



USER MANUAL

AC Curtain Motor



Silent system
<20 Db.



Curtains radio
control



Works with Alexa
and Google Home*



Easy assembly
and installation



High quality and
technology



Also manual
operation



Great weight
resistance



Everything with a very
competitive price

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

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 switch.

Freely assembling: DIY design and customized tracks.

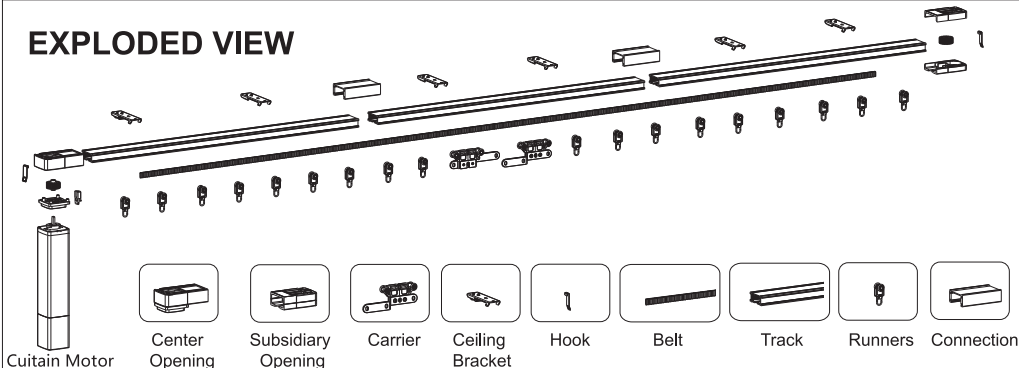
MOTOR PARAMETER

Motor Type	Rated Torque	Load	Dimension	Nominal Voltage	Nominal Consumption	IP
CM100	1NM	<40KG	52*52*265mm	AC230V50HZ	60W	IP20
CM100D	1.2NM	<50KG	52*52*265mm	AC230V50HZ	40W	IP20

TRACK LOAD

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

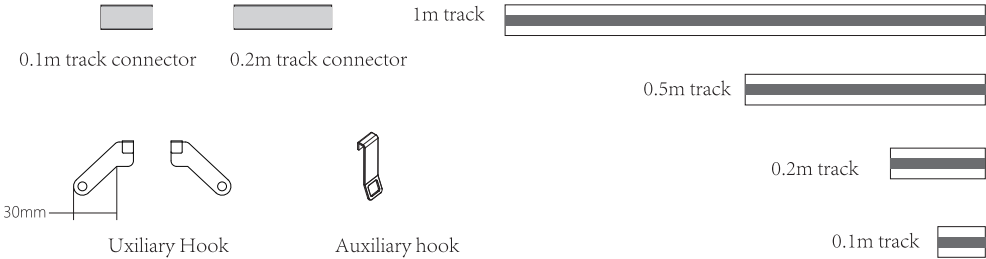
EXPLODED VIEW



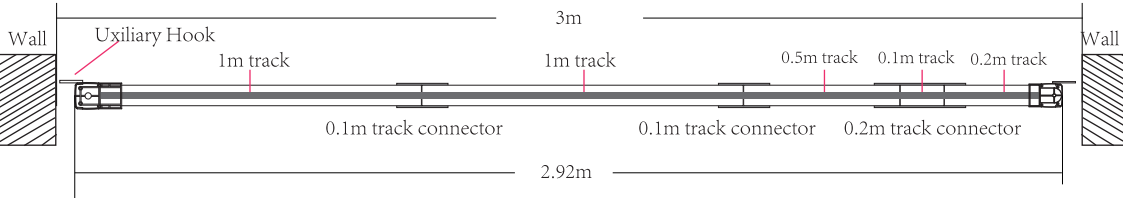
The solutions of intelligent curtain model

	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	
1	2.2m	1	1	1	2	1	1	1	< 2.2 m
2	3.2m	2	2	1	2	1	1	1	2.2 m-3.2 m
3	4.2m	3	3	1	2	1	1	1	3.2 m-4.2 m
4	5.2m	4	4	1	2	1	1	1	4.2 m-5.2 m
5	6.2m	5	5	1	2	1	1	1	5.2 m-6.2 m
6	7.2m	6	6	1	2	1	1	1	6.2 m-7.2 m
7	8.2m	7	7	1	2	1	1	1	7.2 m-8.2 m

