



USER MANUAL

Curtain Motor



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 pulled by hand by 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

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

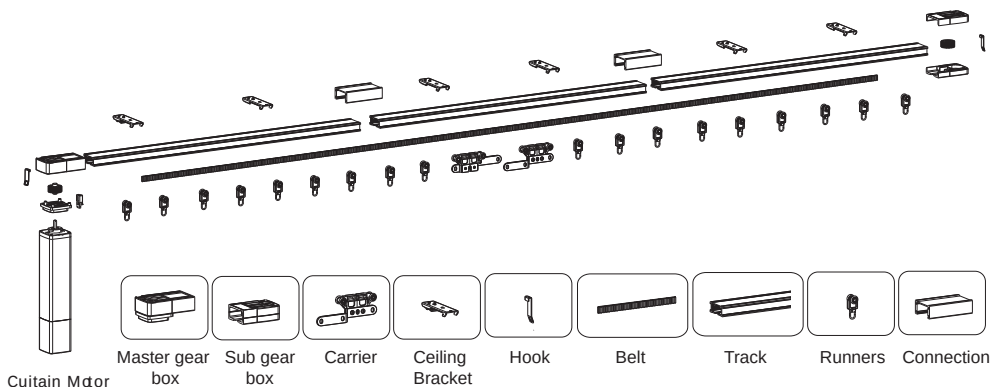
Multi-control: users can choose different ways to control, such as emitter or switch.

Freely assembling: DIY design and customized tracks. Single Tracks up to 5 meters can be ordered.

MOTOR PARAMETER

Rated Torque	Rated Voltage	Water Proof	Rated Power
2.0NM	AC100-240V	IP40	40W

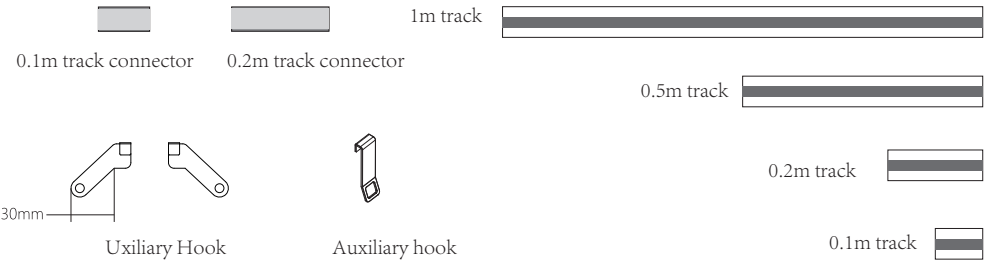
EXPLODED VIEW



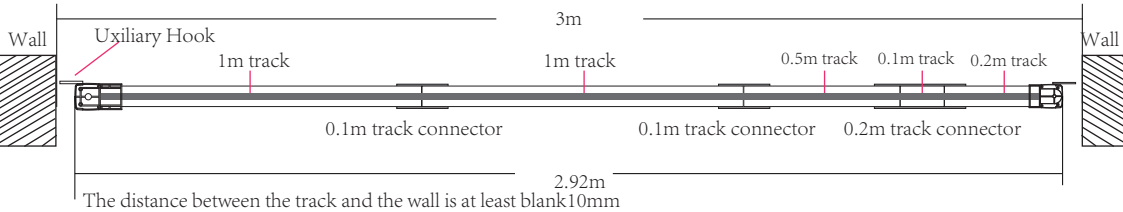
The solutions of intelligent curtain model

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

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

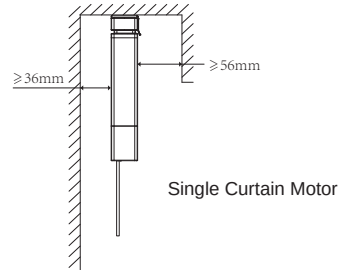
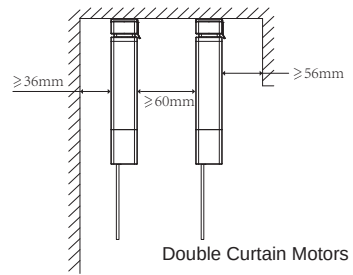
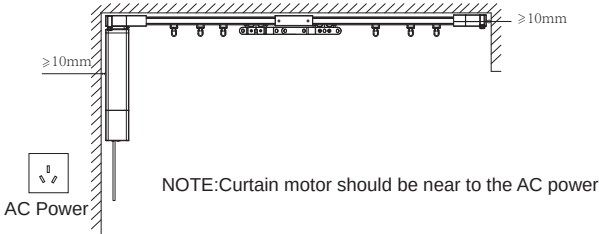


