

Smart Curtain Motor

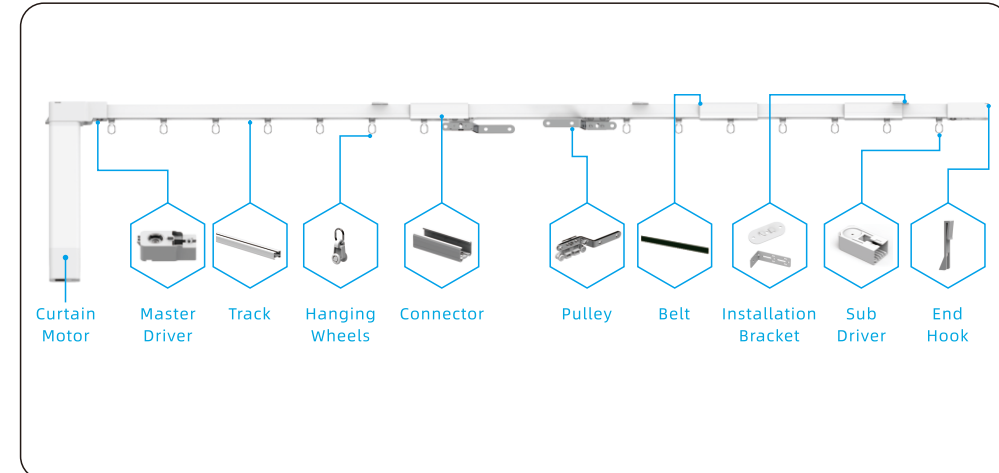
ZM87E-DT

Instruction

Specification

Product Model	Protocols	Rated voltage	Rated Frequency	Max Power
ZM87E-DT	Zigbee/WiFi	100~240V AC	50/60Hz	55W
Rated Torque	Max Current	Output RPM	Track Size	
1.5N.m	0.4A	100 RPM	2.1m; 3.1m; 4.1m; 5.1m; 6.1m; 7.1m; 8.1m	/

Product instruction



Product list

NO.	Product	Picture	Collocation	NO.	Product	Picture	Collocation
1	Curtain motor		1PC	8	Hanging wheels		8 PCS/meter
2	Master driver		1PC	9	Ceiling bracket		0.5 meter/PC
3	Sub driver		1PC	10	Side bracket		0.5 meter/PC (optional)
4	Track		100mm, 200mm, 500mm, 1000mm (see purchase or required length)	11	Connector		100mm, 200mm 2 kind of size
5	Belt		Purchase at required length, 1m track with 2m belt	12	Remote control		Retrolateral opening: 2PCS/SET One-side opening: 1PC/SET
6	Pulley		Retrolateral opening: 2PCS/SET One-side opening: 1PC/SET	13	Remote control		1PC
7	Extended hook		Retrolateral opening: 2PCS/SET One-side opening: 1PC/SET	14	Belt gauge		1Set

Annotation①:

Extended hook

Application

Description:
If the track length is not enough, we can use extended hook to extend track length. Hang it on Master and Sub driver, it will work.

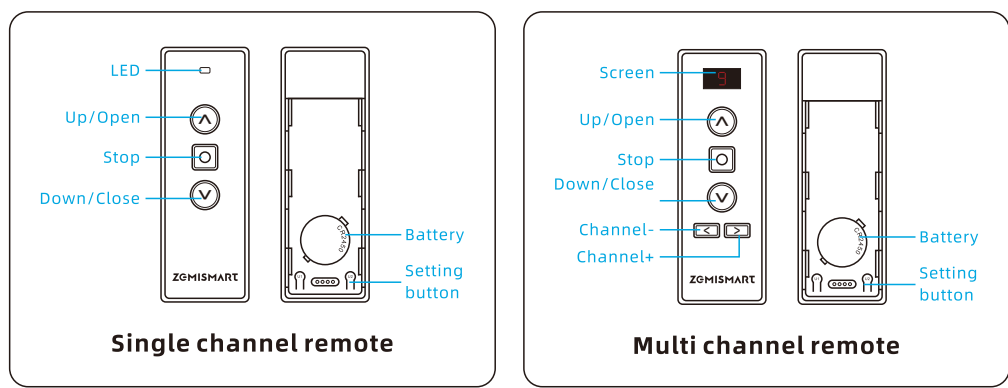
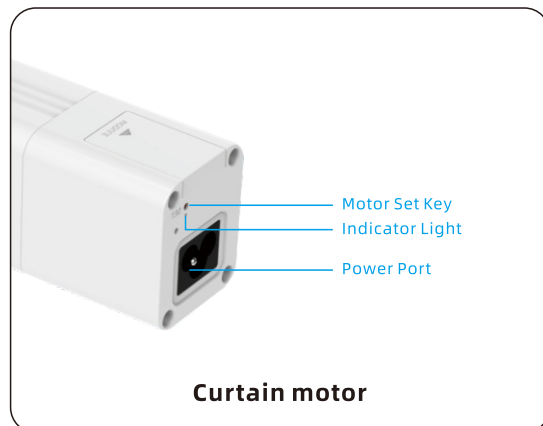
Annotation②:

A: Belt gauge

B: Lock head

Description:
A: Belt gauge: Measure the belt during assembly to confirm the position that needs to be cut.
B: Lock head: For lock on belt with the belt gauge, to fix and cut belt. Please check the assembly instruction for cutting belt steps 3-6.

