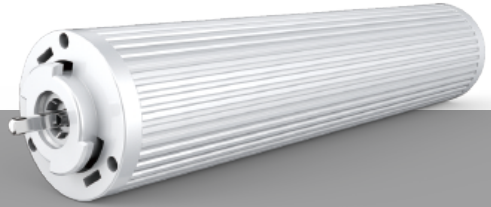# Curtain Motor   curtain motor makes you easy life

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

FEATURES

ligent 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

Intermediate position: motor could have a intermediate position which is between close and open position

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.

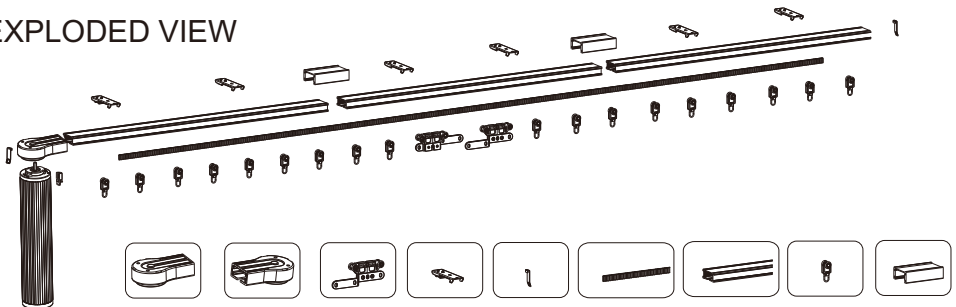Freely assembling: DIY design and customized tracks.

MOTOR PARAMETER

Motor Type	Rated Torque	Load	Dimension	Nominal Voltage	Nominal Consumption	IP
BCM200D	1.0NM	< 40KG	64*64*320mm	AC110-230V	40W	Ip20

TRACK LOAD

Length	3m	4m	5m	6m	7m	8m
Curtain Weight	50kg	50kg	50kg	45kg	45kg	45kg

EXPLODED VIEW

Cuitain Motor	Center Opening	Subsidiary Opening	Carrier	Ceiling Bracket	Hook	Belt	Track	Runners

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

0.2m track

30mm   Uxiliary Hook   Auxiliary hook   0.1m track

Example:track connect solution

Wall   Uxiliary Hook   3m   Wall

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

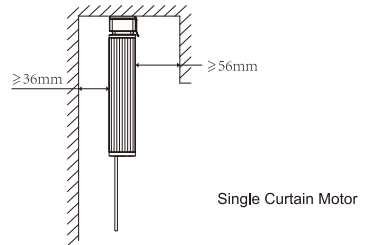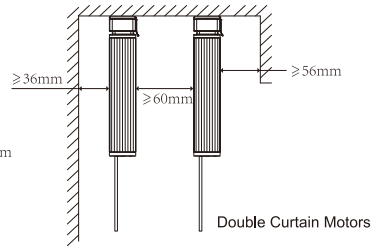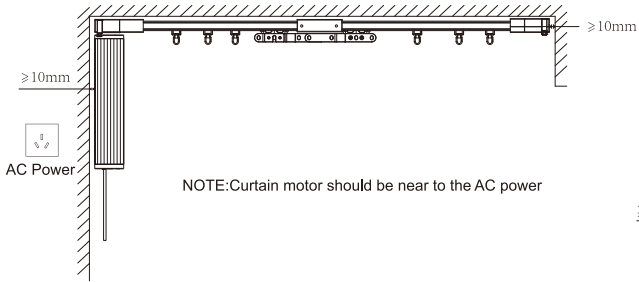0.1m track connector   0.1m track connector   0.2m track connector