Example:track connect solution



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

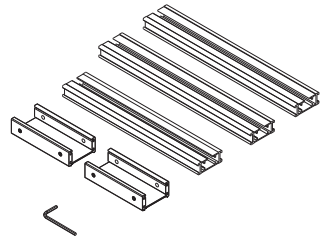
Curtain Track Dimension & Measurement



Track Installation Steps

Three sections as an example

- ① Allen wrench
- ② Connections
- ③ Tracks

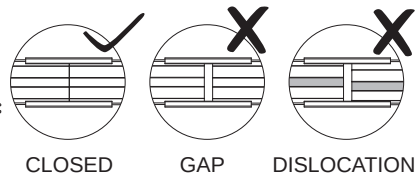


① Place the tracks and connection on flat ground

②

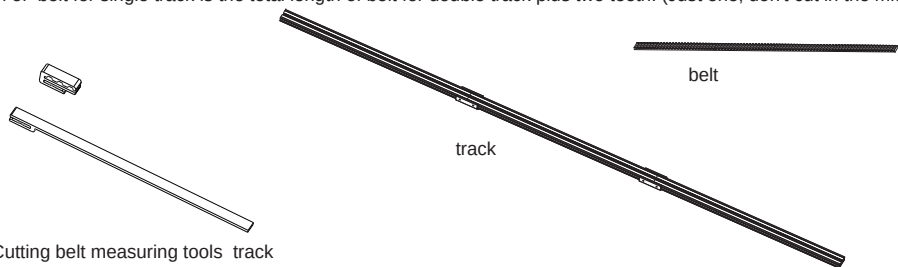
- ① Push the tracks into the connections.
- ② Let the tracks closed in the connection, then tighten the screws through Allen wrench.

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



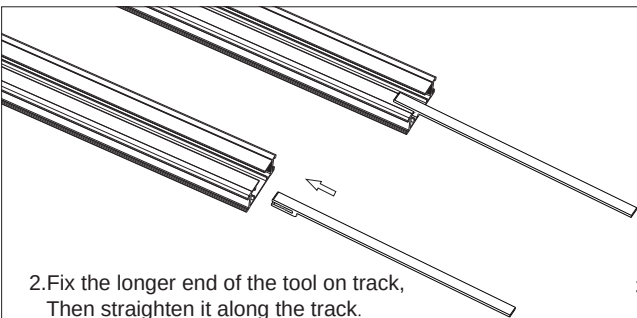
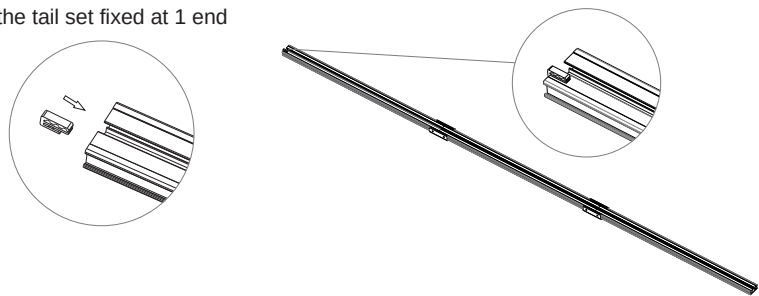
Cutting belt measuring tools instruction manual

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

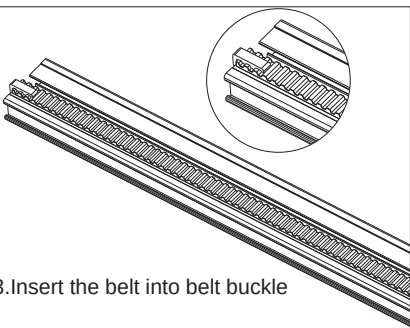


Cutting belt measuring tools track

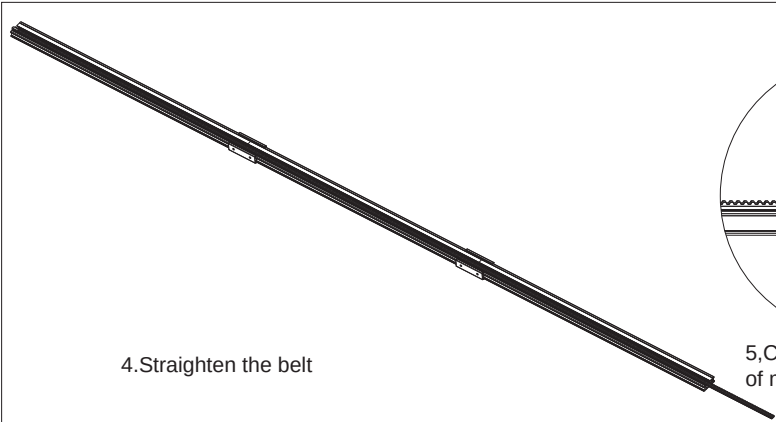
Take the tail set fixed at 1 end



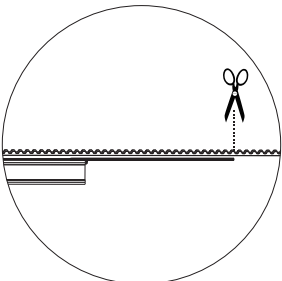
2. Fix the longer end of the tool on track,
Then straighten it along the track.



