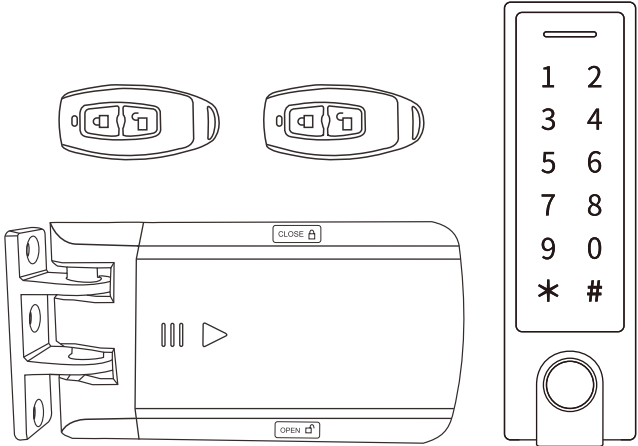# Wireless
Fingerprint DIY Lock Kit

User Manual

INTRODUCTION

This is a wireless fingerprint lock kit. It consists of a Wireless Fingerprint Keypad, a Wireless Lock, two Remote Transmitters. Super strong 3M stickers provide simple installation way. TEA+Rolling Code of encryption algorithm and the split design guarantee higher-secure.

The capacity of this kit is 1000 users (100 FPs + 900 PINs / Cards). Because of ultra low power consumption, the kit can work as long as half a year (bases on 30 times/day). It will remind people to replace batteries intelligently if low battery.
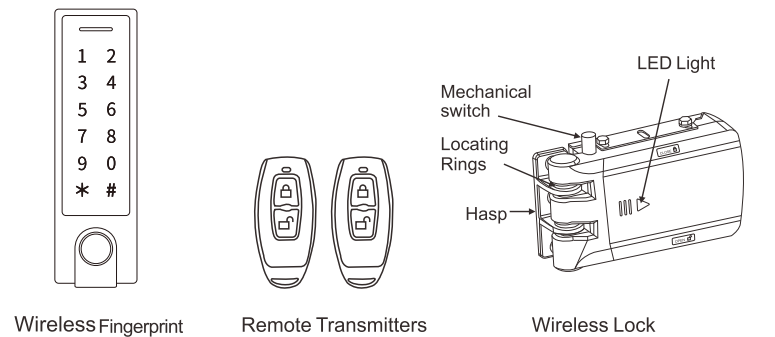
Common Features:

· 1000 users (including 100 FP users + 900 PIN / Card users)
· Support 10 visitor (PIN/Card) users
· 4-6 digits PIN, 125 KHz EM Card
· With two Remote Transmitters
· 433MHz Rolling Code technology
· Communication distance: 20m Max
· Ultra low power consumption

Specifications:

User Capacity	1000
Common User	990(100 Fingerprint + 890 PIN/Card Users)
Visitor User	10
PIN Length	4-6 Digits
Card Type	125KHz EM Card
Operating Voltage	
Wireless Fingerprint Keypad	3 units of AAA batteries
Wireless Lock	2 units of AA batteries
Remote Transmitter	1 unit of 2023 Lithium battery
Idle Current	All items ≤25uA
Working Current	
Wireless Fingerprint Keypad	>35mA
Wireless Lock	≤60mA
Remote Transmitter	≤3mA
Communication Frequency	433MHz
Communication Frequency	20m Maximum
Operating Temperature	
Wireless Fingerprint Keypad	-25°C~+60°C(-13°F~+140°F)
Wireless Lock	-20°C~ +60°C (-4°F ~ +140°F)
Operating Humidity	0%~86%RH
Physical	
Wireless Lock	Zinc-Alloy
Wireless Fingerprint Keypad	Zinc-Alloy (IP65)
Others	ABS
Dimensions	
Wireless Fingerprint Keypad	L148×W43.5×D22(mm)
Wireless Lock	L150×W83×D38(mm)

· 01 ·

Remote Transmitte	L62*W30*D11.5(mm)
Unit Weight	
Wireless Fingerprint Reader	300g
Wireless Lock	800g
Remote Transmitter	25g/pc
Shipping Weight	1150g

Major Parts

Wireless Fingerprint   Remote Transmitters   Wireless Lock
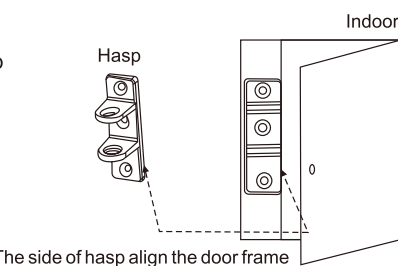
INSTALLATION

Method 1: Stick by 3M stickers
The device packed with 3M double-side stickers, can easily stick the Wireless Keypad and Wireless Lock on smooth surface (We used high-quality 3M stickers, the stickiness will be the best after sticking in 24 hours).