2.92m
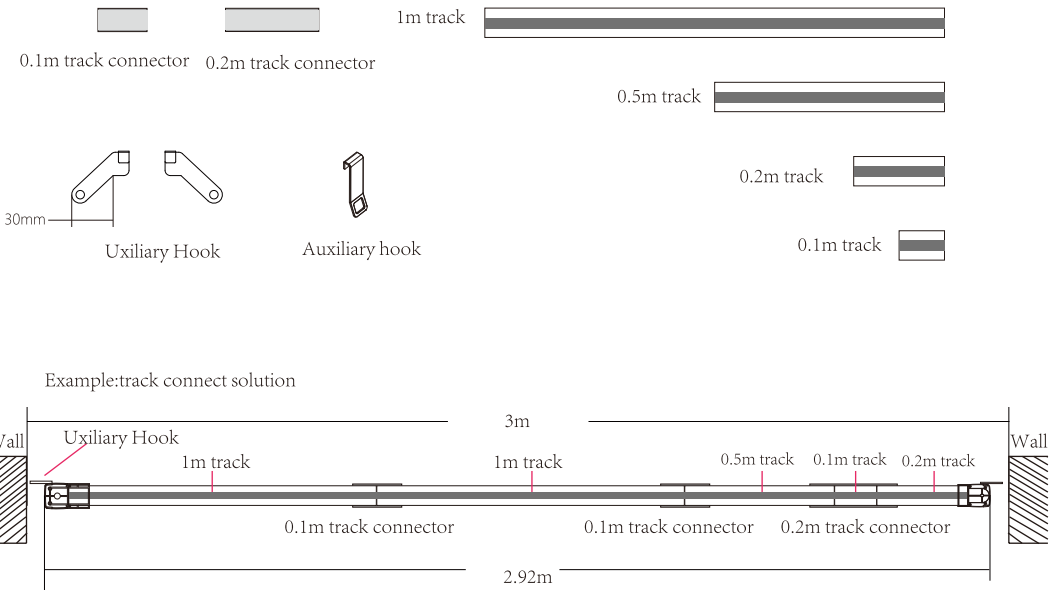
The distance between the track and the wall is at least blank10mm

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)

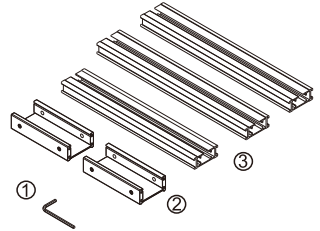The distance between the track and the wall is at least blank 10mm

Curtain Track Dimension & Measurement

≥36mm

≥60mm

≥56mm

Double Curtain Motors

≥10mm

≥10mm

AC Power

NOTE:Curtain motor should be near to the AC power

≥36mm

≥56mm

Single Curtain Motor

Track Installation Steps

Three sections as an example
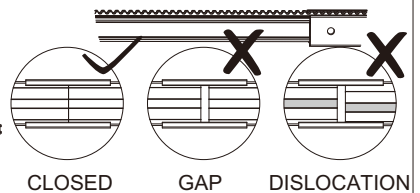
① Allen wrench

② Connections

③ Tracks

①

②

③

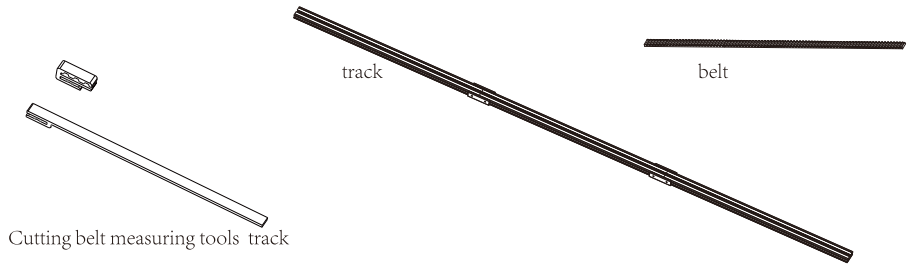❶ Put the tracks and connections on flat ground

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.
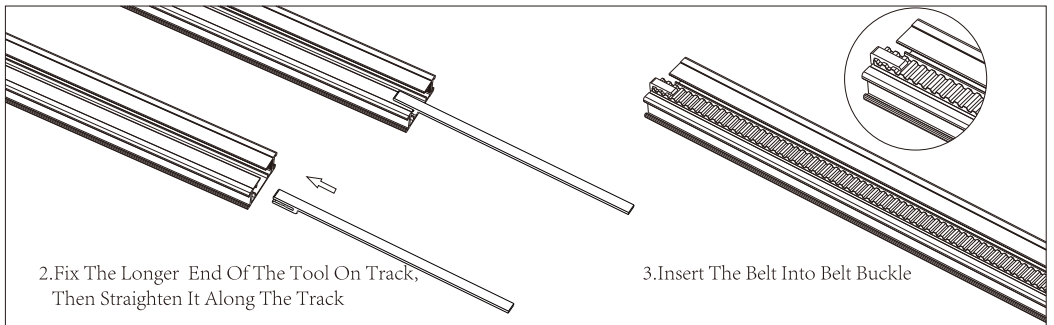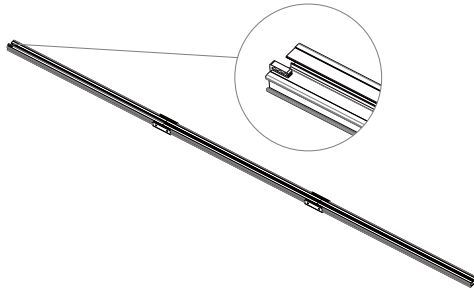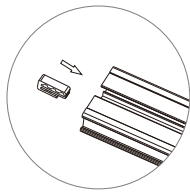
CLOSED   GAP   DISLOCATION