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

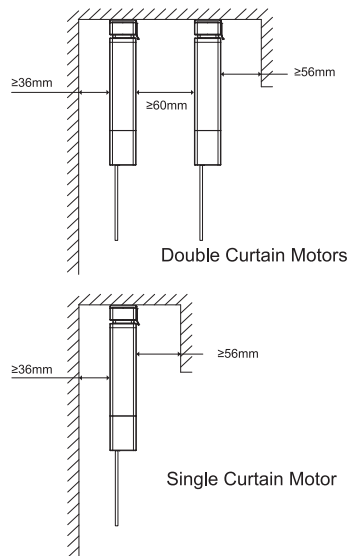
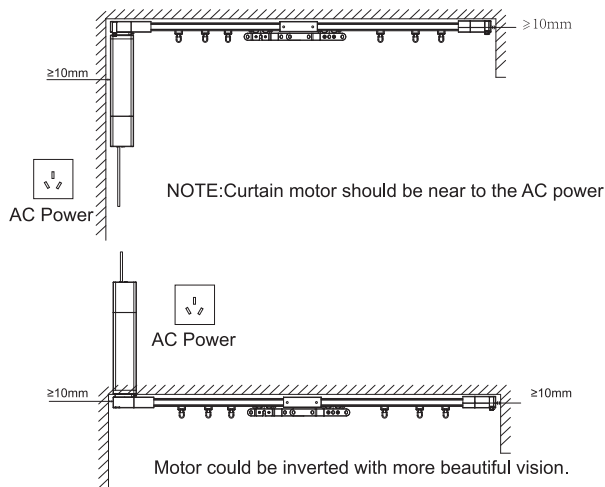


Example:track connect solution



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

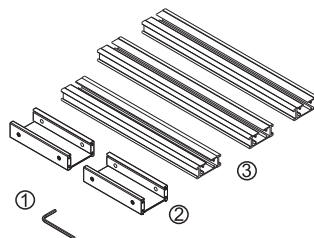
Curtain Track Dimension & Measurement



Track Installation Steps

Three sections as an example

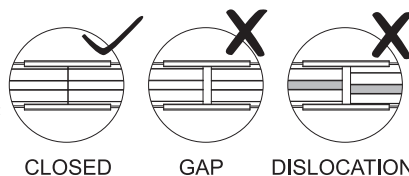
- ① Allen wrench
- ② Connections
- ③ Tracks



- ① Put the tracks and connections on flat ground

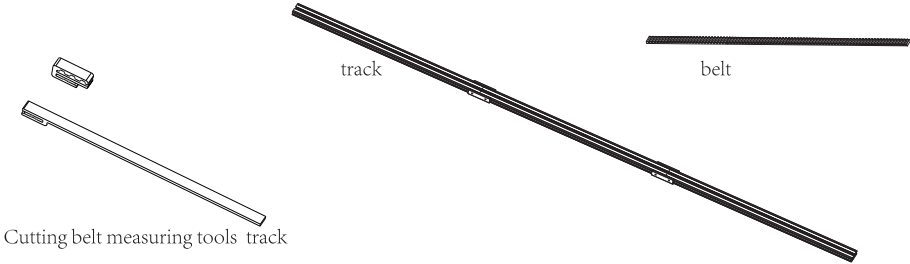
- ②
 - ① Push the tracks into the connections.
 - ② Let the tracks closed in the connection, then tighten the screws through Allen wrench.