3. Insert the belt into belt buckle



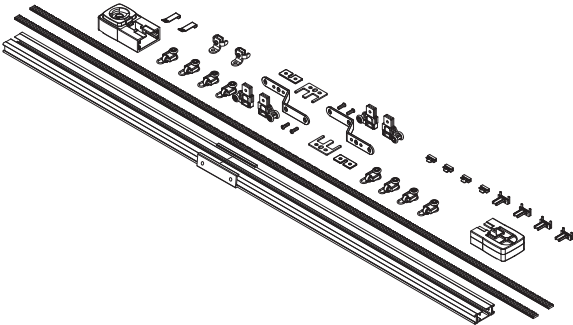
4. Straighten the belt



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



1

Materials

Belt buckle*2

Fix the belt buckle on the end of belt

2

Materials

Carrier Wheel*2

Fix the belt into the carrier wheel

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



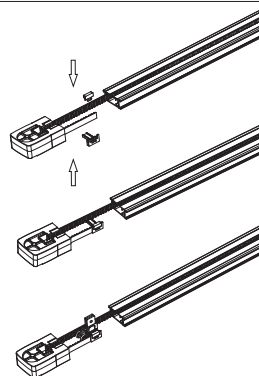
Step 1

Step 2

The belt across the subsidiary opening

Fix the belt buckle on the end of belt

Fix the belt on the carrier wheel

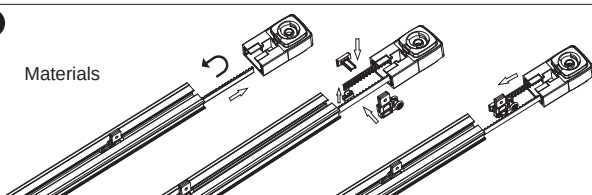


Assemble Subsidiary Opening

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



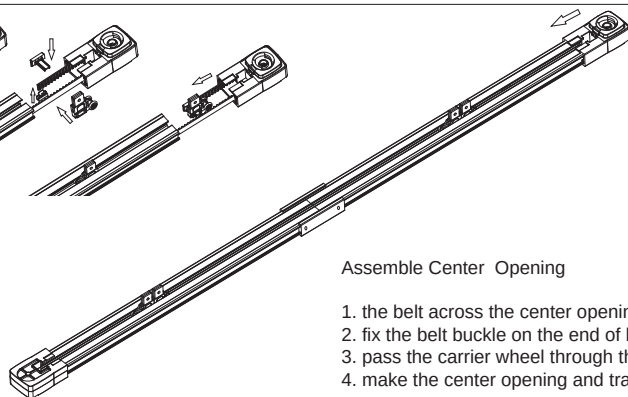
Assemble Center Opening

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

Center opening

Carrier wheel

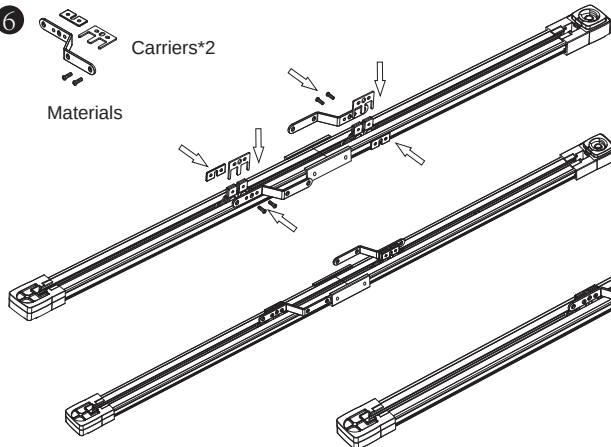
Belt buckle



6

Carriers*2

Materials

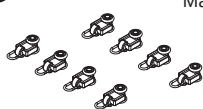


Assemble the Carrier :
according to the figure and tighten the screws.

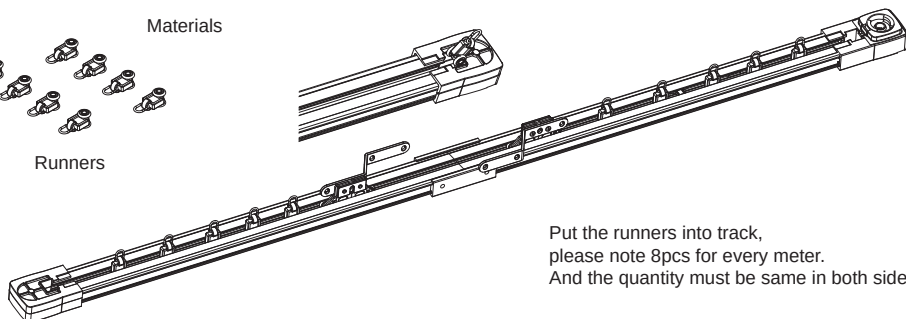
Rechecking
whether the track can smoothly run, if not ,
please recheck the assembling.

7

Materials



Runners



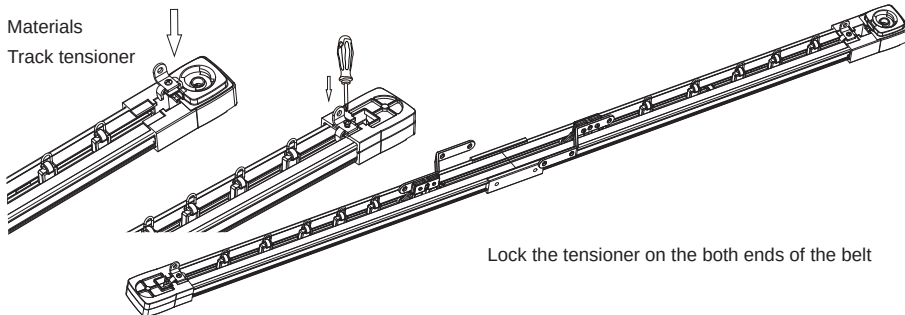
Put the runners into track,
please note 8pcs for every meter.
And the quantity must be same in both side.

