FCC WARNINGS

Warning: 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.

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
(2) this device must accept any interference received, including interference that may cause undesired operation.

Shielded cables must be used with this unit to ensure compliance with the Class B FCC limits.

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.

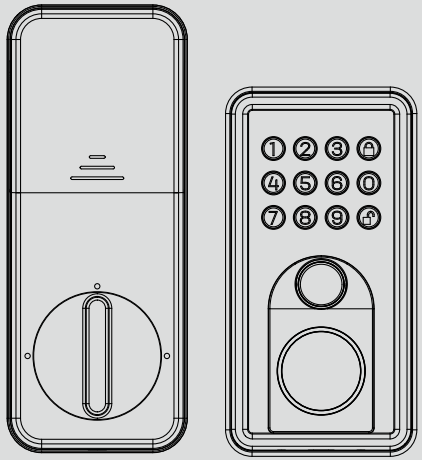
To maintain compliance with FCC's RF Exposure guide lines, The device has been evaluated to meet general RF exposure requirement.Use only the supplied antenna.

NOTICE:
This manual is for the purpose of product use and operation. Design and specifications are subject to change without notice.

Version 1.0

SMART LOCK

Installation Instructions

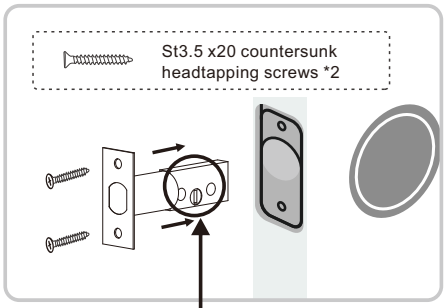


RL-D1

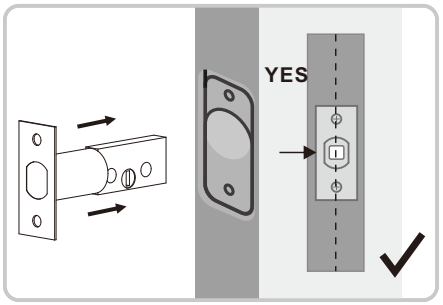
Features

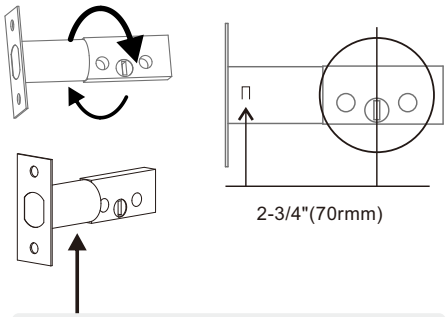
- Multiple unlocking methods: key, PIN code, fingerprint and Bluetooth.
- Support temporary PIN code.

Install the latch and strike

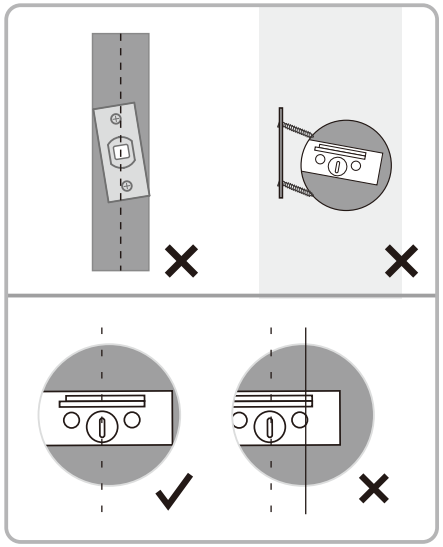


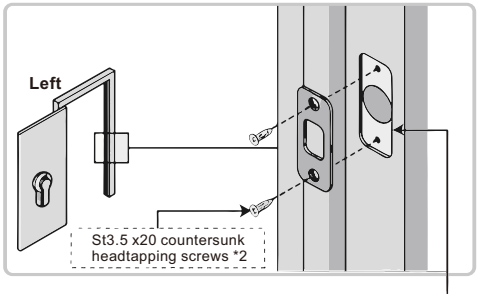
Make sure the T-shape hole is in the bottom position.

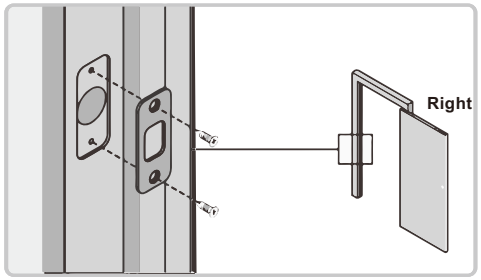




Twist the latch and adjust thebolt length (Make sure the latchbolt is retracted).



