

Aqara Smart Curtain Controller Introduction

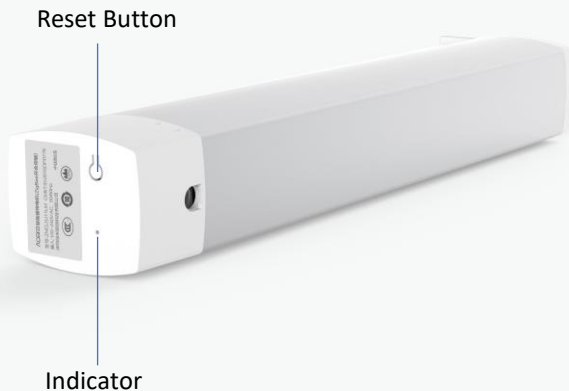
Content

- **Product Introduction**
- **Rail and Accessories**
- **Product Installation**
- **Configuration on App**
- **FAQ**

Product Profile

Aqara Curtain Controller is a ZigBee wireless communication protocol based, using ultra-quiet DC motor, with resistance to stop, stops when pull by hand and other characteristics, with ZigBee hub function with the device (referred to as "hub"), can achieve remote control, timer switch and devices, smart linkage and other functions.

Please scan the QR code to watch the **product video**.



One-click Control



Remote Control



Schedules



Custom Percentage



*This product is for indoor use only. Please bind the product to the Hub before use.

*Aqara Hub is required to enable Aqara Smart Curtain Controller to work with **Homekit**.

Smart Curtain Controller Usages

Aqara smart curtain controller can be used at home/office/hotel and so on.

**Usage 1:**

Your curtain will close automatically in case you go out.

Usage 2:

Use your Aqara Hub M1S as an illumination sensor to adjust your curtain dynamically.

Usage 3:

Control the curtain using the configurable gestures of the Aqara Cube or any other compatible wireless controller.

Product Selling Points

Customize Opening/Closing Position

You can save your favorite opening percentages via smart scenes and switch between them easily.

Smart Home Automation

Can be triggered by sensors such as Illumination, Motion, Door and Window Sensor, and more.

All-Round Compatibility

Supports the most popular voice assistants and ecosystems.

Multiple Control

Can be fully controlled by a single button such as the Wireless Mini Switch. And also support control manually.

Schedules

Your shades will open and close at a specified time of the day, for example, right before your alarm clock.

Various Curtain Mode

Apart from opening both, it also supports open left curtain and open right curtain.

Product Specifications

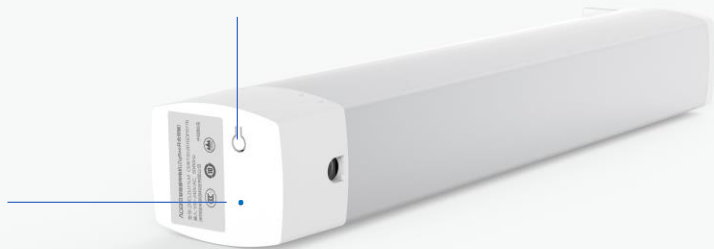
Specifications	Zigbee Version
Model	CD-M01D
Supply Voltage	100-240V AC ~50/60Hz
Cable Length	1.2 meter (Plug is excluded)
Noise	< 30dB
Torque	1.2N·m
Dimensions:	70 x 50 x 346 mm
Protection Standard	IP40
Weight	1.1 kg
Operation Speed	14cm/s
Max Load	50KG
Communication Protocol	Zigbee
Operating Temperature	-30°C +65°C
Operating Humidity	10% - 90%RH, non-condensing
Power	28W
Package Contents	Motor, User Manual.

Button Functions

Reset button

Long press for 5s: Reset/Add the device;
Single press: Effective range test/Device identify;

Indicator
light



Effective range test: When single press the reset button, the Hub will make voice prompt of “Normal link confirmed” , it means the connection between the device with Hub is normal.

Device identify: When single press the reset button, the device will flash on the app at the menu of Accessories.

Indicator Functions

No.	LED indication	Implication
1	Blue light flash once	Power on, the blue light flashes once
2	Blue light always on	Connected, motor is running
3	Blue light continues to flash quickly	Connecting
4	Red light flashes slowly	Not connected (or reset to factory)

Content

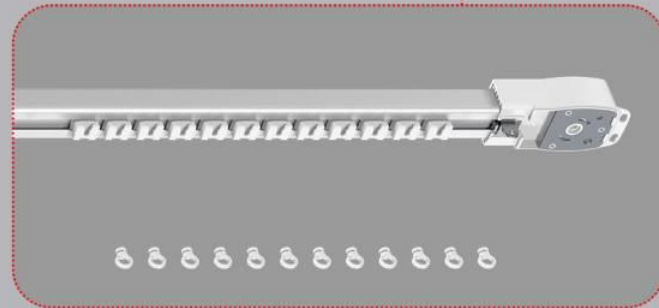
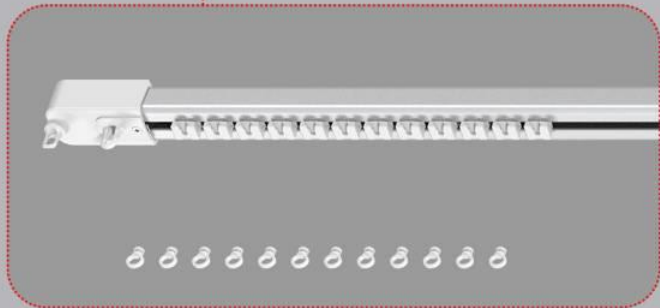
- **Product Introduction**
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Embedded Telescopic Rails





3米伸缩轨：24个吊轮
3 meter telescopic track: 24 sliders



Embedded Telescopic Rails

Accessory Name	Embedded Retractable Curtain Track (1.75-3 m)	Embedded Retractable Curtain Track (2.1-3.6 m)	Embedded Retractable Curtain Track (2.5-4.5 m)
Length	1.75~3m	2.1~3.6m	2.5~4.5m
Requirements	3m 24 Hanging wheel Large installation plate: 6 Small installation plate: 4	3.6m 30 Hanging wheel Large installation plate: 6 Small installation plate: 4	4.5m 36 Hanging wheel Large installation plate: 7 Small installation plate: 6

Embedded Telescopic Rails Specification



Linear speed: 90mm/lap;

Load: $\leq 30\text{KG}$;

Single/Double Opening: Factory default supports double opening;

Rail thickness: 1mm;

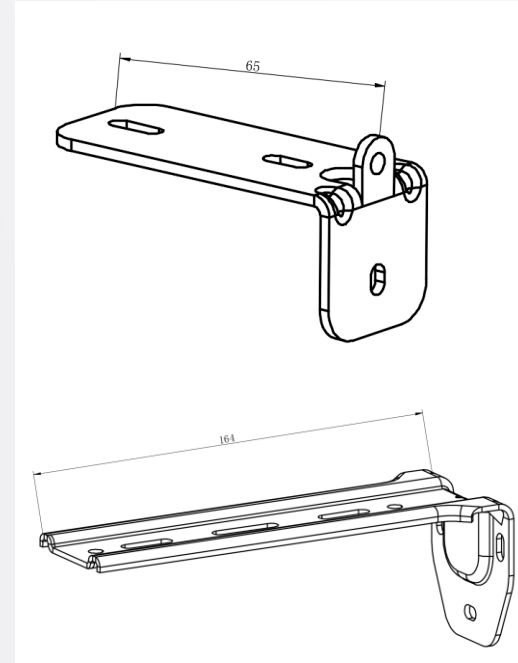
Belt specification: pitch: $Pd=5$, width 10mm;

Flat strip specification: thickness: 1mm, width: 10mm;

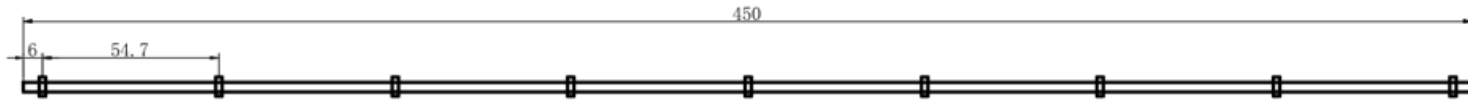
Introduction to Side Mounted

One side and two sides, all accessories are packaged into one package, suitable for three lengths of tracks.

	Name	No.
One side	Opening and closing curtain/T-shaped single wall plate	9
	Cross recessed pan head screw (stainless steel)	20
	Elastic washer (stainless steel)	20
	Flat washer (stainless steel)	20
	Hexagon nut (stainless steel)	20
Two sides	Opening and closing curtain/L-shaped double wall plate	9
	Cross recessed pan head screw (stainless steel)	40
	Elastic washer (stainless steel)	40
	Flat washer (stainless steel)	40
	Hexagon nut (stainless steel)	40



Side mounted, with 6cm left on each side, evenly distribute side mounted.



