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INTRODUCTION	
The device is a single door multifunction standalone access controller or a Wiegand output reader. It uses Atmel MCU assuring stable performance. The operation is very user-friendly, and low-power circuit makes it long service life.	
The device supports 1,000 users (988 common users + 2 panic users + 10 visitor users), all user data can be transferred from one to another (except fingerprint users), it supports multi access modes in card access, PIN access, fingerprint access, card + PIN access, or multi cards (PINs) fingerprints access. It has extra features including block enrollment, interlock, Wiegand input & output interface, etc.	
Two Versions Optional: The device with Bluetooth function is optional The device with big user capacity is optional	
Features	
> Capacitive fingerprint sensor, Touch key	
> Metal case, anti-vandal	
> Waterproof, conforms to IP66	
> One relay, 1,000 users (988 common + 2 panic + 10 visitor)	
> PIN length: 4-6 digits	
> EM card, Mifare Card optional	
> EM card version: Wiegand 26-44bits input & output	
> Mifare card version: Wiegand 28-44bits, 56bits, 56bits input & output	
> Can be used as Wiegand reader with LED & buzzer output	
> Card block enrollment	
> Tri-color LED status display	
> Integrated alarm & buzzer output	
> Pulse mode, Toggle mode	
> User data can be transferred (except fingerprint users)	
> 2 devices can be interlocked for 2 doors	
> Built-in light dependent resistor (LDR) for anti-tamper	
> Backlit keypad, can set automatic OFF after 20 seconds	
Specifications	
User Capacity	1000
Common User	988 (100 Fingerprint + 888 Card/PIN Users)
Panic User	2
Visitor User	10
Operating Voltage	12-28V AC/DC
Working Current	≤150mA
Idle Current	≤60mA

Proximity Card Reader	EM or Mifare
Radio Technology	125KHz / 13.56MHz
Read Range	2-6 cm
PIN Length	4-6 digits
Wiring Connections	Relay Output, Exit Button, Alarm, Door Contact, Wiegand Input, Wiegand Output
Relay	One (NO, NC, Common)
Adjustable Relay Output Time	0-99 Seconds (5 seconds default)
Lock Output Load	24Vdc Maximum
Wiegand Interface	EM card version: Wiegand 26-44 bits input & output (Factory Default: Wiegand 26bits)
	Mifare card version: Wiegand 26-44bits, 56bits, 56bits input & output (Factory Default: Wiegand 28bits)
	4 bits, 8 bits (ASCII), 10 digits Virtual Number (Factory Default: 4 bits)
PIN Output	
Environment	Meets IP66
Operating Temperature	-30°C ~ 60°C (-22°F ~ 140°F)
Operating Humidity	0%RH~95%RH
Physical Colour	Zinc-Alloy
Dimensions	Silver & Black
Unit Weight	1.145 x W68 x D25 (mm) Wide
Shipping Weight	1.149 x W70 x D25 (mm) Wide
	500g (Wide) 455g(Ellipse)
	615g (Wide) 565g(Ellipse)
Carton Inventory	
	Diode 1N4004 (for relay circuit protection)
	Wall Anchors
	Self Tapping Screws: Φ4*25mm
	Screw Driver
	Master Card

INSTALLATION	
> Remove the back cover from the unit	
> Drill 2 holes(A,C) on the wall for the screws and one hole for the cable	
> Knock the supplied rubber bungs to the screw holes(A,C)	
> Fix the back cover firmly on the wall with a flat head screws	
> Thread the cable through the cable hole(B)	
> Attach the unit to the back cover	
Wiring	
Wire Color / Function	Notes
Red	AC/DC 12-28V AC/DC Regulated Power Input
Black	AC/DC 12-28V AC/DC Regulated Power Input
Pink	GND Negative Pole
Blue	Relay NO Normally Open Relay Output (install diode provided)
Purple	Relay Common Common Connection for Relay Output
Orange	Relay NC Normally Closed Relay Output (install diode provided)
Yellow	OPEN Request to Exit(REX) Input
Green	Data 0 Wiegand Output (Pass-through) Data 0
White	Data 1 Wiegand Output (Pass-through) Data 1
Grey	Alarm Output Negative contact for Alarm
Brown	Contact Input Door/Gate Contact Input (Normally Closed)

