Curtain Motor

ORIGINALITY   QUALITY

curtain motor makes you easy life

Smooth Running	Radio Control	Manual Operation	Large Load	Assembled Fast	High Technology

FEATURES

Intelligent curtain motor for every common home

Manual Operation: When powered on, the curtain could be pull by hand with 10cm. Then the curtain open or close automatically

Manual operation without power: Without power, the curtain could be controlled by hand

Obstacle stop function: the motor could stop when it meets obstacle ,in order to protect the system

Automatical position: motor could remember the close and open position, users do not need to reset.

Multi-control: users can choose different ways to control, such as emitter or swtich.

Freely assembling: DIY design and customized tracks.

MOTOR PARAMETER

Rated Torque	Nominal Voltage	IP	Nominal Consumption
1.2 Nm	AC100v~240v 50Hz／60Hz	IP20	40W
2 Nm	AC100v~240v 50Hz／60H	IP20	80W

EXPLODED VIEW
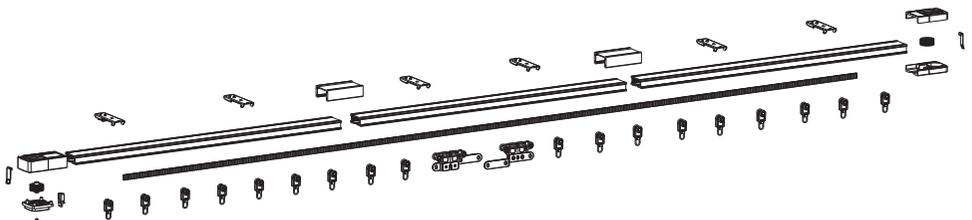
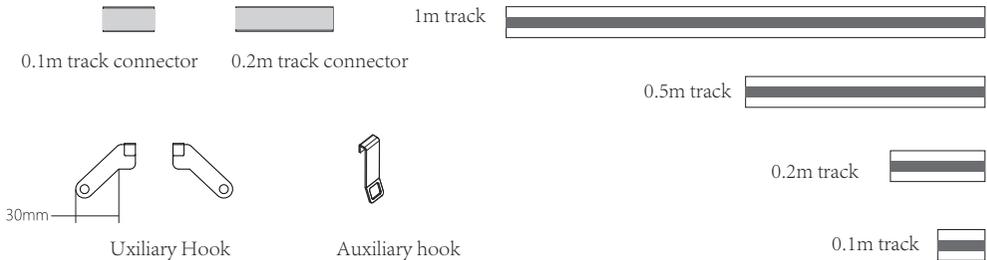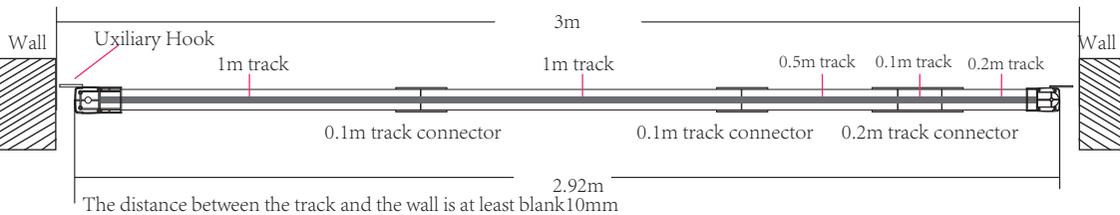| Cuitain Motor	Master gear box	Sub gear box	Carrier	Ceiling Bracket	Hook	Belt	Track	Runners	Connection

The solutions of intelligent curtain model

	Total length	Length of track (mm)	Track connector (mm)	Length of adjustable track(mm)					Suitable size
				Length of track(mm)			Track connector(mm)		
		1000	100	500	200	100	200	100	
1	2.2m	1	1	1	2	1	1	1	＜2.16m
2	3.2m	2	2	1	2	1	1	1	2.16m-3.16m
3	4.2m	3	3	1	2	1	1	1	3.16m-4.16m
4	5.2m	4	4	1	2	1	1	1	4.16m-5.16m
5	6.2m	5	5	1	2	1	1	1	5.16m-6.16m
6	7.2m	6	6	1	2	1	1	1	6.16m-7.16m
7	8.2m	7	7	1	2	1	1	1	7.16m-8.16m

Remarks： 1.The tracks with length of 500mm 、200mm、100mm are adjustable tracks, 200mm、
100mm track connectors are connecting pieces for adjustable track, please take notice
notice that the shortest track should be mounted on the head of the curtain tracks （closest position to the wall ）.
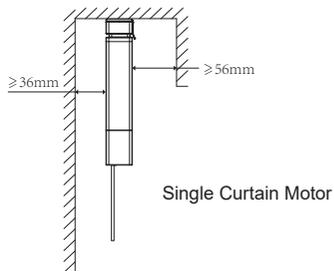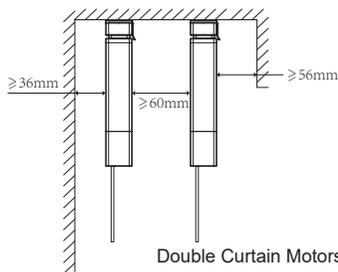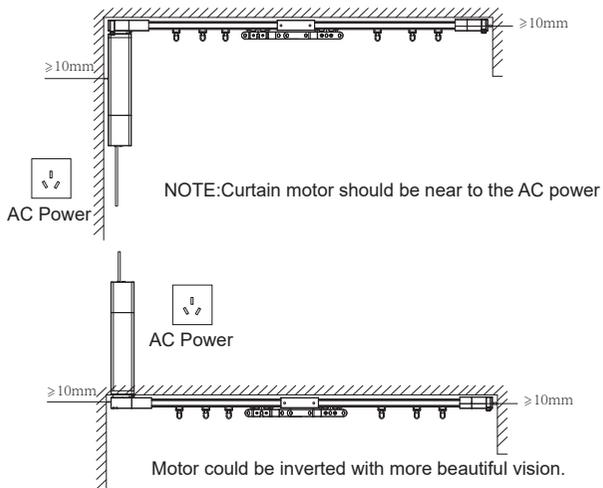2.Optional accessories:Side mounting bracket, 90 degree angle

0.1m track connector   0.2m track connector   1m track

0.5m track

30mm

Uxiliary Hook   Auxiliary hook

0.2m track

0.1m track

Example:track connect solution

Wall

3m

Uxiliary Hook

1m track   1m track   0.5m track   0.1m track   0.2m track

Wall

0.1m track connector   0.1m track connector   0.2m track connector

2.92m

The distance between the track and the wall is at least blank10mm

Pay attention to the solution and the position of 0.1m track connector and 0.2m track connector when you use them
Center opening +Subsidiary opening=0.12m(length)
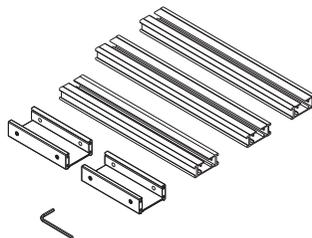The distance between the track and the wall is at least blank 10mm

Curtain Track Dimension & Measurement

≥10mm

≥10mm

AC Power

NOTE:Curtain motor should be near to the AC power

≥36mm

≥60mm

≥56mm

Double Curtain Motors

AC Power

≥10mm

≥10mm

Motor could be inverted with more beautiful vision.

