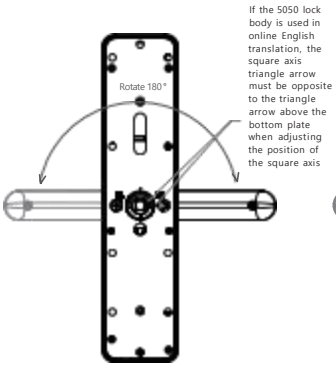
According to the actual needs of their own, with a screwdriver inserted into the iron plate arrow pointed to the round hole twist loose screws, according to the actual left or right open need to turn the handle 180 ° , and then tighten the screws.

Warm Tips: Please do not disassemble the screws in the handle hole,disassembly caused by failure do not do warranty!

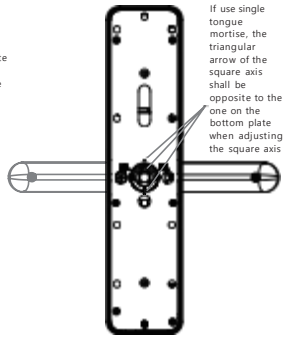
Note: when disassembling the reversing screw, lift the handle slightly, aim at the reversing screw to disassemble, and then lock the reversing screw after changing

If use single tongue , the square axis needs to be adjusted in the middle position

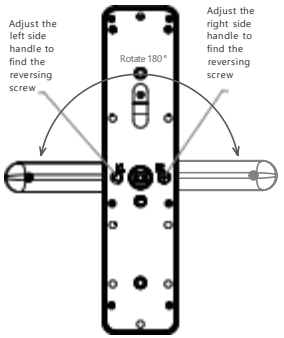
Note: After removing the reversing screw for left and right reversal, turn the handle 180 degrees before locking the reversing screw.



Front Panel

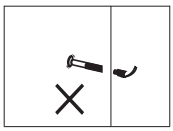
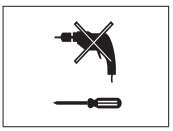
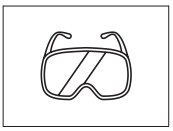
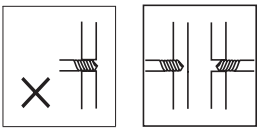


Front Panel

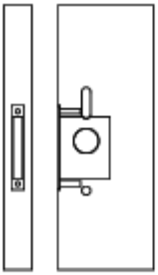


Back panel

6、Installation Notes

①	②	③	④
In order to ensure successful installation, do not exert excessive force when tightening the screws, which may cause damage to the lock	Select correct screw tool	Wearing eye protection devices when opening doors to avoid eye injury	In order to prevent unnecessary damage to the door, when opening the door, please make the opening from both sides, remember to penetrate the opening on one side
			

7、Installation steps



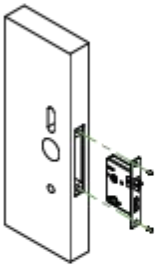
Ⅰ、Line drawing

1. draw a horizontal center line 1m from the ground on both sides of the door.

2.Fold the opening template in half, align the center line of the handle of the opening template with the horizontal line on the door, and draw the opening lines on the front and side of the door according to the requirements of the opening template.

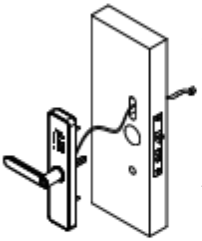
Ⅱ、Opening

Open the panel and lock core mounting holes according to the requirements of the opening template.



Ⅲ、Install the lock

Install the lock mortise into the mortise hole in door frame, and secured to the door with two M5*20 screws.

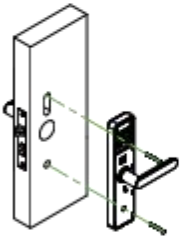


Ⅳ、Front Panel Installation

1.Install the hollow stud and square shaft on the front panel .

2.Align the shaft on the front panel with the square shaft hole on the lock mortise.

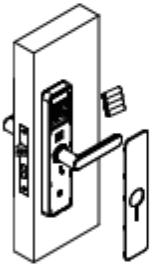
3、install the front panel horizontally to the outside of the door.



Ⅴ、Back Panel Installation

1.Align and insert the front and rear wiring.