Sound and Light Indication	
Operation Status	LED Buzzer
Stand by	Red light bright
Enter into programming mode	Red light shines
In the programming mode	Orange light bright
Operation error	Three beeps
Exit from the Programming mode	Red light bright
Open lock	Green light bright
Alarm	Red light shines quickly
	Beeps
Basic Configure	
Enter and Exit Program Mode	Keystroke Combination
Enter Program Mode	* (Master Code) #
Exit Program Mode	*
Set Master Code	
Programming Step	Keystroke Combination
1. Enter Program Mode	* (Master Code) #
2. Update Master Code	0 (New Master Code) # (Repeat New Master Code) #
3. Exit Program Mode	*
Set the Working Mode	
Notes: The device has 3 working modes: Standalone Mode, Controller Mode, Wiegand Reader Mode, choose the mode you use. (Factory default is Standalone Mode / Controller Mode)	
Programming Step	Keystroke Combination
1. Enter Program Mode	* (Master Code) #
2. Standalone/Controller Mode	7 7 # (Factory default)
3. Wiegand Reader Mode	7 8 #
3. Exit	*

STANDALONE MODE	
The device can work as Standalone Access Control for single door. (Factory default mode) ~ 7 #	
Connection Diagram	
Common Power Supply	
Attention: Install a 1N4004 or equivalent diode is needed when use a common power supply, or the keypad might be damaged. (1N4004 is included in the packing)	
Access Control Power Supply	

Programming	
Programming will be very depending on access configuration. Follow the instructions according to your access configuration.	
Notes:	
> User ID number: Assign a user ID to the access fingerprint/ card/ PIN in order to track it.	
The Common User ID:	
- Fingerprint user ID: 0 ~ 98	
- PIN Card user ID: 100 ~ 987	
- Master Fingerprint User ID: 99	
- Panic User ID: 988~989	
- Visitor User ID: 990~999	
IMPORTANT: User IDs do not have to be proceeded with any leading zero. Recording of User ID is critical. Modifications to the user require the User ID to be available.	
> Proximity Card: Proximity Card: 125KHz EM card or 13.56MHz Mifare card	
> PIN: Can be any 4-6 digits except 8888 which is reserved.	
Add Common Users	
Fingerprint user ID: 0 ~ 98, PIN Card user ID: 100 ~ 987; PIN length: 4-6 digits except 8888	
Programming Step	Keystroke Combination
1. Enter Program Mode	* (Master Code) #
2. Add Fingerprint User	1 (Fingerprint) (Repeat Fingerprint) (Repeat Fingerprint again)
OR	1 (User ID) # (Fingerprint) (Repeat Fingerprint) (Repeat Fingerprint again)
3. Exit	*

Add Card User	
1. Using Auto ID (Allows the device to assign Card to next available User ID number)	
OR	2. Select Specific ID (Allows Manager to define a specific User ID to associate the card to)
OR	2. Add Card: Block Enrollment (Allows Manager to add up to 888 Cards to the Reader in a single step. Takes 2 minutes to program.)
1 (Read Card) / (Input 8/10/17 Digits Card Number) #	1 (User ID) # (Read Card) / (Input 8/10/17 Digits Card Number) #
1 (User ID) # (Read Card) / (Input 8/10/17 Digits Card Number) #	1 (User ID) # (Card Quantity) # (The First Card 8/10/17 Digits Number) #
1 (User ID) # (Card Quantity) # (The First Card 8/10/17 Digits Number) #	Card quantity = number of cards to be enrolled.
Add PIN User	
2. Using Auto ID (Allows the device to assign PIN to next available User ID number)	
OR	2. Select Specific ID (Allows manager to define a specific User ID to associate the PIN to)
1 (PIN) #	1 (User ID) # (PIN) #
3. Exit	*
Tips for PIN Security (Only valid for 6 digits PIN):	
For higher security we allow you to hide your correct PIN with other numbers up to a max of 10 digits.	
Example PIN: 123434	
You could use "(123434)" or "(12343434)"	
("()" can be any numbers from 0-9)	
Add Master Fingerprint (By Specified ID: 99)	
Programming Step	Keystroke Combination
1. Enter Program Mode	* (Master Code) #
1. Add Master Fingerprint	1 (99) # (Fingerprint) (Repeat Fingerprint) (Repeat Fingerprint again)
3. Exit	*