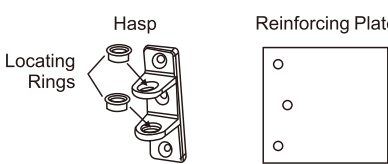Below introduction for how to install Wireless Lock intensively:

Attentions of installing the Hasp
Confirm the direction and position of Hasp, meanwhile, make sure the Hasp align the doorframe.
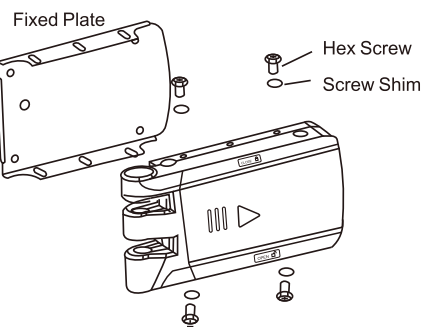(So please make sure the direction of Hasp is fit for main body of lock before installation.)

The side of hasp align the door frame

· 02 ·

Installing the Hasp
Put the Locating Rings into Hasp, and stick the 3M sticker at the back side of Hasp (You can screw the hasp on the Reinforcing Plate if needed, then stick 3M sticker at the back of plate. It can increase the stick area to make the Hasp stronger).

Installing the main body of lock
Fix the main body of lock and the Fixed Plate by M5*6 hex screws in the packaging, and stick the 3M sticker on the back of Fixed Plate.
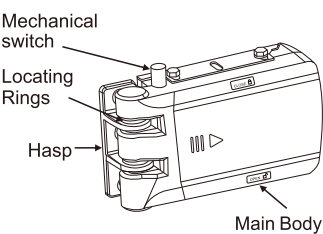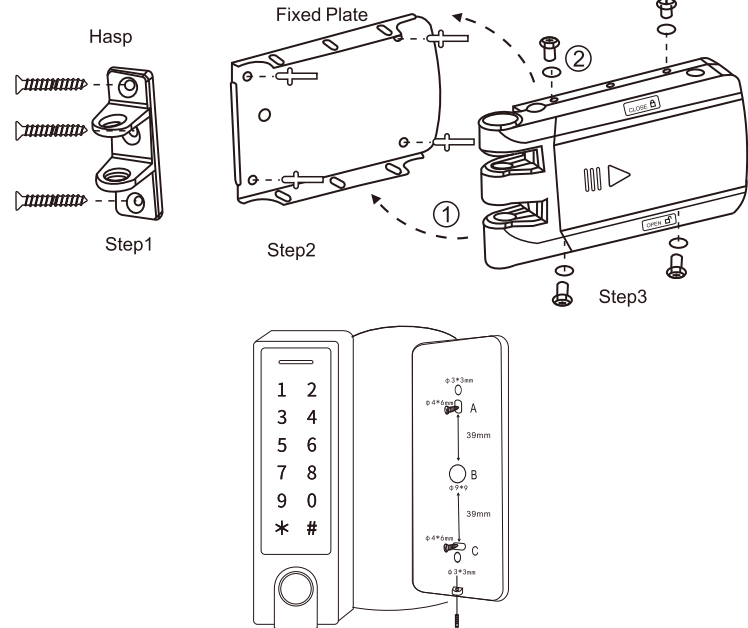

Combining the lock
Press the Mechanical Switch on the main body of lock to open the lock mechanically, and match the Hasp. Make sure it can be combined with Hasp perfectly, then stick the mail body of lock on the door.

Note: Mechanical Switch, it is used for installation and equipment trouble, please don't press it often in the normal condition.
When press the Mechanical Switch, the lock will be unlock all the time until open the door one time by valid card, or valid PIN, or touch the close icon on the Lock, or unlock button on Remote Transmitter.

· 03 ·

Method 2: Install by screws

PROGRAMMING

Enter and Exit Program Mode

Programming Step	Keystroke Combination
1. Enter Program Mode	* (Master Code) # (Factory default is 123456)
2. Exit	*

Set Master Code

Please do remember your Master Code because the Master Code can't be reset if forget it.