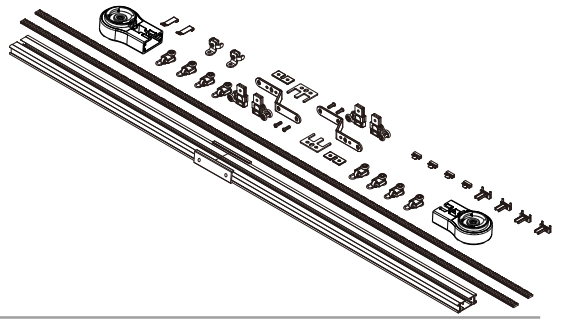# Cutting belt measuring tools instruction manual

Remark:Only applicable double direction opening belt cutting
Double opening direction track needs making two equal length belts in the same way.

track   belt

Cutting belt measuring tools track

Take the tail set fixed at 1 end

2.Fix The Longer End Of The Tool On Track,   3.Insert The Belt Into Belt Buckle
  Then Straighten It Along The Track

4.Straighten the belt   5,Cut the belt in the equal place
                                                       of measuring tool

4
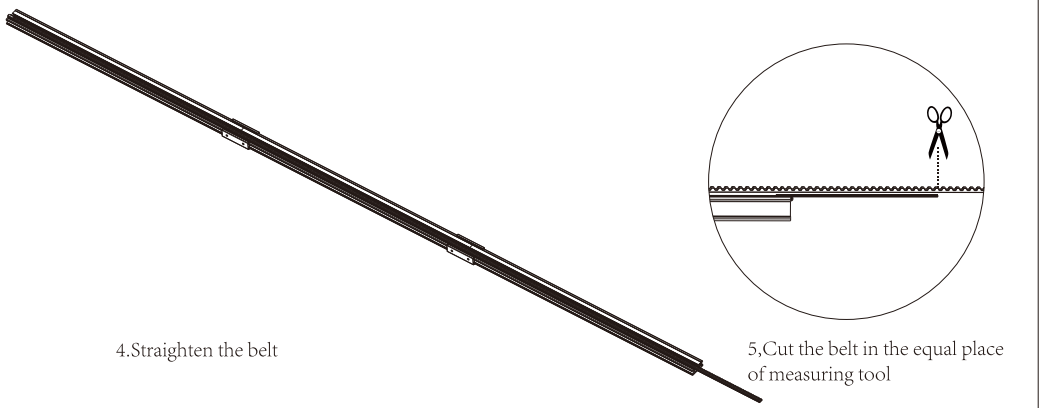
Double-side Open Track Installation Steps

*Use cutting belt measuring tools to cut belt
 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

The carrier wheel must be fixed on different sides of two belts.

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
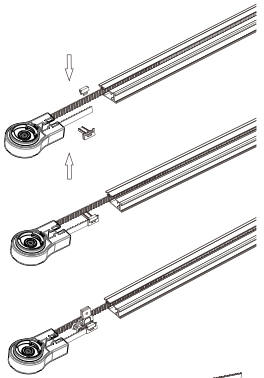
Pull out one belt from the track
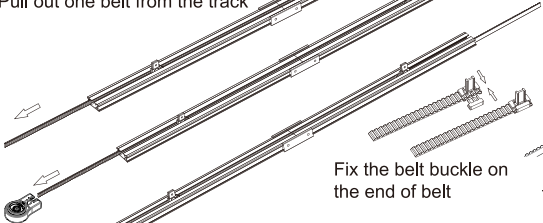
Step 1