2.Attach the back plate to the door, and lock the front and back panels with two panel screws, lock and fix.



Ⅵ、Battery and rear cover plate installation

Install the new battery into the battery box according to the positive and negative alignment, and install the rear cover plate into the rear panel after the power on is normal.

Ⅶ、Install the door gusset plate

1.Put the door close to the door frame, draw the position of the lock tongue on the door frame with a pencil, and then draw the opening shape of the door frame .

2.After opening the hole, put the Latch box and the door gusset plate into the hole as shown on the left, and fix the gusset plate with 2 M5*20 screws.

3 . Closing the door, check whether the lock tongue can be fully extended.

Ⅷ、Installation and debugging

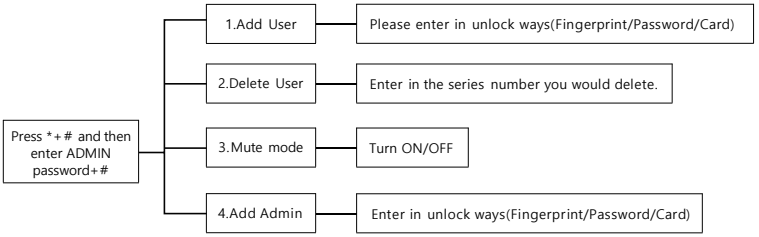
1 .turn the handle, check the flexibility of the front and back handle.

2.Open the lock mechanical key hole cover, insert the mechanical key, twist the key in place clockwise, then push the handle to open the door, and check whether the key can open the door normally.

3.Test the door opening function after setting the door lock according to the door lock operation guide .

Ⅲ、Function and Operation

3.1Function menu topology diagram



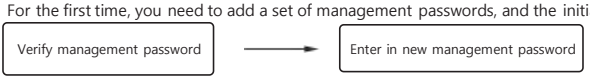
3.2 Function and Operation

1. Initialize the system

Factory defaut management password is "123456" can unlock the door;
Before use, change the management password to access the menu function.

2. Operation rules

For the first time, you need to add a set of management passwords, and the initial password is 123456.

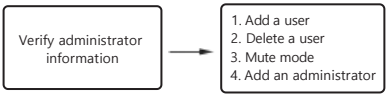


The "#" key is the confirm key or the function key for entering the menu. After entering the menu, press "#" to play the voice repeatedly.
The * key is the clear or back key. When enter a password, press to clear the input

3. Access the door lock function

After the touch screen is lit up, press "* #" or "Set" on the rear panel to prompt you to verify the management password (the initial password is 123456). After the verification passes, you can enter the door lock function management.

As shown in the picture:



Audio broadcast order:

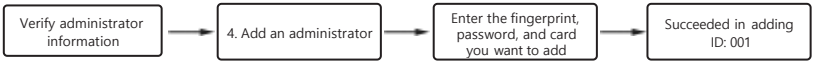
"Please verify administrator information" → "Administrator verification succeeded" → "1 Door lock function" → "2 Delete user" → "3 Mute Mode" → "4 Add Administrator"

4. Set Admin

◆Enter administrator information

Enter the door lock function menu, select 'Add Administrator', select the type to be added, and perform operations according to the display and voice prompts.

As shown in the picture:



Audio broadcast order:

""Verify administrator information" → "4, Add Administrator" → "(Input fingerprint, password, and card as prompted)" → "xxx added successfully"

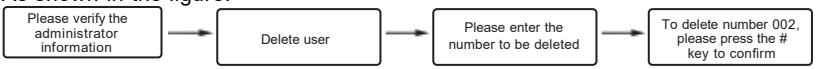
* Note: The information that has already been input cannot be entered. The added ID is automatically added in sequence, the password digit is 6 to 12, the total number of administrator users is 9, and the number 001the password is entered for the first time.

* Enter to add a new administrator password, the initial password automatically invalid.

◆Delete administrator information

After entering the door lock function menu, select "Delete user" and enter the number to be deleted and operate according to the display and voice prompts.