≥36mm

≥56mm

Single Curtain Motor

Track Installation Steps

Three sections as an example

① Allen wrench

② Connections

③ Tracks

❶ Place the tracks and connection on flat ground

①

②

❷

① Push the tracks into the connections.

② Let the tracks closed in the connection,
then tighten the screws through Allen wrench.

NOTE: through tightening the screws, users can adjust
the gap of two tracks. No gap, no dislocation.

CLOSED   GAP   DISLOCATION
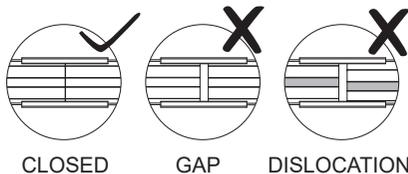
Cutting belt measuring tools instruction manual

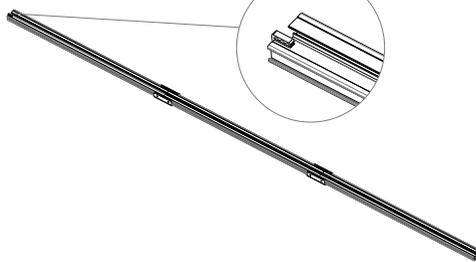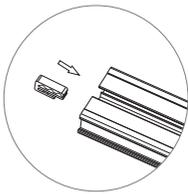Remark:Only applicable double direction opening belt cutting
Double opening direction track needs making two equal length belts in the same way.
The length of belt for single track is the total length of belt for double track plus two teeth. (Just one, don't cut in the middle)
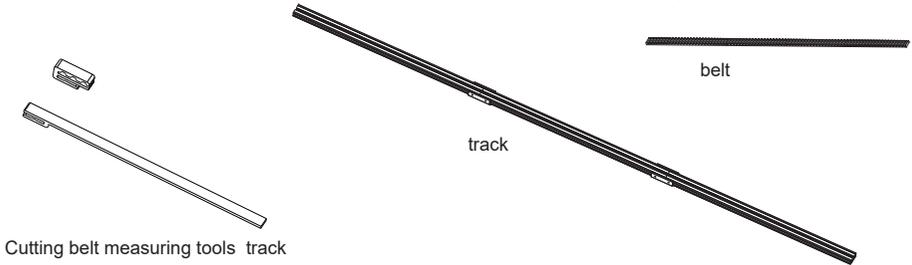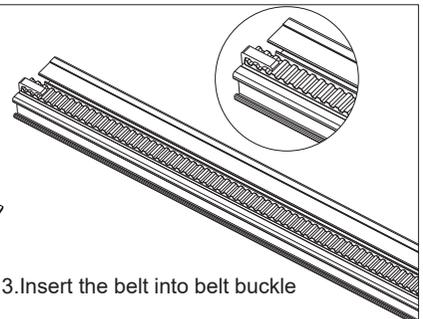
belt

track

Cutting belt measuring tools track

Take the tail set fixed at 1 end
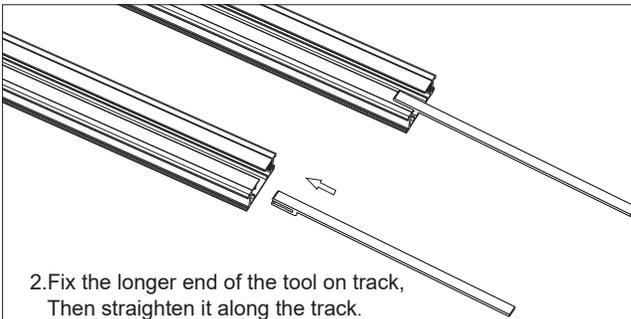
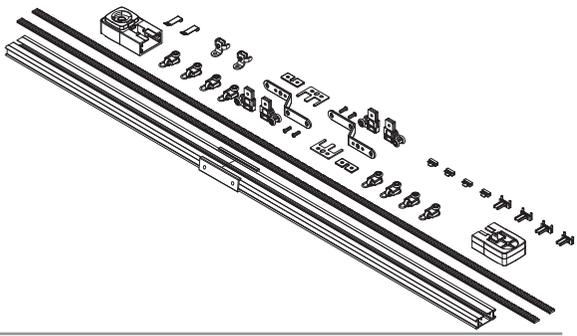2.Fix the longer end of the tool on track,
  Then straighten it along the track.
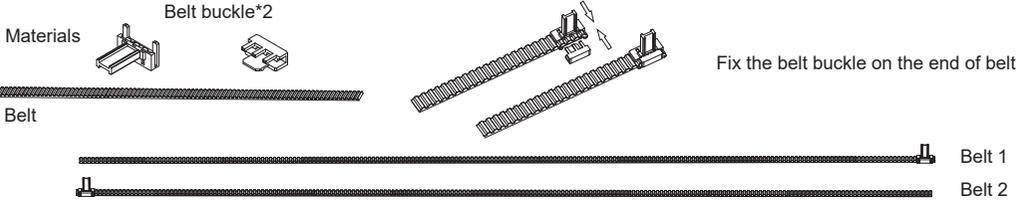
3.Insert the belt into belt buckle

4.Straighten the belt

5,Cut the belt in the equal place
of measuring tool

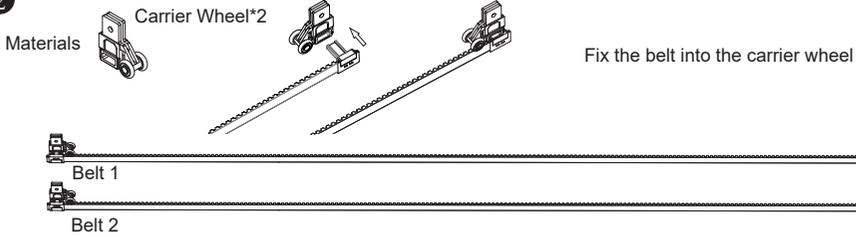# Double-side Open Track Installation Steps

*Length of Belt=length of track + 11cm:
 Customer needs 2 belt in same length.
*Runners: 8pcs per meter; integer forward
*2pcs hooks
*2pcs carriers for Double-side Open
2 sections track as an sample