Step 2
The belt across the subsidiary opening

Fix the belt buckle on
the end of belt

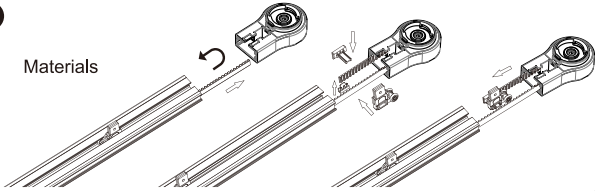Fix the belt on
the carrier wheel

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
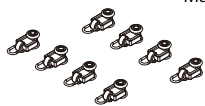
⑥ Carriers*2
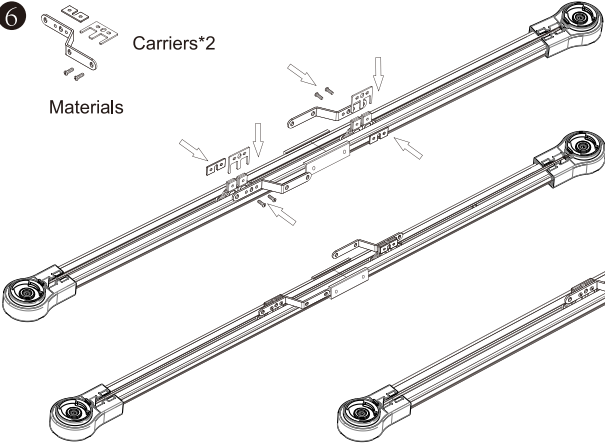
Materials

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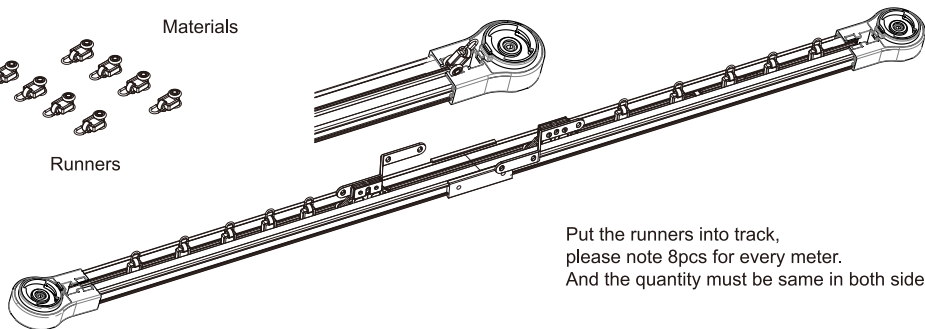according to the pattern and tighten the screws.

Rechecking
whether the track can smoothly run, if not ,
please recheck the assembling.
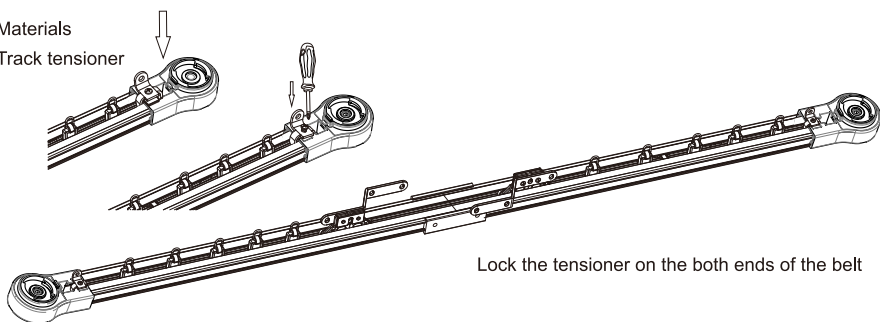
6

⑦

Materials

Runners

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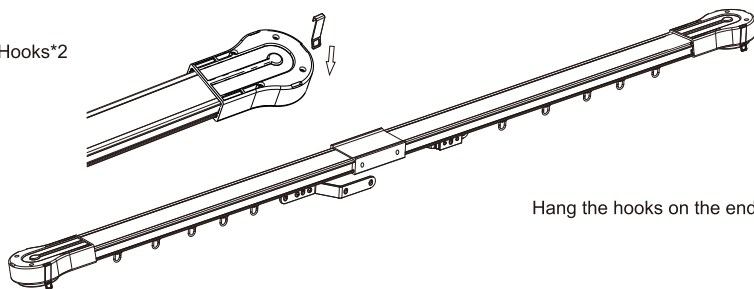And the quantity must be same in both side.