7 Digits reduces the (member's) exclusive, to be done reduces or eat print	<table> <tr> <td colspan="2"> Add Panic Users (Valid for Card/ PIN Users) (User ID number is 988, 989; PIN length: 4-6 digits except 8888) </td></tr> <tr> <th>Programming Step</th><th>Keystroke Combination</th></tr> <tr> <td>1. Enter Program Mode</td><td>* (Master Code) #</td></tr> <tr> <td>2. Add Card</td><td>1 (User ID) # (Read Card / Input 8/10/17 Digits Card number) #</td></tr> <tr> <td>OR</td><td></td></tr> <tr> <td>2. Add PIN</td><td>1 (User ID) # (PIN) #</td></tr> <tr> <td>3. Exit</td><td>*</td></tr> <tr> <td colspan="2"> Add Visitor Users (Valid for Card/ PIN Users) (User ID number is 990~999; PIN length: 4-6 digits except 8888) There are 10 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 become invalid automatically. </td></tr> <tr> <th>Programming Step</th><th>Keystroke Combination</th></tr> <tr> <td>1. Enter Program Mode</td><td>* (Master Code) #</td></tr> <tr> <td>2. Add Card</td><td>1 (User ID) # (0-9) # (Read Card / Input 8/10/17 Digits Card Number) #</td></tr> <tr> <td>OR</td><td></td></tr> <tr> <td>2. Add PIN</td><td>1 (User ID) # (0-9) # (PIN) # (0-9 means times of usage, 0-9)</td></tr> <tr> <td>3. Exit</td><td>*</td></tr> <tr> <td colspan="2"> Change PIN Users (PIN length: 4-6 digits except 8888) </td></tr> <tr> <th>Programming Step</th><th>Keystroke Combination</th></tr> <tr> <td colspan="2"> Note: Below is done outside programming mode, you can use this themselves </td></tr> <tr> <td>Change PIN</td><td>* (User ID) # (Old PIN) # (New PIN) # (Repeat New PIN) #</td></tr> <tr> <td colspan="2"> Change PIN of Card + PIN access mode (There will auto allocate PIN (8888) to cards when adding) </td></tr> <tr> <th>Programming Step</th><th>Keystroke Combination</th></tr> <tr> <td>1. Enter Program Mode</td><td>* (Master Code) #</td></tr> <tr> <td>2. Add Card</td><td>1 (99) # (Fingerprint) (Repeat Fingerprint) (Repeat Fingerprint again)</td></tr> <tr> <td>3. Exit</td><td>*</td></tr> </table>	Add Panic Users (Valid for Card/ PIN Users) (User ID number is 988, 989; PIN length: 4-6 digits except 8888)		Programming Step	Keystroke Combination	1. Enter Program Mode	* (Master Code) #	2. Add Card	1 (User ID) # (Read Card / Input 8/10/17 Digits Card number) #	OR		2. Add PIN	1 (User ID) # (PIN) #	3. Exit	*	Add Visitor Users (Valid for Card/ PIN Users) (User ID number is 990~999; PIN length: 4-6 digits except 8888) There are 10 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 become invalid automatically.		Programming Step	Keystroke Combination	1. Enter Program Mode	* (Master Code) #	2. Add Card	1 (User ID) # (0-9) # (Read Card / Input 8/10/17 Digits Card Number) #	OR		2. Add PIN	1 (User ID) # (0-9) # (PIN) # (0-9 means times of usage, 0-9)	3. Exit	*	Change PIN Users (PIN length: 4-6 digits except 8888)		Programming Step	Keystroke Combination	Note: Below is done outside programming mode, you can use this themselves		Change PIN	* (User ID) # (Old PIN) # (New PIN) # (Repeat New PIN) #	Change PIN of Card + PIN access mode (There will auto allocate PIN (8888) to cards when adding)		Programming Step	Keystroke Combination	1. Enter Program Mode	* (Master Code) #	2. Add Card	1 (99) # (Fingerprint) (Repeat Fingerprint) (Repeat Fingerprint again)	3. Exit	*
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3. Exit	*																																														

Delete Users

Programming Step	Keystroke Combination
1. Enter Program Mode	* (Master Code) #
2. Delete User - By Fingerprint/ Card/PIN	2 (Input Fingerprint) / (Read Card/ Input PIN) #
OR	The users can be deleted correctly.
2. Delete User - By ID number	2 (User ID) #
2. Delete User - By Card number	2 (Input 8/10/17 Digits Card Number) #
2. Delete ALL Users	2 (Master Code) #
3. Exit	*

Set Relay Configuration

The relay configuration sets the behaviour of the output relay on activation.