❶

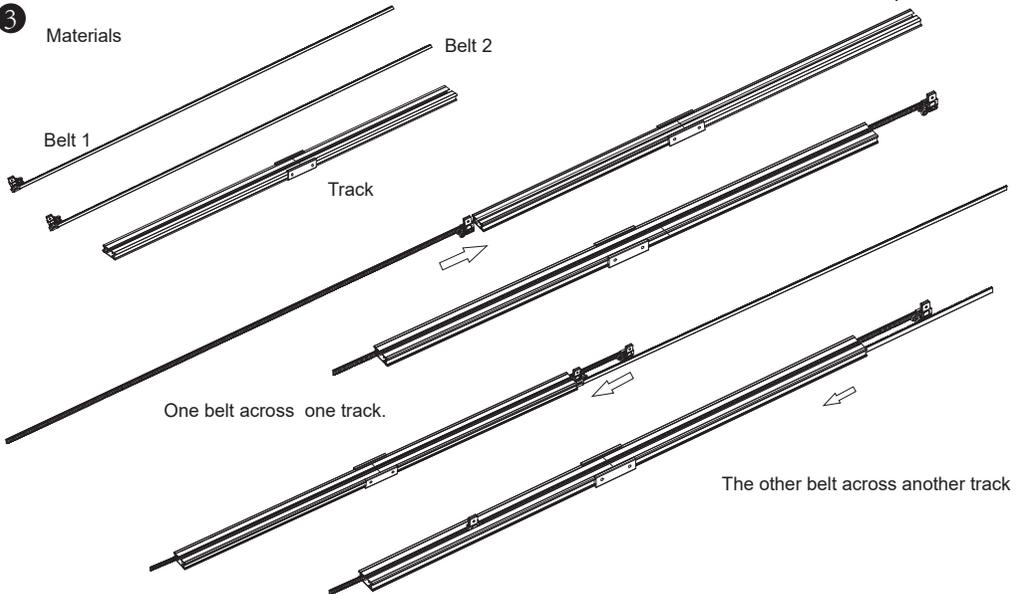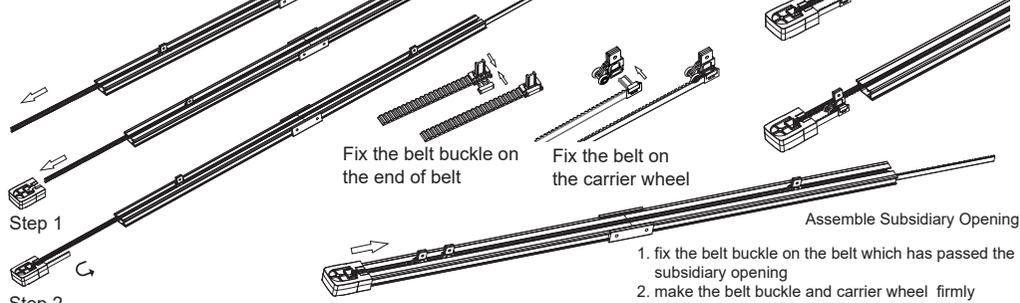Materials

Belt buckle*2

Belt

Fix the belt buckle on the end of belt

Belt 1

Belt 2

❷

Materials

Carrier Wheel*2

Fix the belt into the carrier wheel

Belt 1

Belt 2

❸

Materials

Belt 2

Belt 1

Track

One belt across one track.

The other belt across another track

④ Materials

Subsidiary opening Belt buckle Carrier wheel

Pull out one belt from the track

Step 1

Step 2

The belt across the subsidiary opening

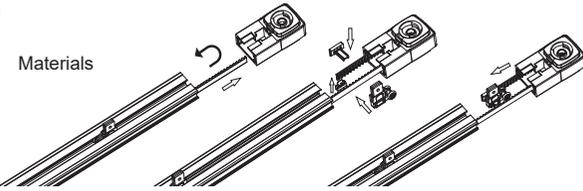Fix the belt buckle on the end of belt

Fix the belt on the carrier wheel

Assemble Subsidiary Opening

1. fix the belt buckle on the belt which has passed the subsidiary opening
2. make the belt buckle and carrier wheel firmly
3. pass the carrier wheel through the track, and push the track in subsidiary opening
4. make the subsidiary opening and track firmly

⑤ Materials

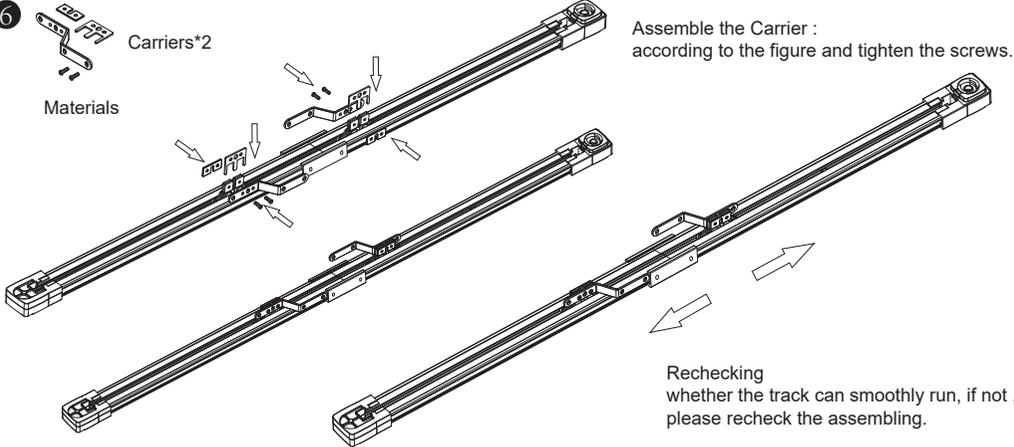Center opening Carrier wheel Belt buckle

Assemble Center Opening

1. the belt across the center opening
2. fix the belt buckle on the end of belt
3. pass the carrier wheel through the track
4. make the center opening and track firmly

⑥ Carriers*2

Materials

Assemble the Carrier :
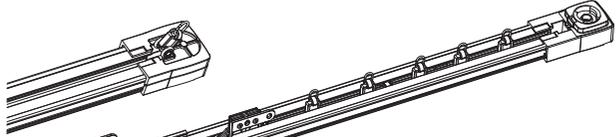according to the figure and tighten the screws.

Rechecking
whether the track can smoothly run, if not , please recheck the assembling.
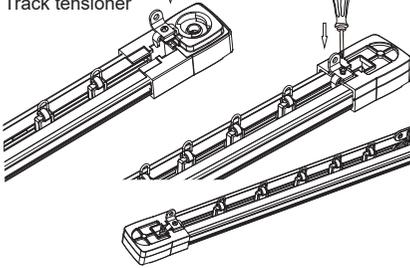
❼ Materials

Runners

Put the runners into track,
please note 8pcs for every meter.
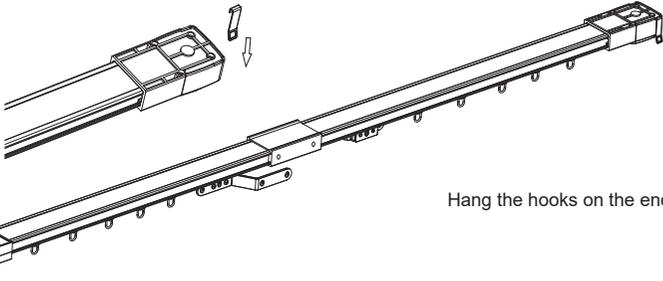And the quantity must be same in both side.