Product Packaging Information

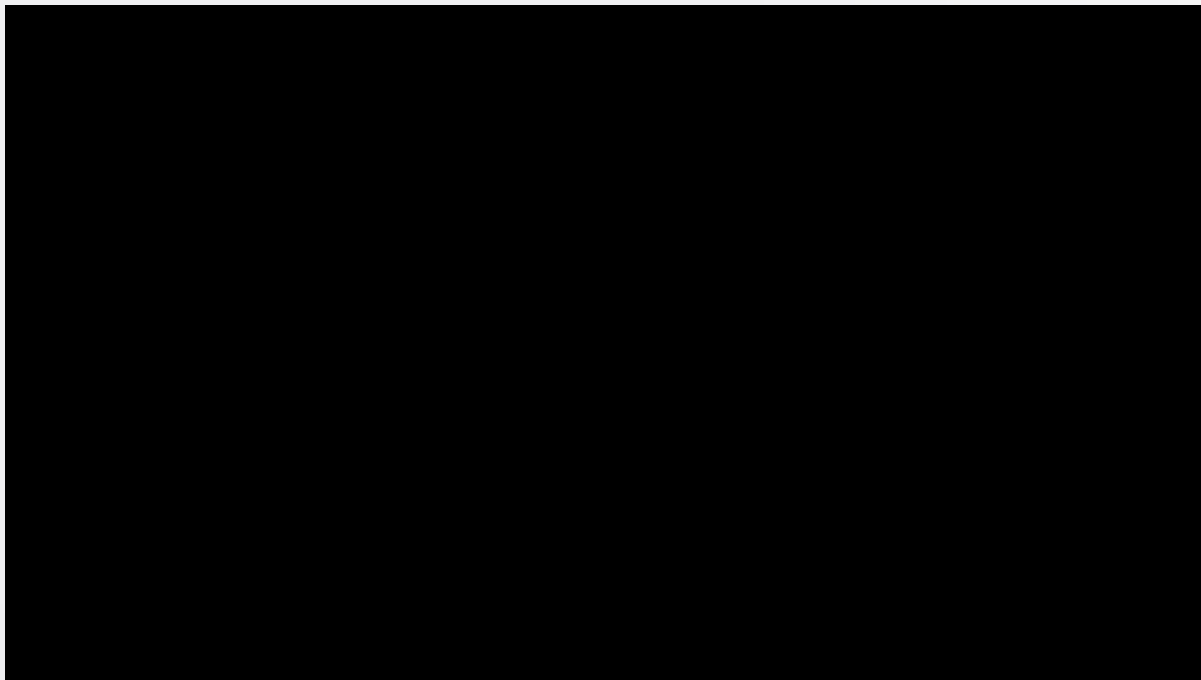
Product Name	Model	Gross weight (kg)	Net weight (kg)	Product Packaging size			Pieces/Box (pc)	Box Gross Weight (kg)	Box Packaging size		
				Length (cm)	Width (cm)	Height (cm)			Length (cm)	Width (cm)	Height (cm)
Aqara Curtain Controller	CD-M01D	1.255	1.085	38.5	10.6	5.8	9	12.27	43.7	37.5	22.9
Embedded Retractable Curtain Track 1.75-3m	MT-M01D	2.096	1.686	178	6.5	6	4	8.59	180	15.8	14.8
Embedded Retractable Curtain Track 2.1-3.6m	MT-M02D	2.316	1.886	208	6.5	6	4	9.48	230	15.8	14.8
Embedded Retractable Curtain Track 2.5-4.5m	MT-M03D	2.808	2.353	253	6.5	6	4	11.46	275	15.8	14.8
Retractable Curtain Track Single side packaging (full package)	MT-M04D	1.022	1.02	8.13	3.5	6.03	18	18.50	28	20	20
Retractable Curtain Track Double side packaging (full package)	MT-M05D	1.369	1.366	18.05	3.5	7.08	12	17.00	28	20	20

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Product Installation

Please watch the installation video



continuous connection

Product Installation- Measure Preparation

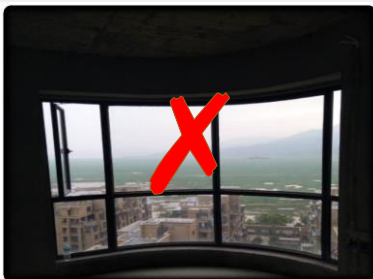
Installation Environment



Roughcast House



Gypsum Ceiling



Customized(Curved) Window



Roman Rod

Product Installation- Measure Preparation

Measure Preparation



Screwdriver



Test Pencil



Pencil



NoteBook



Tapeline

Track and opening and closing methods

*Retractable Curtain Track only supports straight track and double track modes



Straight track



One Side



Double Side



L track

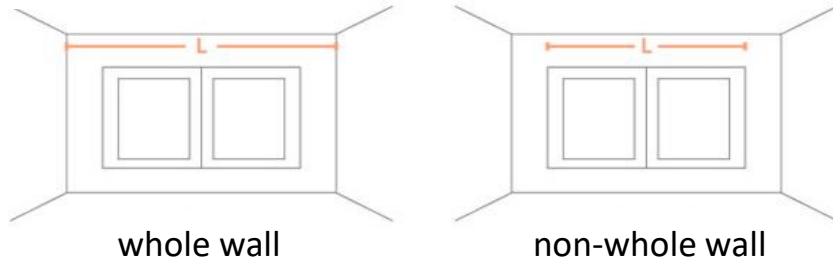


Motor left and right

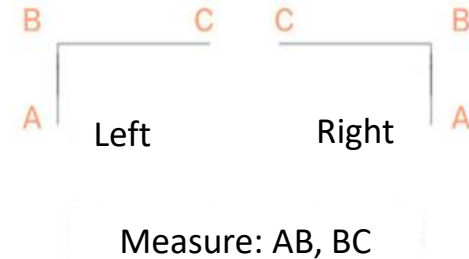
Product Installation- Measure Preparation

Measurement Method

Straight Track



L Shape



Please confirm with customer it is whole wall installation or not before measurement.

L Shape Track

Note:

1. Track is a customized product that cannot be returned or replaced
2. Roma rod is not support. It need to be demolished if already install and replace it with the curtain(open and close from left and right).
3. Measurement should be performed after the customer finishes the decoration instead of before it.
4. Hollow wall and gypsum board are not solid enough to support. Please ensure the wall is firm enough to insall the curtain controller, like the walls made up of carpentry board or stone.

Product Installation- Measure Preparation

Power Source/Socket Preparation

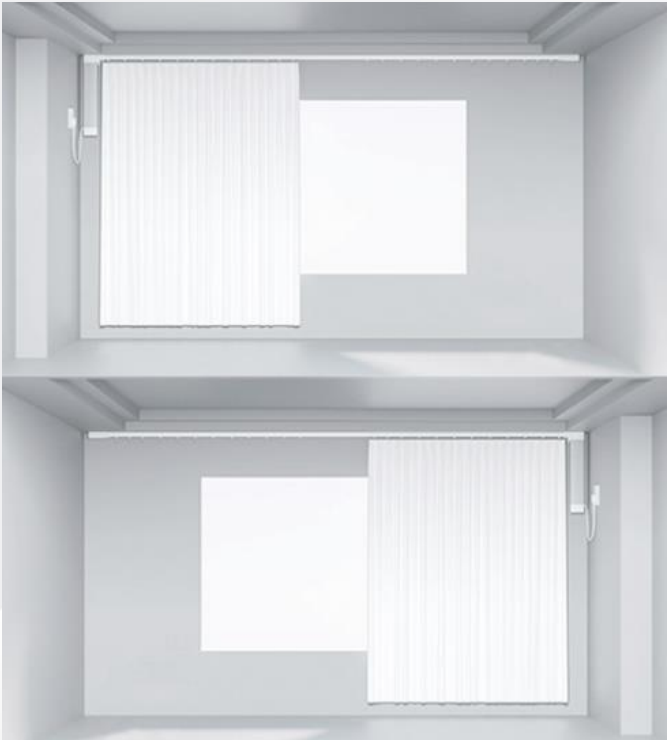
Curtain controller can be installed either on the left or right, which is depended on customer's preference.



Single-layer curtain
*one power socket required



Double-layer curtain
*Two power sockets required



continuous connection

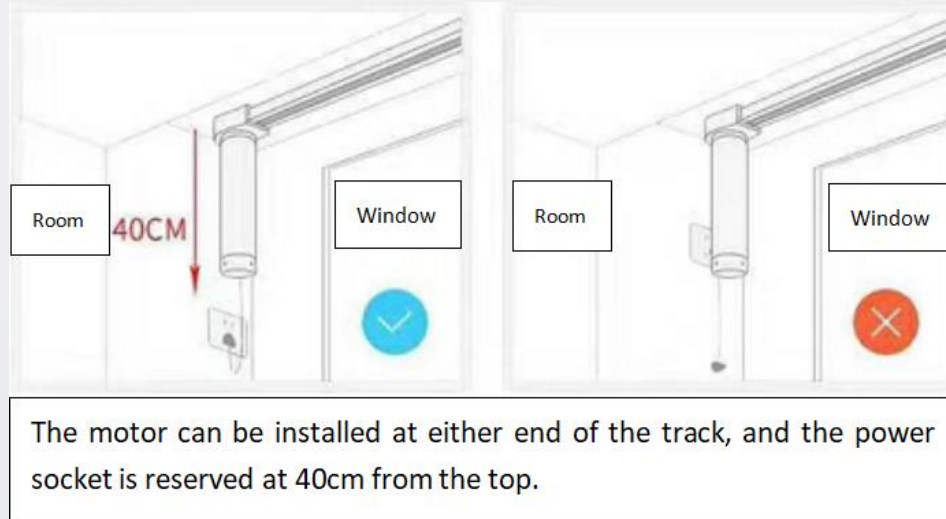
Note: Curtain controller comes with 1m power wire(no plug included). If there is no 10A power socket existing nearby, customer need to prepare extension wire themselves.