Programming Step	Keystroke Combination
1. Enter Program Mode	* (Master Code) #
2. Pulse Mode	3 (1-99) # (factory default)
OR	The relay time is 1-99 seconds. (Default is 5 seconds)
2. Toggle Mode	3 0 #
3. Exit	*
	Sets the relay to ON/OFF Toggle.

Set Access Mode

For Multi user access mode, the interval time of reading can not exceed 5 seconds, or else, the device will exit to standby automatically.

Programming Step	Keystroke Combination	
1. Enter Program Mode	* (Master Code) #	
2. Fingerprint Access	4 0 #	
OR	2. Card Access	4 1 #
OR	2. PIN Access	4 2 #
OR	2. Card + PIN Access	4 3 #
3. Exit	*	

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Simplified Instruction	
Function Description	Operation
Enter the Programming Mode	* (Master Code) # (code: 6 digits)
Change the Master Code	0 - New Code - # - Repeat the New Code - # (code: 6 digits)
Add Card User	1 - Read Card - # (can add cards continuously)
Add Fingerprint User	1 - Fingerprint - Repeat Fingerprint - Repeat Fingerprint Again - #
Add PIN User	1 - PIN - # (The PIN is any 4-6 digits except 8888 which is reserved)
Delete User	2 - Fingerprint - # 2 - Read Card - # 2 - PIN - #
Exit from the Programming Mode	*
How to release the door	
Fingerprint User	Input Fingerprint
Card User	Read Card
PIN User	Input PIN #

2. Multi User Access	4 3 (2-9) # (Only after 2-9 valid users, the door will be opened)
OR	4 4 # (factory default)
3. Exit	*
Set Strike-out Alarm	
The strike-out alarm will engage after 10 failed entry attempts (Factory is OFF). It can be set to deny access for 10 minutes after engaging or disengage only after entering a valid Fingerprint/ card/ PIN or Master code/ fingerprint/ card.	
Programming Step	Keystroke Combination
1. Enter Program Mode	* (Master Code) #
2. Strike-Out OFF	6 0 # (factory default)
OR	6 1 # (Access will be denied for 10 minutes)
2. Strike-Out ON	6 1 # (Access will be denied for 10 minutes)
OR	6 2 # (Exit button is still workable)
2. Strike-Out ON (Alarm)	6 2 #
Set Alarm Time	5 (0-3) # (factory default is 1 minute)
Enter Master Code # or Master Fingerprint/ Card or valid user fingerprint / card / PIN to silence	
3. Exit	*
Set Door Open Detection	
Door Open Too Long (DOTL) Detection	
When use with an optional magnetic contact or built-in magnetic contact of the lock, if the door is opened normally, but not closed after 1 minute, the inside buzzer will beep automatically to remind people to close the door. The beep can be stopped by closing the door, master users or valid users, or else, it will continue to beep the same time with the alarm time set.	
Door Forced Open Detection	
When use with an optional magnetic contact or built-in magnetic contact of the lock, if the door is opened by force, the inside buzzer and external alarm (if there is) will both operate, they can be stopped by master users or valid users, or else, it will continue to sound the same time with the alarm time set.	

Programming Step	Keystroke Combination
1. Enter Program Mode	* (Master Code) #
2. Disable Door Open Detection	6 3 # (factory default)
OR	6 4 #
2. Enable Door Open Detection	5 (0-3) # (factory default is 1 minute)
Set Alarm Time	*
The function of Set Alarm Time also apply for anti-tamper alarm	
Programming Step	Keystroke Combination
1. Enter Program Mode	* (Master Code) #
2. Disable Sound	7 0 #
2. Enable Sound	7 1 # (factory default)
OR	7 2 #
2. LED Always OFF	7 3 # (factory default)
OR	7 4 #
2. LED Always ON	7 5 #
2. Keypad Backlit Always OFF	7 6 # (factory default)
2. Keypad Backlit Always ON	7 7 #
2. Keypad Backlit Automatic OFF	7 8 #
3. Exit	*
Master Fingerprint/ Card Usage	
Using Master Fingerprint/ Card to add and delete users	
1. Input (Master Fingerprint / Card) or (Card) or (PIN) #	
2. Input (Fingerprint three times) or (Card) or (PIN) #	
3. Input (Master Fingerprint / Card) again	