As shown in the figure:



Voice broadcast sequence:

1 Door lock function" → "2 Delete user" → "Please enter the number to be deleted" → "Delete number xxx, please press the confirmation key" → "Delete successful"

*Note: The currently verified administrator number cannot be deleted

5. Add ordinary users

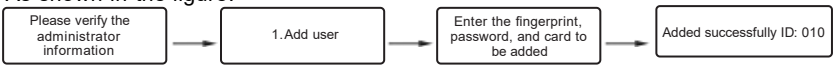
Ordinary user settings include entering ordinary users and deleting ordinary user information. Ordinary user information can be entered as fingerprints, cards, and passwords. After entering the door lock function management, follow the voice prompts.

◆Enter ordinary user information

*Add a new administrator password before adding ordinary users

You can add fingerprints, passwords, and cards to add users. After entering the door lock function, select'Add user', select the type to add,and follow the display and voice prompts.。

As shown in the figure:



Voice broadcast sequence:

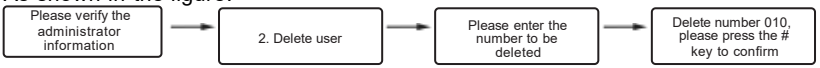
1 Door lock function" → "1 Add user" → "(Select the type to be added and follow the voice prompts)" → "xxx added successfully""

Note: When adding, the ID is automatically added in sequence starting from' Id: 10', the password is 6 to 12 digits, the number of users is 90, and the maximum number of face users that can be added is 50, Add face and add finger options, if the corresponding module is not connected, will automatically not be displayed. During the input process, the information that has been entered cannot be entered."

◆Delete ordinary user information

The deleted user information can be face, fingerprint, card or password. After entering the function, follow the display and voice prompts.

As shown in the figure:



Voice broadcast sequence:

1 Door lock function" → "2 Delete user" → "Please enter the number to be deleted" → "Delete number xxx, please press the confirmation # key" → "Deleted successfully""

◆Delete all users

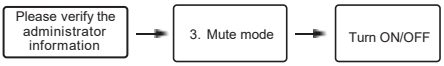
Press and hold the 'Set'setting button on the rear panel for 5 seconds, and the prompt will be displayed to restore the factory settings. Press the confirmation # button to confirm. After restoring the factory settings, all unlocking information and records will be cleared, and the initial password will be restored to 123456.

Voice broadcast sequence:

Initialization successful

6. Mute mode

The Mute mode can adjust the door lock voice. After entering the interface, press the prompt to turn on or off the mute mode.



Voice broadcast sequence:

'Silent mode is on' 'Silent mode is off'

7. Language setting

After multiple languages are set, they can only be switched by password. The specific supported languages are determined by the configuration of the door lock. The switching password is as follows:

Language switch (initial state)
555666888# Use Chinese
555666880# Use English
555666881# Use Vietnamese
555666882# Use Portuguese
555666883# Use Arabic
555666884# Use Russian
55341# Use Kazakhstan
555666886# Use Spanish
55342# Use Israeli

8.Other instructions

◆If you enter an incorrect password for more than 5 consecutive times within 5 minutes, the keyboard is locked and the system does not respond to any operations in 90seconds. You can press the setting key on the rear panel to enter the administrator and unlock the password.

◆Password anti-prying function: Enter the password as follows when opening the password :XXX password XXX: you can add some irrelevant codes before and after the password, and then press # to confirm. The password must be included in the input.

◆If no operation is performed for more than 20 seconds, the system will automatically exit.

◆When the voltage is lower than 6.9V, it will automatically alarm every time the lock is opened. After the alarm, the door lock can be unlocked 200 times. If the number of times exceeds the alarm, the lock will be prohibited.

◆Human body induction, everytime after unlocking the lock will delay 10 seconds to restart, to prevent the wrong start.

◆Human body induction automatically triggered 5 times, 5 times out of time no face detected or unlocked, the system will temporarily shutdown the induction for 2 hours, 2 hours later or after the next operation can be restored, to prevent people from walking around in the frequency of the occasion of false wake up anti power consumption.

◆Press "00#" to play the current system version number," XXX-XXX ". The first three digits are the mainboard version number and the last three digits are the rear board version number.

◆Press 99# to display the current time of the voice broadcast.

◆In the initial state, press "888#" to quickly enter the installation and setting menu, compatible with the operation mode of the old version, convenient to adjust the motor direction.