Product Installation

Power Source/Socket Preparation



Curtain motor comes with a 1 meter long power cord (plug is excluded). If there is no reserved power cord or 10A socket on one side of the shutter motor in the home, the user needs to prepare the extension cord or have the installer assist to connect the home power cord directly with the motor power cord for use.



Single Curtain Motor

1 Power socket is required to be reserved.



Dual Curtain Motor (1 Cloth +1 Sheer Curtain)

2 Power socket is required to be reserved.

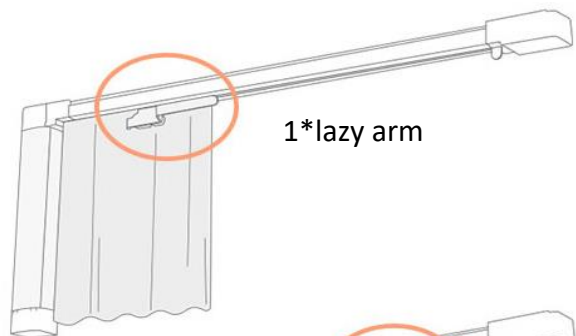


continuous connection

Product Installation- Measure Preparation

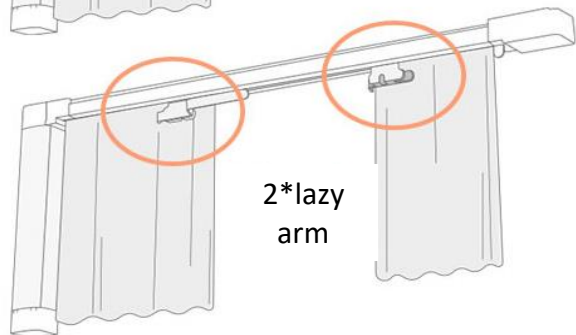
Installation Method

One
way

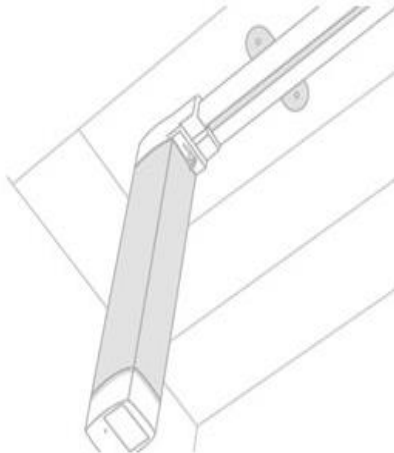


1*lazy arm

Two
way



2*lazy arm



Ceiling mounting
(with curtain box)

*It can be mounted on the
ceiling with/without curain
box

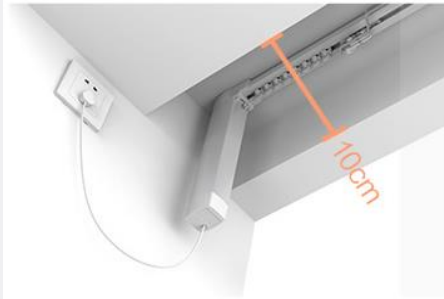


Wall Mounting
(without curtain box)

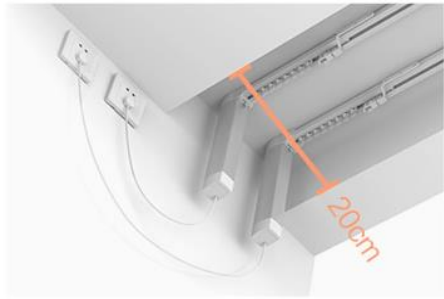
*Mounting with curtain box is
not permitted

Product Installation- Measure Preparation

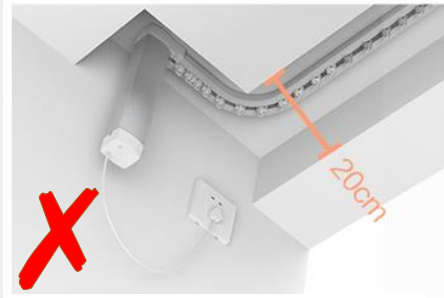
Measure Curtain Box



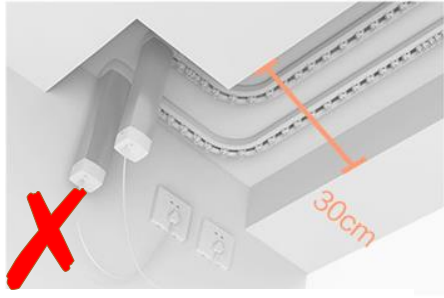
Single Straight Track
Inner diameter > 10cm



Double Straight Track
Inner diameter > 20cm



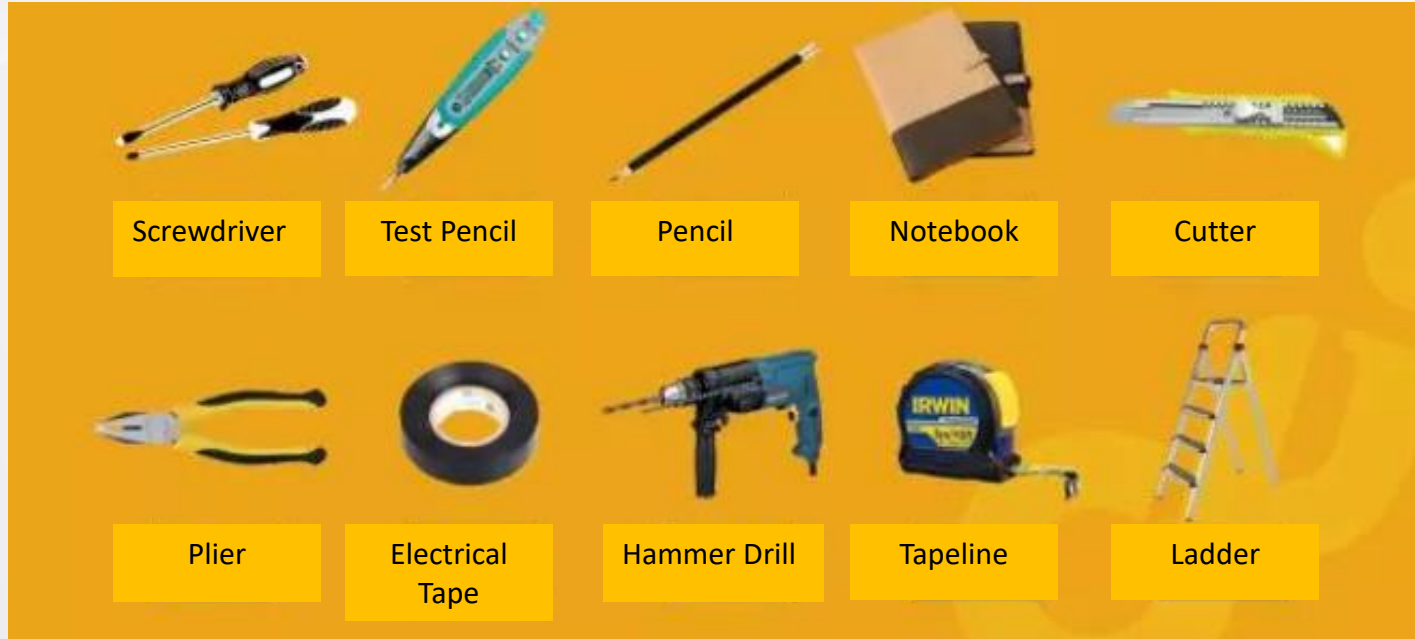
Single L Track
Not Supported



Double L Track
Not Supported

Product Installation

Installation Preparation



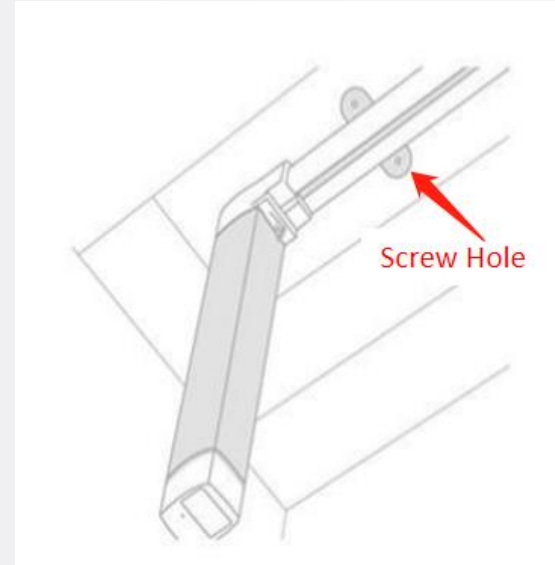
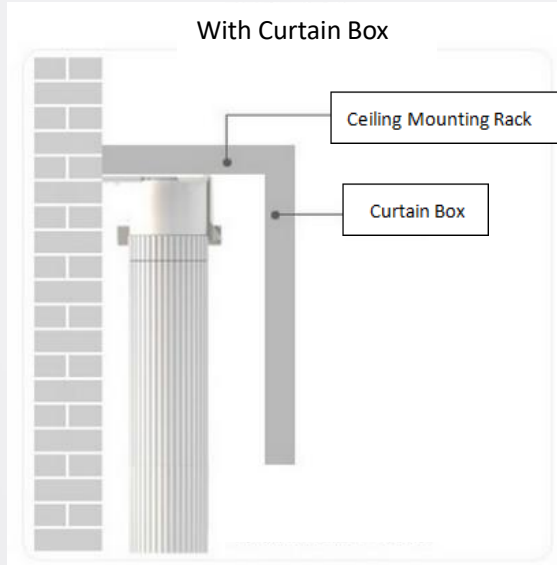
Before Installation:

1. Check if the number of the controller and track, make sure they match the customer's requirement.
2. Make sure the controller and track are not damaged due to transportation.
3. Power on the controller to confirm if it works properly.
4. Measure the track's dimension and check whether it matches the original data or not.