⑧

Materials
Track tensioner

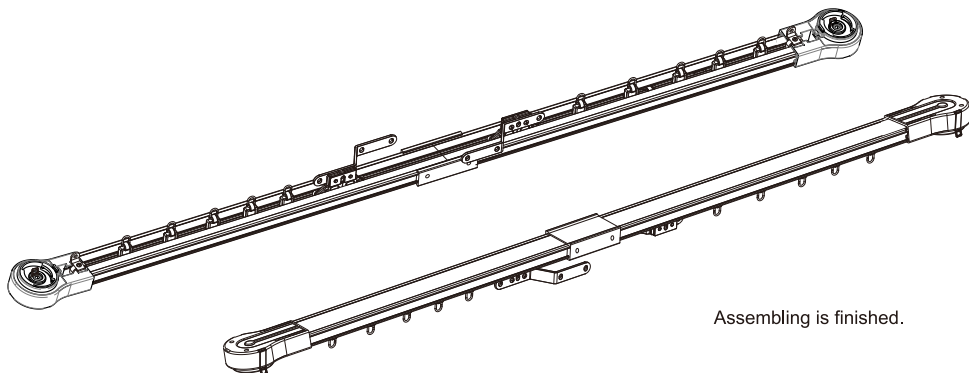Lock the tensioner on the both ends of the belt
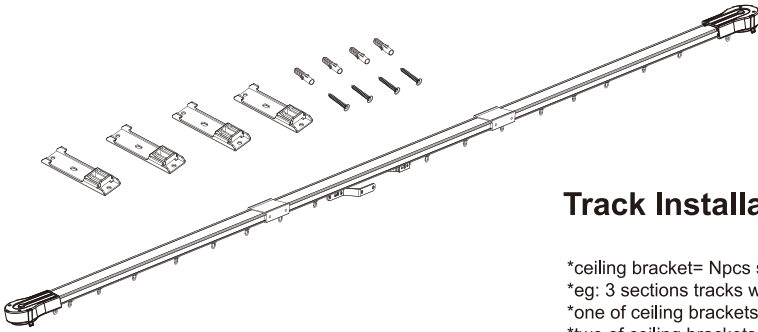
⑨

Hooks*2

Hang the hooks on the ends of the track

⑩

Assembling is finished.

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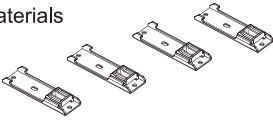
*ceiling bracket= Npcs section+1pcs
*eg: 3 sections tracks with 4 ceiling brackets
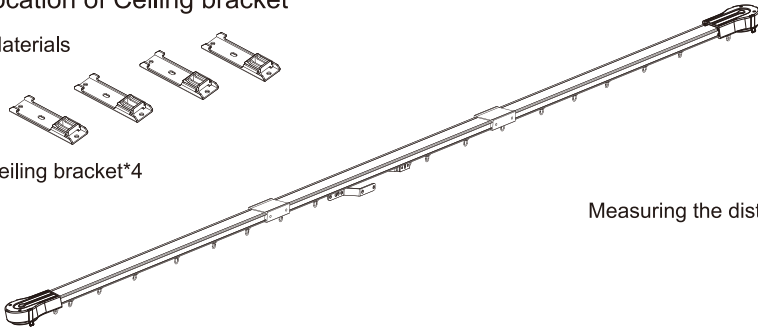*one of ceiling brackets must be near to connection.
*two of ceiling brackets should be close to both opening.
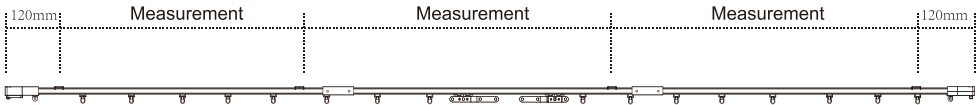3 sections track as an sample

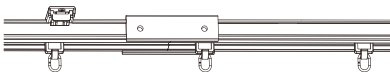❶ Location of Ceiling bracket

Materials

Ceiling bracket*4

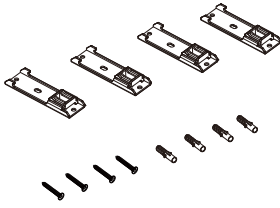Measuring the distance in advance

| 120mm | Measurement | Measurement | Measurement | 120mm |

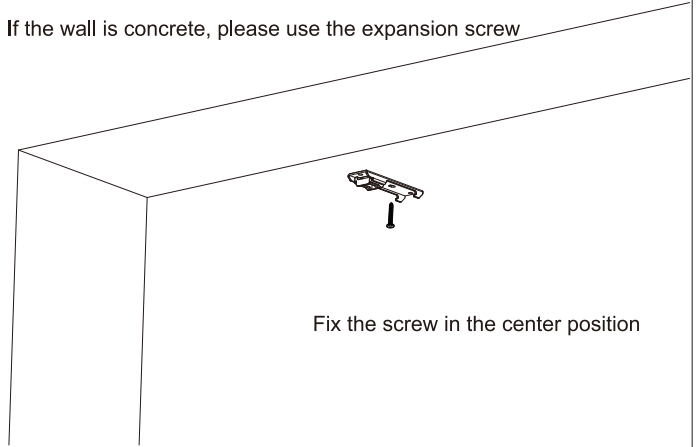NOTE: One of the ceiling bracket must be near to the connection
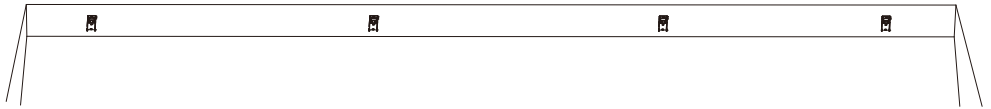
❷ Fix the Ceiling bracket