⑧ Materials
Track tensioner
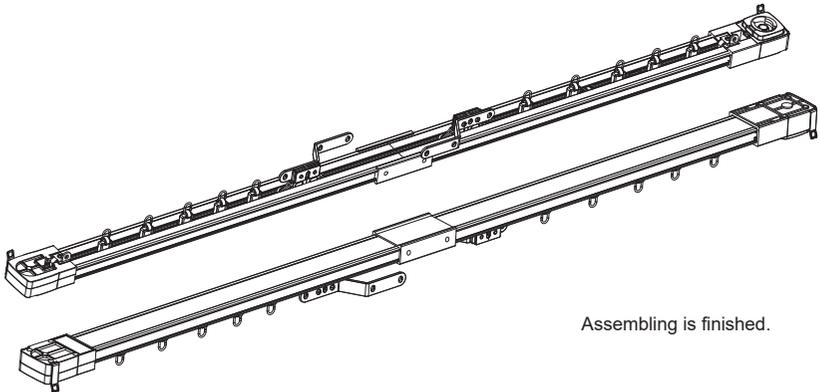
Lock the tensioner on the both ends of the belt

⑨ Hooks*2

Hang the hooks on the ends of the track

⑩

Assembling is finished.

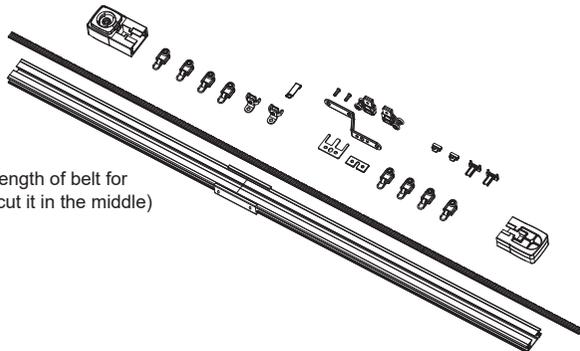# Single-side Open Track Installation Steps

*The length of belt for single track is the total length of belt for double track plus two teeth.(Just one, don't cut it in the middle)
*Runners: 8pcs per meter; integer forward
*1pcs hook
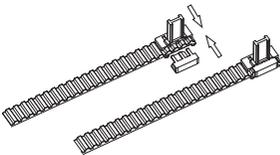*1pcs carrier for single-side opening
2 sections track as an sample
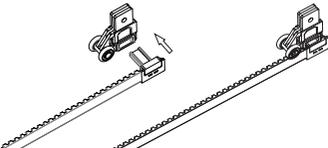
❶

Materials

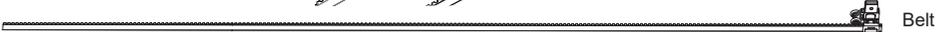Belt buckle

Belt

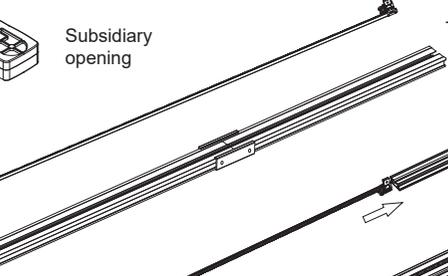Fix the belt buckle on the end of belt

Belt

❷

Materials

Carrier Wheel

Fix the belt into the carrier wheel
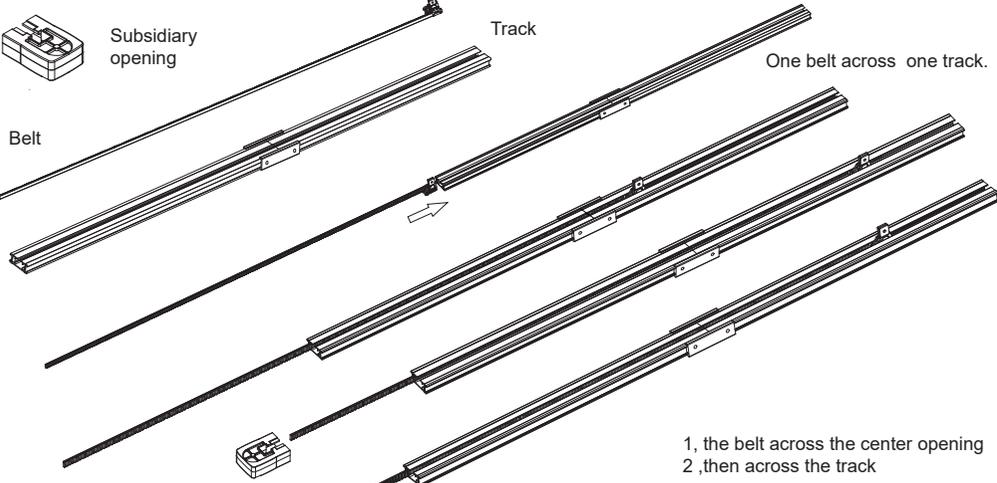
Belt

❸

Materials

Subsidiary opening

Track

One belt across one track.
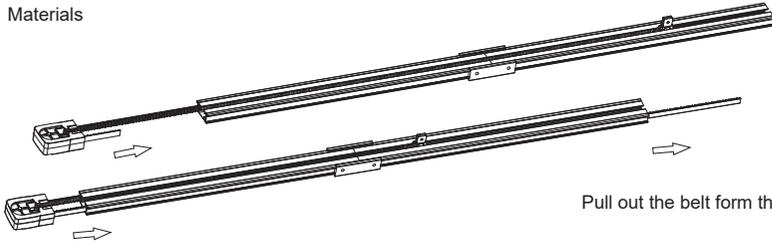
Belt

1, the belt across the center opening
2 ,then across the track

Step 1

Step 2

8

④ Materials

Pull out the belt form the other side of the track
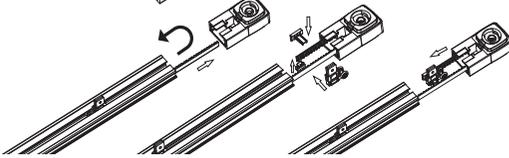
⑤ Materials