8

Materials



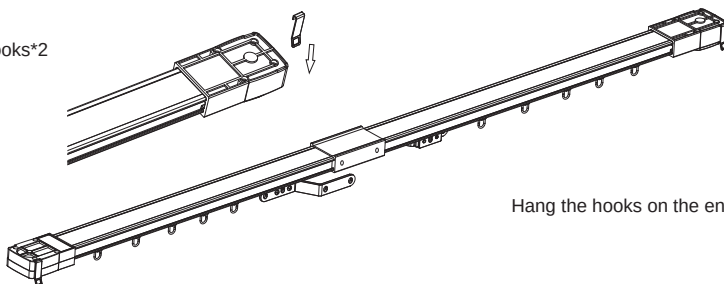
Track tensioner



Lock the tensioner on the both ends of the belt

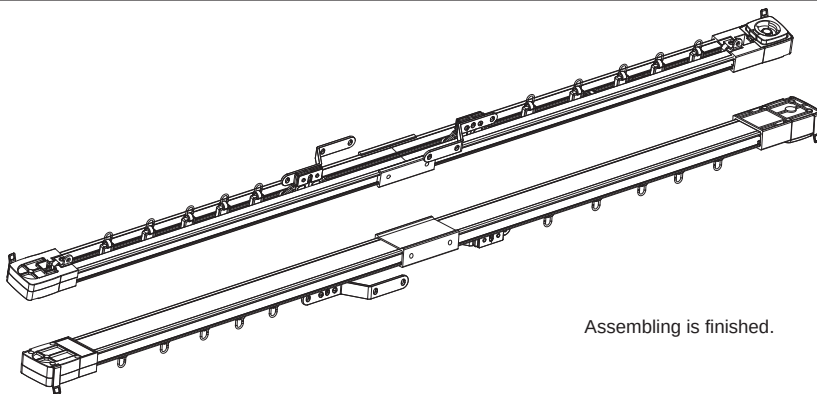
9

Hooks*2



Hang the hooks on the ends of the track

10



Assembling is finished.

length of belt for
cut it in the middle)

*1pcs carrier for single-side opening
2 sections track as an sample

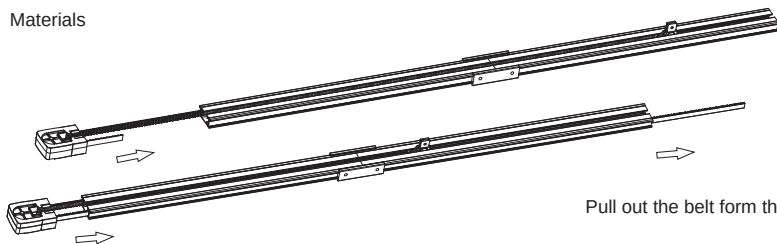
Belt

Belt

Step 2

4

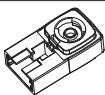
Materials



Pull out the belt form the other side of the track

5

Materials



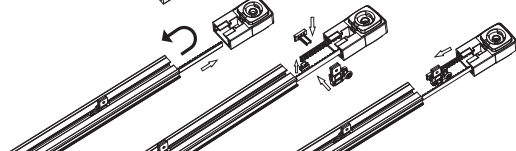
Center opening



Carrier wheel



Belt buckle



Assemble Center Opening

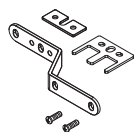
1. the belt across the center opening
2. fix the belt buckle on the end of belt
3. pass the carrier wheel through the track
4. make the center opening and track firmly



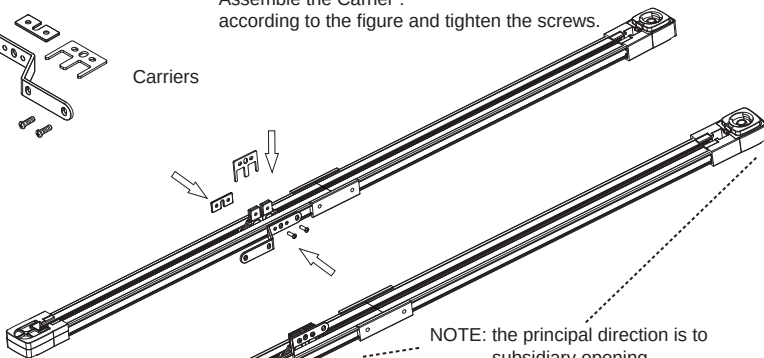
6

Materials

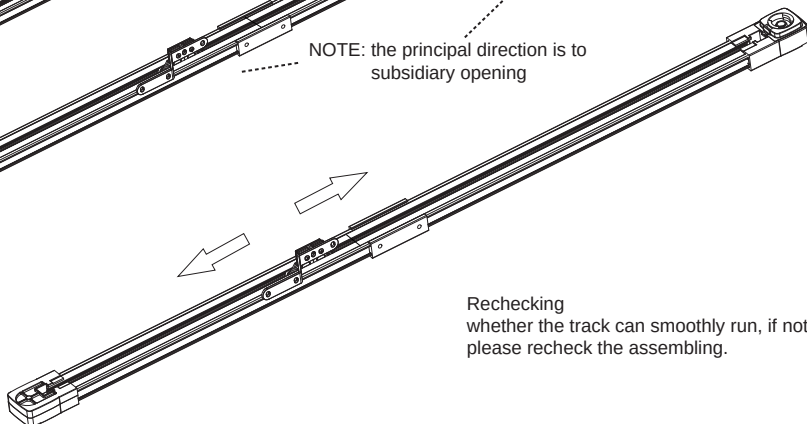
Assemble the Carrier :
according to the figure and tighten the screws.