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

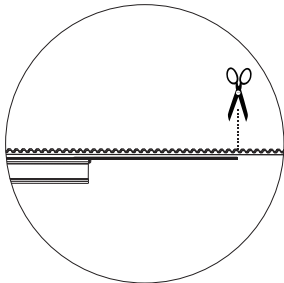
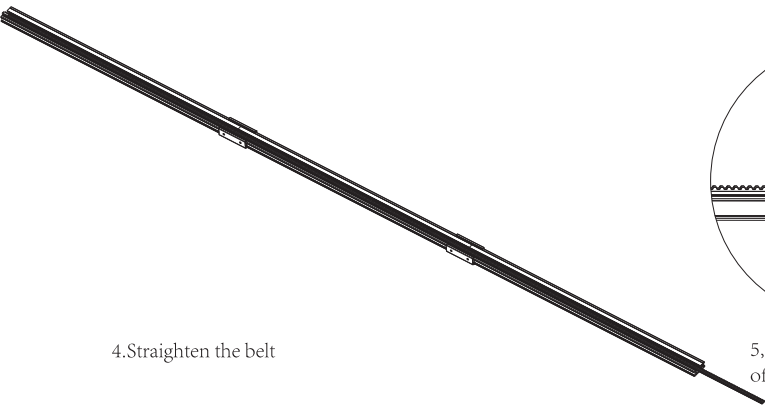
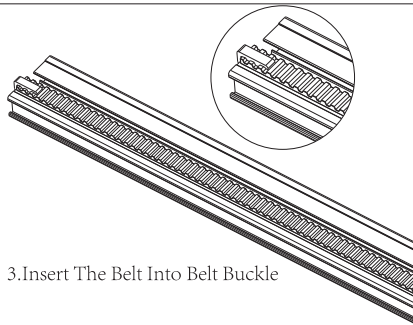
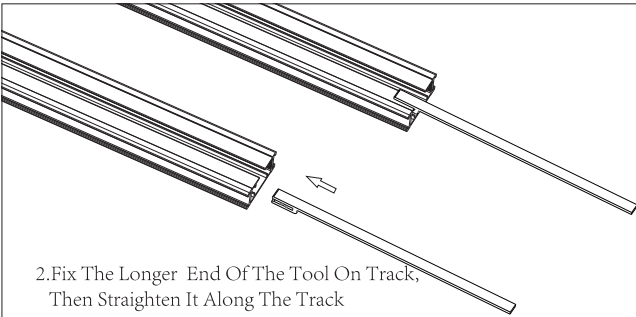
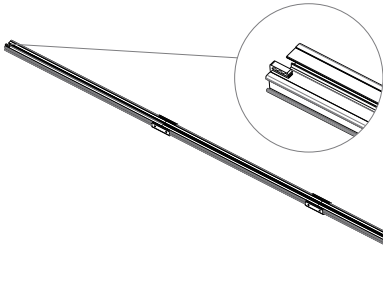
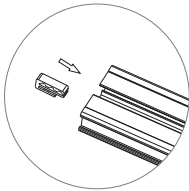


Cutting belt measuring tools instruction manual

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



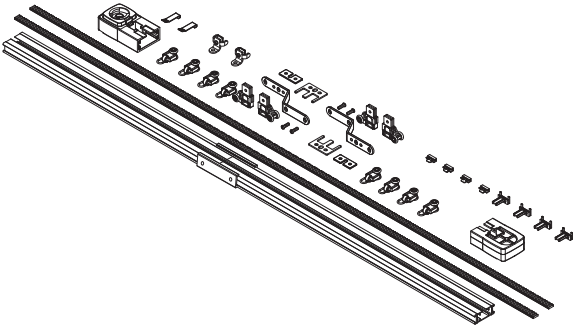
Take the tail set fixed at 1 end



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

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



1

Materials

Belt buckle*2

Belt

Fix the belt buckle on the end of belt

Belt 1

Belt 2

2

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

3

Materials

Belt 1

Belt 2

Track

One belt across one track.