Center opening

Carrier wheel

Belt buckle

Assemble Center Opening
1. the belt across the center opening
2. fix the belt buckle on the end of belt
3. pass the carrier wheel through the track
4. make the center opening and track firmly
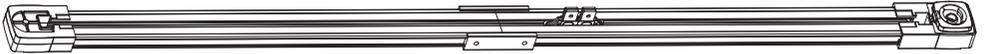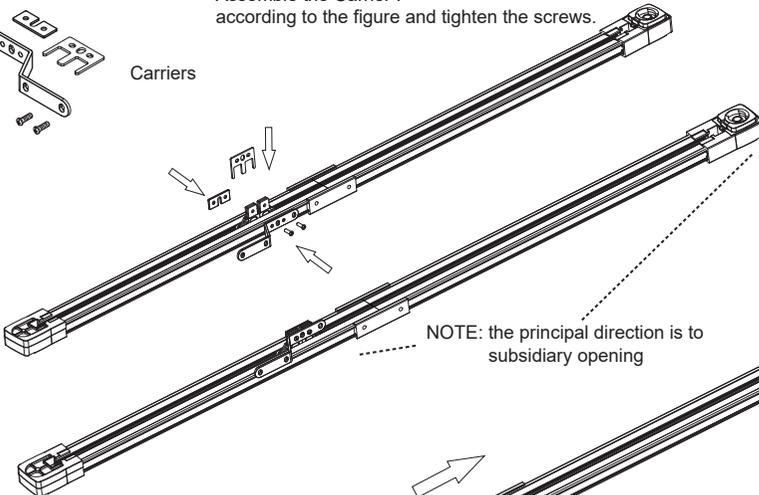
⑥ Materials

Assemble the Carrier :
according to the figure and tighten the screws.

Carriers

NOTE: the principal direction is to
subsidiary opening

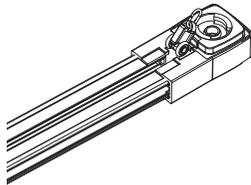Rechecking
whether the track can smoothly run, if not ,
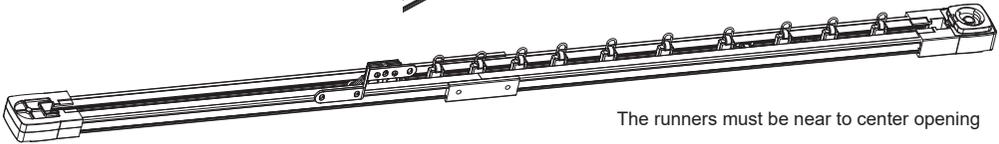please recheck the assembling.

❼ Materials

Runners

Put the runners into the track,
please note 8pcs for every meter.

The runners must be near to center opening

❽ Materials
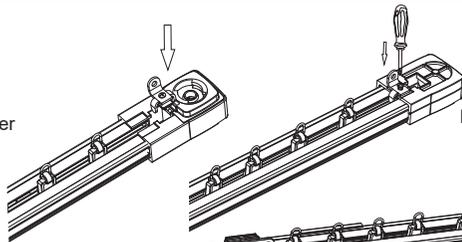
Track tensioner

Lock the tensioner on the both ends of the belt
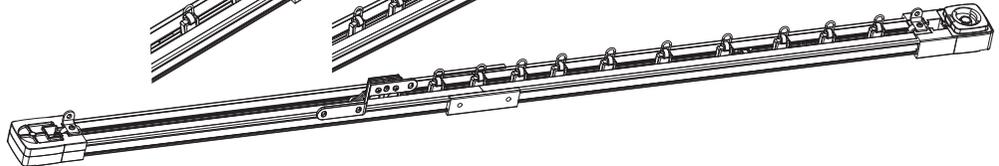
⑨
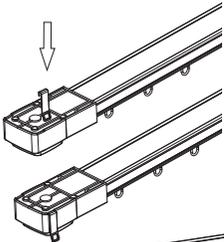
Materials

Hooks

Hang the hooks on the ends of the track

⑩
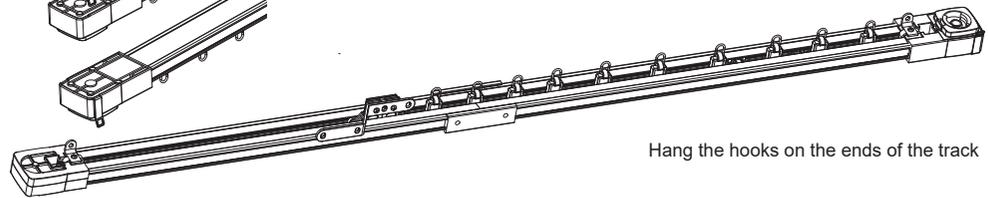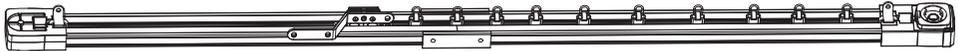
Motor side
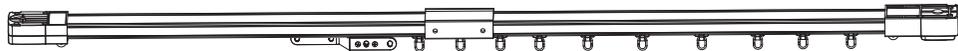
Assembling is finished.
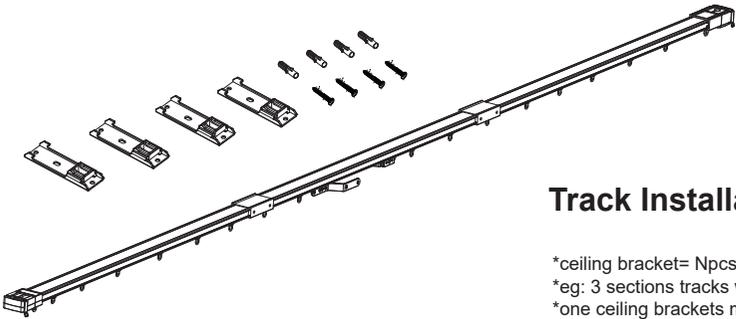
Track Installation Steps

*ceiling bracket= Npcs section+1pcs
*eg: 3 sections tracks with 4 ceiling bracket
*one ceiling brackets must be near to connection.
*two ceiling brackets should be close to both opening.
3 sections track as an sample

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1 Location of Ceiling bracket

Materials
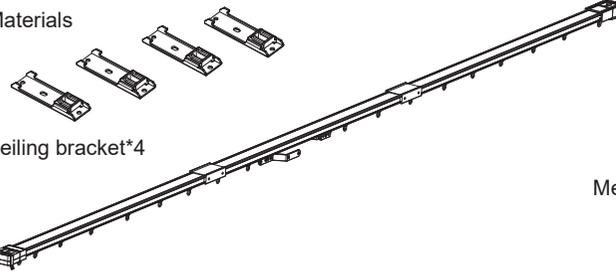
Ceiling bracket*4

Measuring the distance in advance

| 120mm | Distance | Distance | Distance | 120mm |
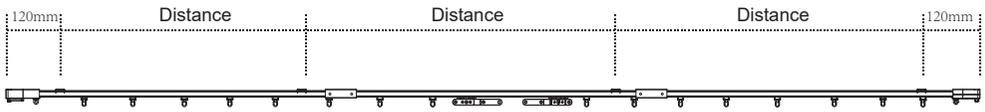
NOTE: One of the ceiling bracket must be near to the connection
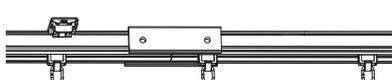
② Fix the Ceiling bracket

Ceiling bracket*4 & screws

If the wall is concrete or lime wall, please expansion screw

If the wall is a wooden board, fix the screw directly.

