WS1

Wireless Access Kit

User Manual

INTRODUCTION

WS1 is a set of complete wireless access kit for home/office use. It consists of a Wireless Keypad, a Wireless Bolt Lock (suitable for inside/outside door and framed glass door), a Wireless Exit Button, 2 Remote Transmitters and 5 KeyFobs. Super strong 3M stickers provide simple installation way.

Major Parts

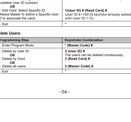
Battery type:

Wireless Keypad: 3 units of AAA batteries
Wireless Lock: 4 units of AA batteries
Wireless Exit Button: 1 unit of 2032 Lithium battery (Battery is already contained in the equipment)
Remote Transmitter: 1 unit of 2032 Lithium battery (Battery is already contained in the equipment)

Under normal conditions, batteries in Wireless Keypad, Wireless Lock and Remote Transmitters can work as long as one year (based on 20 times/day); the open times of the lock is over 16,000 times (can work about one year bases on 40 times/day). It will remind people to replace batteries intelligently if low battery.

How to release the door ?

API ports are paired already, and the keyfobs are added in the device. Users can operate it directly.



3 versions for option:

WS1: including a wireless keypad, a wireless lock, a wireless button, 2 remote transmitters and 5 keyfobs.
WS1-B: including a wireless keypad, a wireless lock, a wireless button and 5 keyfobs.
WS1-K: including a wireless lock, a wireless button and 2 remote transmitters.

Features:

- All wireless, no need wires any more
- Easy for installation and operation
- Super long distance: 100M (Open field), 30-50M times for keypad
- 433MHz Rolling Code technology
- Ultra low power consumption
- Can add 2 Remote Transmitters
- 100 PIN/card users
- 4-6 digits PIN, 125KHz EM card / 13.56MHz Mifare card (Optional).

Specifications:

User Capacity	100 (PIN/Card)
PIN Digits	4-6 Digits
Card Type	125KHz EM / 13.56MHz Mifare card (optional)
Operating Voltage	
Wireless Keypad	3 units of AAA batteries
Wireless Lock	4 units of AA batteries
Wireless Exit Button	1 unit of 2032 Lithium battery
Remote Transmitter	1 unit of 2032 Lithium battery
Idle Current	All Items <30uA
Working Current	
Wireless Keypad	40mA
Wireless Lock	<22mA
Wireless Exit Button	<2mA
Remote Transmitter	<2mA
Communication Frequency	433MHz
Communication Distance	4m Maximum
Environment	
Operating Temperature	-20 °C~55 °C (-4 °F~+140 °F)
Operating Humidity	5%~95%RH
Physical	
Wireless Lock	Zinc Alloy
Others	ABS Plastic
Dimensions	
Wireless Keypad	L 125 X W 54 X D 18(mm)
Wireless Lock	L 300 X W 40 X D 22(mm)
Wireless Exit Button	L 63 X W 63 X D 16(mm)
Remote Transmitter	L 62 X W 31 X D 12(mm)

Unit Weight	**G.Kg**
Wireless Keypad	400g
Wireless Lock	1Kg
Wireless Exit Button	50g
Remote Transmitter	20gpc

INSTALLATION

Wireless Keypad: Install by 3M stickers or screws

Wireless Lock: Install by screws

Wireless exit button: Install by 3M stickers

How to release the door ?

Keyfobs Combination	
Only one keyfob	**#*No.# **
Card User Access	**# (Read Card)**
Keyfobs and Card users are added already	
By Remote Transmitter	Press "L"
By Exit Button	Press the button

KEYPAD PROGRAMMING

Enter and Exit Program Mode

Programming Step	Keystroke Combination
1. Enter Program Mode	***Master Code# ** (Factory default: 6)
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 # ** (Factory default: 6) is 6 digits
3. Exit	*

Add PIN Users

User ID: 1~100
PIN Code: 4-6 Digits

Programming Step	Keystroke Combination
1. Enter Program Mode	***Master Code# **
2. Add PIN	**1 User ID # PIN # ** The users will be added continuously
3. Exit	*

Add Card Users (The 5 units keyfobs in the package are added already)

User ID: 1~100
Card type: 125 KHz EM Card / 13.56MHz Mifare Card (Optional)