Users Operation & Reset to Factory Default	
> Open the door: Read valid user fingerprint or user card or input valid user PIN #	
> Remove Alarm: Enter Master Code # or Master Fingerprint/ Card or valid user fingerprint / card / PIN	
> To reset to factory default & Add Master Card: Power off, press the Exit Button, hold it and power on, there will be two beeps, then release the exit button, the LED light turns into yellow, then read any 125KHz EM card/ 13.56MHz Mifare card, the LED will turn into red, means reset to factory default successfully. Of the card reading, it is the Master Card.	
Remarks:	
① If no Master Card added, must press the Exit Button for at least 5 seconds before release, this will make the previous registered Master Card invalid	
② Reset to factory default, the user's information is still retained.	
CONTROLLER MODE	
The device can work as Controller, connected with the external Wiegand reader. (Factory default mode) ~ 7 7 #	
Connection Diagram	

Attention: Install a 1N4004 or equivalent diode is needed when use a common power supply, or the reader might be damaged. (1N4004 is included in the packing)	
Set Wiegand Input Formats	
Please set the Wiegand input formats according to the Wiegand output format of the external Reader.	
Programming Step	Keystroke Combination
1. Enter Program Mode	* (Master Code) #
2. Wiegand Input Bit	EM Card Version: 8 (26-44) # (factory default is 26bits)
	Mifare Card Version: 8 (26-44, 56, 58) # (factory default is 34bits)
3. Disable Parity Bit	8 0 #
Enable Parity Bit	8 1 # (factory default)
4. Exit	*
Note: For connecting Wiegand readers with 32, 40, 56 bits output, need disable parity bits.	
Programming	
> Basic Programming is the same as Standalone Mode	
> There are some exceptions for your attention:	
The device Connected with External Card Reader	
- If EM/Mifare card reader: users can be added/deleted on either the device or external reader.	
- If HID card reader: users can only be added/deleted on external reader.	
The device Connected with Fingerprint Reader	
For example: Connected SF1 as the fingerprint reader to the device.	
Step 1: Add the Fingerprint (A) on SF1 (Please refer to SF1 manual)	
Step 2: Add the same Fingerprint(A) on the device:	
1. Enter Program Mode: * (Master Code) #	
OR	1 (Press Fingerprint A once on SF1) # (ID auto allocated)
2. (User ID) # (Press Fingerprint A on SF1) # (Select specific ID)	
3. Exit: *	

The device Connected with Keypad Reader	
The keypad reader can be 4 Bits, 8 Bits (ASCII), or 10 Bits output format. Choose the below operation according to the PIN output format of your reader.	
Programming Step	Keystroke Combination
1. Enter Program Mode	* (Master Code) #
2. PIN Input bits	8 (4 or 8 or 16) # (factory default is 4 bits)
3. Exit	*
Remarks: 4 means 4 bits, 8 means 8 bits, 16 means 16 digits virtual number.	
> Add PIN Users:	
To add PIN users, after enter into programming mode on the device, PIN(s) can be input added on either the device or the external Keypad Reader.	
> Delete PIN Users: the same way as add users.	
WIEGAND READER MODE	
The device can work as Standard Wiegand Reader, connected to the third party Controller ~ 7 8 #	
Connection Diagram	

Notes:	
> When set into Wiegand Reader mode, nearly all settings in Controller Mode will become invalid, and Brown & Yellow wires will be redefined as below:	
- Brown wire: Green LED light control	
- Yellow wire: Buzzer control	
> If you need to connect Brown/Yellow wires:	
When the input voltage for LED is low, the LED will turn into Green; and when the input voltage for Buzzer is low, it will sound.	
Set Wiegand Output Formats	
Please set the Wiegand output formats of Reader according to the Wiegand input formats of the Controller:	
Programming Step	Keystroke Combination
1. Enter Program Mode	* (Master Code) #
2. Wiegand output bits	EM Card Version: 8 (26-44) # (factory default is 26bits)
	Mifare Card Version: 8 (26-44, 56, 58) # (factory default is 34bits)
	8 (4 or 8 or 16) # (factory default is 4 bits)
3. Disable Parity Bit	8 0 #
Enable Parity Bit	8 1 # (factory default)
4. Exit	*
Note: For connecting Wiegand controller with 32, 40, 56 bits input, need disable parity bits.	
ADVANCED APPLICATION	
User Information Transfer (Valid for Card / PIN Users)	
The device supports the User Information Transfer function, and the enrolled user (cards, PINs) can be transferred from one (let's name it Master Unit) to another (let's name it Accept Unit).	

