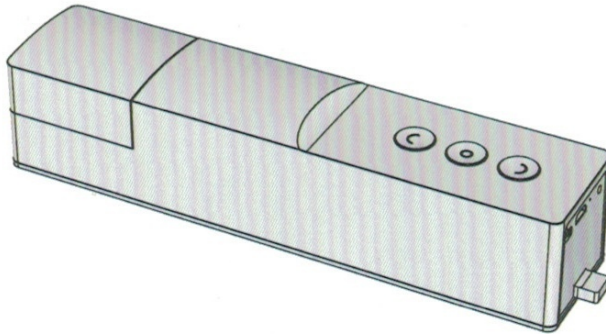# BLIND BEAD CHAIN MOTOR INSTRUCTION

CHAIN MOTOR
BUILT-IN ELECTRONIC RECEIVER

🔊 Super silent design

🔌 Power off and position memory function

📶 Wireless control:
RF remote, ZigBee, Bluetooth

🔋 Built-in lithium battery

🏠 Smart home connection

📍 Percentage control position
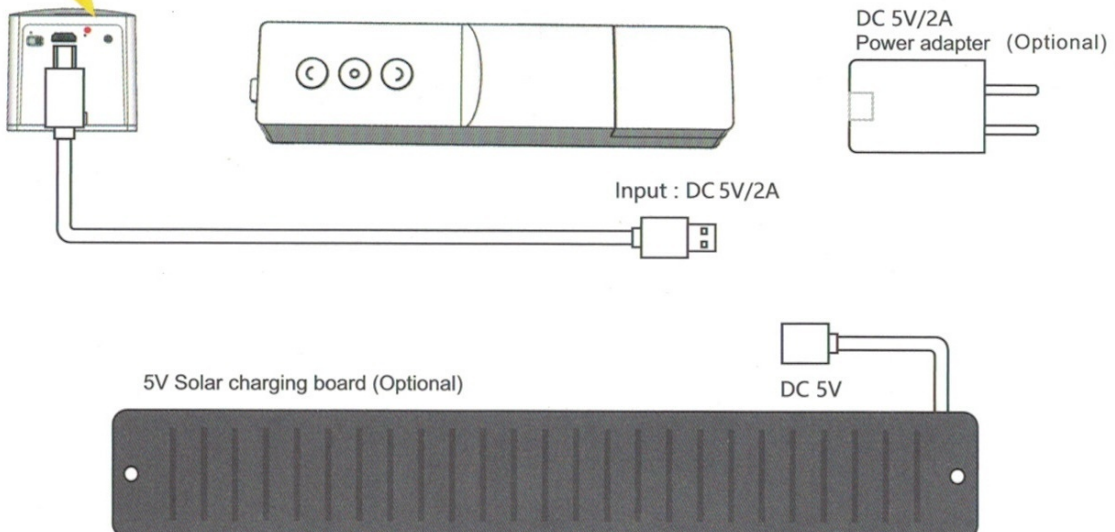
⚙ Inching / continuation move mode

Technical parameters

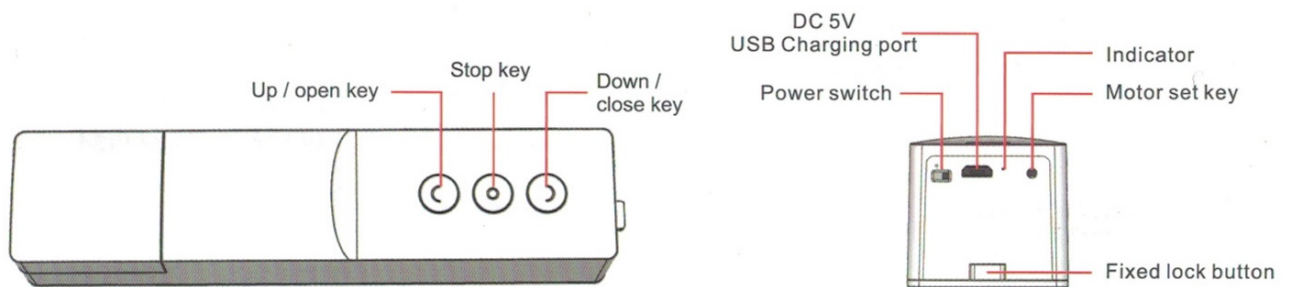| Product model	Input voltage	Power	RPM	Torque	Rated current	Battery capacity
ZM85EL-1x	DC 5V	8W	30rpm	0.5Nm	500mA	7.4VDC/3000mAh

⚠ LOW BATTERY: The motor will raise an alarm with a voice "Di" to warn low battery.
Please charge the device then avoid over-discharge to damage motor or abnormal operation.