Carriers



NOTE: the principal direction is to subsidiary opening



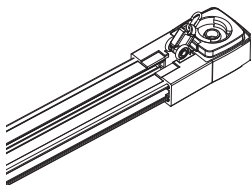
Rechecking
whether the track can smoothly run, if not ,
please recheck the assembling.

7

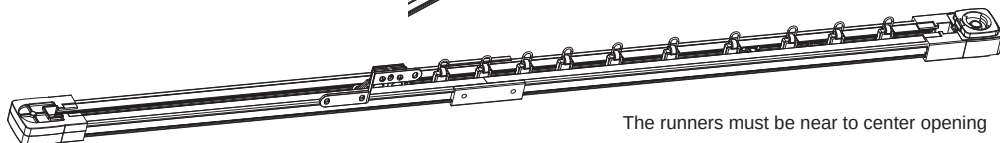
Materials



Runners



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



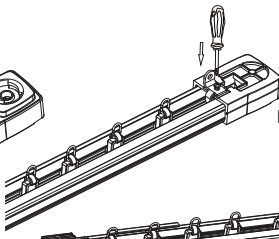
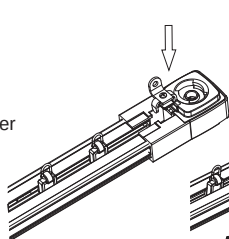
The runners must be near to center opening

8

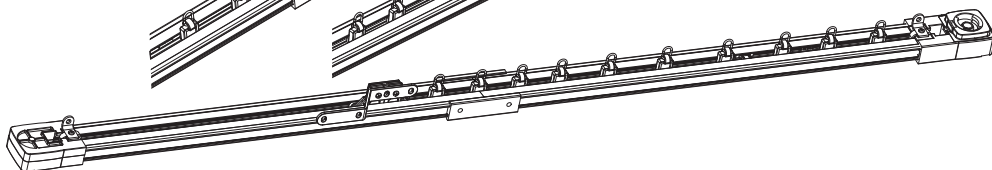
Materials



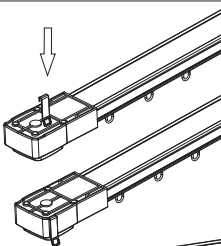
Track tensioner



Lock the tensioner on the both ends of the belt

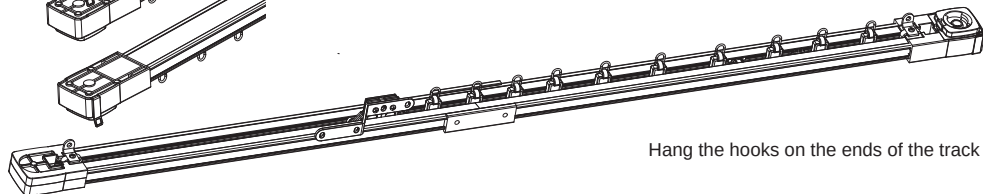


9



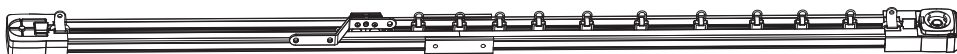
Materials

Hooks

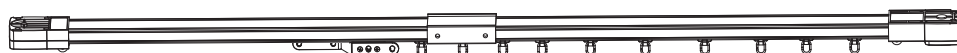


Hang the hooks on the ends of the track

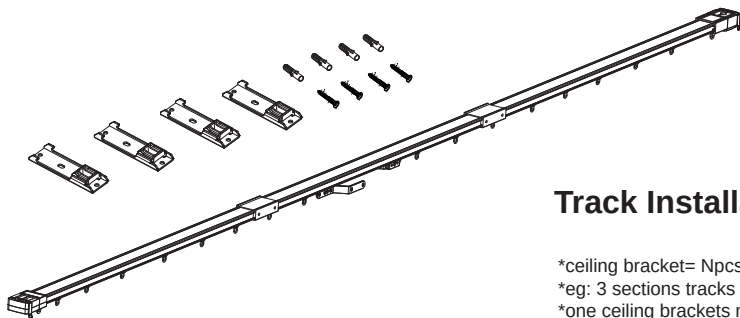
10



Motor side



Assembling is finished.



Track Installation Steps

*ceiling bracket= Npcs section+1pcs

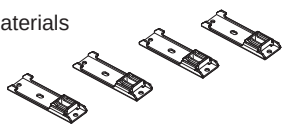
*eg: 3 sections tracks with 4 ceiling bracket

*one ceiling brackets must be near to connection.