Programming Step	Keystroke Combination
1. Enter Program Mode	* (Master Code) #
2. Update Master Code	0 (New Master Code) # (Repeat New Master Code) # Master code is any 6 digits
3. Exit	*

Simplified Instruction

Function description	Operation
Enter the Program Mode	* (Master Code) # (123456 is the factory default master code)
Change the Master Code **IMPORTANT NOTE: Please remember the New Master Code as it can't be reset to default if forgotten**	0 (New Code) # (Repeat New Code) # (code: 6 digits)
Add Fingerprint Users Add Card Users Add PIN Users	1 (Fingerprint 3 times) # 1 (Read Card) 1 (PIN) #
Delete Users Delete ALL Users	2 (Fingerprint / Read Card / PIN) # 2 (Master Code) #
Exit from the Program Mode	*
How to release the door	
PIN Access	PIN #
Card Access	# (Read Card)
Fingerprint Access	Input Fingerprint
By Remote Transmitter	Press 🔓
By Wireless Lock	Touch OPEN 🔓
Lock Immediately	
By Keypad	Press "0 #"
By Remote Transmitter	Press 🔒
By Wireless Lock	Touch CLOSE 🔒

· 04 ·

Add Fingerprint Users
User ID: 0~98, 99 is Master Fingerprint ID

Programming Step	Keystroke Combination
1. Enter Program Mode	* (Master Code) #
2. Add FP: Using Auto ID (Allow to assign FP to next available User ID number) **OR**	1 (Fingerprint 3 times) #
2.Add FP: Select Specific ID (Allow Master to to define a Specific User ID to associate the FP)	1 (User ID) # (FP 3 times) # The users can be added continuously
3. Exit	*

Add PIN(s) Users
User ID: 100~899
PIN length: 4~6 digits

Programming Step	Keystroke Combination
1. Enter Program Mode	* (Master Code) #
2. Add PIN: Using Auto ID (Allow to assign PIN to next available User ID number) **OR**	1 (PIN) # The users can be added continuously
2. Add PIN: Select Specific ID (Allow Master to to define a Specific User ID to associate the PIN)	1 (User ID) # (PIN) #
3. Exit	*

Add Card(s) Users
User ID: 100~899
Card type: 125 KHz EM Card

Programming Step	Keystroke Combination
1. Enter Program Mode	* (Master Code) #
2. Add Card: Using Auto ID (Allows to assign Card to next available User ID number) **OR**	1 (Read Card) # The cards can be added continuously.
2. Add Card: Select Specific ID (Allow Master to define a Specific User ID to associate the card)	1(User ID) # (Read Card) #
3. Exit	*

· 05 ·

Add Visitor Users (Valid for Card / PIN Users)
(User ID number is 990-999; PIN length: 4~6 digits)
There are 1o groups Visitor PIN/card available, the users can be specified up to 10 times of usage, after a certain number of times, i.e, 5 times, the PIN / card become invalid automatically.

Programming Step	Keystroke Combination
1. Enter Program Mode	* (Master Code) #
2. Add Card **OR**	1 (User ID) # (0~9) # (Read Card)
2. Add PIN	1 (User ID) # (0~9) # (PIN) # (0~9 means times of usage, 0=10 times)
3. Exit	*

Add / Delete Master Fingerprint / Card
There is ONLY 1 Master Fingerprint and 1 Master Card.
If there's new Master Fingerprint or Master Card added, it will automatically replace the old one.

Programming Step	Keystroke Combination
1. Enter Program Mode	* (Master Code) #
2. Add Master FP / Card	4 (Input Fingerprint 3 times) / (Read Card)
3. Detele Master FP / Card	4 0000 # (This step will delete both Master FP & Master Card)
4. Exit	*

Master Fingerprint / Card Usage

Using Master Fingerprint / Card to add and delete users	
1. Enter Program Mode	* (Master Code) #
Add Fingerprint / Card / PIN Users	1. Input (Master Fingerprint / Card) 2. Input (Fingerprint three times) or (Card) or (PIN #) Repeat step 2 for additional users 3. Input (Master Fingerprint / Card) again
Delete Fingerprint / Card / PIN Users	1. Input (Master Fingerprint / Card Twice within 5s) 2. Input (Fingerprint) or (Card) or (PIN #) Repeat step 2 for additional users 3. Input (Master Fingerprint / Card) again
4. Exit	*

· 06 ·

Delete Users

Programming Step	Keystroke Combination
1. Enter Program Mode	* (Master Code) #
2. Delete user - By Fingerprint / Card / PIN 2.Delete user - By ID number **OR**	2 (Input Fingerprint) / (Read Card) / (Input PIN) # The users can be deleted continuously. 2 (User ID) #
2.Delete ALL users	2 (Master Code) #
3. Exit	*

