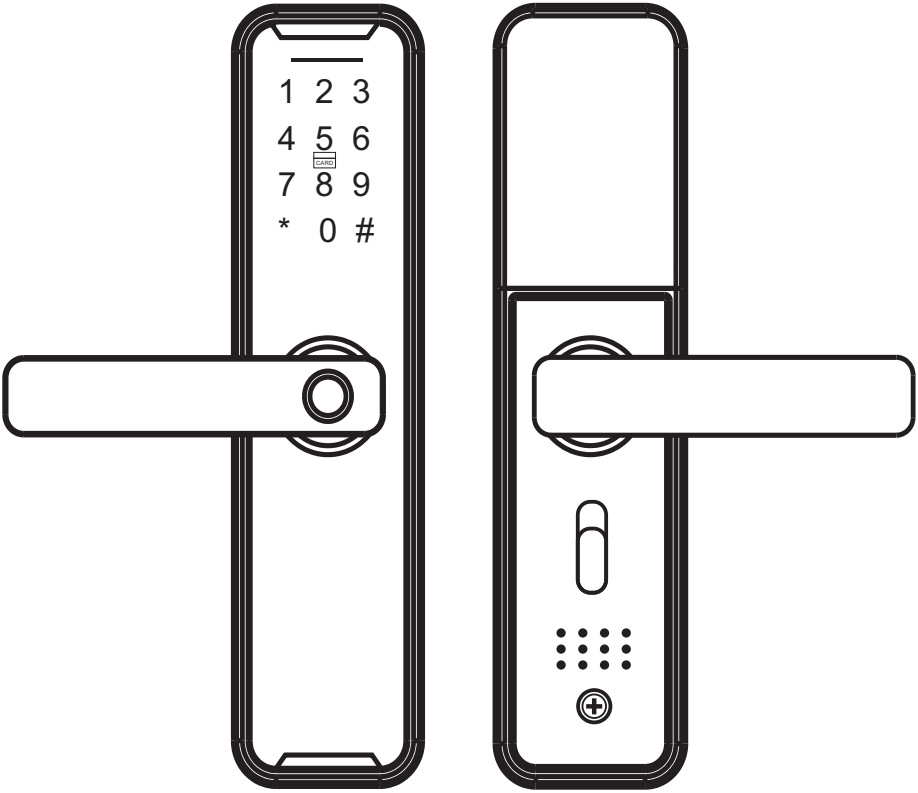
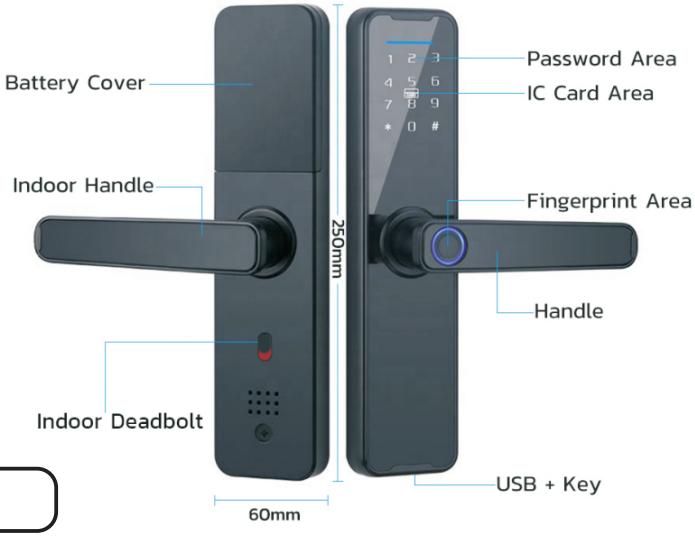
SMART LOCK
OPERATION MANUAL

MODEL: k7



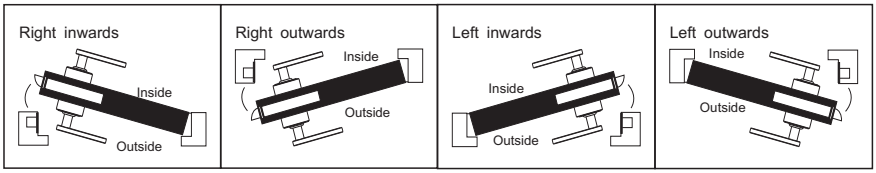
Battery Cover
Indoor Handle
Password Area
IC Card Area
Fingerprint Area
Handle
USB + Key
250mm
60mm


Battery Cover
Indoor Handle
Indoor Deadbolt
Password Area
IC Card Area
Fingerprint Area
Handle
USB + Key
250mm
60mm

