

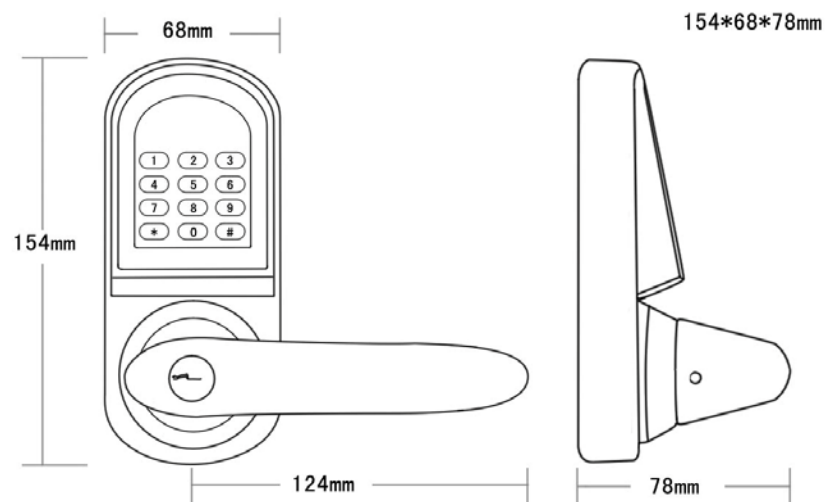
Bluetooth Lock User Manual



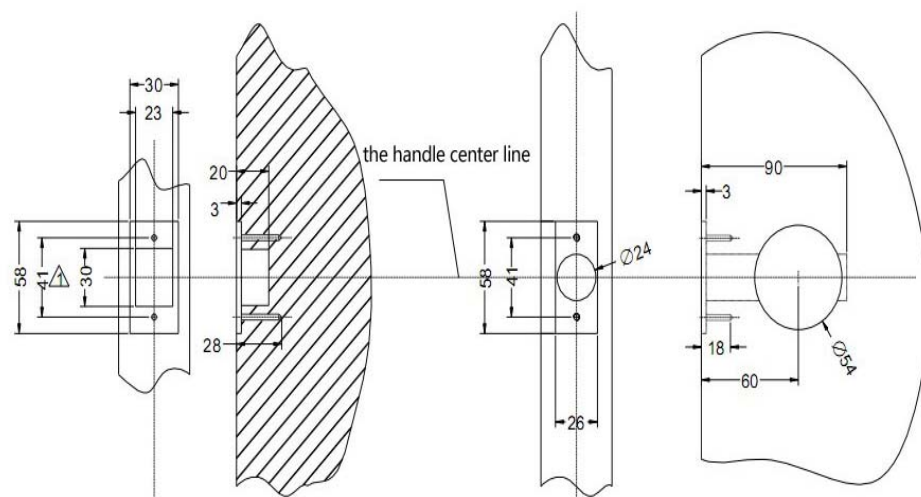
Version: V20161107

1. INTRODUCTION		
	Dimension	154*68*78mm
	Material	Zinc Alloy
	Weight	2.3Kgs
1-1 . Specifications Latch length can be adjusted as 60mm or 70mm		
Communication mode		Bluetooth 4.0ble
Unlocking way		Bluetooth, Code, Mechanical key
Support System		Android 4.3 / IOS 7.0 above
Unlock time		≈ 1.5 sec
Power supply		4pcs AA batteries
Static current		≤30uA
Working current		≤200mA

1-2. Dimensions



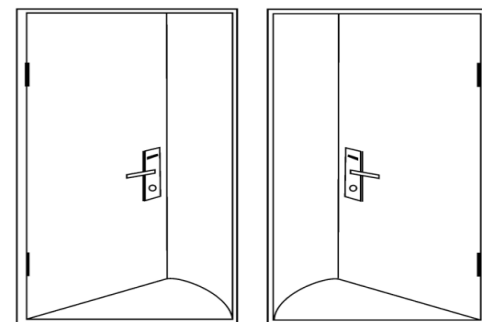
1-3. Door drill hole map



2. INSTALLATION GUIDE

2-1. Installation condition

- Door frame $\geq 110\text{mm}$
- Door thickness: 38-48mm, over 50mm doors spare parts need custom made
- To install the lock for right side handling, ensure the toggle button on the back assembly is set to R.
- To install the lock for left side handling, ensure the toggle button on the back assembly is set to L.