Ceiling bracket*4 & screws

If the wall is concrete, please use the expansion screw
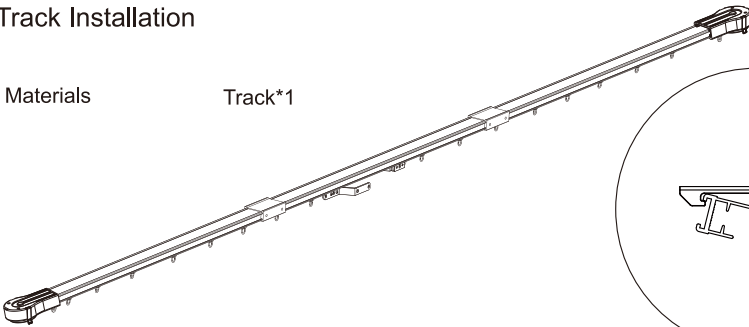
Fix the screw in the center position

After determine the location, mounting the ceiling bracket

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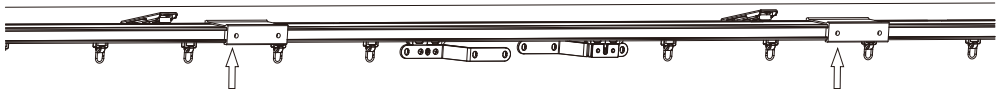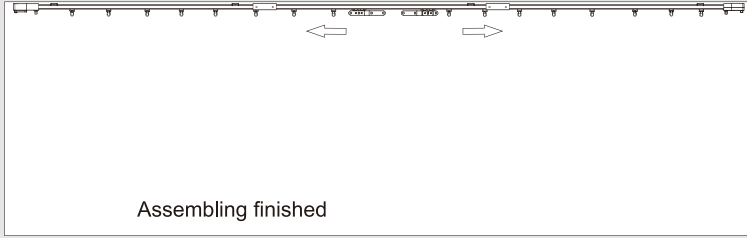
NOTE:
1. recheck the carrier, whether the track can smoothly run, if not ,please recheck the assembling.
2. recheck the connections,keep the connections and track close.
3. the hook should face to the users,not to the wall.

Disassembly of track   Follow the steps

Original state
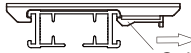
Slip the lock

Ceiling bracket lock
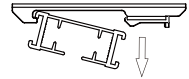
Take off the track
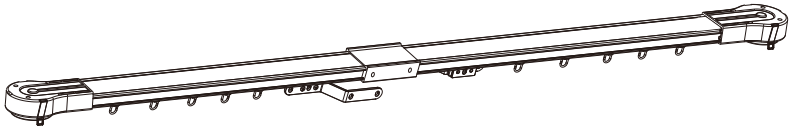
MOTOR

❶ Materials
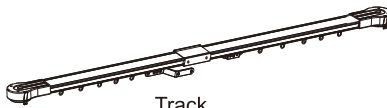
Motor

Track

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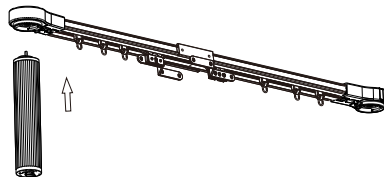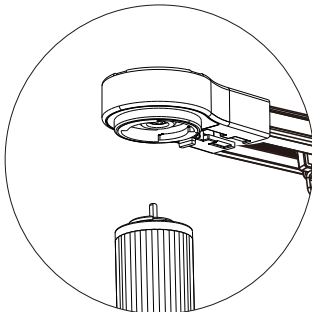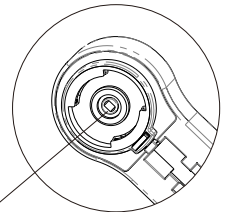
Match the motor with the spigot of the center opening

②

Complete matching

③
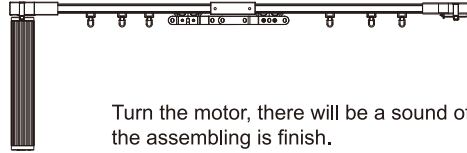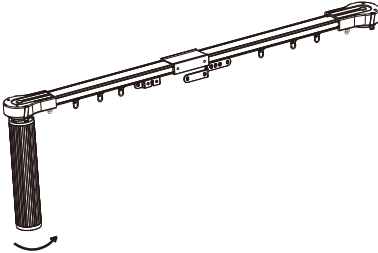
Turn the motor, there will be a sound of lock. the assembling is finish.