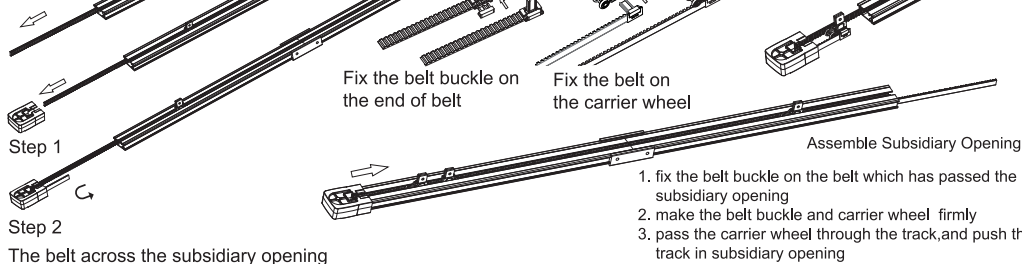
The other belt across another track

4 Materials



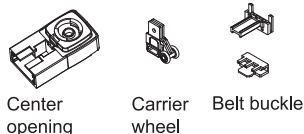
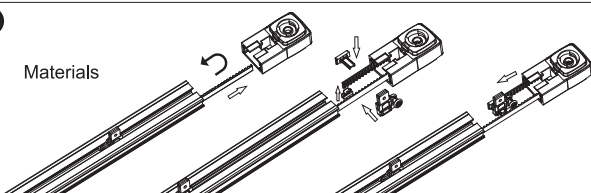
Subsidiary opening Belt buckle Carrier wheel

Pull out one belt from the track



5

Materials



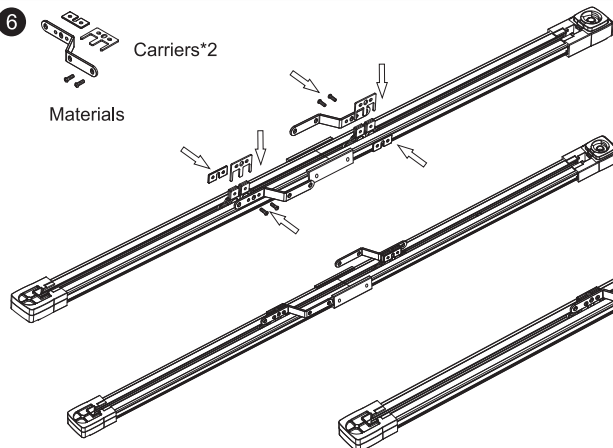
Assemble Center Opening

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



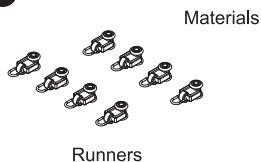
Materials



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

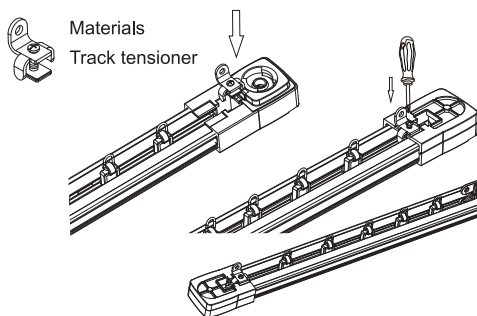
Rechecking
whether the track can smoothly run, if not ,
please recheck the assembling.

7



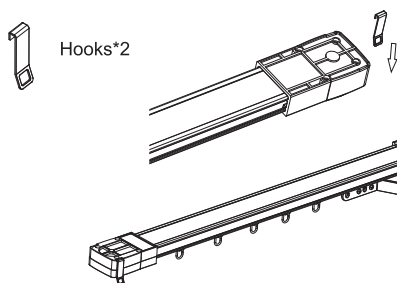
Put the runners into track,
please note 8pcs for every meter.
And the quantity must be same in both side.

8



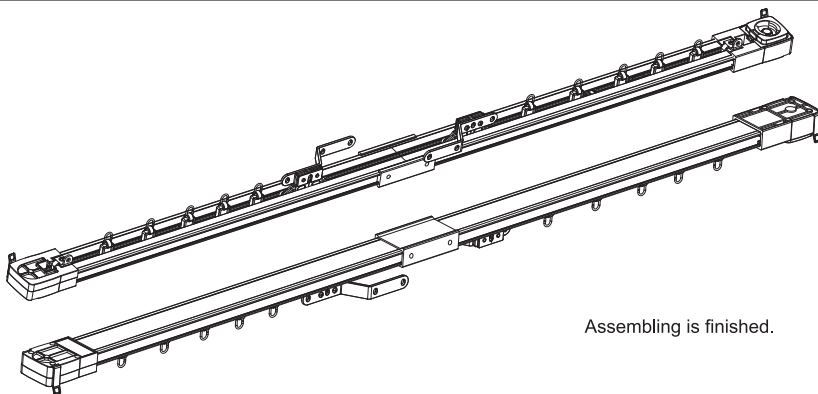
Lock the tensioner on the both ends of the belt