Connection Diagram:	
The Device	The Device
Remarks:	
> The Master units and Accept units must be same series devices.	
> The Master Code of the Master Unit and the Accept Unit must be set to the same.	
> Program the transfer operation on Master Unit only.	
> If the Accept Unit is already with the users enrolled, it will be covered after transferring.	
> For full 900 users enrolled, the transfer takes about 30 seconds.	
Set Transferring on Master Unit:	
Programming Step	Keystroke Combination
1. Enter the programming mode	* (Master Code) #
2. Set transferring	9 8 #
3. Exit	*
User Information Transfer (Valid for Card / PIN Users)	
The device supports the User Information Transfer function, and the enrolled user (cards, PINs) can be transferred from one (let's name it Master Unit) to another (let's name it Accept Unit).	

Interlock	
The device supports the Interlock Function. It is of two Devices for two doors, and mainly used for banks, prisons, and other places where a higher level security is required.	
Connection Diagram:	
The Device	The Device
Remarks: The Door Contact must be installed and connected to the diagram. Let's name the two Devices as "A" and "B" for two doors "1" and "2".	
Step 1:	
Enroll the users on Device A, then transfer the users' information to Device B by "User Information Transfer" function.	
Step 2:	
Set both of the two Devices (A and B) to Interlock function	
Programming Step	Keystroke Combination
1. Enter Program Mode	* (Master Code) #
2. Disable Interlock	9 0 # (factory default)
OR	9 1 #
2. Enable Interlock	9 1 #
3. Exit	*
If enable interlock, when and only door 2 is closed, the user can read the valid fingerprint/card or input PIN on Reader A, door 1 will open; then when and only door 1 closed, read valid fingerprint/card or input PIN on Reader B, door 2 will open.	

Outdoor FingerKey & Reader	
Wide	Ellipse
User Manual	

WiFi Access Control



User Manual

Introduction

This device is a WiFi based Touch Key Access Controller & RFID Reader. People can install the mobile APP (TuyaSmart or Smartlife) to easily access the door with their smartphone. The APP supports 500 mobile users, and can manage 1000 users (Fingerprint / PIN / Card) maximum by the APP.

APP Operation

Here are just a few steps to get you started.

1) Free APP Downloading
Search TuyaSmart or Smartlife on Google Play or APP Store

2) Make sure WiFi works on your mobile phone.

1. Register & Login

(Make sure the registered email is legal and valid, so that you can recover your password once forgotten. **Mobile Number is for China Mobile ONLY**)

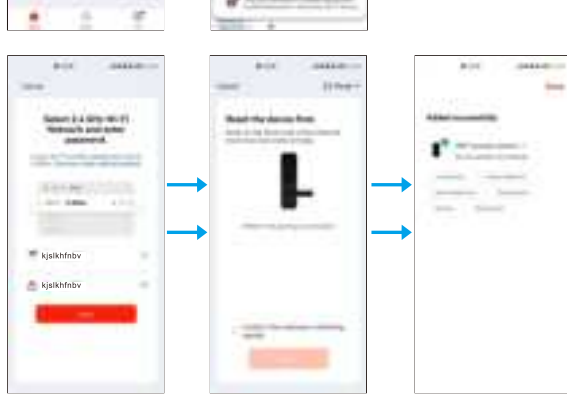


You will get a verification code in your mail box.

—01—

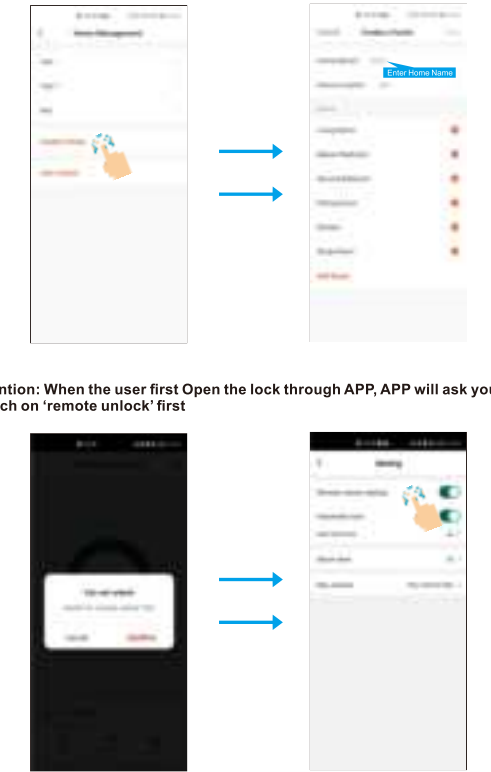
2. Add Device

You can add device by clicking 'Add Device' or clicking '+' on the top. (It is suggested to turn on the Bluetooth, it's easier to find the device and faster to add device.)