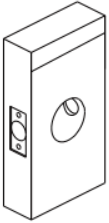
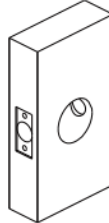
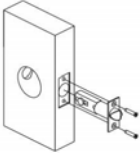
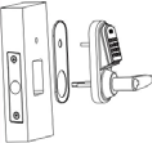
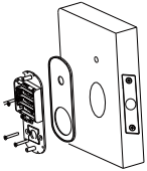
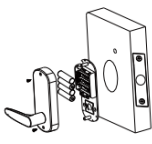
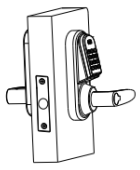
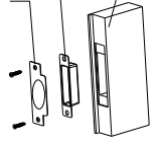
Left-handle
(open into room)

Right-handle
(open into room)

2-2. Installation tools



2-3. Installation instructions step by step

	1. Line drawing 1-1. Draw a horizontal center line inside and outside the door at 1 m from the ground. 1-2. Fold the hole template, make the Handle center line align at the door horizontal center line, then draw out the hole lines at front and side.		2. Hole drilling Make out the holes for lock panel and the mortise lock according to the drill hole map.
	3. Mortise lock installation 3-1. Hold the mortise lock into the side hole, using 2 pcs of Fa5*20 Screws fix to the door.		4. Front panel installation 4-1. Cover the waterproofing rubber mat to the front panel. 4-2. Make the Square shaft hole on the panel aim at the mortise lock. 4-3. Fix the front panel to the door.
	5. Back panel installation 5-1. Cover the waterproofing rubber mat to the back panel, connect the 2P plug from the front panel to the battery box. 5-2. Fix the back panel to the door by using 3 fixing screws.		6. Battery installation Correctly Install 4 pcs of AA alkaline cell.
	7. Debugging after installation 7-1. Turn the handle, check the flexibility of both handle. 7-2. Insert the mechanical key, clockwise to open the door, check if the key work normal. 7-3. Following the User operation instruction to test the card and code function.		8. Door holder installation. 8-1. Get the door and door frame close, Get the door and door frame close, to draw out the position of the latch and the hole position on door frame. 8-2. Input the buckle box and striking plate to the door holder hole in order, fix them by 2 pcs of Fa5*20 screws. 8-3. Check if all the latches are fully extended out after closing door

3. Operating Instruction

- Project Debugging Code: 0** (After the 4 pcs of AA battery installed, without any setting, press "0" then "#" open the door directly. After setting, the Debugging Code of "0" automatic invalid.)
- After locks debugging finished, the owner must modify the Master code, and set the new Master code.
 - Master code: To add and delete the Guest Code User or the Card User.
The Master code can't open the door.
 - The initial Master code: **123456**
 - Master code should be 4-8 digits.
 - Preparing work before modify Master code:

2.41 Recover the Master code:

Operating steps	Locks presentation
Use screwdriver loosen the back panel of the 2 screws, disboard the back panel, press the button under the battery box for 10 seconds.	Sound one "beep" and red light flash, " After 10 second, "beep" 2 times, and blue light flash, succeed recover the Master code of 123456.

Note: This operation will clear all the users added before.

2.42 Prepare the New Master Code, 4-8 digits (eg.: 12345678)

2.5 Modify the Master code (11#)

	Operating steps	Locks presentation
1	Press "#" to start the lock	"beep" 2 times, blue digit button background light, and the inductive place blue light flash.
2	Input the Initial Master code: 123456, then "#"	Lock status as above
3	Within 10 seconds (before the indicator light extinguish) input "11" then "#"	Lock status as above
4	Input the New Master Code (4-8 digits) then "#"	Lock status as above
5	Input the New Master Code again, then "#"	"beep" 4 times, indicator light extinguish, New Master Code set succeed.