1.Door opening direction

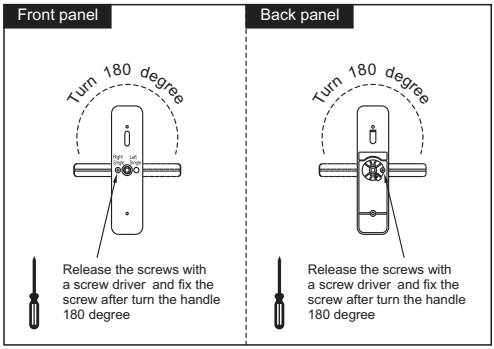
(1) Right handle opening

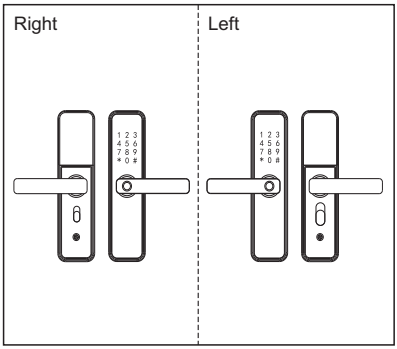
(2) Left handle opening

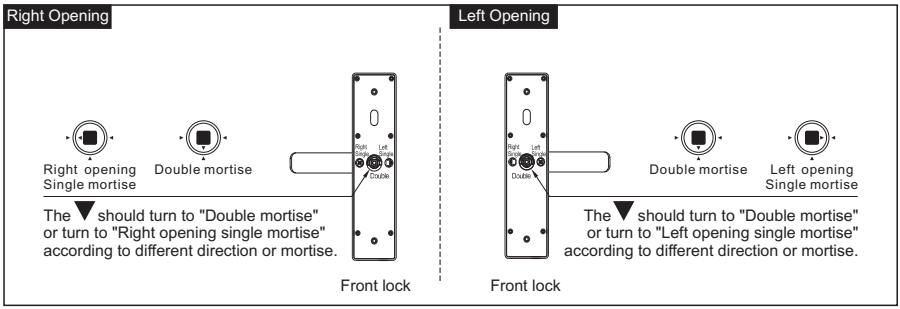


2.Shift the left and right handle opening

According to your needs to adjust the left and right handle opening by a screw driver to release screw,then turn the handle 180 degree,then fix the screw.
Note:Do not unscrew the screw in the handle hole,if there is broken when you do that,you will not have any warranty.

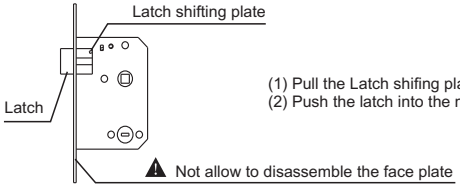






3.Adjust the mortise direction

According to your need to adjust the mortise direction



(1) Pull the Latch shifing plate to another side
(2) Push the latch into the mortise and turn 180 degree

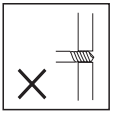
4.Caution before installation

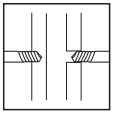
(1) Do not put strong force when installation, avoid to damage the lock.

(2) Use correct installation tools.

(3) Wear glass to protect your eyes when drilling holes.

(4) Drilling the holes on both side of the door to avoid damage the door surface.





5.Installation

Installation steps:

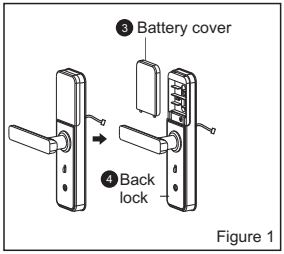


Figure 1

As Figure 1:
(1) Divide the Back Lock into Battery cover and Back panel.

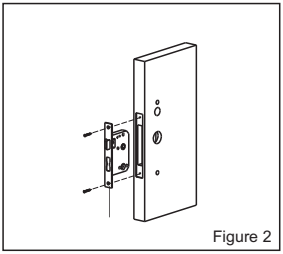


Figure 2

As Figure 2:
(1) Fix the mortise with 2 screws.

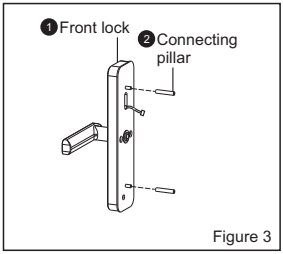


Figure 3

As Figure 3:
(1) Fix the two connecting pillars on the front panel.