Disassembly of motor

❶

Push up the lock

❷
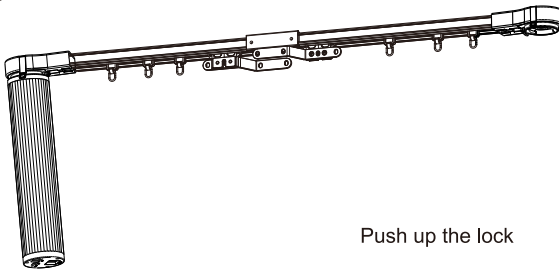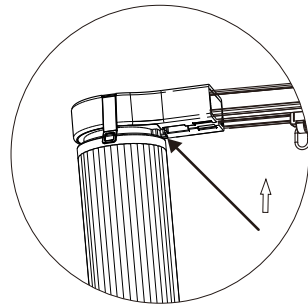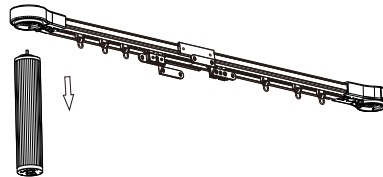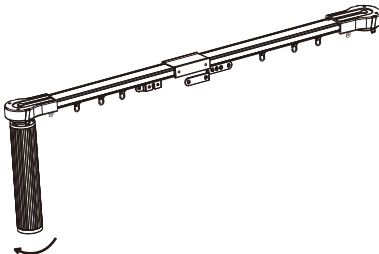
Turn the motor and take it off.

❸
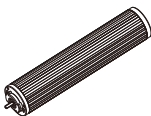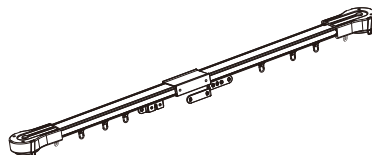
Disassembly is finished.

Motor   Track

Emitters

CLOSE STOP OPEN

CLOSE STOP OPEN CLOSE STOP OPEN
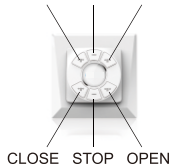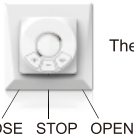
BE102   BE101

The mounting frame

PROGRAM

The reverse side

CLOSE
STOP
OPEN

CLOSE
STOP
OPEN

Channels
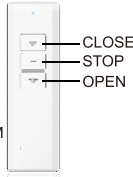
BE201   BE206

The reverse side   Hand-hold

PROGRAM

Bracket for wall fixation

Short press PROGRAM

Motor was powered on, press the MATCH button once.

Press the PROGRAM (new emitter)

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

Code Matching

Motor have 2 methods for matching. 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.

capy code

Press PROGRAM button

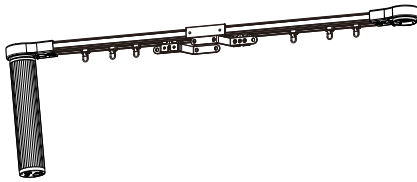The motor will vibrate once in every direction.

Press the PROGRAM with 3 seconds

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

There two emitters can control the motor

The motor will vibrate once in every direction.

Press the PROGRAM of the new BE201

Press the STOP button

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

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 osition will re lace the old one.

Open position setting is finished.

Short press setting key

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

Short press setting key

The motor will vibrate once in every direction

Press STOP button

Deleting is finished.

The method is same for deleting the position in another direction

The motor will vibrate once in every direction

Press the arrow key to delete

Intermediate position

Open position
Close position
position

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.