(After fixing, the screw must be able to withstand the total weight of the motor, track and curtains.)
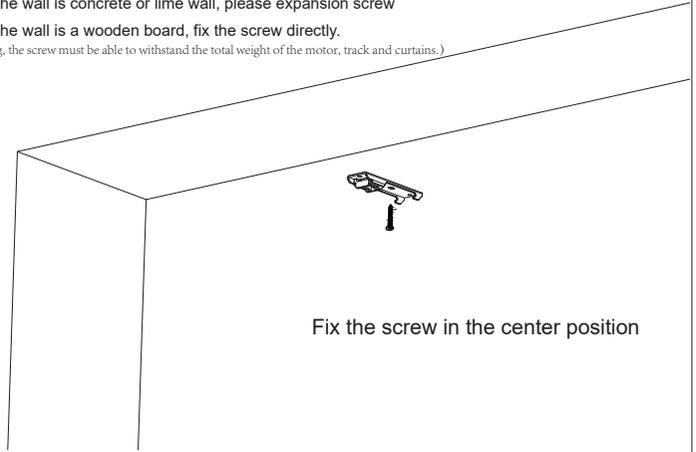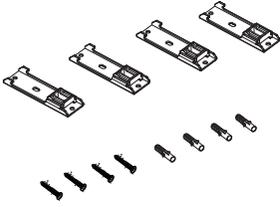
Fix the screw in the center position
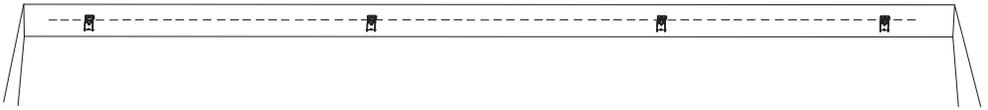
After determine the location, mounting the ceiling bracket

(Please make sure the screws are on the same line)

③ Track Installation

Materials   Track*1
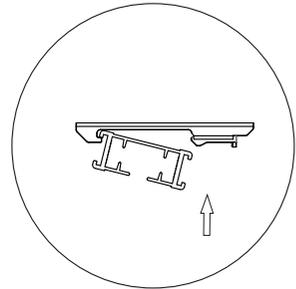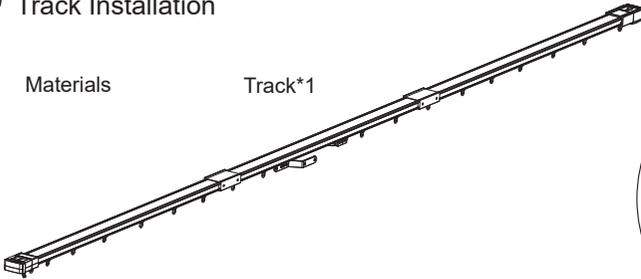
Insert one side of the track,then push and make the track fully go into the ceiling bracket

④ TEST

Assembling finished
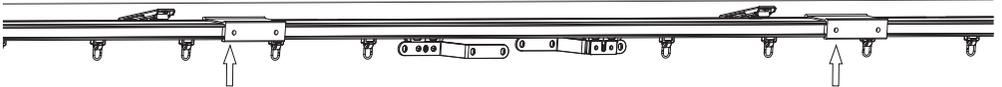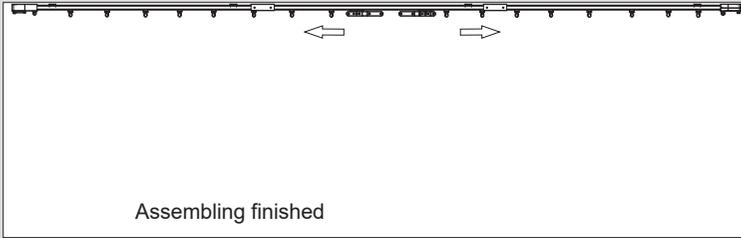
NOTE:
1. recheck the carrier, whether the track can smoothly run, if not ,please recheck the assembling.
2. recheck the connections,keep the connections and track close.
3. the hook should face to the users,not to the wall.

Disassembly of track   Follow the steps

Original state

Tlide the lock

Ceiling bracket lock
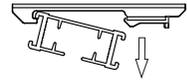
Take off the track

MOTOR

❶ Materials
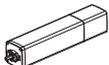
Motor

Track

Shaft & spigot
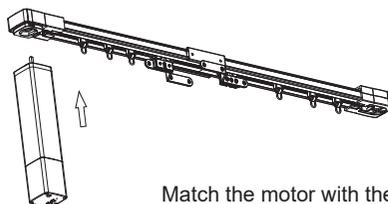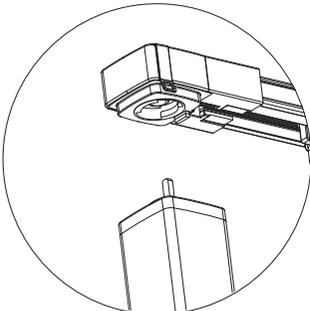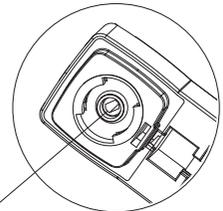
Match the motor with the spigot of the center opening

❷
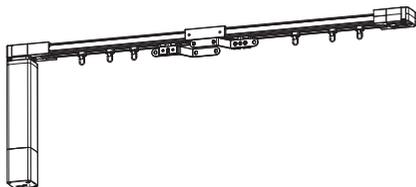
Complete matching

❸
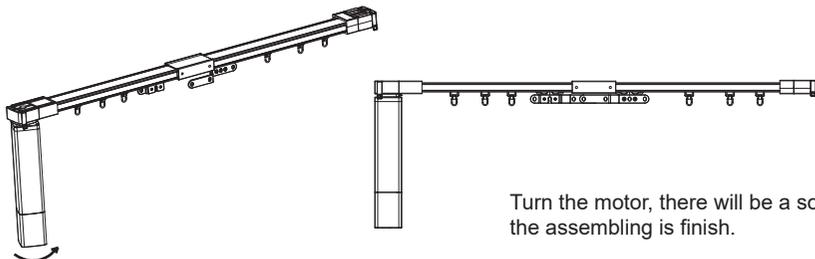
Turn the motor, there will be a sound of lock. the assembling is finish.