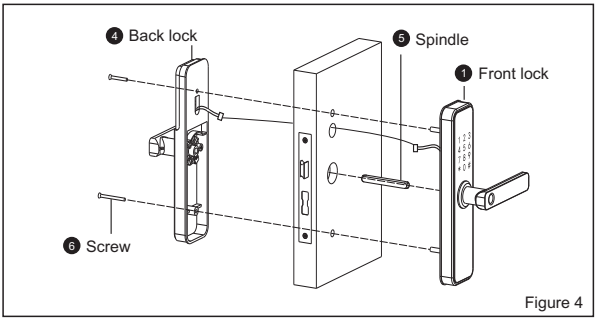


Figure 4

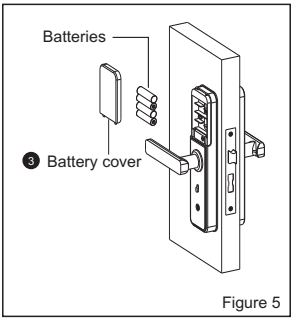


Figure 5

As Figure 4:
(1) Put the spindle on the mortise.
(2) Make the front panel cable across to the door plate and connect to the back panel.
(3) fix the front panel and back panel with two screws.

As Figure 5:
(1) Put the Batteries correctly and fix the Battery cover.

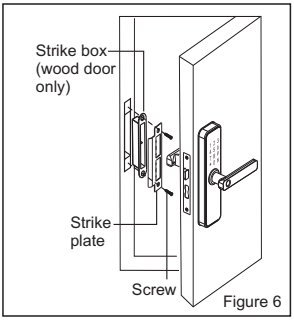


Figure 6

As Figure 6:
(1) Install the strike box and strike plate on the door frame with 2 screws.
(2) Test the lock if it works correctly.

6. Check points after installation

(1) The smart lock is horizontal with the door.
(2) The Latch bolt,Dead bolt and Security Bolt must works smoothly and flexibly.
(3) The Front lock is vertical and stable.

7. Deadbolt setting

The deadbolt area is red, a non-admin user cannot unlock unless it is an admin user or unlocks with a key.

8. Smart Lock User Interface Operation

A. Wake up the screen by touching keyboard, press the "*" and "#" keys then input initialize password 123456 and "#" key to enter initialize menu: (After enter menu, press "*" key to return/ press "#" key to confirm)

B. First time entering main menu, need to record new password (6 digits with #" key to confirm and repeat again) or fingerprint (6 times) as admin user, press "#" key to confirm. Wake up the screen by touching keyboard, press the "*" and "#" keys then input admin password and "#" key or fingerprint to enter main menu:

1: Add Users

Press 1 to record new password (6 digits with "#" key to confirm and repeat again) or fingerprint (6 times) as normal user, press "#" key to confirm.

2: Del Users

Press 2 to enter the user no. which need to del then press "#" key to confirm.

3: Normally open mode

Press 3 to enable and again to disable.

4: Mute mode

Press 4 to enable and again to disable.

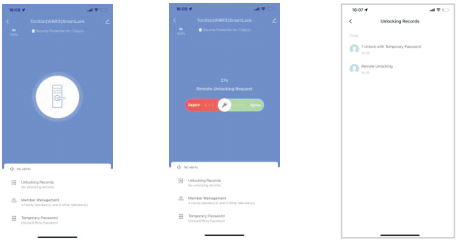
9. How does the smart lock connect to the tuya app? （Suitable for model: 610 & 620 Tuya）

① Open your mobile phone and scan the following QR code to download the app.

② After registering the user, select Lock "Wi-Fi" in "security & sensor" and connect WIFI according to the software instruction. (only support Wi-Fi network of 2.4G band), operate the smart lock to enter main menu to active connection mode (when entering main menu, the blue light will start flashing), then connect the smart lock to the network.

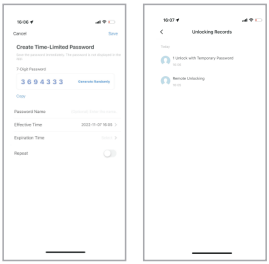
10. Remote unlock function

① Ensure that the WIFI module has been connected to the cloud, and the APP can view the device.
② Press "9" + "#" on the door lock to wake up the Tuya module, and the module indicator will light up.
（Some door locks wake up the module when they are touched, you do not need to press 9#, please operate according to the actual situation).
③ Wait for the module to be connected to the cloud. On the home page of the APP interface, the button "Click to open the door remotely" will appear. After clicking, it will confirm whether to unlock or not.
④ After confirming the unlocking, the door lock will be unlocked, and the APP side will report the remote unlocking record (Note: There is no record reporting in the initialization state, and a user needs to be entered before the door opening record can be reported).



11. Remote dynamic password

① Make sure that the wireless module has been detected at the door lock end, and check the detection information when it is powered on;
② Ensure that the time of the door lock is accurate with the Beijing time. If the door lock time is not set, please manually enter the administrator setting interface to set the correct time (Note: For some devices without a screen that do not have time to display or broadcast, this step can be ignored)
③ Click "click to get" under the remote dynamic password on the APP side to get the password;
④ Press "9" + "#" on the door lock to wake up the Tuya module, and the module indicator will light up.
(Some door locks are in the touch-to-wake mode)
⑤ Enter the dynamic password, after the verification is successful, the door lock will be unlocked, and the unlock record will be reported.
Note: The dynamic password will change every 5 minutes, and each password can be unlocked unlimited times.