Product Installation

Ceiling Mounting

Ceiling material supports installation-- it needs to be determined by the installer or user whether it can bear the load.



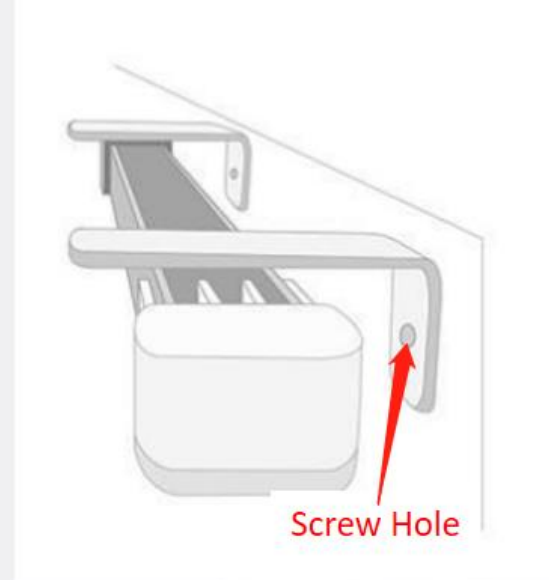
Note: Ceiling Mounting (With Curtain Box)

1. Can be installed W/O curtain box
2. The depth of curtain box is recommended to be less than 15cm

Product Installation

Side Mounting (No Curtain Box)

The side mounting surface shall be greater than 7cm (the requirements for monorail and double rail are the same).

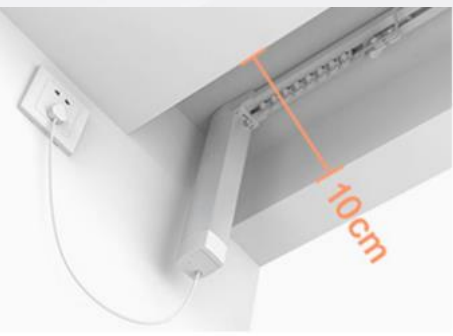


Side Mounting (No Curtain Box)

*Can be installed only without curtain box

Product Installation

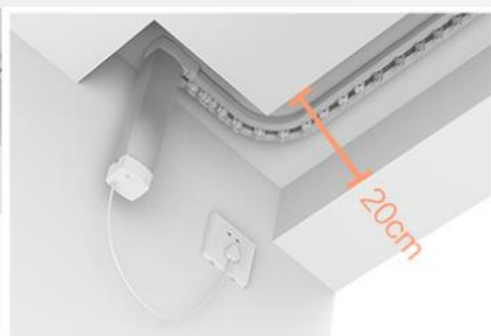
Reserved size of curtain slot



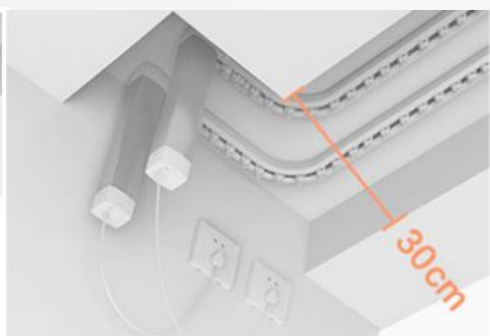
Monorail straight rail electric curtain, the inner diameter of the curtain box requires over 10cm



Dual straight rail electric curtain, the inner diameter of the curtain box requires over 20cm



L Shape Monorail electric curtain, the inner diameter of the curtain box requires over 20cm



L Shape dual rail electric curtain, the inner diameter of the curtain box requires over 30cm



Straight Monorail 10CM



Straight dual rail 20CM



L Shape monorail 20CM



L Shape dual rail 30CM

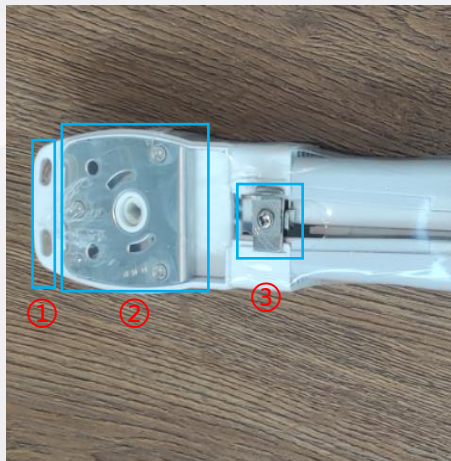
Product Installation

Curtain Requirement?

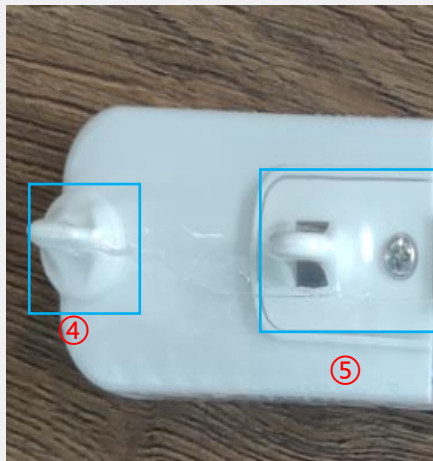
1. The curtain requires hooks due to the curtain track is hung by the circular hanging ring.
2. The weight of curtain shall not exceed 50KG.



Retractable Curtain Track Parts



- ① Hanging holes at the end of the main transmission box: Curtain fabric needs to be hung here to cover the motor
- ② Main transmission box: installing motor
- ③ Main transmission box lock buckle: You can loosen the screw here to remove the lifting wheel and adjust the number of lifting wheels

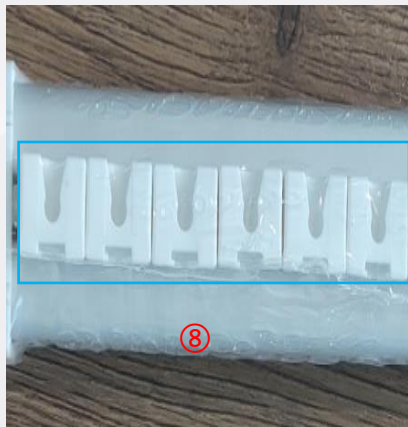


- ④ Hanging holes at the end of the auxiliary transmission box: Curtain fabric needs to be hung here to prevent light leakage
- ⑤ Auxiliary transmission box lock cover: You can loosen the screws here to remove the lifting wheels and adjust the number of lifting wheels



- ⑥ Telescopic fixing screw: The screw on the back of the track. Loosen this screw and slide the track to the appropriate size before locking the screw
- ⑦ Connection point: Expansion connection point for large and small tracks

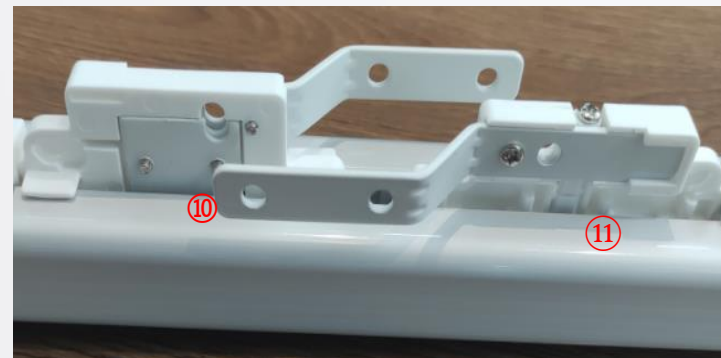
Retractable Curtain Track Parts



⑧ Suspension wheel base: The suspension wheel needs to be installed in order to be used



⑨ Suspension wheel component: installed in the base and used for hanging curtain fabric



⑩ Auxiliary pulley: 2 screws can be loosened, and the position can be adjusted after the spring ejects

⑪ Main pulley: screws do not need to be loosened, normal use

Retractable Curtain Track Parts



⑫ Large installation plate: track installed after retracted track

⑬ Small installation plate: Track installed before retracted



⑭ Single side: single side mounting, a set of 9 (chargeable)

⑮ Double Side: Double side mounted , a set of 9 (chargeable)