Full charge the device for 6 hours before first use.
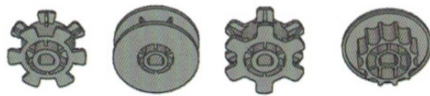**Please charge the device for at least 6 hours every 3 months to prolong the battery life.**

Recharging status: Red light always on when the USB cable plug in power and the motor.
Full recharged: When the USB cable plug in power and the motor, fully recharged, the red light goes off and the green light is on.

DC 5V/2A
Power adapter (Optional)
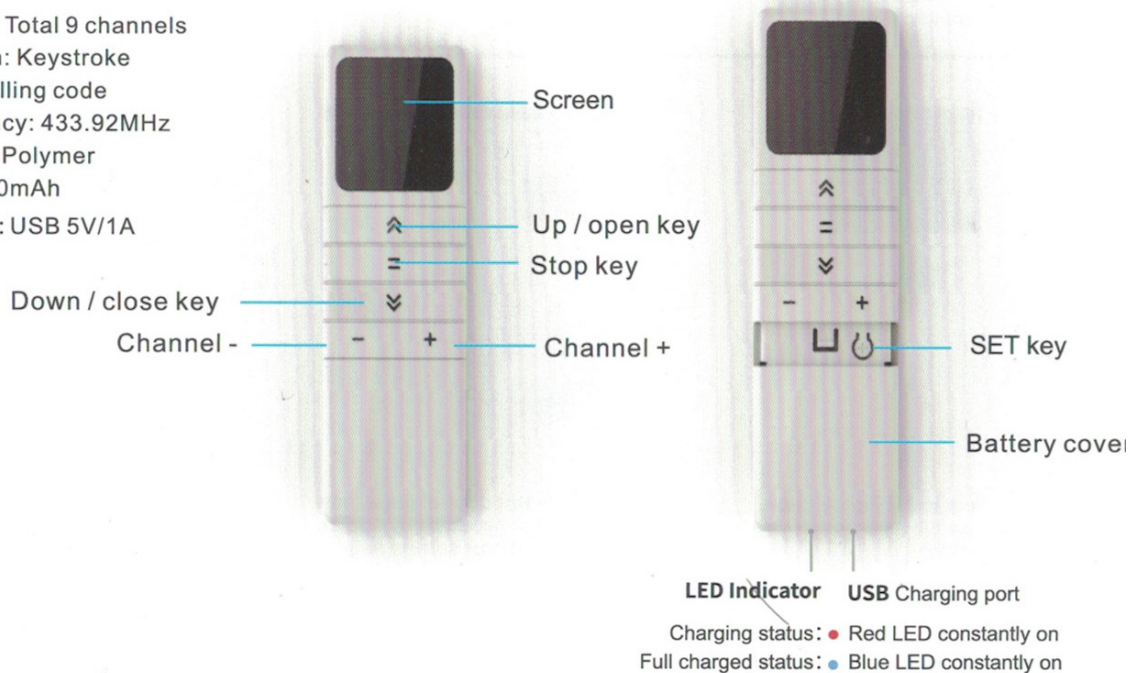
Input : DC 5V/2A

5V Solar charging board (Optional)

DC 5V

Button manual

Up / open key   Stop key   Down / close key

DC 5V USB Charging port   Indicator

Power switch   Motor set key

Fixed lock button

Bead wheels

Compatible cords & chains

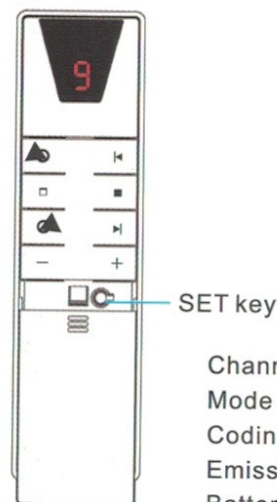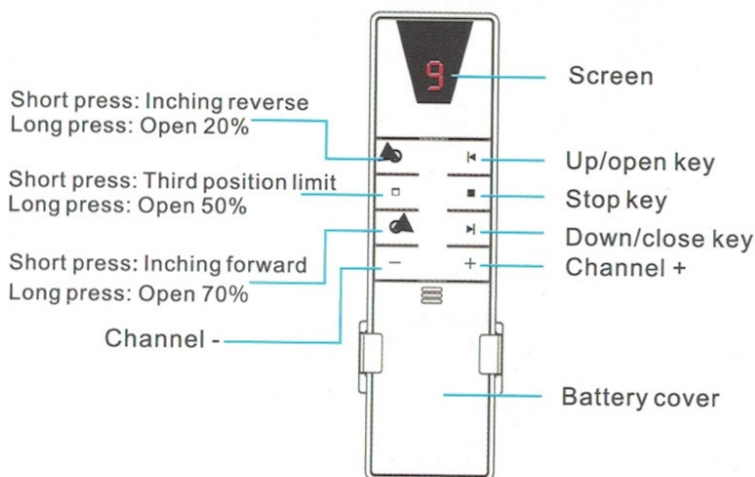|		
Beaded		2.0 mm
Metal Chain		3.0 mm
4.5*6 mm		4.0 mm
4.5*12mm		
3.2 mm		
6 mm		