3. Add Normal User (01#)

- At most can set **200 Users**, include the Code User, Card User, Code&Card User.
- Set the User Group before add the Normal User, each Group stand for one User.
Group No. 3 digits, from 001 to 200, and groups can't reuse.

Master Code # / Program Code # / Group No. # / Guest Open Door Code # /

3.3. Add the Code User.

3.31 Preparing work before add the Code User:

3.311. Write down the User Group (**001-200**)

3.312. Write the Guest Code. (4-8 digits)

3.313. User Group should correspond the Guest Code. Can't set several Guest Code under one Group, nor the

Same Guest Code under different Groups.

	Operating steps	Locks presentation
1	Press “#” to start the lock	“beep” 2 times,blue digit button background light,and the inductive place blue light flash.
2	Input the “ Master Code ” then “#”	Lock status as above
3	Within 10 seconds(before the indicator light extinguish) input “01” then “#”	Lock status as above
4	Within 10 seconds(before the indicator light extinguish) input “ Group No. ” then “#” (Group No. can't reuse.	Lock status as above
5	Within 10 seconds indicator light extinguish,input the“ Guest Code ” then “#”	Lock status as above
6	Press “#” 2 times.	First “#” “beep” 2 times, status as above Second”#” “beep” 3 times,Gust Code User added succeed.
7	After 15 seconds, or press”#”, Exit	Long time of “”beep” indicator light extinguish.

Under this Mode,use the **Guest Code** to open the door directly.

Open door operation :

	Operating steps	Locks presentation
1	Input “ Guest Code ” then “#”	Digit button background blue light, indicator blue light,with one”beep” Lock motor sound of opening,turn the handle to open
2	After 5 seconds	“beep” 2 times,red light flashes 2 times, lock the door,and the indicator light extinguishes.

3.5. Add the Card User.

3.51 Preparing work before add the Card User:

3.511 Write down the User Group (**001-200**)

3.512 Prepare the Mifare Card.

3.513 User Group should correspond the Card. Can't set several cards under one Group,nor the Same card under different Groups.

	Operating steps	Locks presentation
1	Press “#” to start the lock	“beep” 2 times,blue digit button background light,and the inductive place blue light flash.
2	Input the “ Master Code ” then “#”	Lock status as above
3	Within 10 seconds(before the indicator light extinguish) input “01” then “#”	Lock status as above
4	Within 10 seconds(before the indicator light extinguish) input “ Group No. ” then “#” (Group No.	Lock status as above

	can't reuse.	
5	Within 10 seconds indicator light extinguish,get the “ Card ” close to the inductive place,then “#”	Lock status as above
6	Press “#” 2 times.	First “#” “beep” 2 times, status as above Second”#” “beep” 3 times,Gust Code User added succeed.
7	After 15 seconds, or press”#”, Exit	Long time of “”beep” indicator light extinguish.

Under this Mode,use the **Card** to open the door directly.

Open door operation :

	Operating steps	Locks presentation
1	Get the Card close to the inductive place.	Digit button background blue light, indicator blue light,with one”beep” Lock motor sound of opening,turn the handle to open
2	After 5 seconds	“beep” 2 times,red light flashes 2 times, lock the door,and the indicator light extinguishes.

3.6. Add Code&Card User

3.61Preparing work before add the Code&Card User:

3.611Write down the User Group (**001-200**)

3.612. Prepare the Card,and Code.

3.613.User Group should correspond the Guest Code&Card.Can't set several Guest Code&Card under one Group,nor the Same Guest Code&Card under different Groups.

	Operating steps	Locks presentation
1	Press “#” to start the lock	“beep” 2 times,blue digit button background light,and the inductive place blue light flash.
2	Input the “ Master Code ” then “#”	Lock status as above
3	Within 10 seconds(before the indicator light extinguish) input “01” then “#”	Lock status as above
4	Within 10 seconds(before the indicator light extinguish) input “ Group No. ” then “#” (Group No. can't reuse.	Lock status as above
5	Within 10 seconds indicator light extinguish,input the“ Guest Code ” then “#”	Lock status as above
6	Within 10 seconds indicator light extinguish,get the “ Card ” close to the inductive place,then “#”	Lock status as above
7	Press “#” 2 times.	First “#” “beep” 2 times, status as above Second”#” “beep” 3 times,Gust Code User added succeed.
8	After 15 seconds, or press”#”, Exit	Long time of “”beep” indicator light extinguish.