Disassembly of motor

❶

Push up the lock

❷
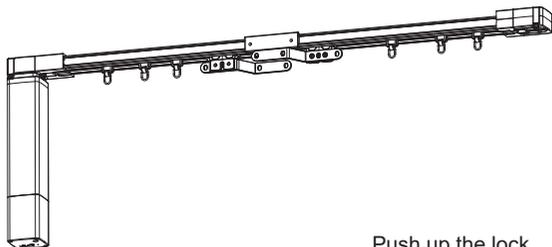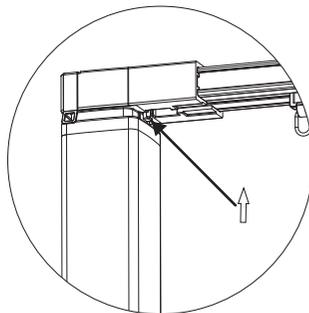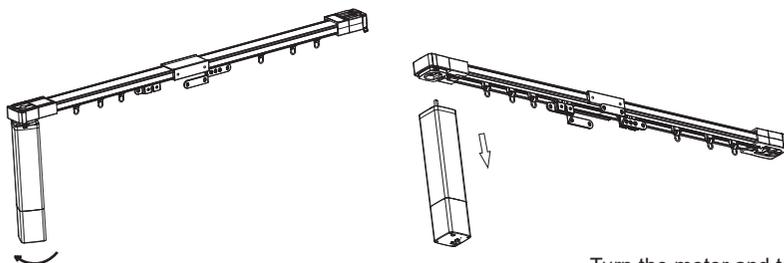
Turn the motor and take it off.

❸
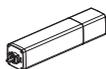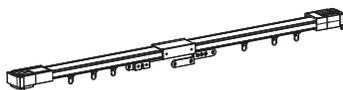
Disassembly is finished.

Motor   Track

Emitters

CLOSE STOP OPEN

PROGRAM

The reverse side

CLOSE
STOP
OPEN

PROGRAM

The reverse side

Bracket for wall fixation

CLOSE STOP OPEN
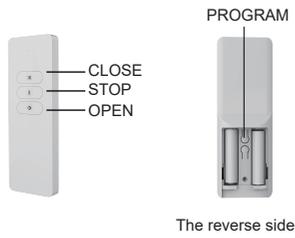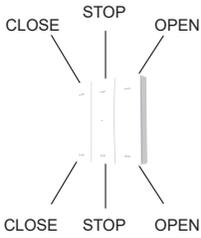
Code Matching

Motor is powered on,the light glitters twice and then extinguishes.Within 10s, the motor is in being matched state. After 10s, the being matched state will be closed automatically. The light will extinguish after 3s.

Motor have 3 methods for matching. Powered on, Short press PROGRAM and Copy.

When the motor is in being matched state, users press the PROGRAM of a totally new emitter,
the motor will vibrate once in every direction.Then the code matching of the new emitter is successful.

Method Ⅰ: Powered On

Motor is powered on,the light glitters twice and then extinguishes.Within 10s, the motor is in being matched state. After 10s, the being matched state will be closed automatically. The light will extinguish after 3s.

First press the STOP once

Press the PROGRAM (new emitter)

The motor will vibrate once in every direction.Code matching is successful.

Method Ⅱ: Short press PROGRAM

Motor was powered on, press the MATCH button once.

First press the STOP once

Press the PROGRAM (new emitter)

The motor will vibrate once in every direction.Code matching is successful.

Method Ⅱ: capy code

Press the STOP button

Press PROGRAM button

The motor will vibrate once in every direction.

Press the PROGRAM with 3 seconds

There two emitters can control the motor

The motor will vibrate once in every direction.

Press the PROGRAM

The motor will vibrate once in every direction.Now the motor is in being matched state.

Control the curtain

Press CLOSE the curtain close.

If the curtain run in a different direction from the order of emitter please set the Direction Change function.

Press OPEN the curtain open

Running   Manual operation

Open the curtain by hand

Close the curtain by hand

15
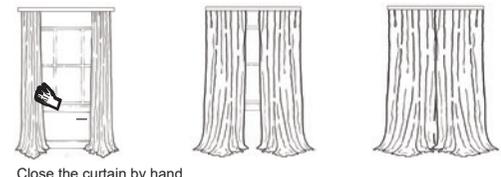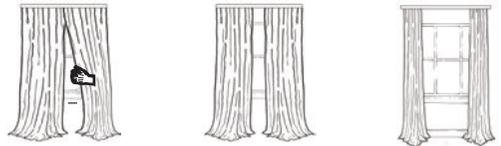
Close the Manual operation Function

Press the STOP & OPEN together till the motor vibrate. The Manual operation function is closed. Users pull the curtain by hand,but motor can not run. Repeat this operation, this function will restart.

Press the STOP & OPEN together

The motor will vibrate once in every direction

Open the Manual operation Function

Press the STOP & OPEN together till the motor vibrate. The Manual operation function is closed.User can pull the curtain by hand ,and the motor can run also. Repeat this operation, this function will restart.

Press the STOP & OPEN together

Manual operation Function is opened

Setting the position

When powered on, the curtain will run without any setting. But motor will calculate the length in order to set the open&close position. And new position will replace the old one.

Open position setting is finished.
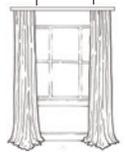
Press STOP button

The motor will vibrate once in every direction

Press OPEN button

The motor vibrate once again.

The operation is same for setting the position of another direction

If the distance of two positions is less than 30cm, the setting is failed.

Delete the position

Press STOP button

Short press PROGRAM

The motor will vibrate once in every direction

Press STOP button

Press OPEN button

The motor vibrate once again.

2.Long press the MATCH button, the light will glitter 3 times. Then the motor will vibrate once, all the positions are deleted.

The method is same for deleting the position in another direction
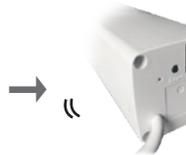
Long press MATCH button

The light glitters 3 times

The motor vibrates once again.

Deleting is finished.

3，Repeat the electricity

Intermediate position

Press STOP button → Short press PROGRAM → The motor will vibrate once in every direction → Short press STOP 3 times → The motor vibrate once in every direction. The Intermediate position is finished.