Remote Control Instruction

ZC168-9 Multi - channel remote

Channel number: Total 9 channels
Modeo fo peration: Keystroke
Coding mode: Rolling code
Emission frequency: 433.92MHz
Battery Type: 3.7 Polymer
Lithium Battery 50mAh
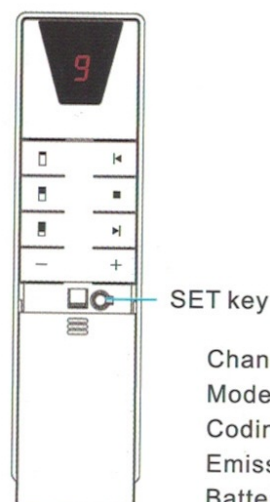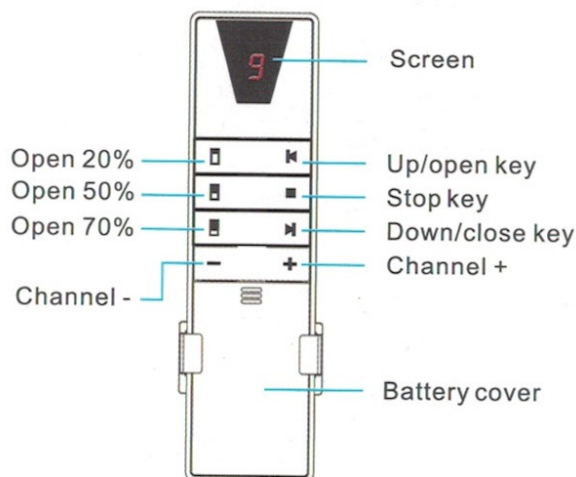Charging voltage: USB 5V/1A

Screen

Up / open key
Stop key

Down / close key
Channel -   Channel +

SET key

Battery cover

LED Indicator   **USB** Charging port

Charging status： ● Red LED constantly on
Full charged status： ● Blue LED constantly on

Remote Control Instruction

ZC175A-9 Multi channel remote

Short press: Inching reverse
Long press: Open 20%

Short press: Third position limit
Long press: Open 50%

Short press: Inching forward
Long press: Open 70%

Channel -

Screen

Up/open key

Stop key
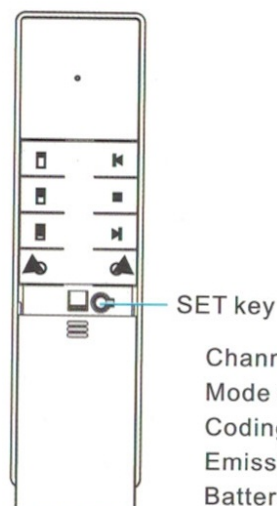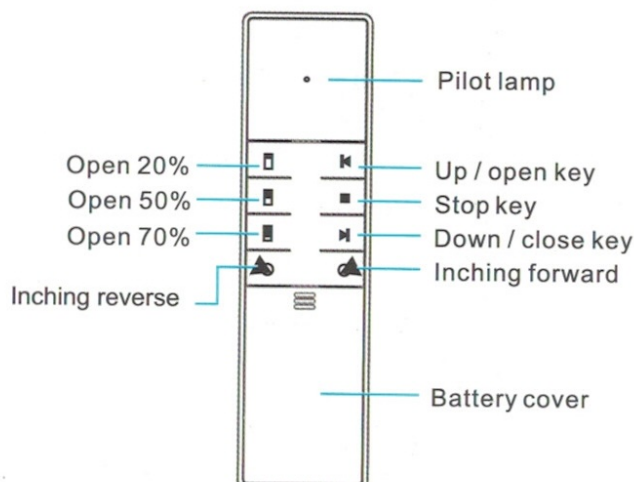
Down/close key

Channel +

Battery cover

SET key

Channel number: Total 9 channels
Mode of operation: Keystroke
Coding mode: Rolling code
Emission frequency: 433.92MHz
Battery Type: 1.5V 2 PCS of AAA Battery