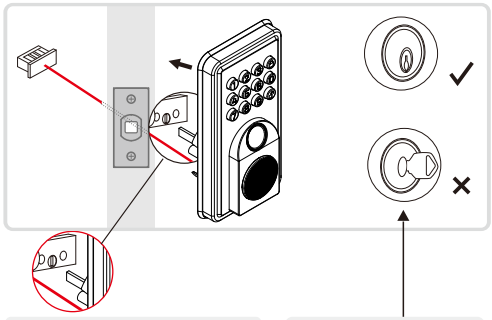




Make sure the hole in the door frame is drilled a minimum of 1"(25mm) of hole diameter.

Install the exterior assembly

⚠ Keep the latch in unlocked position before installation

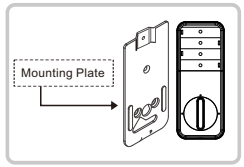


Attention:
Tailpiece going through the latch must be installed vertically.

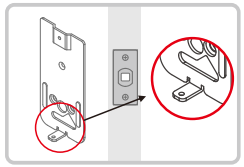
The key must be pulled out when installing.

⚠ **NOTE :**
- Do not load batteries untillock is completely installed.
- Set door opening direction by referring to "Quick Setup" on Page 4.

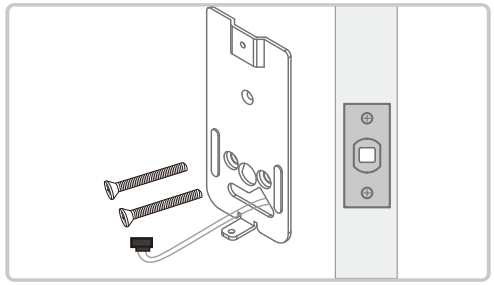
1.Take off the Mounting plate.



2. Route cable through the bottom of mouting plate.

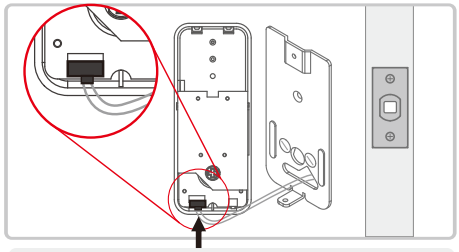


3. Tighten screws evenly.



NOTE: Please support exterior assembly during mounting plate installation.

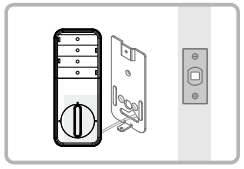
4. Ensure tight cable connection.



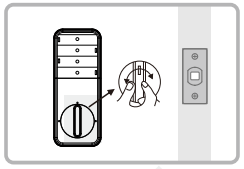
The smooth side of the plug should be at the bottom.

⚠ Do not load batteries untillock is completely installed.

5. Tighten screws evenly.



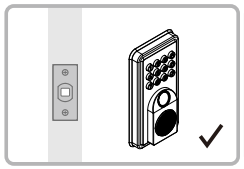
6. Test the Lock.

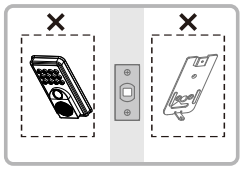


Test the lock by rotating the thumbturn to see if the bolt can be extended and retracted smoothly.

Installation test

⚠ Programming after successfulinstallation testing.





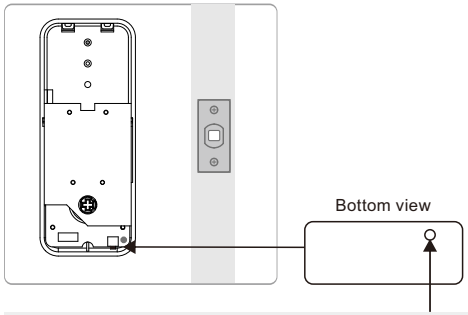
- Load battery to test installation by key and default master code.
- Default master code: 123456.

NOTE :
- Insert key and test latch.If latch does not extend or retract smoothly. Please adjust mounting plate screws.
- If the keypad and mounting plate are deflection. Please loose mounting plate screws and adjust.
- After installation, please test the door opening direction. If the door opening direction is incorrect, Set it by referring to "Quick Setup" on Page 4.