—02—

Note: To better manage the devices and family members, you will need to create a HOME before you begin to manage this device.



—03—

3. Member Management

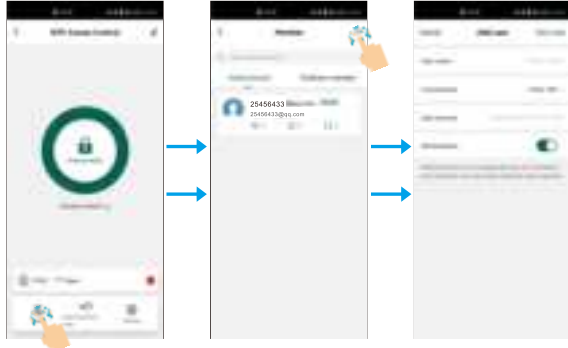
Note: The first to add the device is the Home Owner (Super Master)

Authority	Home Owner (Super Master)	Administrator	Ordinary member
Open the door	√	√	X
Member Management	√	√	X
User Management	√	X	X
Set Users as Admin	√	X	X
View All Records	√	√	X
Set Relay Time	√	√	X

4. User Management

4.1 Add Members

(Note: The members that you shared to must register the account first.)

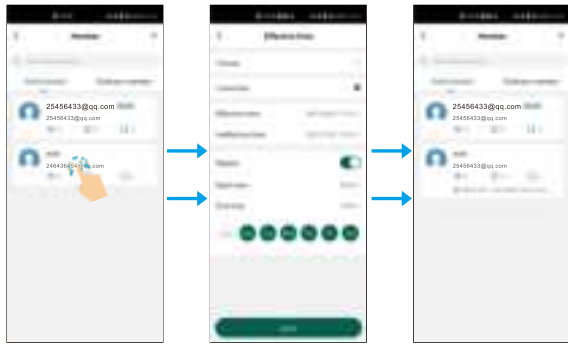


—04—

Remark: When adding members, the Owner (Super Master) can decide to add the user as Admin or Ordinary member.

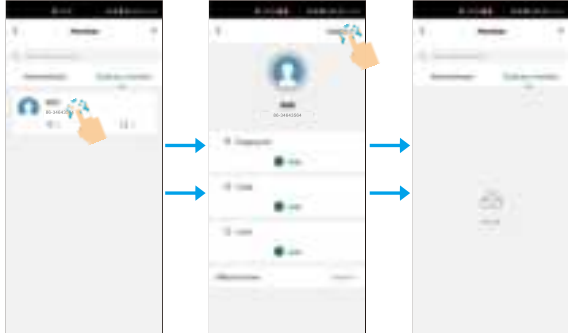
4.2 Manage Members

Owner(Super Master) can decide effective time (Permanent or Limited) of the members.



—05—

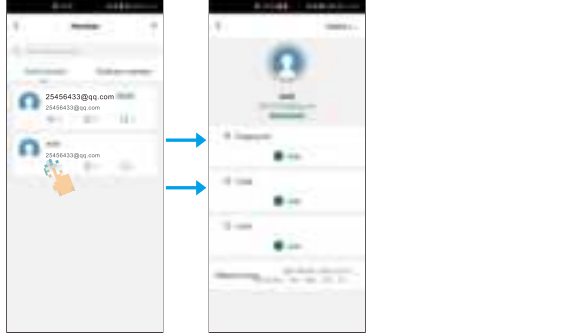
4.3 Delete Members



—06—

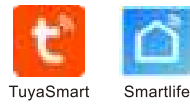
4.4 Add Users (Fingerprint/ PIN / Card Users)

The APP supports to Add/Delete Fingerprint / PIN / Card users.