ZC175B-9 Multi - channel remote

Open 20%
Open 50%
Open 70%

Channel -

Screen

Up/open key

Stop key

Down/close key

Channel +

Battery cover

SET key

Channel number: Total of 9 channels
Mode of operation: Keystroke
Coding mode: Rolling code
Emission frequency: 433.92MHz
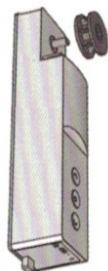Battery Type: 1.5V 2 PCS of AAA Battery

ZC176-1 Single channel remote

Pilot lamp

Open 20%
Open 50%
Open 70%

Inching reverse

Up / open key

Stop key

Down / close key

Inching forward

Battery cover

SET key

Channel number: Total 1
Mode of operation: Keystroke
Coding mode: rolling code
Emission frequency: 433.92MHz
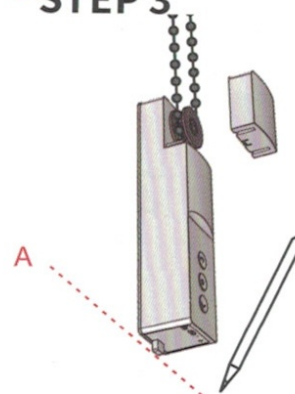Battery Type: 1.5V 2 PCS of AAA Battery

3

Installation steps

STEP 1

Choose the right bead wheel and install it on the motor shaft.

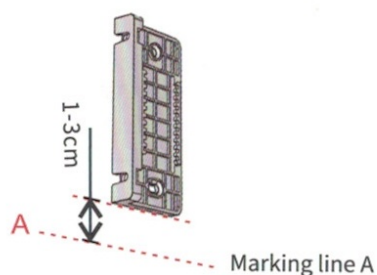## STEP 2

Put the chain bead on the bead wheel.
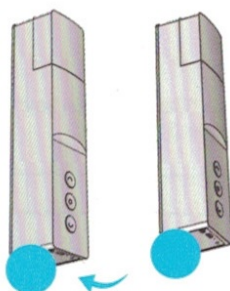
STEP 3

Marking line A
- Close the wheel cover.
- Attach the motor vertically to the fixed wall.
- And tighten the curtain bead chain.
- Draw a marking line A on the wall at the bottom of the motor.
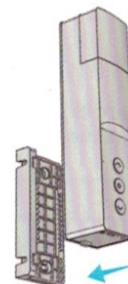
STEP 4

1-3cm

A .... Marking line A

Install the fixed bracket at the position 1-3cm up from the marking line A.
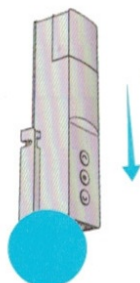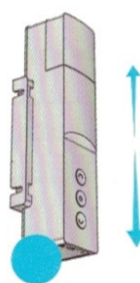
STEP 5

Press the lock button.

STEP 6

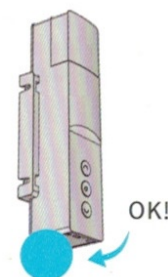Install the chain motor on the fixed bracket.

STEP 7

Move the chain motor to downward.

STEP 8

Move the chain motor up and down to adjust to tighten the bead chain.

STEP 9

OK!

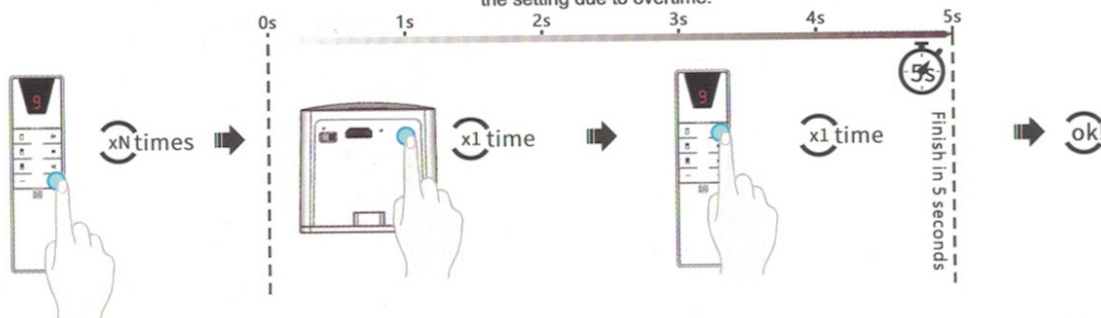After adjustment, release the lock button, the button will automatically pop up as fixed.

Tips : If the bead chain trembles or noticeable rattling sound during operation, it may be that you have not adjusted the bead chain tight enough.

⚠ These operations only work for the remote control within the effective control distance, and the motor is in the power-on state, otherwise it doesn't work.