Set Access Mode

Programming Step	Keystroke Combination
1. Enter Program Mode	* (Master Code) #
2. Fingerprint Access **OR**	3 0 #
2. Card Access **OR**	3 1 #
2. PIN Access **OR**	3 2 #
2.Fingerprint or Card or PIN Access **OR**	3 (3) # (factory default)
2. Multi User Access	3 3 (2~9) #
3. Exit	*

Set Audible and Visual Response

Programming Step	Keystroke Combination
1. Enter Program Mode	* (Master Code) #
2. Disable Sound Enable Sound **OR**	5 0 # 5 1 # (factory default)
2. Keypad Backlit Always OFF Keypad Backlit Automatically OFF **OR**	5 2 # 5 3 # (Automatically OFF after 3 seconds) (factory default)
2. Disable FP Sensor Light Enable FP Sensor Light	5 4 # 5 5 # (factory default)
3. Exit	*

· 07 ·

OTHERS

User Operations

Programming Step	Keystroke Combination
PIN User Access	(PIN) #
Card User Access	# (Read Card)
Fingerprint User Access	(Input Fingerprint)

How to Open & Close the lock when the user is inside the door?

Programming Step	Ways
Open the lock	Touch OPEN 🔓 on the lock
Close the lock	Touch CLOSE 🔒 on the lock
By Remote Transmitter	Press 🔒 / 🔓

Lock Immediately
The Wireless Lock will be locked automatically around 5 seconds after openning.
If need lock it faster, please press "0 #" on the Keypad, or press "🔒" on the Remote Transmitter, or touch " CLOSE 🔒 " on the Wireless lock, it will lock immediately.

Pair Wireless Fingerprint Keypad / Remote Transmitter with Wireless Lock
(They are already paired when out of factory, if no problem, the users do not need to do this operation in using.)

Note: 1. The Wireless Lock can pair 16 parts (Fingerprint Keypad + Remote Transmitter) maximum.
2. When pairing, all parts must be paired, then exit pairing mode. If need adding one more part, you still need to pair all parts again.

Step 1: Enter pairing mode
Open the battery cover of Wireless Lock, press the small round button left of battery with a slender rod, hold it for 3 seconds until hearing one long beep and two short beeps, that means in the pairing status.

Step 2: Pairing Wireless Fingerprint Keypad
Press the button "0 #" on the Fingerprint Keypad, there will be one beep from Lock, that means pairing successfully.

· 08 ·

Step 3: Pairing Remote Transmitter
Press any button on the Remote Transmitter, there will be one beep from Lock, that means pairing successfully.

Step 4: Exit pairing mode
After pairing all parts, press the small round button in the Wireless Lock again, hold it until hearing one beep, that means exit pairing successfully. Or it will exit pairing mode automatically 15 seconds later if there is no operation.

Auto-lock or Non-auto-lock
The device will be automatically locked after 5 seconds in default. If the users don't want the lock auto-lock. It can be programmed manually.

Open the battery cover of the wireless lock, press the small round button above the LED indicator, hold it for 1.5 seconds, LED shines RED, means it switched to Non-auto-lock; hold it for another 1.5 seconds, LED shines BLUE, means it switched to Auto-lock.

Packing List

Name	Quantity
Packaging box	1pc
Wireless Fingerprint Keypad	1pc
Wireless Lock	1pc
Remote Transmitters	2pcs
Manual	1pc
Screw Driver	1pc
Wall Fixing Plus	4pcs
Self Tapping Screws	4pcs
Accessories of Wireless Lock	4sets
3M Stickers	4pcs

· 09 ·

Sound and Light Indication

Device	Operation Status	Red LED	Green LED	Buzzer
Fingerprint Keypad	Standby	— —	— —	— —
	Enter into program mode	Shines per 1.5 seconds	— —	One beep
	Unlock the lock	— —	ON for 3 seconds	One beep
	Press key	— —	— —	One beep
	Wrong operation	— —	— —	Three beeps
	Invalid PIN/card	— —	— —	Three beeps
	Exit from the program mode	— —	ON for 1 seconds	One beep
	Low battery reminding	Orange LED ON		Three beeps when press any button
Lock	Pairing	ON		One long beep
	Unlock the lock	ON for 1 second	— —	Two beeps
	Lock	ON for 1 second	— —	One beep
	Low battery reminding	LED shining, and beeps (Note: The lock will open automatically when the battery is too low or run out, please change the battery IN TIME!)		
Remote Transmitter	Press button	LED ON for 1 second		
	Low battery reminding	When the LED is dim, please change the battery		

· 10 ·