9

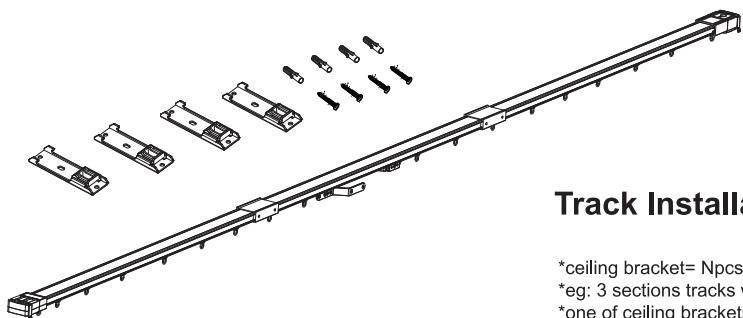


Hang the hooks on the ends of the track

10



Assembling is finished.



Track Installation Steps

*ceiling bracket= Npcs section+1pcs

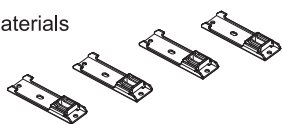
*eg: 3 sections tracks with 4 ceiling brackets

*one of ceiling brackets must be near to connection.

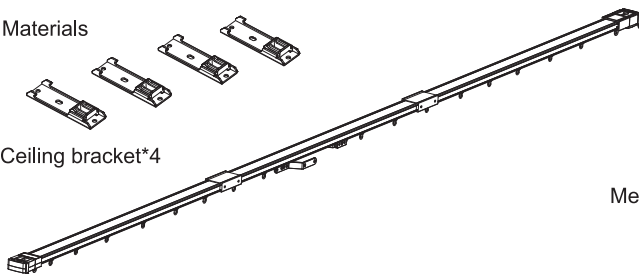
*two of ceiling brackets should be close to both opening.
3 sections track as an sample

1 Location of Ceiling bracket

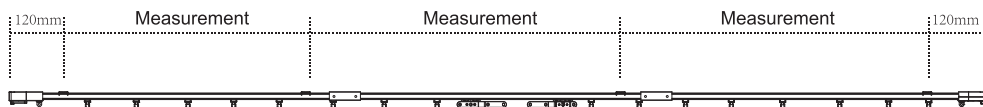
Materials



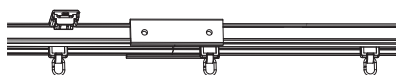
Ceiling bracket*4



Measuring the distance in advance



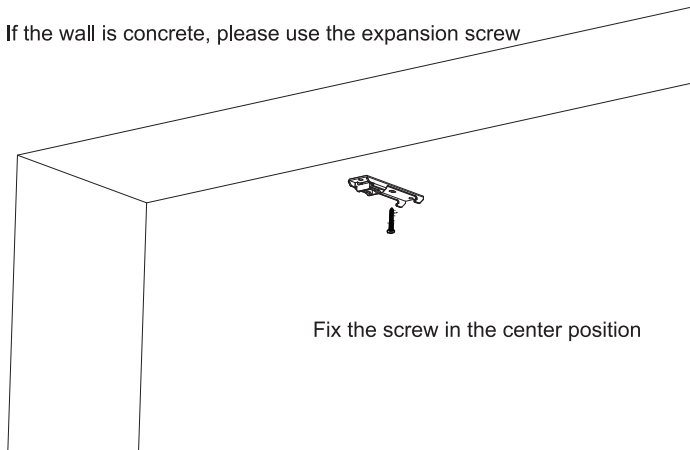
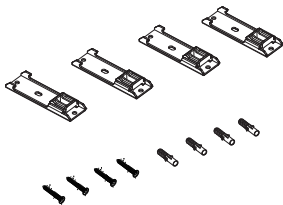
NOTE: One of the ceiling bracket must be near to the connection