Information and Safety Warnings

- Protect your user codes and master code.
- Restrict access to your lock's interior assembly and routinely check your settings to ensure they have not been altered without your acknowledge.

- Master PIN Code (6-8 digits), the default master pin code is "123456", it's required that you change it to a code of your own before programming.
- User PIN Code (6-8 digits).



Reset Button
Keep holding the reset button until you hear the long sound of "beep"

FACTORY DEFAULT

Master code	123456
Auto lock	Disabled
Silent mode	Disabled
Wrong code entry limit	5 times
Shutdown time	3 mins
Vacation mode	Disabled

Network Pairing

1. Scan the QR code below to download and then install it.

TuyaSmart

Android 5.0 / iOS 8.0 or higher

2. Register your Tuya account and log in.
3. Turn on Bluetooth of your mobile phone. Open the app, tap " + " button at the upper right corner and then select "Add Device".
4. For the smart lock, make it enter into Bluetooth mode. (A)
5. Wait until the device has been searched.
6. Follow the in-app guidance to complete the pairing.

Scan the QR code below for the app operation details.

NOTE: It may fail to scan the QR code with the scan feature of some application (for example: WeChat). in this case, it is recommended to scan the QR code with the scan feature of the browser in order to download the app operation details.

The effective distance of Bluetooth in open area is approximately 5 meters. If the distance between your mobile phone and the smart lock is larger than 5 meters, Bluetooth will be disconnected.

NOTE:
Once the device is added successfully, it is bound to the tuya account and cannot be added by other accounts. If you want to add the device by using another account, reset the device to unbind the previous account.

You can follow one of the methods below to reset the device.

Method 1: When the device is in Online status, remove it from the Tuya account and then the device will enter the RESET status.

Method 2: Keep holding the reset button until you hear the long sound of "beep".

You can share the device with your family after you add it.

Quik set up

The default master code is 123456. It's required that you change it to a code of your own before programming.

Key press tone	"Di" tone
Set successfully Unlocked successfully	a long "Di" tone
Operation error	"Di-Di" tone

Work indicator light
- Blue light flashes slowly: enter set mode
- Keypad red light flashes: wrong passcode, operation error
- Keypad red light steady on: keypad is locked

****** **Administrator code** (The default master code is 123456)

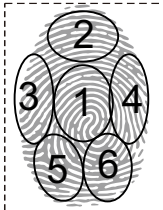
Keypad input:

		Keypad input		
	(10 administrator acoounts) Set administrator code	[🔓] + [1]+ [🔒] + [******]+ [🔒]	New administrator code → [🔓]	(re-enter) New administrator code → [🔓]
★	Add administrator fingerprint	[🔓] + [1]+ [🔒] + [******]+ [🔒]	Input fingerprint (6 times) → [🔓]	
	Add user code	[🔓] + [2]+ [🔒] + [******]+ [🔒]	New user code → [🔓]	(re-enter) New user code → [🔓]
★	Add user fingerprint	[🔓] + [2]+ [🔒] + [******]+ [🔒]	Input fingerprint (6 times) → [🔓]	
	Add one-time code	[🔓] + [3]+ [🔒] + [******]+ [🔒]	Temporary code → [🔓]	(re-enter) Temporary code → [🔓]
	Delete all user code	[🔓] + [4]+ [🔒] + [******]+ [🔒]	[0000] → [🔓]	
	Delete user code	[🔓] + [4]+ [🔒] + [******]+ [🔒]	Unwanted user code → [🔓]	
	Delete fingerprint	[🔓] + [4]+ [🔒] + [******]+ [🔒]	Scan unwanted fingerprint → [🔓]	
	Vacation mode	[🔓] + [5]+ [🔒] + [******]+ [🔒]		
	Silent mode	[🔓] + [6]+ [🔒] + [******]+ [🔒]		
	Automatic lock	[🔓] + [7]+ [🔒] + [******]+ [🔒]	[05] (Input time(s) "05~30") → [🔓]	
	Turn off Automatic lock	[🔓] + [7]+ [🔒] + [******]+ [🔒]	[00] → [🔓]	
	Left/Right hand door setting	[🔓] + [8]+ [🔒] + [******]+ [🔒]	(The default door opening direction is right)	
(A)	APP setting	[🔓] + [9]+ [🔒] + [******]+ [🔒]		
	Reset	[🔓] + [0]+ [🔒] + [******]+ [🔒]	[000] → [🔓]	

NOTE: Repeat the operation to switch between ON and OFF. After vacation mode is turned ON, only administrators can unlock.