⑯ Side mount fixing screws: fix the installation and side mount



⑰ Expansion screw and expansion pipe: install wall screws

Retractable Curtain Track Installation



Measure the wall dimensions and confirm the installation length



Flip the track to the back and loosen the telescopic fixing screws

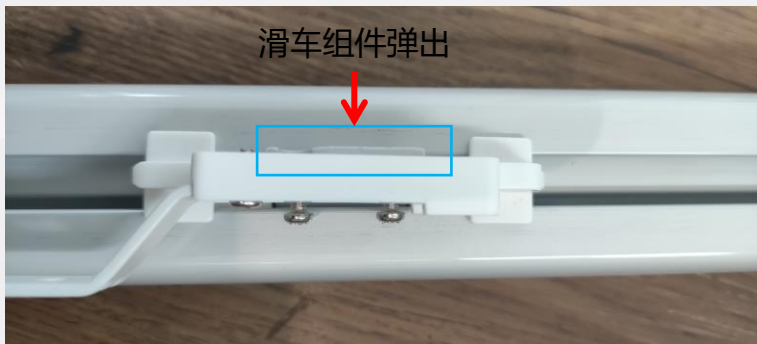


Loosen the screws and extend the track to the installation length



After confirming the length, tighten the telescopic fixing screws

Retractable Curtain Track Installation



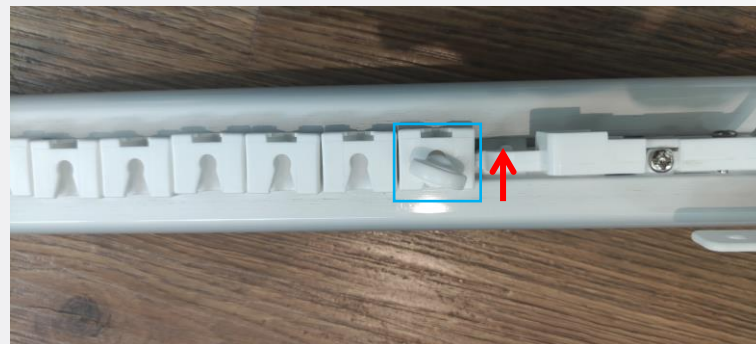
Loosen the two fixing screws of the auxiliary pulley assembly to eject the pulley assembly



Push both the main and auxiliary pulleys onto the edge of the track



After pushing both the main and auxiliary pulleys to the side, tighten the two fixing screws of the auxiliary pulleys

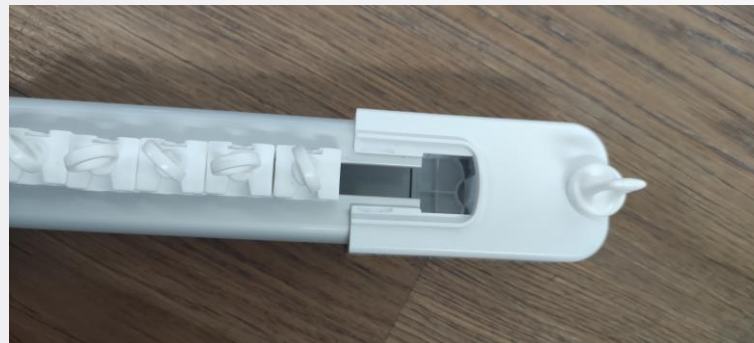


Install all crane wheel components into the crane wheel base

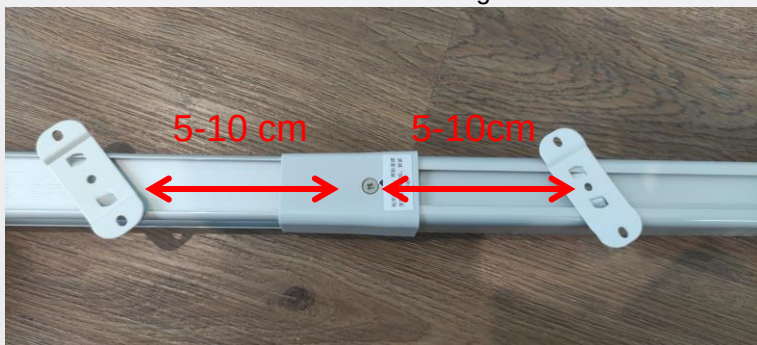
Retractable Curtain Track Installation



Loosen the locking screws of the main and auxiliary transmission boxes to remove the lifting wheel



If there are too many lifting wheels, they can be removed

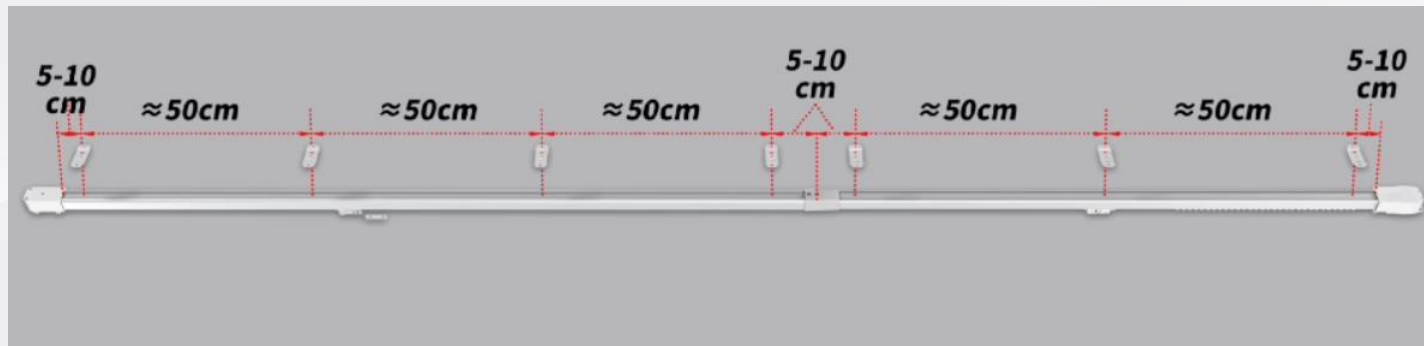


Fixed installation plate, one size installation plate is required on each side 5-10cm at the connection point, and two installation plates are required at 1 meter in other places

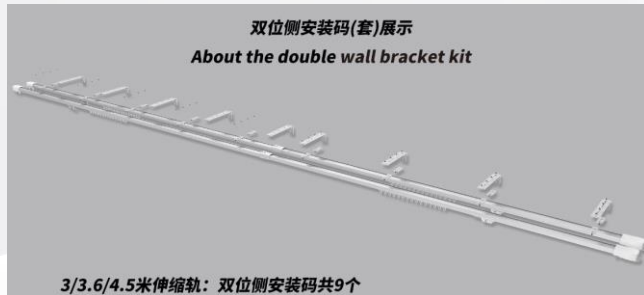
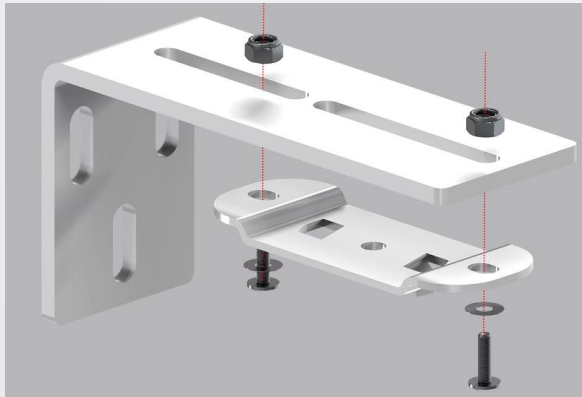


Rotate all installation plate to fix them properly. The top installation can be directly installed on the wall. If it is a side installation, install the side installation plate before installing them on the wall

Precautions for Installation Code and Side Installation Code



Install 2 installation plate at 1 meter, and install 1 installation plate at the connection point and 5-10 cm at the end of the transmission box



The side installation plate is a non-standard product, and the installer need to confirm with customer before installation. If it is a side installation, the customer service needs to be contacted to purchase the side installation code before installation. There are 9 single and double side installation plates, and 2 are installed for 1 meter

Motor installation



① Connected to a local plug
(Above is a Chinese version plug as an example)



② Install the motor directly
into the transmission box



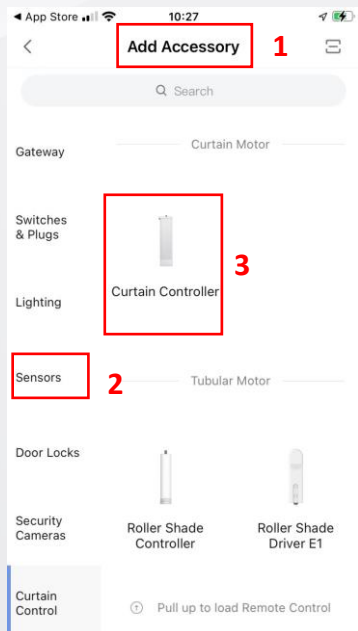
③ Flip the knob to secure
the transmission box