3.7 Restore factory settings

3.6.1. Press and hold the reset and clear button on the 10s rear panel, the door lock will return to the factory default, and the voice and light will be restored successfully.

3.6.2.The factory default password is 123456, all fingerprint password card registration are cleared, and the operation record remains unchanged.

3.8 Low voltage alarm and battery replacement method

3.8.1 Battery Low voltage alarm

When the battery is low-voltage, when unlock by fingerprint / password / card, and the door lock voice prompts "the voltage is too low, please replace the battery".

3.8.2 Battery replacement method

Take out the old battery, put the new battery into the battery box according to the positive and negative pole alignment, and install the battery cover into the bacl panel after the power is normal.

3.9 USB emergency power supply and mechanical key unlock

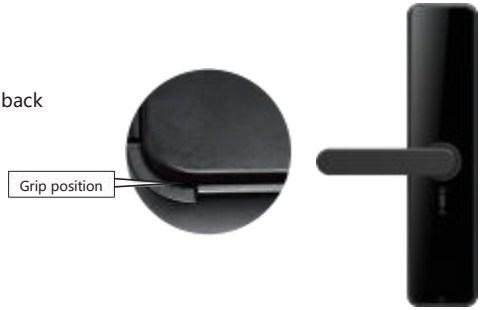
When the battery has no power, use 5V power bank +micro USB cable and connect the micro USB port of the external emergency power supply to unlock normally, or use the mechanical key to unlock.

3.10 Electronic anti lock function

When the electronic anti lock key is pushed upward, it is locked, and when it is pushed downward, it is unlocked.

3.11 To open the battery cover

There is a small gap on the left bottom of the back cover, from where you can open the battery cover.



Ⅳ、Work with TUYA APP

5.1 APP download

Search "Tuya Smart" in play store / App Store or scan the QR code below to downloadthe APP

5.2 Register /Login /Forget password

5.3 Add graffiti door locks

Enter *+# in the door lock - Enter "Administrator password" - press 2 "WirelessSettings" -1 "Add Network" - prompt "Network pairing"

① Select the device to be added.+ indicates to add the device.

② Select the lock type you need, enter the distribution mode, and turn on Bluetooth tosearch for the required device. After discovering the device, click Add, enter the WIFI youwant to connect, and then wait for the connection to succeed.

5.4 APP user method

① Click on member management

you can see who is the administrator, and you can press the "+" in the upper right corner to add family members and other members. After adding a member, you can also change the member's name and see the member's added fingerprint, password, card and other information.

② Temporary Password

Click Temporary Password to set online password andoffline password. Online password can be set as unlimited times, offline password has: one-time password and unlimited times password.

③Smart linkage
can set conditions, and when the set conditions are met, the APP message push will be triggered.

④Remote door opening request: Enter 9# on the lock panel. When someone presses the doorbell, a remote door unlocking request will be pushed. The user can remotely unlock the door or refuse to unlcok the door through the APP. The APP will also have a doorbell record afterwards. If someone unlocks the door with a password or locks it, the APP will have a door opening record locally.

Warranty Card

1. The manual and warranty card are included in the factory default packaging for each product. After installation, please fill in the warranty card and keep it properly as the warranty certificate.
2. Full grantee: 1 year
3. The following are not covered by the warranty:
   A. Damage caused by accidental factors or human behavior and external forces including violent tampering, un-suitable voltage inputted.
   B. Force majeure causedby natural disasters, such as earthquake, fire, flood etc
4. We charge corresponding fees for those beyond the warranty scope.
5. If the product fails, please contact the local distributor for repair, and write down the specific address, name, telephone number and fault phenomenon.

Product info	Product Name	
	Product Model No.	
	Purchase Price	
	Purchase Date	
User Info	User Name	
	User Phone No.	
	Delivery Address	
	Post code	
Distributor Info	Distributor	
	Address	
	Phone No.	
	Invoice No.	
	Distributor Chop	

Maintenance Record

(Filled in by the maintenance staff)

Maintenance Date	Fault Phenomenon	Maintenance Record	Authorized Maintenance Chop

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

FCC Warning

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a

particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

—Reorient or relocate the receiving antenna.

—Increase the separation between the equipment and receiver.

—Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

—Consult the dealer or an experienced radio/TV technician for help.

NOTE 2: Any changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.