
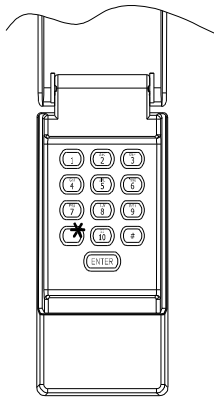


## **Instruction Manual for Cipher Lock**

### **I Important message**

Note: The cipher lock can be only used in actuator of garage door which has rolling code technology and decode receiving machine inside. Safe cipher and transmitter (remote control) are set in cipher lock. Center frequency of the transmitter is 310MHz.

 <b>WARNING</b>	
	<p>The gate could cause hurt or death over persons when the gate is moving.</p> <ul style="list-style-type: none"><li>·If the reverse moving for safety of the garage door is not like what instruction of garage gate requires, you will not begin to have the remote control learned.</li><li>·Persons should stay away from the gate when the gate is moving.</li><li>·Never let children play with remote control or actuator.</li></ul> <p>If reverse moving for safety of gate doesn't work normally,</p> <ul style="list-style-type: none"><li>·Do not use remote control and garage gate actuator.</li><li>·Please refer to instruction of gate and gate actuator when trying to do repair.</li></ul>

### **II Operation instruction**

1. Input the administer cipher “123456”, ended by “ENTER”. If the cipher is correct, the background lamp flashes three times, waiting for inputting the operation cipher.

1) To modify the administer cipher as follows:

(First input the administer cipher, ended by “ENTER”) Input operation cipher “11”, ended by “ENTER”, the background lamp flashes twice, and then input the new administer cipher (must be 6 digits), ended by “ENTER”, input the new administer cipher again (for second confirmation), and end it by “ENTER”.

·If the operation is correct, the background lamp flashes three times, indicating successful modification. Otherwise the background lamp flashes once, indicating failure of operation.

2) to add an individual user cipher, operate as follows:

(First input the administer cipher, ended by “ENTER”) Input operation cipher “\*”, and input the new user cipher (up to 6 digits), ended by “ENTER”, input the new user cipher again (for second confirmation), and ended by “ENTER”.

·If the operation is correct, the background lamp flashes twice, indicating successful cipher addition. Otherwise the background lamp flashes once, indicating failure of operation.

3) To delete an individual user cipher, operate as follows:

(First input the administer cipher, ended by “ENTER”) Input operation cipher “#”, and input the user cipher (up to 6 digits), ended by “ENTER”, input the new user cipher again (for second confirmation), and end it by “ENTER”.

·If the operation is correct, the background lamp flashes twice, indicating successful cipher deletion. Otherwise the background lamp flashes once, indicating failure of operation.

4) To delete all user ciphers and reset administer cipher 123456, operate as follows:

(First input the Administer cipher, ended by “ENTER”) Input operation cipher “#”, and input operation cipher “1\*1\*1”, ended by “ENTER”, input the operation cipher “1\*1\*1” again and end it by “ENTER”.

·If the operation is correct, the background lamp flashes four times, indicating successful cipher initialization. Otherwise the background lamp flashes once, indicating failure of operation.

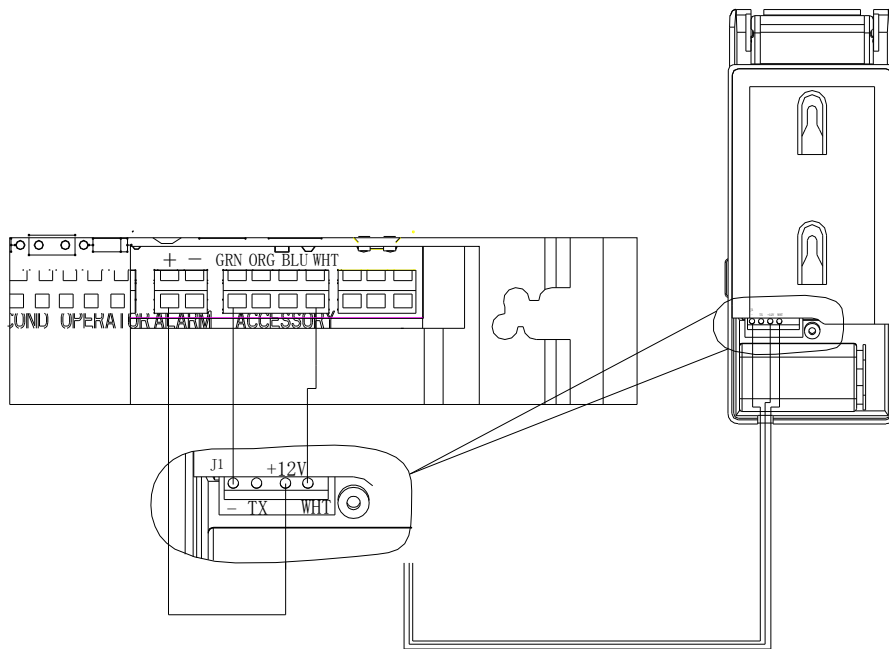
Note: After this operation, the original administer cipher will be initialized as 123456 no matter which the original administer cipher is, and all user’s ciphers will be deleted. The administer cipher must be entered first before any operation. After completion of one operation or a failure of operation, the administer cipher must be entered again if other operation are to be performed.