Content

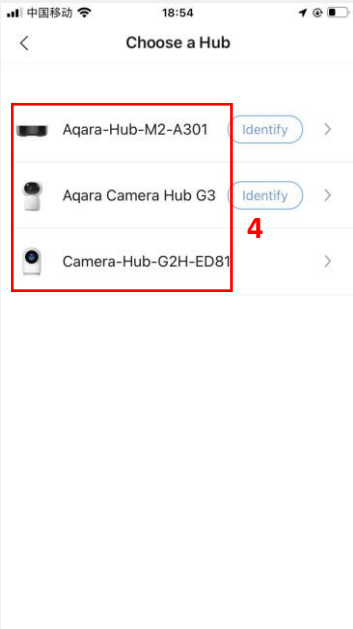
- Product introduction
- Product installation
- **Configuration on App**
- FAQ

How to Bind Curtain Controller on App

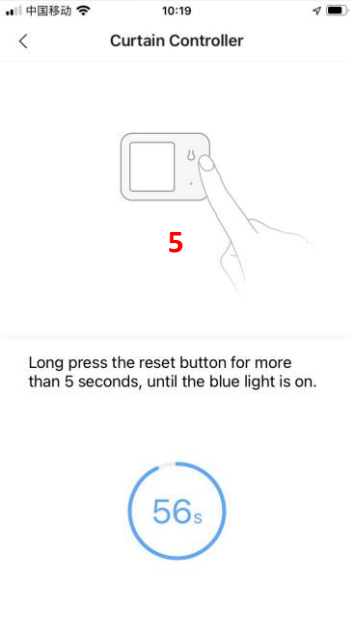
Open the app, enter "Add Accessory" and select "Curtain controller".



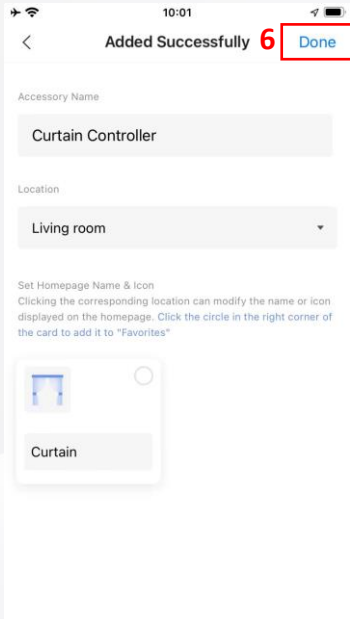
Choose a Hub. Please complete the hub binding before selecting a hub here.



Press and hold the reset button for more than 5s, until the blue light is on.

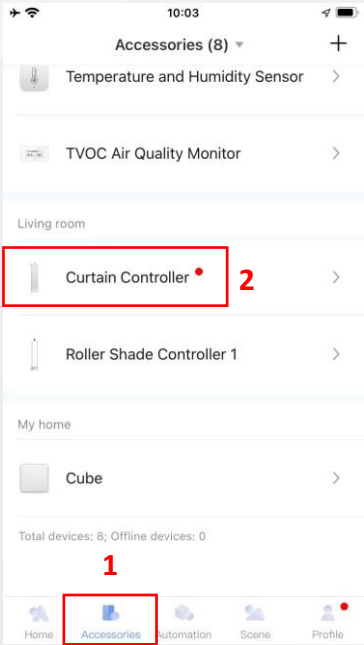


Click "Done" to complete the device binding.

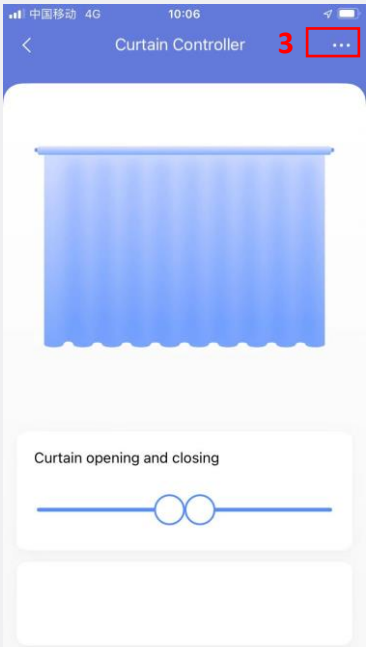


How to Rename the Device

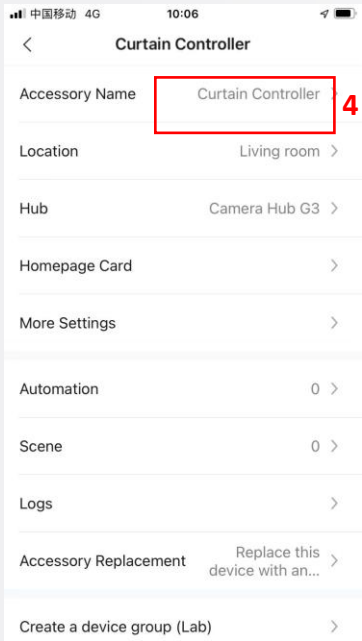
Open the app, enter "Accessories" and select "Curtain controller".



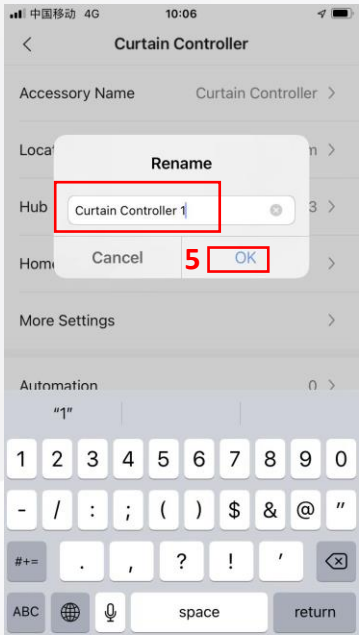
Click "...".



Click "Accessory Name".



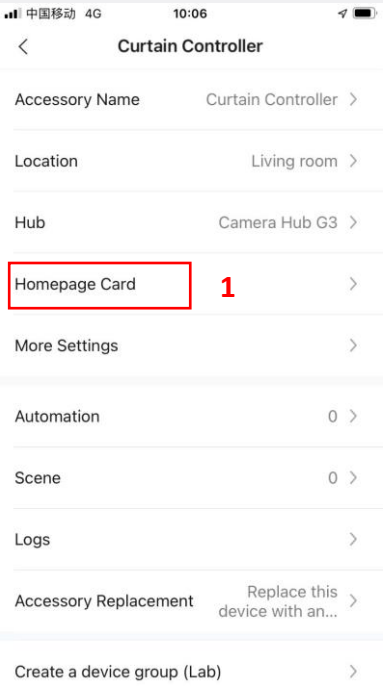
Input new name and click "Confirm".



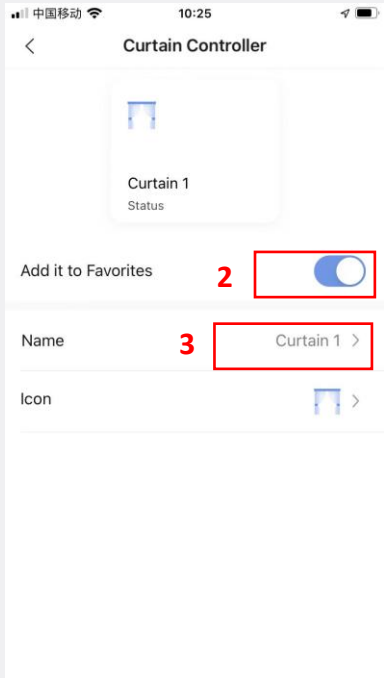
*Once rename the device, the new name will display at the menu of "Accessories" on App.

How to Add Device to “Favorite” on Homepage

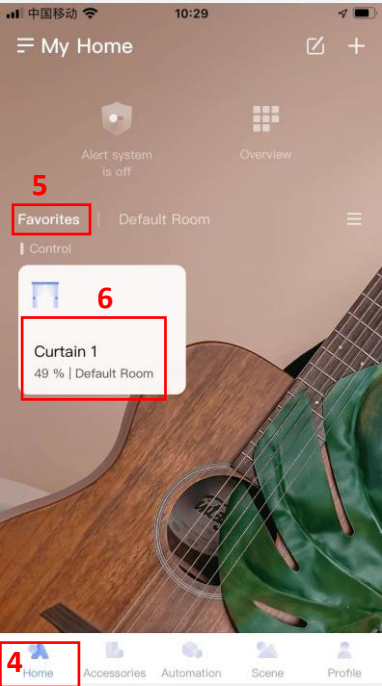
Open the app, enter “Curtain controller” . Then click “Homepage Card”.



Enable “Add it to Favorites”.
Give the new name on the homepage for device as per requirement.