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

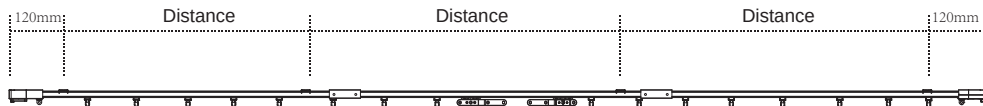
1 Location of Ceiling bracket

Materials

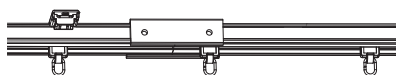


Ceiling bracket*4

Measuring the distance in advance



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



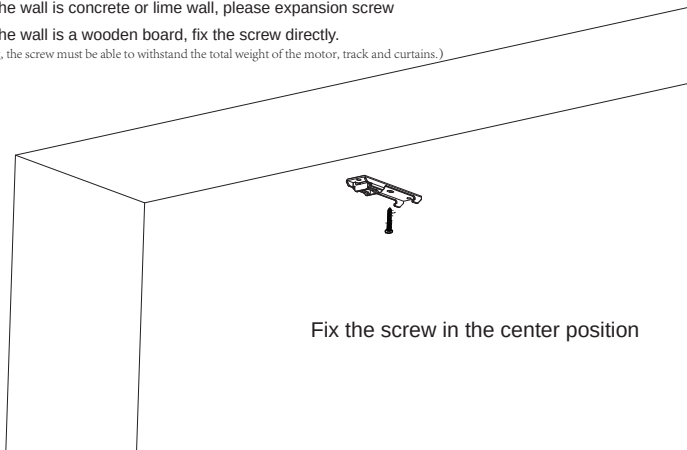
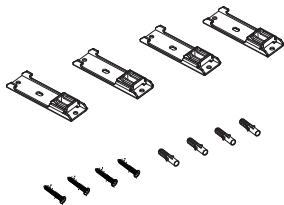
2 Fix the Ceiling bracket

Ceiling bracket*4 & screws

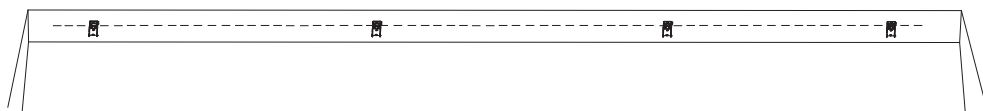
If the wall is concrete or lime wall, please expansion screw

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

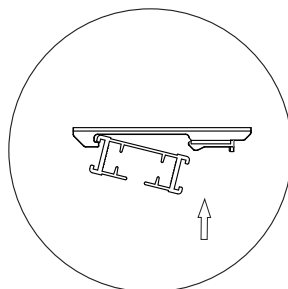
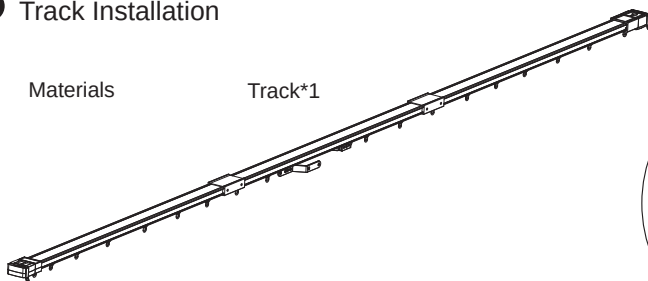


After determine the location, mounting the ceiling bracket
(Please make sure the screws are on the same line)

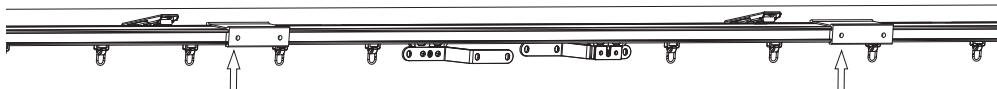
3 Track Installation

Materials

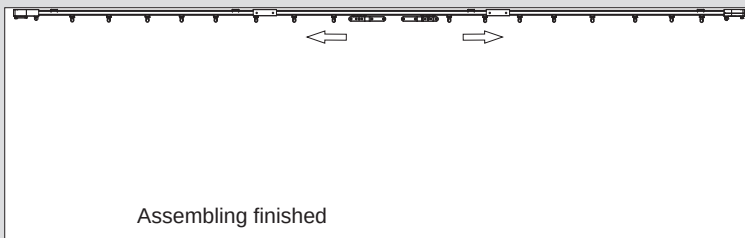
Track*1



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



4 TEST



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

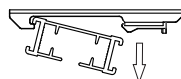


Original state

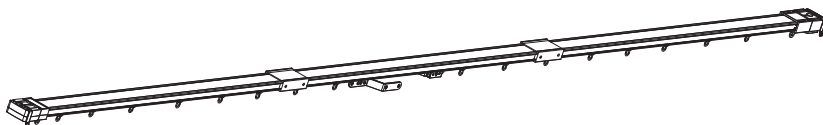


Slide the lock

Ceiling bracket lock

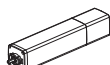


Take off the track



MOTOR

1 Materials

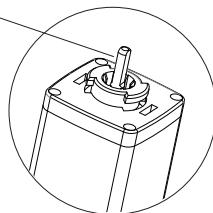
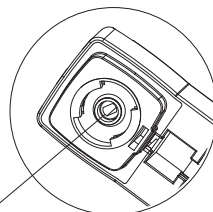