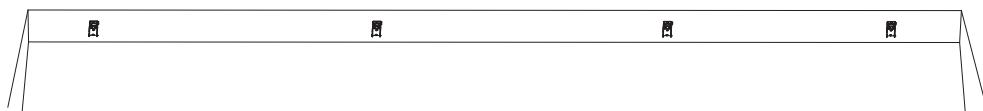
2 Fix the Ceiling bracket

Ceiling bracket*4 & screws

If the wall is concrete, please use the expansion screw



Fix the screw in the center position

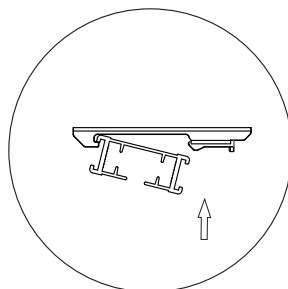
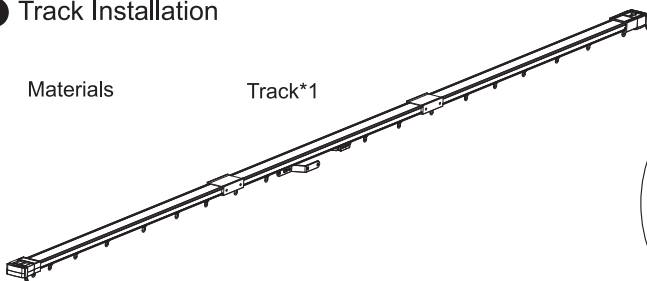


After determine the location, mounting the ceiling bracket

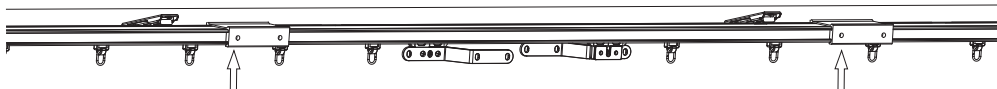
3 Track Installation

Materials

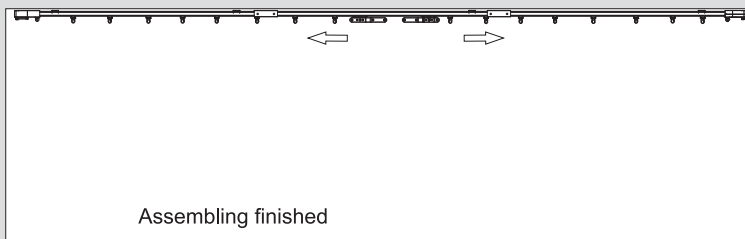
Track*1



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



4 TEST



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

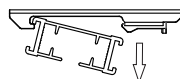


Original state

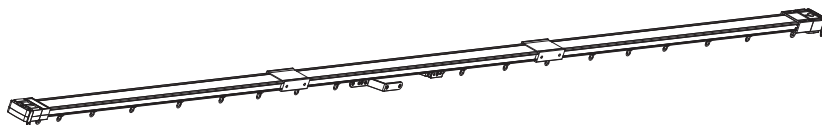


Slip the lock

Ceiling bracket lock

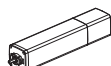


Take off the track

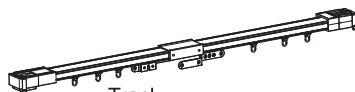


MOTOR

1 Materials

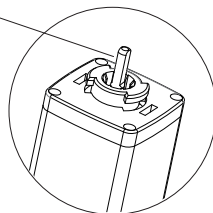
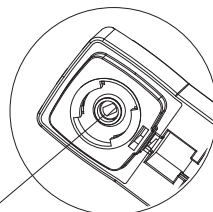


Motor



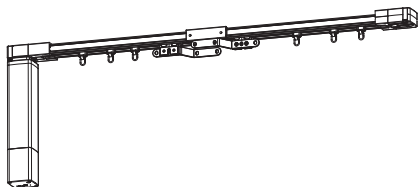
Track

Shaft & spigot



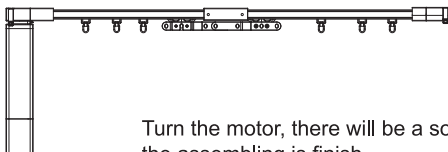
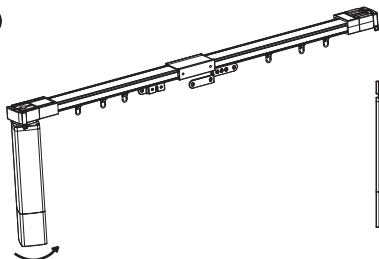
Match the motor with the spigot of the center opening