Connection setting for motor and remote control

Please finish this process within 5 seconds, otherwise it will exit the setting due to overtime.

0s   1s   2s   3s   4s   5s

xN times   ➡   x1 time   ➡   x1 time   Finish in 5 seconds   ➡   ok!

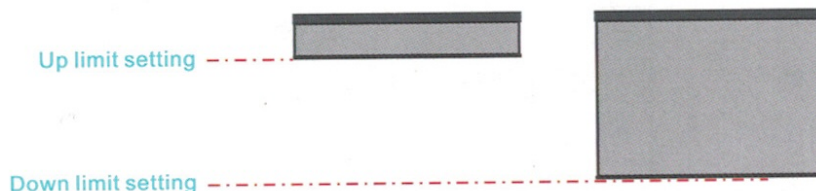Choose one of the channels to connect with the motor by "+" or "-" key.

Press the "SET key" once, then motor with a "Di" sound.

Press the "Up / open key" once within 5 seconds.

Motor successfully set with a "Di" sound.
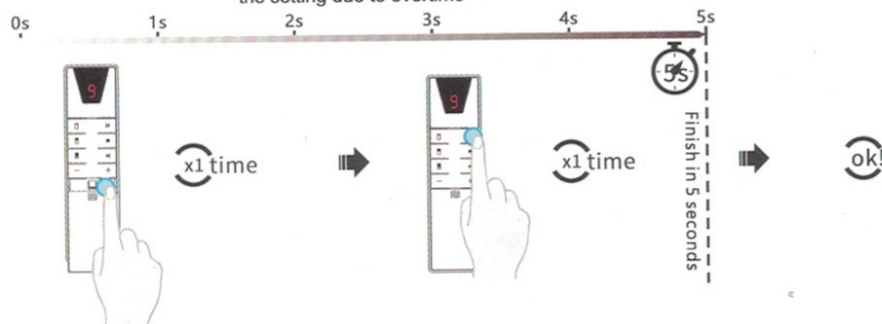
Setting limit

⚠ First, run the motor to the limit position you want to set and pause, and then perform the following operations. If the motor has travel limit already, you need to clear the original travel before resetting it.

Up limit setting —·—·—

Down limit setting —·—·—·—·—·—·—·—

⚠ Up and down limits must be set first, in order to use the percentage control function.

Up limit setting

Please finish this process within 5 seconds, otherwise it will exit the setting due to overtime

0s   1s   2s   3s   4s   5s

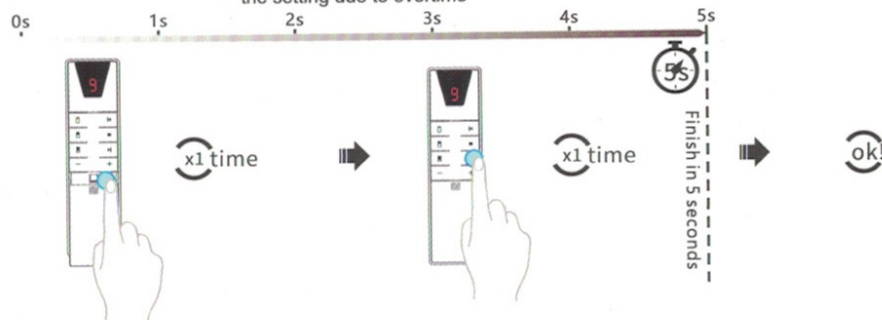x1 time   ➡   x1 time   Finish in 5 seconds   ➡   ok!

Press the remote control "Set key" once, the screen shows 1.

Press the "Up / open key" once within 3 seconds.

Motor successfully set with a "Di" sound.

Down limit setting

Please finish this process within 5 seconds, otherwise it will exit the setting due to overtime

0s   1s   2s   3s   4s   5s

x1 time   ➡   x1 time   Finish in 5 seconds   ➡   ok!

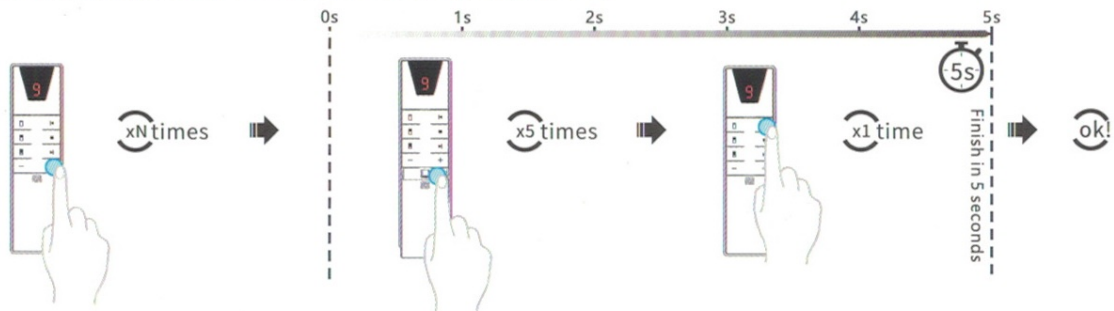Press the remote control "Set key" once, the screen shows 1.

