

# **RF Remote Control Lock**

## **Mode No.:RL**

### **User Manual**

Before installing the lock:

- 1.Check the parts of the lock and the four remote controllers.
- 2.Check if the lock is compatible with the structure of the door.
- 3.Check the conditions of the door, such as material, shape and surface.
- 4.Measure the installation position.
- 5.Clean the installation area.

Process to Install and Uninstall the Lock:

1. Install in accordance with the material of the door, wooden or metal.
2. Installation on wooden door: Take off the double-sided adhesive tape on the mounting plate and lockpin buckle. Determine the installation location. Paste the lock on the door. Adjust the lockpin and lockpin buckle till they operate smoothly. Mark the 4—Ø5 hole site on the lock mounting plate. Fasten the mounting plate with wood bolts, install the lock on the mounting plate and then, in coordination with the lockpin buckle, fix the lockpin buckle on the doorframe with wood bolts. Check if the lockpin moves smoothly. Fasten the bolts after they are properly adjusted.
3. Installation on iron door: Similar to that on wooden door. The main difference is that Ø4\*10 stainless steel blind rivets are used instead of wood bolts. After making the mark on the door, make through holes with Ø4 drill head, and then fix blind rivets at hole sites with rivet gun.
4. Uninstallationprocess: For wooden door, remove the wood bolt with a screw drive; For iron door, remove heads of blind rivets with a hand held drill, or cut down heads of blind rivets with a file.

Matching the Remote Controllers and Lock:

- 1.Open the battery cover on the main lock;
- 2.There is a matching button in the middle of the left section of the battery case.
- 3.Press the matching button and hold for two seconds;
- 4.The LED indicator on the main lock flashes and beeps;
- 5.Press each remote control and hold for 1 second. Each time the main lock makes a beeping sound, which indicates that matching has been successful;
- 6.Press the matching button on the main lock and hold for one second until it beeps, which indicates that matching has stopped.
- 7.When matching has completed, please test if the remote controls work normally.
- 8.When one of the remote controllers fails to work normally, rematch according to the steps above.

Rematching the Remote Control and Lock:

- 1.If one of the remote controls is lost, bring all the remaining remote controls and rematch.
- 2.Rematch according to the steps above.
- 3.After rematching, the missing remote control is invalidated. Rest assured to use the rematched remote controls.

Note: Do not press the matching button on the main lock unless one remote control is missing or a new remote control has been bought, as pressing the button means deleting existing data and rematching is required.

After installation has been completed, ensure to check whether the remote controllers work correctly, with somebody inside the door (please check from the inside and the outside both).

## How to operate the lock

Use the remote controller from indoors or outdoors

1. Press the "lock" button and you will hear a “bi” sound from the lock and the door is locked.
- 2.Press the "unlock" button and you will hear “bi” “bi” sound from the lock and the door is unlocked.

Operate the lock through the touch area on the lock if you are indoors

- 1, Put your fingers on the LOCK area of the lock for 1 second, the lock will be unlocked and a “bi” sound would be heard
- 2, Put your fingers on the UNLOCK area of the lock for 1 second, the lock would be unlocked and “bi” “bi” sound would be heard

Automatic Unlocking:

- 1.One of the possible reasons may be improper installation or operational failure. The lock unlocks automatically and sends alarm sound. Check if the lock core moves smoothly. If the problem persists, contact the manufacturer.
- 2.Another possible reason may be that the battery level is below the minimum operating level set for the lock. User needs to change new batteries immediately to prevent the reduction of safety performance due to automatic unlocking.

Emergency Unlocking Pin:

The emergency unlocking pin is designed to provide a manual way of unlocking to be used during fire and other emergencies.

Battery Swap Notification:

- 1.When battery level is low, the lock makes audible and visual alarm to notify user of the need to swap batteries, but the batteries can still work for about one month.
- 2.When battery level keeps falling, the lock makes audible and visual alarm and

automatically turns off the locking function to notify user of the need to swap batteries immediately.

3. When battery level is lower than the minimum operating level set for the lock, the lock unlocks automatically. This function is designed to prevent the situation where the battery becomes depleted when user is away for a long time and the door cannot be opened with remote control. To prevent the reduction of safety performance caused by automatic unlocking, please swap batteries before user is away for a long time.