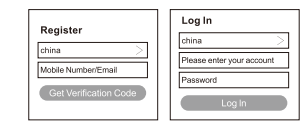


Simplified Instruction

1 Download & Install APP



2 Register & Login



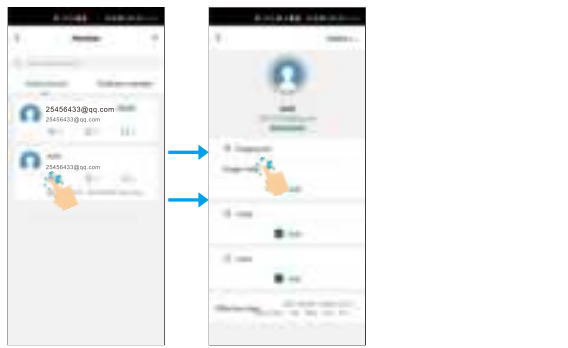
3 Search Device & Configure WiFi



4 Add Device & Open the Door



4.5 Delete Users (Fingerprint/ PIN / Card Users)



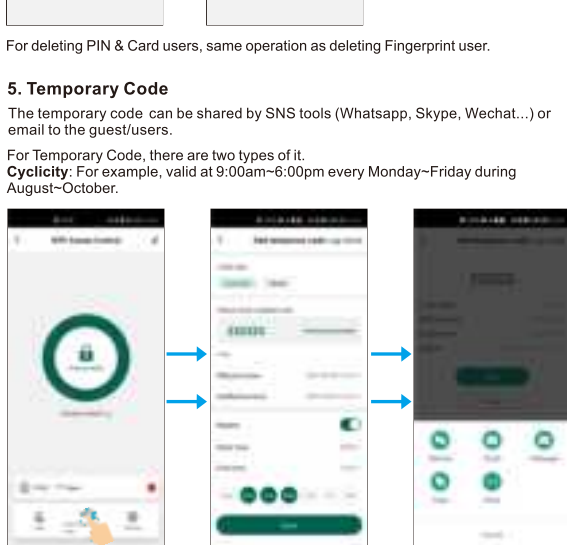
—07—

5. Temporary Code

The temporary code can be shared by SNS tools (Whatsapp, Skype, Wechat...) or email to the guest/users.

For Temporary Code, there are two types of it.

Cyclicly: For example, valid at 8:00am-8:00pm every Monday-Friday during August-October.



—08—

Once: One-time code can be valid in 6 hours and can be used only for once.



—09—

6. Setting

6.1 Remote unlock setting

Default is off. When added the device first time, it will ask to turn on. Once turn off, all the mobile users will not be able to access the lock by APP.

6.2 Automatic Lock

Default is on.
Automatic Lock on: Pulse Mode
Automatic Lock off: Latch Mode

6.3 Auto lock time

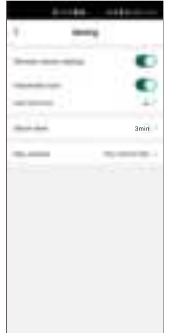
Default is 5 seconds. It can be set from 0-100 seconds.

6.4 Alarm time

Default is 1 minutes. It can be set from 1-3 minutes.

6.5 Key Volume

It can set Key Volume Mute, Low, Middle and High.



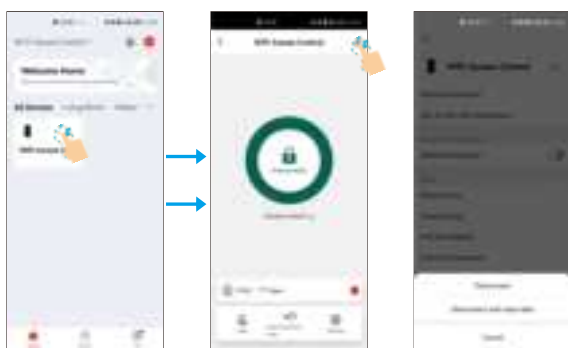
—10—

7. Log (Including Open History and Alarms)



—11—

8. Remove Device & Reset Bluetooth Binding



—12—

Note:

Disconnect is just removing the device from the APP. The users (card / fingerprint / code) are still retained. (If Super Master Disconnected, all other members will have no access to the device)

Disconnect and wipe data is unbinding the device and reset Bluetooth. (Means this device can be connected by other new users)

Method 2 to reset the WiFi

• (Master Code) # - Default Master Code is 123456
• (Master Code) #
(To change the Master Code, please refer to another user manual)

ATTENTION:

There are 3 features (Programming on the Device) that are NOT supported by the WiFi version.

1. 'Change PIN'

2. 'Card + PIN' Access Mode

3. 'Tips for PIN Security' — It supports to hide your correct PIN with other numbers up to a max of 9 digits only.