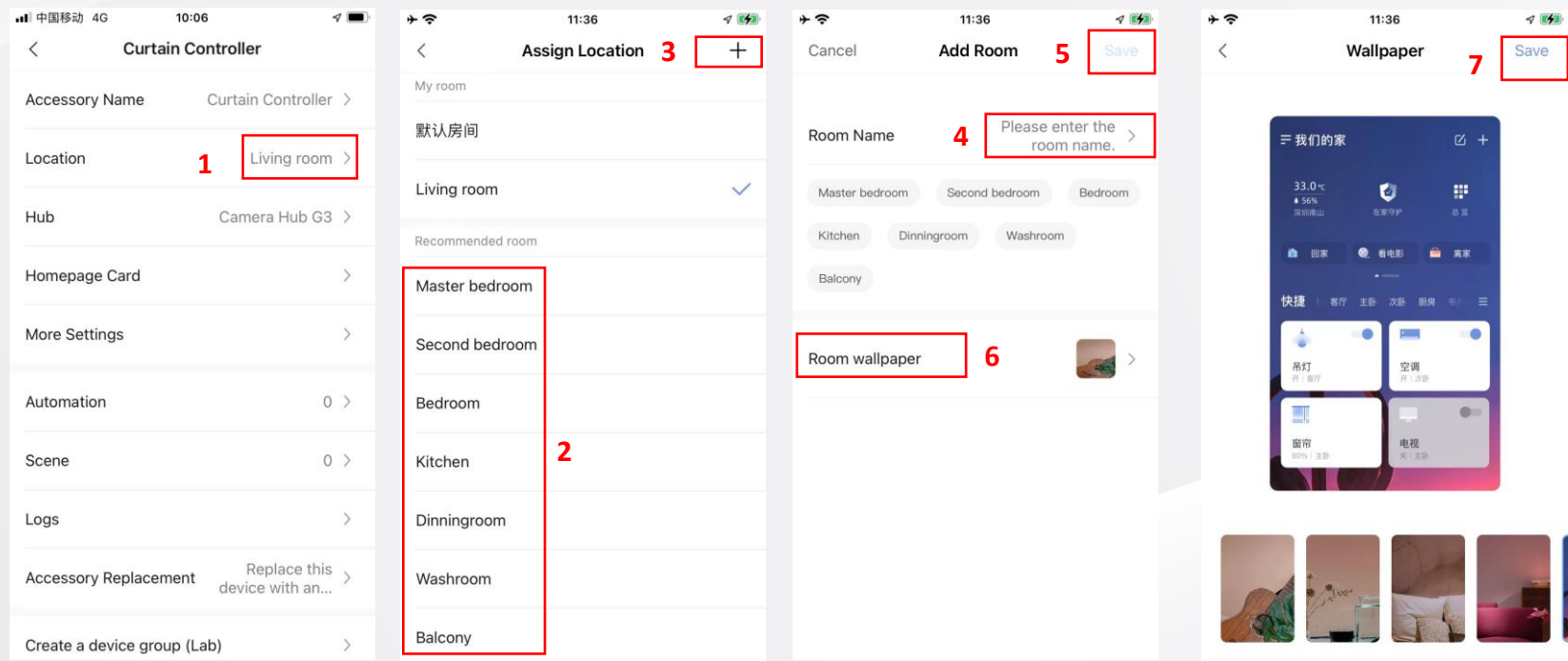
Go to the homepage and click “Favorites”.
The device will display here.



*Once give the new name at step 3, the new name will display at “Favorite”.

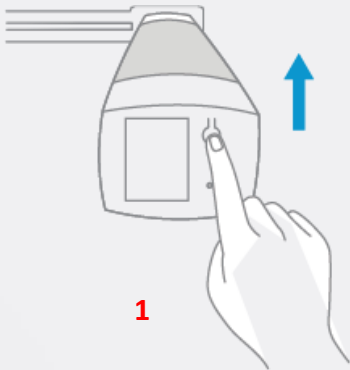
How to Set Location

Select the location: Step 1--Step 2;
Create new location: Step 1--Step 3--Step 4--Step 5, or you can select the name in the list here;
Select the wallpaper: Step 1--Step 3--Step 6--Step 7.

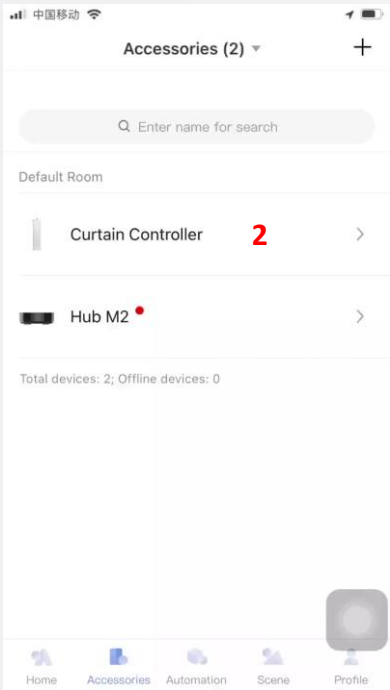


How to Identify the Device

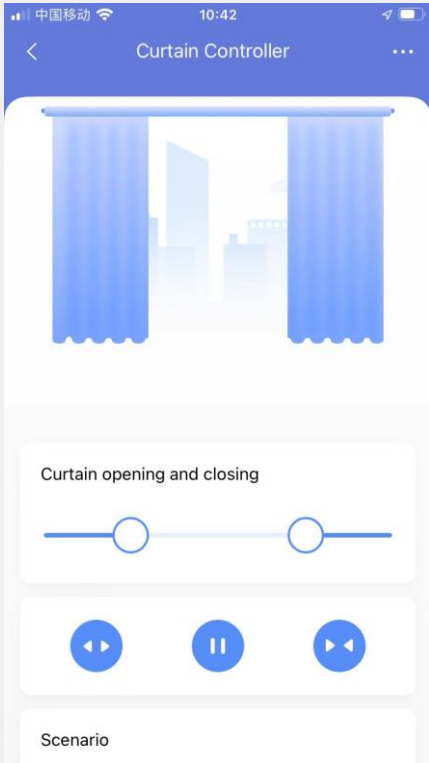
Single press the reset button.



Check the device at the “Accessories” Page. The device will flash on App.



How to Control the Curtain on APP

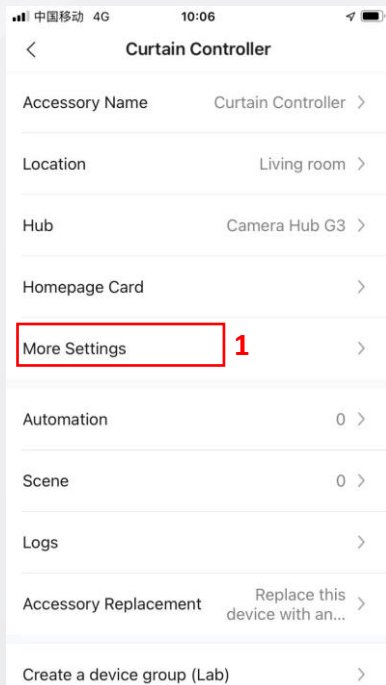


Button to control the percentage of the opening/closing

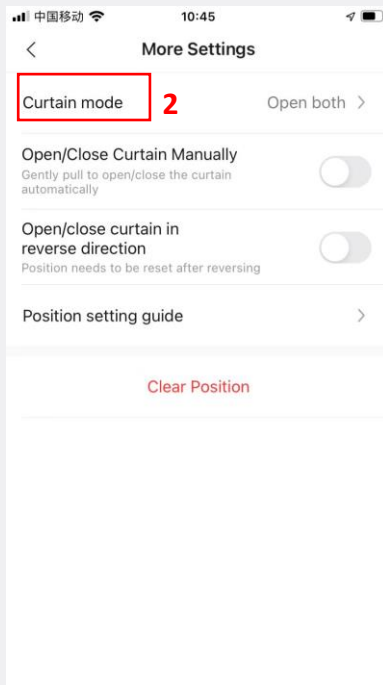
Button to open/stop/close the curtain

How to Select Curtain Mode

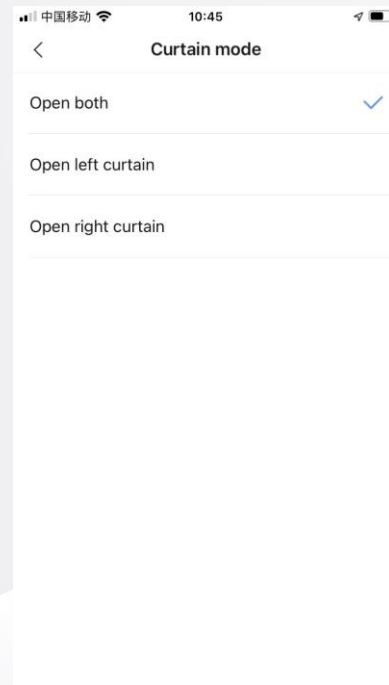
Click “More Settings”



Click “Curtain Mode”