12. Temporary password

① Similar to the dynamic password, first ensure that the wireless module has been detected at the door lock end and the time has been calibrated;

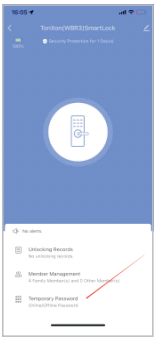
② Create a temporary password on the APP side, enter the password, name and valid time, and "to be issued" will be displayed after creation;

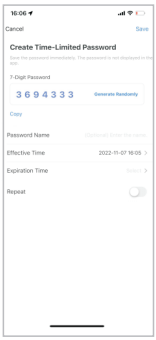
③ Press "9" + "#" on the door lock to wake up the Tuya module, and the module indicator will light up. (Some door locks wake up the module when they are touched, you do not need to press 9#, please operate according to the actual situation).

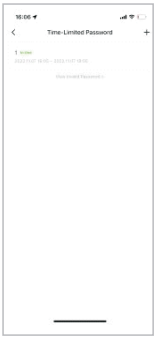
④ Wait for the connection to be connected. After connecting to the Internet, the temporary password of the cloud will be obtained. The status of the temporary password will change from "to be issued" to "in use", and it can be used.

⑤ Enter the temporary password, after the verification is successful, the door lock will be unlocked and the door opening record will be reported. (Note: Unlike the dynamic password, there is no need to wake up the module and then enter the password)

Note: The temporary password can be unlocked unlimited times within the valid period.







13. FAQ

Q:how to trigger remote unlocking?

A: When the module is connected to the cloud, there will be a waiting time of about 30S for remote unlocking. The trigger mechanism is: wake up the module (some of the lock panels are touched to wake up the module, and some are to press "9" + "#" to wake up) → After connecting to the cloud, the APP displays "click to unlock", which means that the remote unlocking function is not available.

Q: What functions do ordinary users have?

A: The door lock is unlocked remotely, viewing the alarm information, opening the doorlog, dynamic password unlocking, temporary password unlocking, and setting the hijacking alarm number.

Q: Why is the temporary password still in the state of being issued after the temporary password is set? Why can't the dynamic password be turned on?

A: After the temporary password is set on the APP side, you need to wake up the module (similar to remote unlocking). After the module is connected to the Internet, it will send the temporary password to the door lock side to unlock it. To create and delete a temporary password, you need to connect to the Internet once before it can be synchronized to the door lock. The dynamic password is the same, it needs to wake up the module before it can be used. Some door locks are awakened by touching the keyboard, and some are awakened by pressing 9#.

Q: How to set up anti-hijacking function?

A: Open the door lock page and click "Member Management 1" Member 1 to be set "Edit 1" Add the fingerprint, password or card to be set 1 "Open the hijacking button", after the setting is completed, use the corresponding fingerprint, password or card. Open the lock, and other family members will receive the hijacked message on the APP.

Q: Why is the APP not displayed when a user is added to the door lock side?

A: The Tuya WIFI module currently used in the lock does not support synchronizing the user information of the door lock.

Q: Does the WIFI module have time synchronization function?

A: Yes, the method of time synchronization is to unlock the door arbitrarily once, and a time synchronization will be performed after about 15 seconds to synchronize the time of the door lock.

Q: How to know the working status of the WIFI module?

A: Observe the indicator light. Module working status light prompt:
Connected to the cloud: always on
Entering the distribution network state: fast flash (50ms)
The network has been configured and is connecting to the cloud: Slow flash (100ms)

14.Technical Parameters

Technical Parameters			
	Items	Parameters	Memo
1	Quiescent current	≦50uA	
2	Dynamic current	≦180mA	
3	Administrators' number	3	
4	Fingerprint number	50	
5	Number of Password storage	100	
6	Number of Card storage	110	
7	Fingerprint contrast time	≦0.6Second	
8	Fingerprint scanner	semiconductor	
9	Fingerprint identification Angle	360°	
10	True Rejection Rate	≦0.15%	
11	Recognition Rate	≦0.00004	
12	Reaction time	≦0.5 Second	
13	Power type	6V	
14	Emergency powering	5VDC	
15	Working temperature	-25℃~60℃	
16	Working Relative Humidity	5%~95%RH	
17	KBD	Touch standard 12-bit keyboard	
18	Password Length	6bit	
19	Phantom password	16bit	
20	Low voltage alarm	4.8±0.2V	
21	Unlock time	≦1Second	
22	Human voice	Yes	
23	Power supply	4.5~6.5V(4pcs AAA batteries),up to 182days working time (unlock 10 times/day)	

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.

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

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 guidelines, This equipment should be installed and operated with minimum distance between 20cm the radiator your body: Use only the supplied antenna.