The keypad light will flash slowly to indicate it has entered into Bluetooth mode. 60 seconds of waiting time for connection.

OTHER REMARKS:
1. Press (🔒) to lock.
2. Password + (🔓)to open.
3. After 5 incorrect attempts, the system locks and unlocks after 3 minutes.
4. After the low battery alert, it can still unlock ~50 times. Replace batteries as soon as possible.

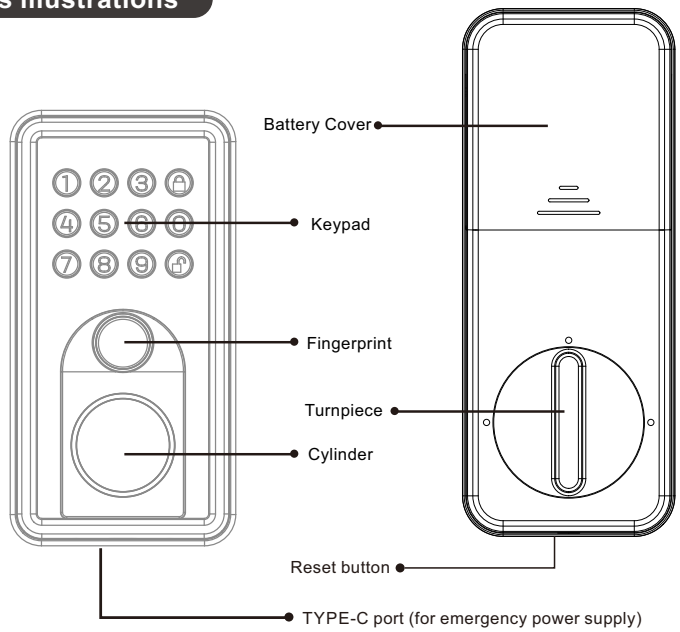


★ **NOTE**: When registering fingerprints, scan the finger in all 6 directions (as shown in the figure) to improve fingerprint unlocking sensitivity.

Function List

[🔒]+1+[🔒]:	**Add administrator code/fingerprint:** 10 pcs, default: 123456, 6 entries required when registering fingerprint.
[🔒]+2+[🔒]:	**Add user code/fingerprint:** 70 pcs (series number: 011 - 080)
[🔒]+3+[🔒]:	**Add one-time code**: 20 pcs (series number: 081 - 100)
[🔒]+4+[🔒]:	**Delete users:** Input the 3-digit series number or the code itself to delete. Input 0000 to delete all users.
[🔒]+5+[🔒]:	**Vacation mode:** Default: Off. When turned on, only administrator codes can be used to unlock.
[🔒]+6+[🔒]:	**Silent mode**: Default: Off.
[🔒]+7+[🔒]:	**Automatic lock:** Default: Off. If input 05, it means after unlocking, it will automatic lock after 5 seconds. Input 00 to turn off the function.
[🔒]+8+[🔒]:	**Left/right hand door setting**: Switch between left and right for the door opening direction.
[🔒]+9+[🔒]:	**Bluetooth pairing**: There will be 60 seconds of waiting time for connection after enabling the mode via on the smart lock. You are required to set a new administrator code for the first use.
[🔒]+0+[🔒]:	**Reset**: System will reboot for the reset.

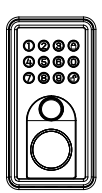
Parts illustrations

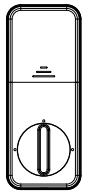


Specifications

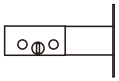
Power supply	4 X AA alkaline batteries, DC 6V
Current in sleep mode	<100uA (average)
Low battery alert	4.8V ±0.2V
Unlock methods	fingerprint, code, APP and key
User amount	100 pcs (10 pcs administrator, 70 pcs general users, 20 pcs temporary users)
Fingerprint sensor	semi-conductor
Code length	6 - 8 digits
Virtual code	support
Audio UI	buzzer
Keypad light	blue, red
Wireless connection	Bluetooth BLE
APP	Tuya APP
Door thickness	35~55mm
Operating humidity	10%~95%
Operating temperature	-20~50°C

What's Included


Exterior Assembly


Interior Assembly

Entry Key

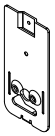

Latch

Strike Plate

Buckle Box

Mounting Screws

Screws


Mounting Plate