Programming Step	Keystroke Combination
1. Enter Program Mode	***Master Code# **
2. Add Card: Using Auto ID	**1 (Read Card) #** The users will be added continuously
2. Add Card: Select Specific ID (Note: Do not repeat the Specific User ID to associate the card)	**1User ID # (Read Card) #** (Note: The 5 units keyfobs already added with User ID 1~5)
3. Exit	*

Delete Users

Programming Step	Keystroke Combination
1. Enter Program Mode	***Master Code# **
2. Delete by User ID	**2 User ID # ** The users will be deleted continuously.
2. Delete by Card	**2 (Read Card) #**
3. Delete all users	**2 Master Code# #**
4. Exit	*

Set Access Mode

Programming Step	Keystroke Combination
1. Enter Program Mode	***Master Code# **
2. PIN Access	**3 0 #**
3. Card Access	**3 1 #**
4. PIN or Card Access	**3 2 #** (factory default)
5. Exit	*

Set Buzzer

Programming Step	Keystroke Combination
1. Enter Program Mode	***Master Code# **
2. Buzzer ON	**6 1 #**
3. Buzzer OFF	**6 2 #** (factory default)
4. Exit	*

Lock Vs/ensuRelay

The Wireless Lock will be locked automatically around 5 seconds after we open it. If we want to lock it faster, please press "5 #" on the Keypad, or press "5" on the Remote Transmitter, or press the Exit Button.

For Wireless Keypad / Wireless Exit Button / Remote Transmitter with Wireless Lock
(They are already paired when out of factory. If no problem, the users do not need to do this pairing process.)

Note 1: The Wireless Lock can pair 3 parts (Keypad or Remote Transmitter or Exit Button) at most one time.

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 on the PCB, hold it for 5 seconds, until hearing two beeps, that means in the pairing status.

Step 2: Pairing Keypad
Press the button "5 #" on the keypad, there will be one beep from Lock, that means pairing successful.

Step 3: Pairing Wireless Exit Button
Press the exit button, until hearing one beep from Lock, that means pairing successful.

Step 4: Pairing Remote Transmitter
Press the button "L" on the Remote Transmitter, until hearing one beep from Lock, that means pairing successfully.

Step 5: Exit pairing mode
After pairing successfully, press the small round button in the Wireless Lock again, until hearing one beep, that means exit pairing successfully. Or it will exit pairing mode automatically 15 seconds later if there is no operation.

Simplified instruction

A function description	Keystroke Combination
Enter the Program Mode	***Master Code# ** (130808 is the factory default master code)
Change the Master Code	**0 New Master Code # Repeat New Code # ** (Factory default: 6 digits)
Add PIN User	**1 (User ID) # (PIN) #**
Add Card User	**1 (Read Card)**
Delete User	**2 (User ID) #** **2 (Read Card)**
Exit from the Program Mode	*
Add Card Users **(The first 5 units keyfobs in the package are added already)**	
PIN Access	**3 0 #**
Card Access	**3 1 #** (Read Card)
By Remote Transmitter	Press the "L"
By Exit Button	Press the button
Lock Immediately	*
By Keypad	**Press "5 #"**
By Remote Transmitter	**Press 5**

Sound and Light Indication

Device	Operation Status	Red LED	Green LED	Buzzer
Keypad	Enter Program Mode	Always on 5 seconds	--	One beep
	Enter the Program mode	--	ON for 5 seconds	One beep
	Unlock the lock	--	--	One beep
	Press key	--	--	One beep
	Input Wrong PIN/Card	--	--	Three beeps
	Input PIN/Card	--	--	One beep
	Exit from the Program mode	--	ON for 1second	One beep
Lock	Low battery reminding	Orange LED ON		Three beeps when press any button
	Pairing	ON	--	One beep
	Unlock the lock	Blinks 3 times	--	Two beeps
	Lock	ON	--	One beep
	Low battery reminding	Blinks 3 times	--	Three beeps, will prompt: "When The lock will open automatically when the battery is low, please change the battery"
Remote Transmitter	Press Button	LED ON for 2 seconds		
	Low battery reminding	When the LED is dim, please change the battery		

Packing List

Name	Quantity
Packaging box	1pc
Wireless Keypad	1pc
Wireless Lock	1pc
Wireless Exit Button	1pc
Remote Transmitters	2pcs
KeyFobs	5pcs
Manual	1pc
Screw Driver	1pc
Nail Fixing Pick	2pcs
Self Tapping Screws	10pcs
3M Stickers	2pcs