Note:Set the Code first,then the Card.

Under this Mode, use the **Card** together with the **Code** to open the door.

Open door operation :

	Operating steps	Locks presentation
1	Get the "Card" close to the inductive place.	"beep" 2 times,blue digit button background light,and the inductive place blue light flash.
2	Input the "Guest Code" then "#"	Digit button background blue light, indicator blue light,with one"beep" Lock motor sound of opening,turn the handle to open
3	After 5 seconds	"beep" 2 times,red light flashes 2 times, lock the door,and the indicator light extinguishes.

Note: Guest Code and the Card,no matter which first.

4. Normal User Block up,Start using,and Delete

4.1.Normal User Block up : (02#)

	Operating steps	Locks presentation
1	Press "#" to start the lock	"beep" 2 times,blue digit button background light,and the inductive place blue light flash.
2	Input the "Master Code" then "#"	Lock status as above
3	Within 10 seconds(before the indicator light extinguish) input "02" then "#"	Lock status as above
4	Within 10 seconds(before the indicator light extinguish) input "Group No." then "#" (Group No. which u wish to Block up)	"beep" 2 times,blue digit button background light,and the inductive place blue light flash. Block up User succeed.
5	After 15 seconds, or press "#" , Exit	Long time of ""beep" indicator light extinguish.

Note: You can Block up several Users at one time.

4.2. Normal User Start using. (03#)

	Operating steps	Locks presentation
1	Press "#" to start the lock	"beep" 2 times,blue digit button background light,and the inductive place blue light flash.
2	Input the "Master Code" then "#"	Lock status as above
3	Within 10 seconds(before the indicator light extinguish) input "03" then "#"	Lock status as above
4	Within 10 seconds(before the indicator light extinguish) input "Group No." then "#" (Group No. which u wish to Start using)	"beep" 2 times,blue digit button background light,and the inductive place blue light flash. Appointed User Start using succeed.
5	After 15 seconds, or press "#" , Exit	Long time of ""beep" indicator light extinguish.

Note: You can Start several Users using at one time.

4.3 Normal User Delete: (44#)

	Operating steps	Locks presentation
1	Press "#" to start the lock	"beep" 2 times,blue digit button background light,and the inductive place blue light flash.
2	Input the "Master Code" then "#"	Lock status as above

3	Within 10 seconds(before the indicator light extinguish) input "44" then "#"	Lock status as above
4	Within 10 seconds(before the indicator light extinguish) input "Group No." then "#" (Group No. which you wish to Delete)	"beep" 2 times,blue digit button background light,and the inductive place blue light flash. Appointed User Delete succeed.
5	After 15 seconds, or press "#" , Exit	Long time of ""beep" indicator light extinguish.

Note: You can Delete several Users at one time.

5. Add Single Use Code User & Delete

5.1 Add Single Use Code User (33#)

	Operating steps	Locks presentation
1	Press "#" to start the lock	"beep" 2 times,blue digit button background light,and the inductive place blue light flash.
2	Input the "Master Code" then "#"	Lock status as above
3	Within 10 seconds(before the indicator light extinguish) input "33" then "#"	Lock status as above
4	Within 10 seconds(before the indicator light extinguish) input "Group No." then "#" (Group No. can't reuse.	Lock status as above
5	Within 10 seconds indicator light extinguish,input the "Single Use Code" (4-8 digits) then "#"	Lock status as above
6	Press "#" 2 times.	First "#" "beep" 2 times, status as above Second "#" "beep" 3 times,Gust Code User added succeed.
7	After 15 seconds, or press "#" , Exit	Long time of ""beep" indicator light extinguish.