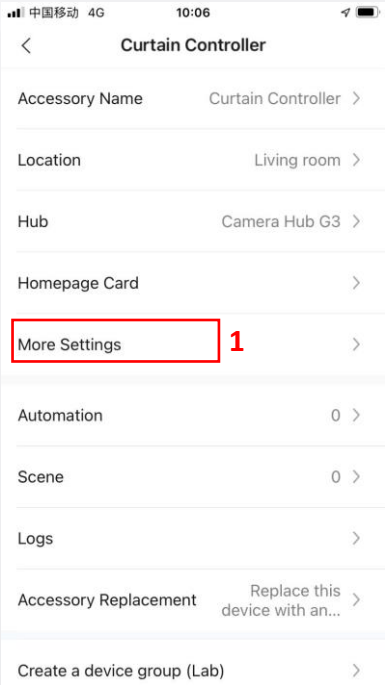


Select the curtain mode from the list

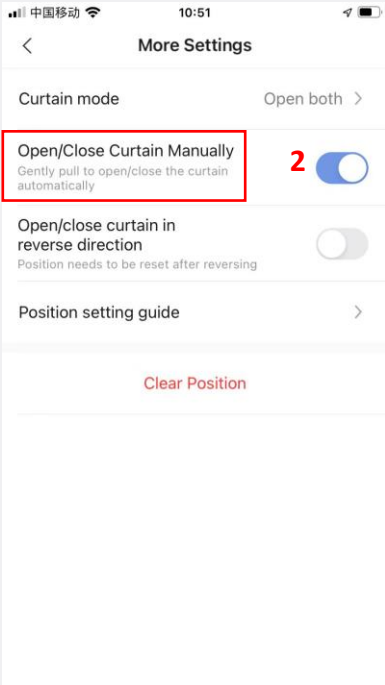


How to Set Open/Close Curtain Manually

Click “More Settings”

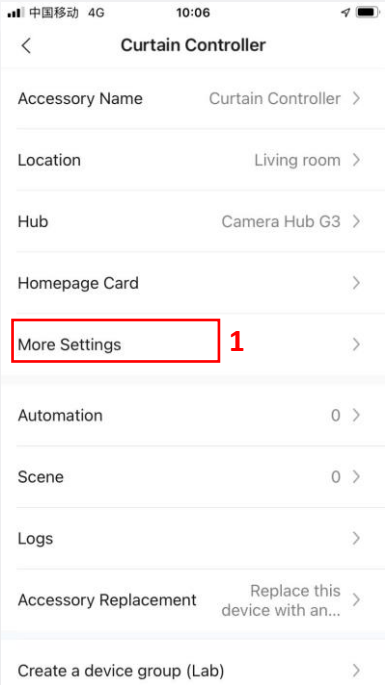


Enable “Open/Close Curain Manually”

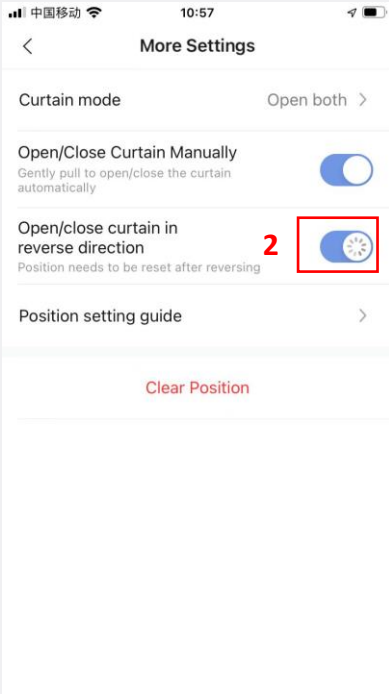


How to Set Open/Close Curtain in Reverse Direction

Click “More Settings”

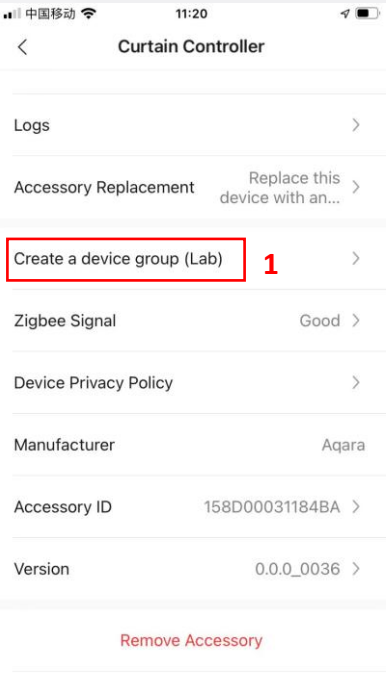


Enable “Open/Close Curtain in Reverse Direction”

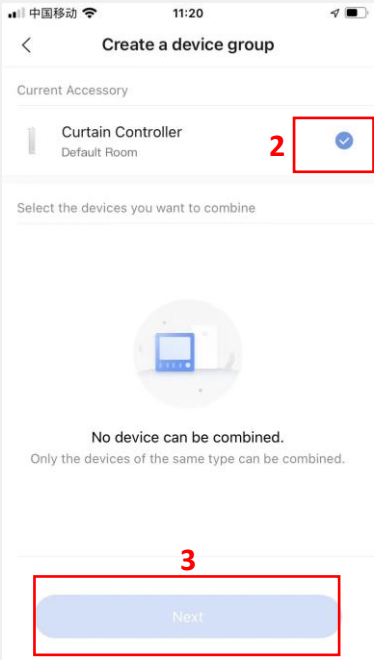


How to Create Device Group

Click “Create a device group”

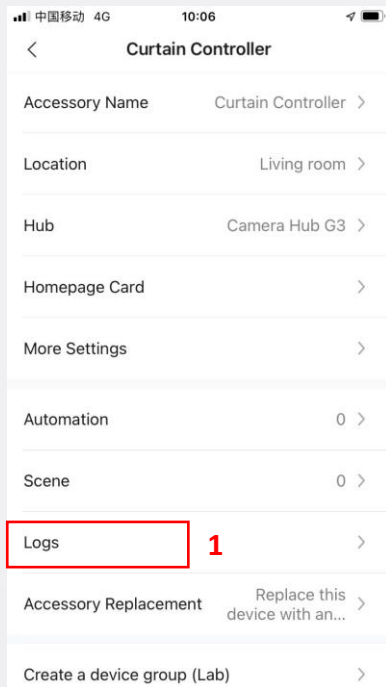


Select the device and click “Next” to complete the setting.

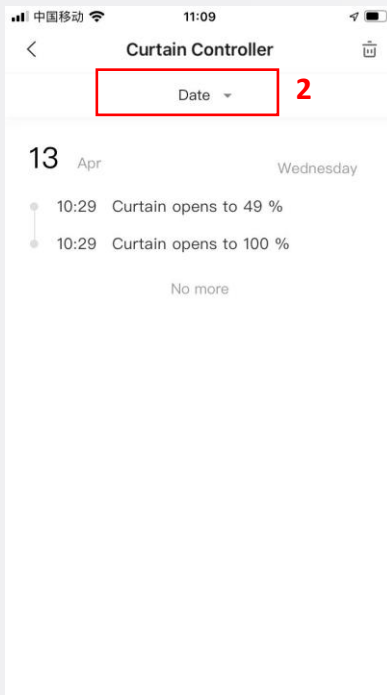


How to Check Logs

Click "Logs" when enter "Curtain controller".



Select the date.



How to Configure Automation and Scene



Aqara curtain controller supports the below Automation on **Aqara Home App**.

Please click “Automation” and “Scene” to start the configuration, below are the main steps on App.

IF:

Not support

Then:

Open

Close

Open/Close

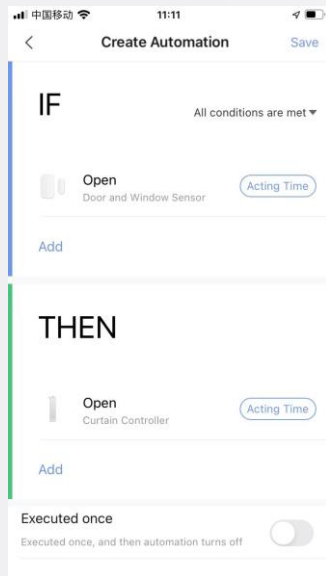
Open to

Stop

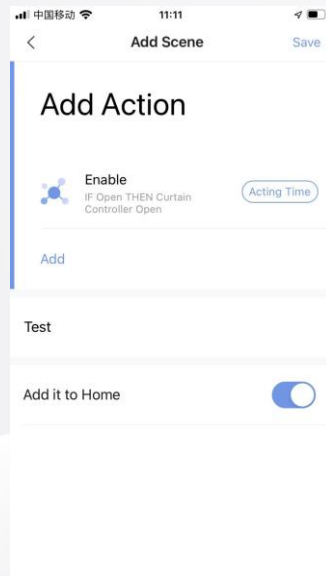
Adjust curtain opening ratio (Only support cube rotation)

Set it to specified scene

Automation configuration



Scene configuration



Content

- **Product introduction**
- **Product installation**
- **Configuration on App**
- **FAQ**

FAQ for Curtain Controller



1. What is the maximum load the Aqara Curtain Controller supports?

50KG

2. How much is the torque of the Aqara Curtain Controller?

1.2N·m

3. When I pull the curtain manually, the curtain can not open or close automatically.

Please make sure that the "Open/close curtain manually" feature is enabled already in the app.

4. How to reset the Aqara Curtain Controller?

Please long-press the reset button for 5 seconds until the blue indicator light goes on and release it.

5. The curtain stopped halfway.

1. Please check if there are obstacles on the curtain track.

2. Clear the motor's route by the "Clear route" command in the app, and then try again.

6. Can the curtain be opened/closed after the Aqara Curtain Controller powers off?

Aqara Curtain Controller supports the "Manual" feature. The curtain can be opened/closed manually after the motor powers off.

7. If the curtain will close when we control the device to open it and vice versa, how could we adjust it to the correct direction?

Please adjust the direction through "Adjust opening/closing direction of curtain" in "Settings" in the app.

Thank you