Motor



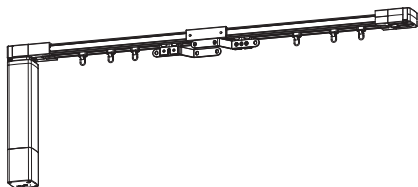
Track

Shaft & spigot



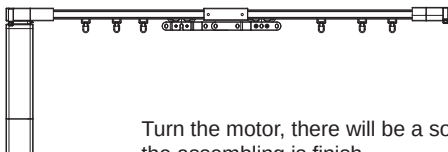
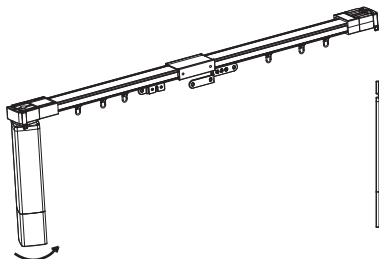
Match the motor with the spigot of the center opening

2



Complete matching

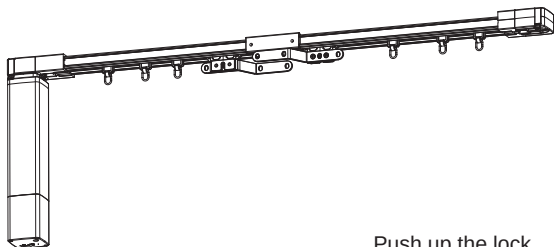
3



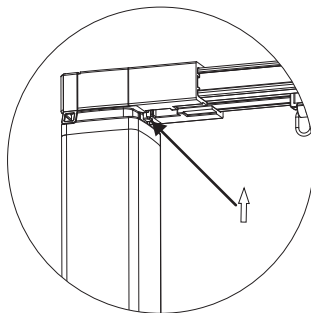
Turn the motor, there will be a sound of lock.
the assembling is finish.

Disassembly of motor

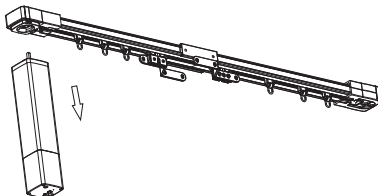
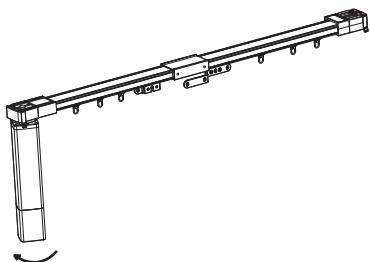
1



Push up the lock

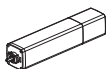


2

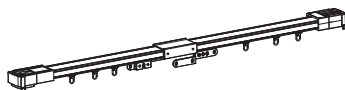


Turn the motor and take it off.

3



Motor



Track

Disassembly is finished.

Emitters



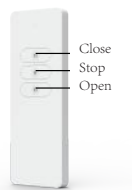
BE602



BE601



Set Button



BE301

Set Button



Hand-held remote



wall bracket for remote

Short press learn button to match code



Power on the motor
Short press the (learn)
button



Short press the
S1 button
(Not match yet)



The pilot light flash 5 times,
match code complete

Match code

The motor will keep code matching mode
for 10 sec after you press the learn button

Switch On/Off the manual operation mode

When the manual operation mode switched on, motor will move automatically when you pull the curtain about 10cm; Hold the Learn button on motor for about 5 sec, wait for the pilot light flash 2 times, press the stop button on remote, the pilot light will blink 5 times, manual operation function off, the motor won't move automatically when you pull the curtain, repeat the steps again to switch on the manual operation mode



Motor will move automatically
when you pull the curtain
about 10cm



Hold the Learn button on
motor for about 5 sec, wait for
the pilot light flash 2 times



press the stop button on remote,
the pilot light will flash 5 times,
switch on/off complete

Set up for closing position limit

Set up for closing position limit, motor will stop at
this position automatically



Short press the
S1 button



Short press close
button once



Short press close button once,
pilot light flash 5 times, set up
complete

Set up for opening position limit

Set up for opening position limit, motor will stop at
this position automatically



Short press the
S1 button



Short press open
button once



Short press open button once,
pilot light flash 5 times, set up
complete

Direction change

When the motor direction goes wrong with remote button shows, change the direction as following steps:
(The position limit will be delete after changing direction)

Operate by remote



Short press S1
button once



Short press S1
button once
again



Short press stop button once,
pilot light flash 5 times, direction
change complete

Operate by motor



Short press learn button
for 5 times fastly



Pilot light flash 5 times,
direction change complete

Delete all the position limit

Remark: all the position limits will be delete when you cut off the power and repower on

Operate by remote



Short press S1 button once



Short press close once



Short press S1 button once again, pilot light flash 5 times, delete complete

Operate by motor



Short press learn button for 4 times fastly



Pilot light flash 4 times, delete complete

Delete the remote



Short press learn button 6 times fastly



Pilot light flash 6 times, remote delete complete

Adjust the moving speed(Only BCM100DE series motor support)

Match the motor with remote before adjust the speed



Short press the S1 button once

Short press the stop button once

Pilot light flash 5 times, adjust the speed complete

Factory reset

All the remotes, position limits will be delete, manual operation mode on, dry contact mode change to mode 1