2. The user cipher can be used only for opening/closing the door, without administer function. The operation is as follows:

Input the user cipher. If it is less than 6 digits, it should be ended by “ENTER”; if it is 6 digits, it is not necessary to have “ENTER” at the end. When the cipher is correct, the background lamp flashes twice, the cipher lock will transmit the signal automatically. You can press “\*” to have another transmission within 20 seconds.

3 There is a terminal J1 for connecting wire in the battery box, it can also be used as a control with wire. Its operation is as follows:

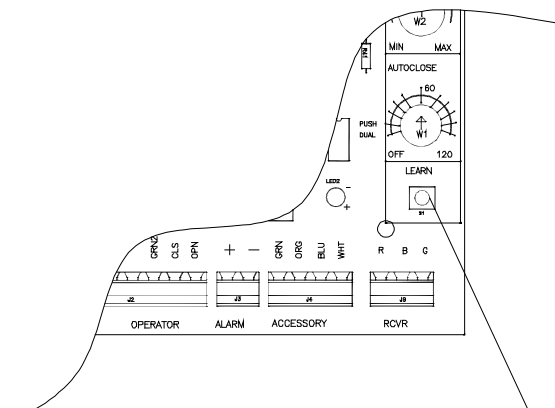
- 1) When pin 2 of J1 (“TX”) is shorted with pin 3 (“+12V”), the cipher keyboard is for remote control transmission. There is no need to connect other pins of J1.
- 2) When Pin 2 of J1 (“TX”) is blank, the cipher keyboard is for wire control. In this case, Pin 1 of J1 (“---“) is connected to ground G of main control board, Pin 3 is connected to +12V power supply of the main control board (ALARM)+, and Pin 4 (“WHT”) is connected to the terminal WHT of wire control on the main control board.



### III learning remote control

Different cipher lock has different code at the factory.

**Note:** The receiving board can learn 5 remote control's code, receiving system learns up to five remote controls' code, shined diode flashes once then turns off; learning is invalid, withdrawing to ready state.



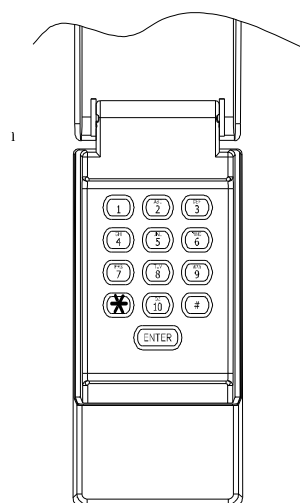
control box pcb learning button

**Step 1:** Check and ensure cipher lock is set well completely, and there is full of energy in the battery. Have the remote control pointed to the actuator of door garage. If cipher lock isn't set completely, install the battery in the cipher lock.

**Step 2:** Press learning button on receiving board, LED on receiving board flashes.

**Step 3:** According to item 2, which introduce the user's cipher function in section II, input user cipher, it will be transmitted automatically to the control board, the LED on control board will turn off after receiving the signal. Press "\*" button for the second confirming (button "\*" has transmitting function). When learning is successful. LED light flashes once (about one second), and buzzer will sound eight times, then turn off. (Remote control code is built in EMS memory of receiving system);

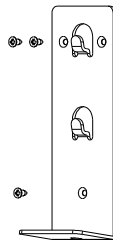
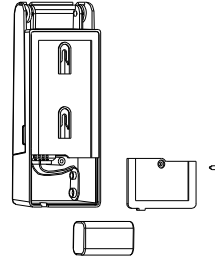
**Note:** If remote control isn't learned successful, the LED will flash once and buzzer will sound once for a long time. You can press "\*" within 20 seconds for another learning process.



## IV installation of battery

**Battery is installed and replaced as follows:**

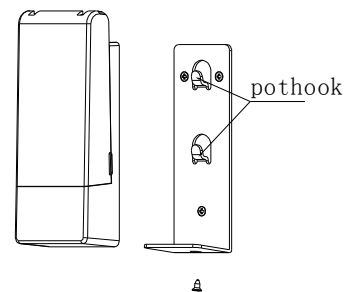
Remove the battery cover, install new battery or replace the battery, install new battery and replace the battery cover.



## V Installation of cipher lock

**Step 1:** put accessory (mounting panel) into required position, then insert 3 wooden screws. See the illustration on left side.

**Step 2:** Adjust the hole of cipher keyboard to pothook of mounting panel. Impact it downward. Insert a screw from underside by using screwdriver. Fasten cipher keyboard. Complete installation. See right installation.



## VI Operation of cipher lock

**Input user's cipher into the remote control and ready for transmitting:**

- When the control board receive the signal from the cipher lock, the gate will move.
- When it received twice, the gate will stop.
- When it is in third times, the gate will move to reverse direction. The gate will stop at maximum position when gate is opened or closed.

## **VII Federal Communications Commission (FCC) Statement:**

**This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:**

1. This device may not cause interference.
2. This device must accept any interference received, including interference that may cause undesired operation of the device.

**Note: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modification to this equipment. Such modification could void the user's authority to operate the equipment.**