Open position
Close position
position

The motor could only remember the latest intermediate position

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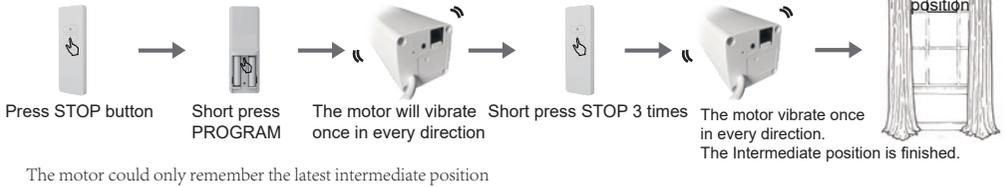
Start the Intermediate position

Long press STOP within 3 seconds,
the motor will run to the intermediate position automatically.

long press STOP within 3 second

The motor will run to the intermediate position automatically

Intermediate position
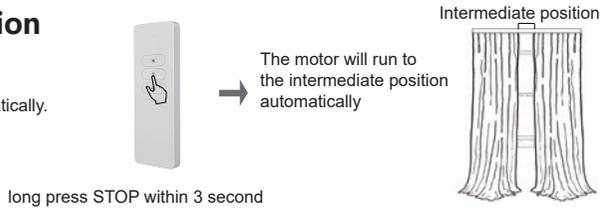
Delete Intermediate position

Method 1: powered on again, all positions are deleted.
Method 2: long press MATCH button

Direction Change

When the motor run in different direction which is not same as the emitter order, user could operate as follows:

Press CLOSE & OPEN together → The motor will vibrate once in every direction → short press STOP 3 times S → The motor will vibrate once in every direction → Direction Change is finished

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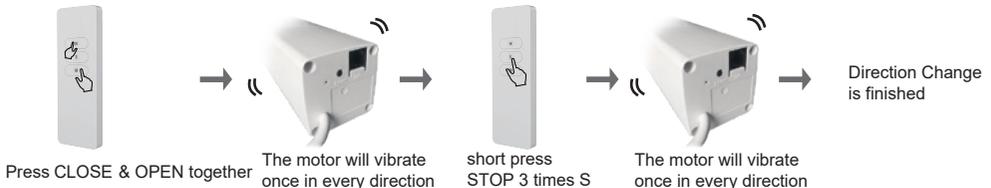
Delete the current emitter

Press CLOSE & OPEN together → The motor will vibrate once in every direction → Press CLOSE 3 times → The motor will vibrate once in every direction → Deleting the current emitter is finished → The current emitter can not control the motor

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Delete all emitters

Press OPEN adn CLOSE together, the motor will vibrate. Then press OPEN 3 times,the motor vibrate again. Delete all emitters.

Press CLOSE & OPEN together → The motor will vibrate once in every direction → Press OPEN 3 times → The motor will vibrate once in every direction → Delete all the emitters → All emitters can not control the motor

Factory reset

After factory reset, the motor will lose all positions. At this time, the first manual function will as the first choice .

Press STOP button → Short press PROGRAM → The motor will vibrate once in every direction → Long press STOP 7s until motor vibrates → The motor will vibrate 3 time

All positions were lost and codes were deleted . At this time, the first manual function will as the first choice .

NOTE:
1. When the motor stop running or finish the setting, the light will keep bright in 3 seconds.
2. after 4mins running , the motor will stop to protect.
3. if the motor is too hot, it will stop to protect. With the temperature dropping, the motor will restart.

RJ116P6C Connection

RJ116P6C

123456

1 Reserve cable
2 Public cable
3 Reserve cable
4 control cable A
5 control cable B
6 Reserve cable

Outside switch network port
MATCH
Light

Earth (yellow green)
L Direction (brown)
N Neutral (bule)

AC230V
50HZ

BCM100

Manual switch（RJ11）
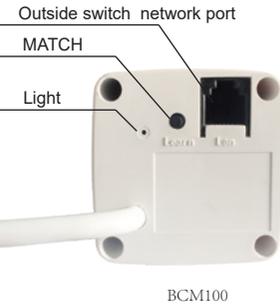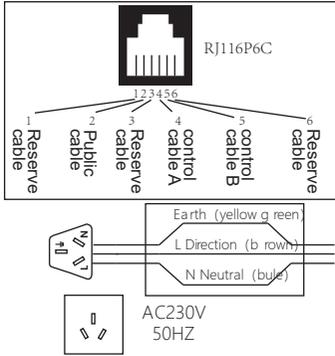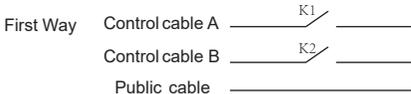note：manual switch is the default setting.

Press STOP and CLOSE together → The motor vibrate once in every direction. the manual switch function is started.

Through this operation, motor will change the following manual switches in turn.

First Way

Control cable A —— K1
Control cable B —— K2
Public cable

The switch is open when the motor is stop

Close K1 switch, and open K2 , curtains with open,and the motor stops running

Open K1 and K2 switch, the motor will stop running.
Open K1 switch, and close K2, the motor will stop (start) running.

Open K1 and K2 switch, the motor stops running.

Second Way

Control cable A —— K1
Control cable B —— K2
Public cable
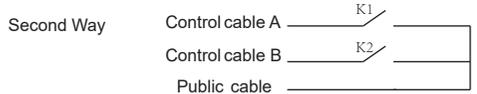
The switch is open when the motor is stop

Close K1 switch and open K2, the curtains open and the motor stops running.
Open K1 and K2 , the motor keeps running.
Close K1,and open K2 again, the motor stops running.
Open K1 and K2 again, the motor stops running.
Open K1 and close K2, the motor stops running.
Open K1 and K2, the motor keeps running.
Open K1,and close K2 again, the motor stops running.
Open K1 and K2, the motor stops running.

The Third Way

Control cable A —— K1
Public cable ——————— ①
Or
Control cable B —— K2
Public cable ——————— ②
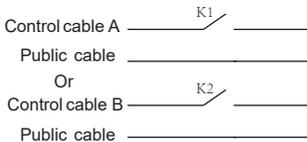
① and ② have the same function, take ① as the example

When the motor stops running and K1 is opening, users close K1, the motor will stop running.
Open K1, motor keeps running. Close K1, motor will stop running.
Open K1, motor stops running. Close K1, the motor stops or starts
Open K1, motor keeps running. Close K1, motor stops. Open K1, motor stops.
Steps as a circle

PROBLEM & SOLUTION

* **Not smoothly running: adjust the screws of the connections.**
* **Motor stops running: check the electricity and voltage**
* **Emitter : check the battery and code matching.**
* **temperature protection: the AC motor will stop with long-time running. But manual operation function is still available , also motor will remember the position.**

GardiKit
Smart-Home Gardinen

*User Profiles

User Name		Gender		Age	
Contact Address					
Contact Number		Post Code			
Purchase Time &Site					
Purchase Price		Sales Order			
Description & Specifiction		Motor Number			
Distributor signature		User Signature			

*Warranty Clauses:

- Users could replace the same type of commodity under the circumstances of there are performance breakdown but the commodity itself and outer packaging is intact ,without scratches and the period should be in three months from the date of goods are sold.(After inspection ,the breakdown should not due to artificial damage.).
- The warranty of motor is 3 years at the moment it is sold ,and lifelong maintenance.Accessories are not included.
- The warranty is only useful in the condition of normal use.
- All artificial damage ,including disassembly oneself, tear down the seal,improper operation are not included in warranty.
- Please provide this card when do WARRANTY ,our company has the right to refuse user's warranty service without providing this card or tamper the card.

The above is the basic appearance of the basic motor, the specific appearance is subject to the actual object