Operate by remote



Short press the S1 button once



Short press the open button once



Short press close button once, pilot light flash 5 times, factory reset complete

Operate by motor



Short press learn button for 7 times fastly



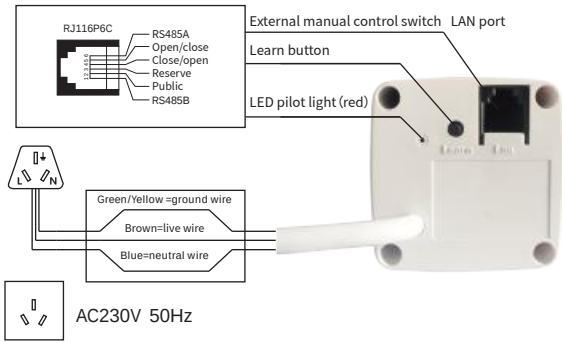
Pilot light flash 7 times, factory reset complete

Attention

- 1.The pilot light will be off after 3 seconds when you complete set up operations
- 2.Motor will stop moving if it keep working over 4 minutes

LAN port connection mode

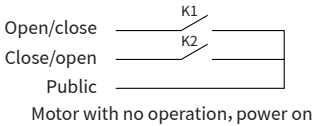
Manual operation (RJ11 LAN port function)
Remark: factory default is the first type



Short press 8 times to switch dry contact mode, the pilot light flash time shows the mode type

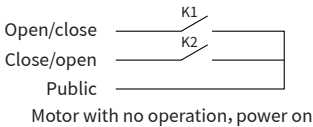
Repeat this operation to switch the manual operation modes as follow one by one

Mode 1:



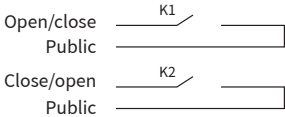
K1 close,K2 open,curtain open (or close);
K1 open, K2 open, motor keep moving;
K1 close again, K2 open, motor stop,
K1 open, K2 open,motor stop;
K1 open, K2 close,curtain close (or open);
K1 open, K2 open, motor keep moving;
K1 open again, K2 close, motor stop;
K1 open,K2 open,motor stop

Mode 2:



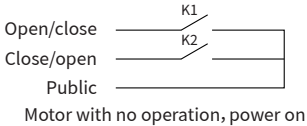
K1 close,K2 open,curtain open(or close);
K1 open, K2 open, motor stop;
K1 open, K2 close,curtain open(or close);
K1 open, K2 open, motor stop

Mode 3:



when 1 & 2 have same function,same as 1;
Motor stop,K1 open, K1 close, motor open (or close);
K1 open, motor keep moving,K1 close,motor stop;
K1 open, motor stop,K1 close, motor close (or open);
K1 open, motor keep moving, K1 close;
K1 open, K2 open,motor stop

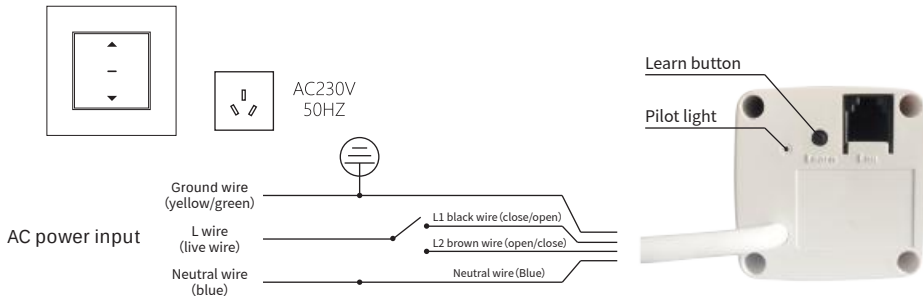
Mode 4:



K1 or K2 close(must be open before), curtain open;
K1 or K2 open(must be close before),curtain close

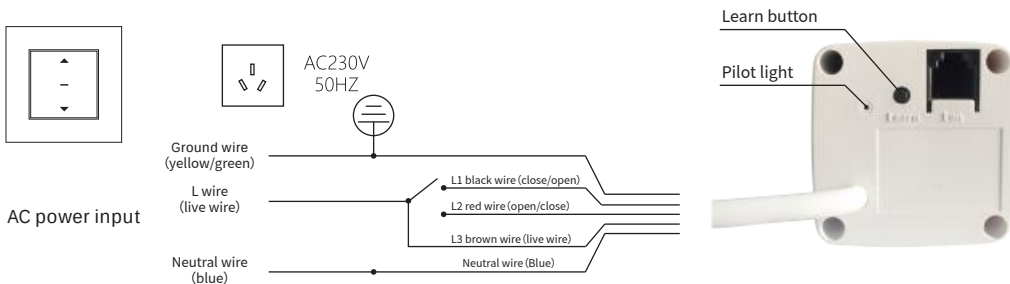
4 wires motor connection mode

Power on the motor, connect the wires of motor and switch, black-black, blue-blue, brown-brown



5 wires motor connection mode

Remark: Strong current switch has 3 control modes, they are similar with LAN port modes, you can hold stop and close button on remote until the motor vibrates once to switch the control modes



PROBLEM & SOLUTION

- * Carriers can't move smoothly: adjust the screws of the track connectors.
- * Motor can't work: check the electricity and voltage
- * Motor can't move when pull the curtain: start the manual mode by remote
- * Remote can't work: check the battery and code matching.

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 & Specification		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.