2



Complete matching

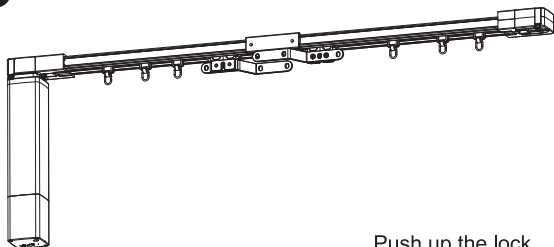
3



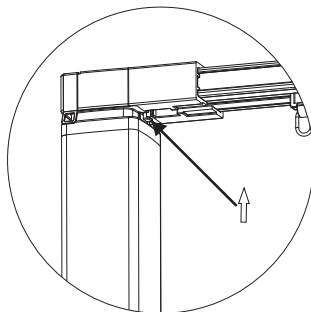
Turn the motor, there will be a sound of lock.
the assembling is finish.

Disassembly of motor

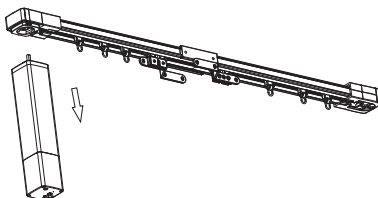
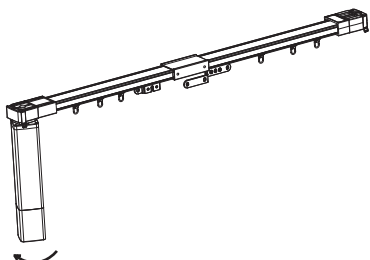
1



Push up the lock

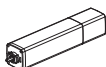


2

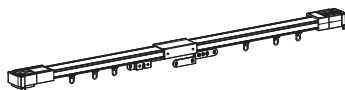


Turn the motor and take it off.

3



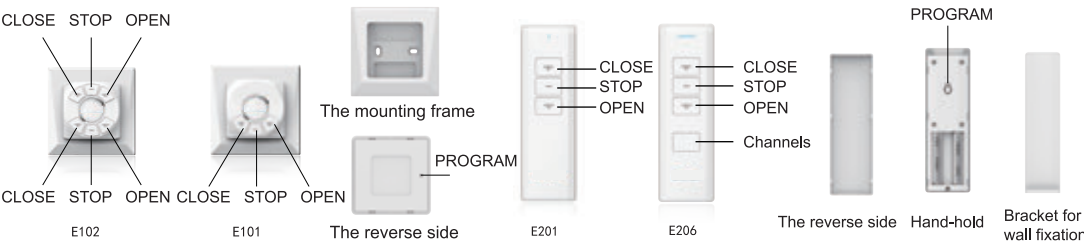
Motor



Track

Disassembly is finished.

Emitters



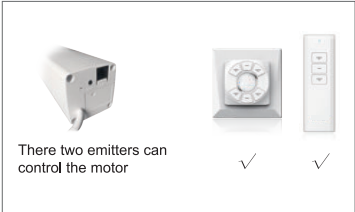
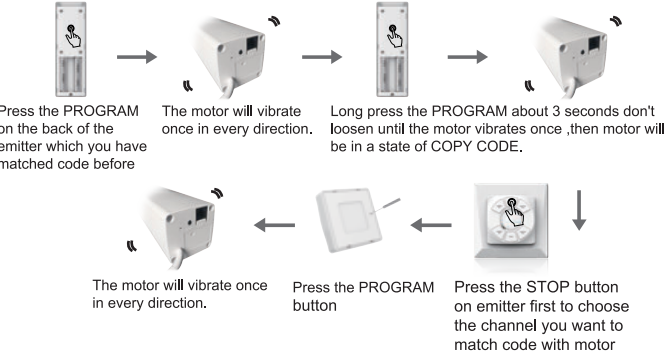
Method 1: Short press PROGRAM