Press the "Down / close key" once within 3 seconds.

Motor successfully set with a "Di" sound.

Delete the remote control from the motor

⚠ These operations only work for the remote control within the effective control distance, and the motor is in the power-on state, otherwise it doesn't work.

Delete the remote current channel from the motor

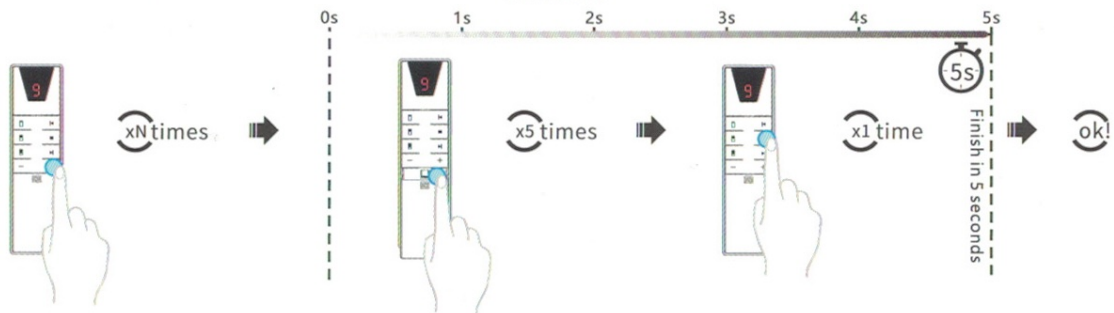|			
xN times	x5 times	x1 time (Finish in 5 seconds, 5s)	ok!
Choose the channel which is connected to the motor by the remote control "+" or "-" key.	Press the remote control "Set key" 5 times, the screen shows 5.	Press the "Up / open key" once within 3 seconds.	Motor is successfully set with a "Di" sound.

Delete current remote from the motor ⚠ To cancel the connection between the motor and current remote all channels.

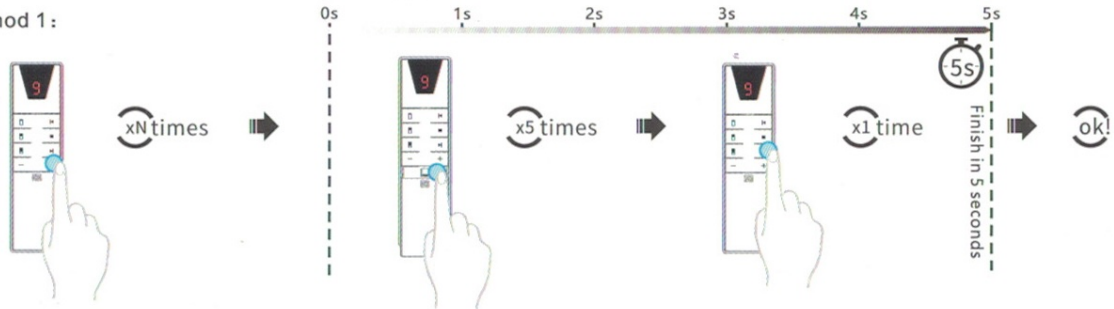|			
xN times	x5 times	x1 time (Finish in 5 seconds, 5s)	ok!
Choose the channel which is connected to the motor by the remote control "+" or "-" key.	Press the remote control "Set key" 5 times, the screen shows 5.	Press the "Stop key" once within 3 seconds.	Motor is successfully set with a "Di" sound.

Delete all remote from the motor ⚠ To cancel the connection between the motor and all remote controls.

Method 1:

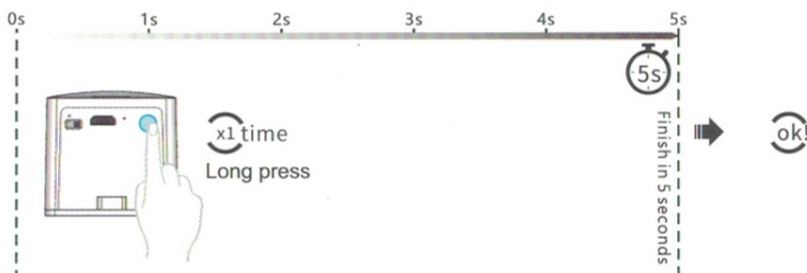|			
xN times	x5 times	x1 time (Finish in 5 seconds, 5s)	ok!
Choose the channel which is connected to the motor by the remote control "+" or "-" key.	Press the remote control "Set key" 5 times, the screen shows 5.	Press the "Down / close key" once within 3 seconds.	Motor is successfully set with a "Di" sound.