#### Swapping Batteries for the Main Lock:

1. When the LED indicator flashes and lock operation sound weakens, swap batteries immediately.
2. Open the battery cover in the direction of the arrow, put in two AAM size batteries (please put in the new batteries within ten seconds to protect electronic circuit).
3. Test the "locking" and "unlocking" operation of the lock to make sure batteries are swapped successfully.

Special Note: When swapping batteries, be sure to use alkaline batteries such as Nanfu alkaline batteries or Duracell alkaline batteries. Please note that the unit weight of a single battery should be 23-25g. Any weight lower than that indicates inferior product. Never use acid batteries or zinc-manganese batteries, otherwise malfunctions will occur in the lock,

#### Checking After Swapping Battery:

1. Check if the lock is controlled by the remote control.
2. Check if the LED indicator and its signal are back to normal condition under normal voltage.

#### Swapping Battery for the Remote Control:

1. When the LED indicator dims and control becomes slow, swap battery for the remote control immediately.
2. Loosen the small screw on the case of the remote control, open the case and swap the CR2032 battery inside. Fasten the screw and fix the case.
3. After the battery is swapped, check if the remote control works normally.

#### Special Note:

Pay special attention: When swapping battery, do not touch the emergency unlocking button on the remote control, otherwise the emergency unlocking mechanism in the main lock body will be triggered, which causes damage to the main lock body.

To prevent this situation, make sure to take off batteries in the main lock body before swapping battery near the main lock.

#### After-sales Service:

Install and use in accordance with the user manual. We provide free after-sales service within the quality guarantee period.

Quality Guarantee Period: Quality guarantee period is one year, beginning on the day of purchase. If day of purchase cannot be established, day of production serves as day of purchase.

However, fees are charged for the following services (including within the quality guarantee period):

1. Damages caused by natural disaster, such as fire, earthquake and flood.

2.Damage caused by improper use, such as accident, uninstallation and reassembly.

3.Swapping of parts, such as battery and door bolt.

4.Damages to the lock caused by environmental conditions.

5.When remote control is missing or user needs to add more remote controls, please contact the company for after-sales service.

Supplement: Product Data:

Main Body Data

Dimensions: 95\*150\*41.5(mm)

Weight: 620(g)

Working Distance: Within 5m indoor, within 0.5-1m outdoor.

Method: ASK SINGLE CONVERSION

Receiving Frequency: 315MHz

Type and Quantity of Battery: two AAM SIZE alkaline batteries (3V)

Battery Life: At 20 uses per day, battery life is one year  
(calculated according to the time of battery swap alarm)

Working Temperature:  $-20^{\circ}\text{C}\sim 80^{\circ}\text{C}$  (no freezing or frosting)

Working Humidity: 5%~60% (no frosting)

Number of Registered Remote Controls: Up to 16 can be registered

Remote Control Data:

Quantity: Four

Method: ASK SINGLE CONVERSION

Receiving Frequency: 315MHz

Type and Quantity of Battery: Button battery CR2032(3V)

Battery Life: At 20 uses per day, battery life is one year

Working Temperature:  $-20^{\circ}\text{C}\sim 80^{\circ}\text{C}$  (no freezing or frosting)

Working Humidity: 5%~60% (no frosting)

#### FCC STATEMENT

1. This device complies with Part 15 of the FCC Rules and Industry Canada licence-exempt RSS standard(s) . 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.

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

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.

#### Declaration of conformity

Manufacturer's Name: ShenZhen XinYu Machinery Limited

manufacture address: No.5 Building, D Zone, Xinxing Industrial Park, ShuTianPu Community, GongMing Town, GuangMing New District, Shenzhen, PRC

product name: RF Remote Control Lock

Model No.: RL

Application of Council Directive(s): 2014/53/EU The Radio Equipment Directive Standard(s) to which Conformity is Declared: EN62479, EN60335-1, EN62233, EN301 489-1/3, EN300 220-1/2

We declare on our sole responsibility that this equipment complies with the essential requirements of the Radio Equipment Directive, 2014/53/EU, and that any applicable Essential Test Suite measurements have been performed.

CE versions of the RF Remote Control Lock (M/N: RL) which display the CE symbol on the product label, comply with the essential requirements of the Radio Equipment Directive 2014/53/EU