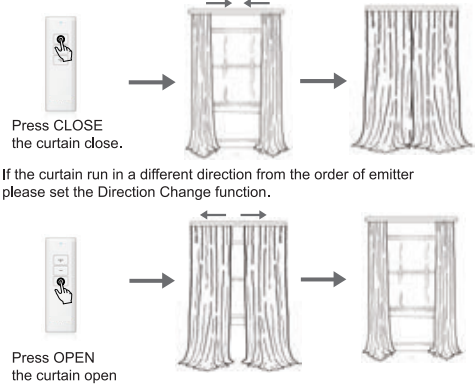
Code Matching

When the motor is in a state of Matching code ,there are 10 seconds learning time, after 10 seconds ,the motor will exit the process of matching code(which means you have to finish matching code steps within 10 seconds,or you have to start from the beginning) ,the indicator light extinguishes after 3 seconds.

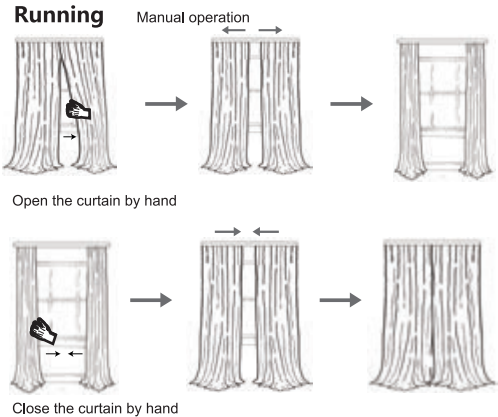
Method 2: copy code



Control the curtain



Running



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, don't loosen until the motor vibrates once.

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, don't loosen until the motor vibrates once.

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.



Short press PROGRAM



The motor will vibrate once in every direction



Press OPEN button



The motor vibrate once again.

Open position setting is finished.



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 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.



Long press MATCH button



The light glitters 3 times



The motor vibrates once again.



Deleting is finished.

The method is same for deleting the position in another direction

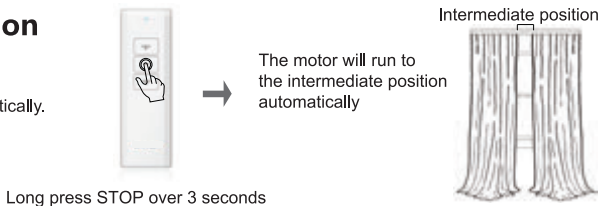
3, Repeat the electricity

Intermediate position



Start the Intermediate position

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



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:

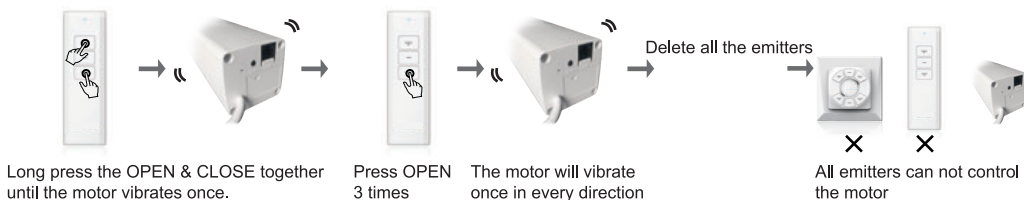


Delete the current emitter



Delete all emitters

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



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

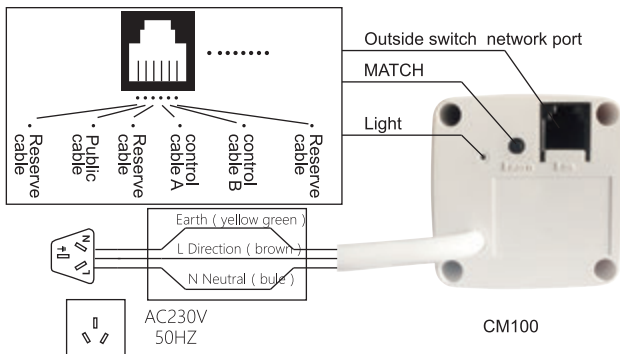


All positions were lost and codes were deleted . At this time, the first manual function will as the first choice .

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



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.

WARRANTY CARD

Provide warranty
depending on this card.
please keep it.

*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.