Method 2:

x1 time
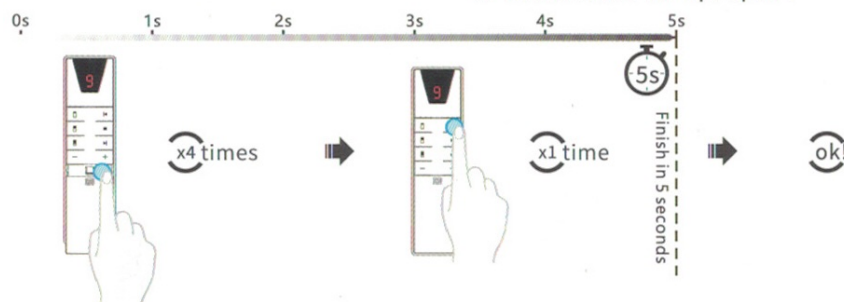Long press → (Finish in 5 seconds, 5s) → ok!

Long press the motor's "Set key" until the motor makes a sound "Di", then release motor in 5 seconds, the motor light flashes rapidly, delete remotes successfuly.

⚠ The following functions can be set as personal needs.

Change the remote control direction

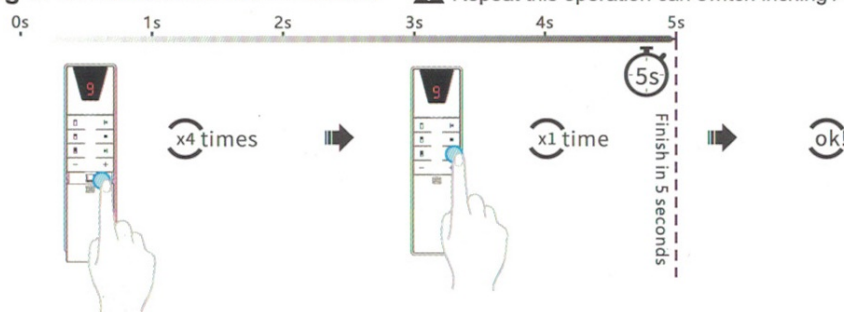⚠ Repeat this operation for "Up / open" to "Down / close", or "Down / close" to "Up / open".

Press the remote control "Set key" 4 times, the screen shows 4.

Press the "Up / open key" once within 3 seconds.

Motor is successfully set with a "Di" sound.

Inching or continuation move action

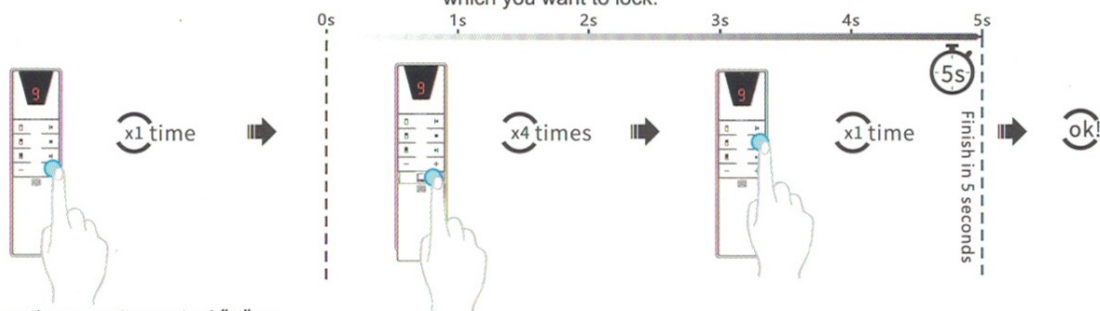⚠ Repeat this operation can switch inching / continuation move mode.

Press the remote control "Set key" 4 times, the screen shows 4.

Press the "Down / close key" once within 3 seconds.

Motor is successfully set with a "Di" sound.