5.2 Delete Single Use Code User (23#)

	Operating steps	Locks presentation
1	Press "#" to start the lock	"beep" 2 times,blue digit button background light,and the inductive place blue light flash.
2	Input the "Master Code" then "#"	Lock status as above
3	Within 10 seconds(before the indicator light extinguish) input "23" then "#"	Lock status as above
4	Within 10 seconds(before the indicator light extinguish) input "Group No." then "#" (Group No. which you wish to Delete)	"beep" 2 times,blue digit button background light,and the inductive place blue light flash. Appointed User Delete succeed.
5	After 15 seconds, or press "#" , Exit	Long time of ""beep" indicator light extinguish.

4. Encryption

This function is aimed at preventing codes being observed while being entered.

Step 1.

Enter any sequence of the digits to confuse the observer.

Step 2.

Enter the user code, followed by the “#”.

Example:

User code is “87373557”.

Enter any digits to confuse the observer: 31126405

Enter the original user code: 87373557 and press “#”

Program Code No.:

	Code No.	Function
1	11	Modify Master Code
2	01	Add Normal User
3	02	Block up Normal User
4	03	Start Using Normal User
5	23	Delete Single Use Code User
6	33	Add Single Use Code User
7	44	Delete Normal User

5. FEATURES

Master Bluetooth Key: The Bluetooth lock unlocks with Bluetooth via the app.

Master Code: The Bluetooth lock unlocks with a permanent Master code.

User Code: The mobile app can generate up to 300 codes, with validity duration from One Time, Permanent, or a range from 5 minutes to 180 days.

Wrong Code Entry Limit: After 5 unsuccessful attempts at entering a code, the Bluetooth lock will be unresponsive for 5 minutes. Mechanical key and Bluetooth lock Unlock can be used to unlock in this state.

Time Auto lock: After successfully unlocking, the Bluetooth lock will be automatically locked after a period of time (between 5 to 120 seconds). The owner sets this function.

Simple Locking: Press # key for 2 seconds to lock the Bluetooth lock.

Lower Battery Consumption: 4pcs AA batteries can provide 5000 openings (approx. 6 months)

Lower Battery Indicator: When battery power is low, the Bluetooth lock will emit low battery warning sound. The battery level will also be updated on the app during Bluetooth unlock. If battery power runs out, use 9V backup battery or mechanical key.

Cloud Backup of Master Bluetooth Key: Master Bluetooth key is tied to users account instead of phone so any phones logged in to user account can be used to unlock.

Easy Unlock: When activated, simply open the application and tap any number on the lock to unlock (the phone and lock should be within the range of 1-2m)

Decoy Code: 8 decoy digits can be entered prior to the actual code to prevent the code from being exposed.

6. PROGRAMMING BLUETOOTH

6-1. Ready work to the phone

1) Android mobile phone, please scan the QR code as below.

2) Apple mobile phone, please search “TTlock” from App Store.



3) Register a new account or login with an existing account on app.

4) Remove one piece battery, touch keyboard and then put back the battery immediately.

5) Press “#” button in 3-5 seconds, the lock beeps two times “Di Di”.

6) Open APP, select "Discover" - "Home lock". Choose a device and connect

6-2. Setting master code (must be done within close range of lock)

1. Once user account is paired to the phone, go to the lock info page

2. Click on change master code

3. Enter the new master code between 7-10 digits. Re-enter new master code in the second line and click submit

4. Within 2 seconds, press any key on your lock

6-3. Adding new user code (can be done remotely)

1. Go to the lock info page. Click on the create code, select one time or permanent code

2. On your lock info page, under list of codes you should see the new user code

6-4. Removing used codes from APP view (can be done remotely)

1. Go to the lock info page. Under list of codes, locate the user code you would like to delete

2. Click on the “...” next to the code and select Remove from list

6-5. Resetting lock (must be done within close range of lock)

1. Go the lock info page. Click on remove all codes and OK.

2. Lock will reset all codes except for master code and all user codes previously generated are no longer valid

6-6. Activating auto lock (must be done on lock keypad)

To set auto lock

Enter *21 # Master code # duration (between 5-120 seconds) #

To cancel auto lock

Enter *20 # Master code #