The motor could only remember the latest intermediate position
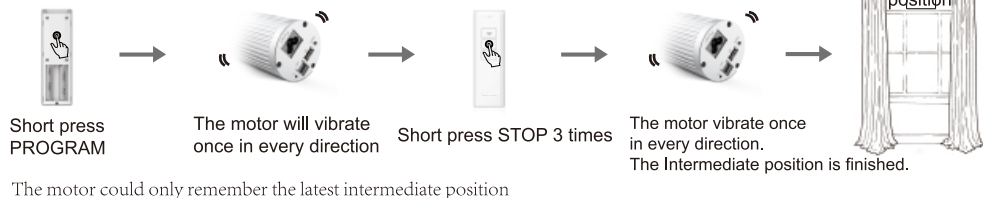
Start the Intermediate position

Intermediate osition

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

The motor will run to the intermediate position automatically

long press STOP within 3 second
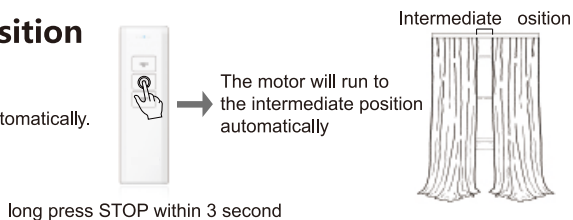
Delete Intermediate position

powered on again, all positions are deleted.

Direction Change

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

Press the STOP & OPEN together → The motor will vibrate once in every direction → Short press STOP within 3 times quickly → The motor will vibrate once in every direction → Direction Change is finished

Delete the current emitter

Press the STOP & 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
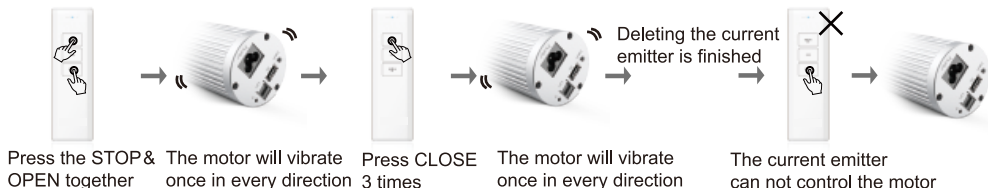
Delete all emitters

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

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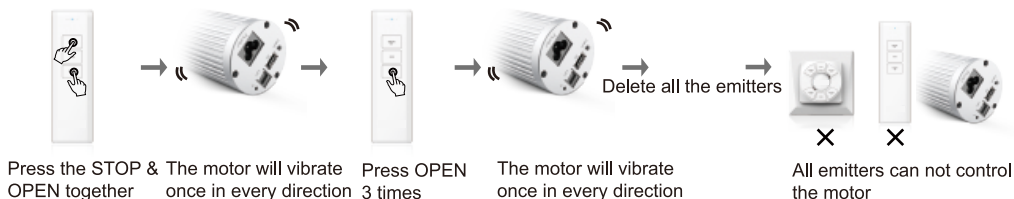
Factory reset After factory reset, the motor will lose all positions. At this time, the first manual function will as the first choice .

Press STOP button　→　Short press PROGRAM　→　The motor will vibrate once in every direction　→　Short press STOP 7 times　→　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

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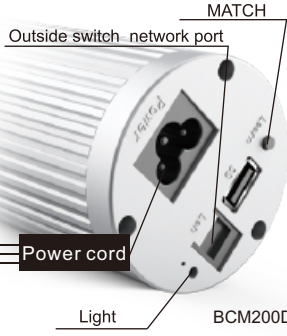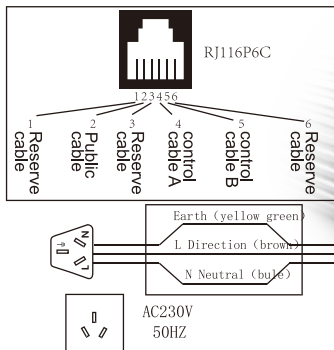N Neutral (bule)

AC230V 50HZ

Power cord

Light

Outside switch network port

MATCH

BCM200D

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 ——
❶

Or

Control cable B —— K2
Public cable ——
❷

❶ and ❷ have the same function, take ❶ 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.

Warranty card

*User profiles

_____ date _____ month _____ year

The user name		gender		age	
Correspondence address					
Contact number		postcode			
Buy time and location					
The purchase price		Sales order			
Name and specification		The fuselage serial number			
Signature of distributor		The user signature			

*The warranty

º Within three months from the date of goods sold, such as performance failures occur, the commodity itself and the outer packing must be kept intact, no scratch, can replace the same type of products, (subject to inspection), but not including artificial damage.

º The goods are guaranteed for three years from the date of sale, and the accessories are not covered by the warranty.

º The warranty service is only valid under normal use.

º All personal damage, self-disassembly, unsealing, improper use, etc. are not covered by warranty.

º The warranty shall be provided for this card, which fails to provide the card or the personal copy of this card, and the company shall have the right to handle the warranty.