Lock or open the remote channel

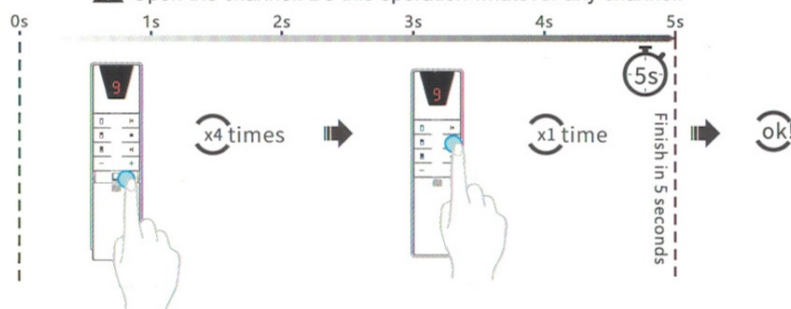⚠ Lock the channel: Do this operation when you have chosen the channel which you want to lock.

Press the remote control "+" or "-" key to choose the channel which you want to lock.

Press the remote control "Set key" 4 times, the screen shows 4.

Press the "Stop key" once within 3 seconds.

Lock channel successfully

⚠ Open the channel: Do this operation whatever any channel.

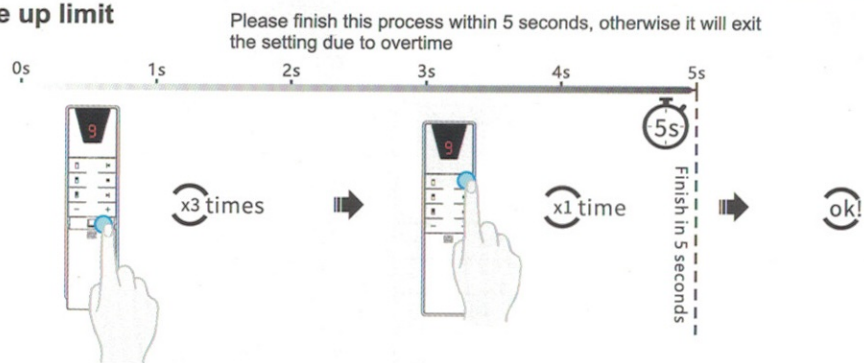Press the remote control "Set key" 4 times, the screen shows 4.

Press the "Stop key" once within 3 seconds.

Open channel successfully

7

Delete limit

⚠ You can delete the limit at any position.

Delete up limit

Please finish this process within 5 seconds, otherwise it will exit the setting due to overtime
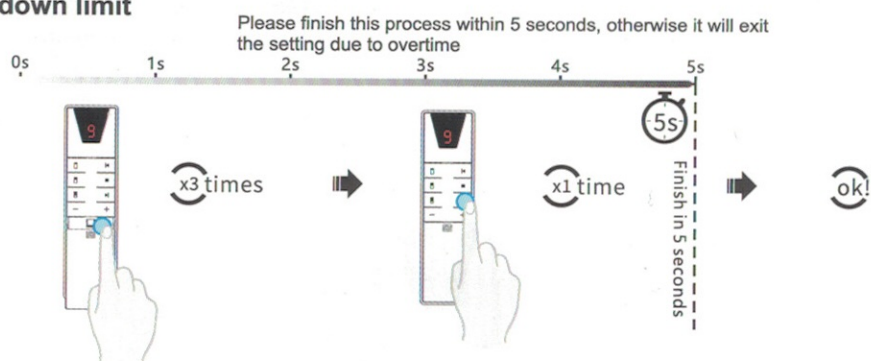

Press the remote control "Set key" 3 times, the screen shows 3.

Press the "Up / open key" once within 3 seconds.

Motor is successfully set with a "Di" sound.

Delete down limit

Please finish this process within 5 seconds, otherwise it will exit the setting due to overtime
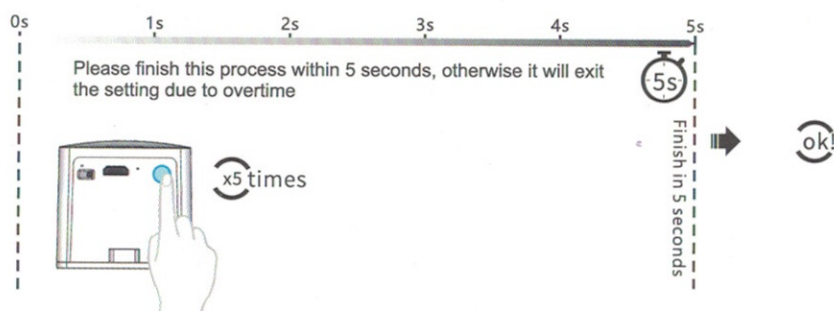

Press the remote control "Set key" 3 times, the screen shows 3.

Press the "Down / close key" once within 3 seconds.

Motor is successfully set with a "Di" sound.

Delete all limits

Please finish this process within 5 seconds, otherwise it will exit the setting due to overtime

Press the motor's "Set key" 5 times within 5 seconds with a "Di" sound, then the motor light flashes rapidly, deleted limit successfully.