Button manual



The standard package may include a 1-channel remote, while the manual uses a 9-channel remote as an example.

Curtain motor standard spliced track

Curtain track built-in quantity (Note: The track will have a tolerance range of 1-2mm during production, which is a normal phenomenon.)

No.	Size	Track QTY	Track connector QTY	Length adjusting track(mm)	Applied in
1	2.1m	1	1	1	Under 2.16m
2	3.1m	2	1	2	2.16m~3.16m
3	4.1m	3	1	2	3.16m~4.16m
4	5.1m	4	1	2	4.16m~5.16m
5	6.1m	5	1	2	5.16m~6.16m
6	7.1m	6	1	2	6.16m~7.16m
7	8.1m	7	1	2	7.16m~8.16m

Note: 1000mm, 500mm, 200mm, 100mm are the length.
1. The track length sizes include 1000mm, 500mm, 200mm, 100mm.
2. Track connectors have two sizes: 200m and 100mm.
3. Use tracks of different lengths, through connectors, and combine them together.

Curtain track assembly specification

Step 1: Splicing track

Use-method for 100mm connector

Put the 100mm connector in the track

Place the track in the middle of the connector

Another track to be connected is also inserted into the connector

Align and fit the two tracks right in the middle of the connector

Turn over the track, lock the track with the connector with screws

Screws should not be too tight to avoid deforming the track

Use-method for 200mm connector

Put the 200mm connector in the track

Place the 100mm track in the middle of the connector

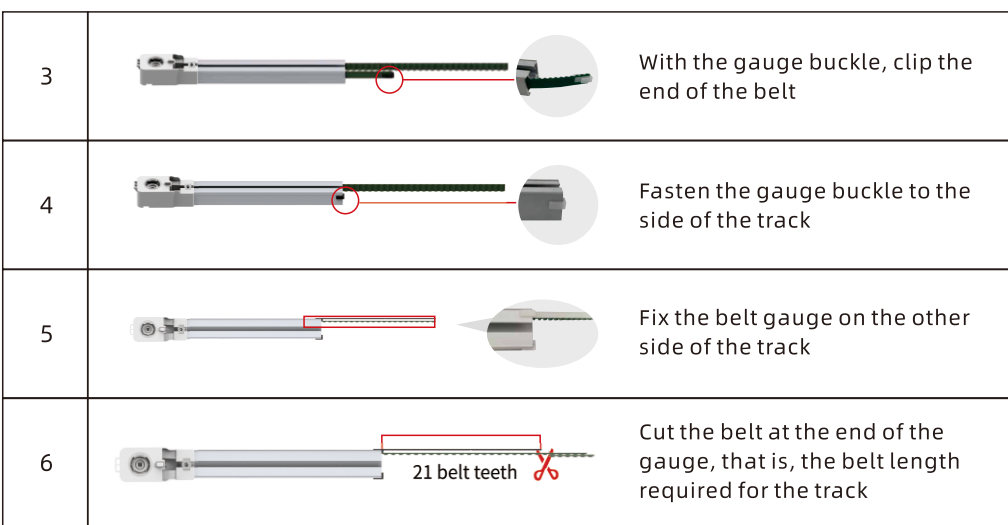
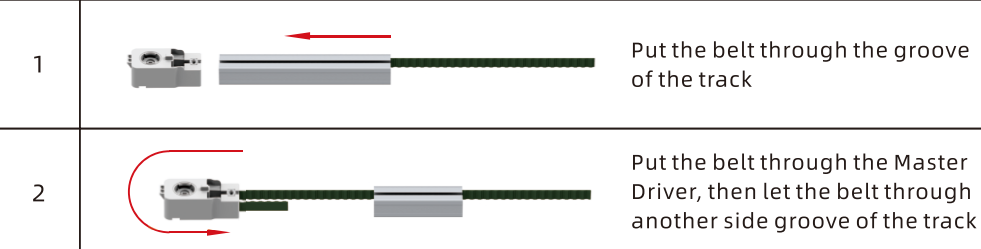
Another track to be connected is also inserted into the connector

Align and fit the track right in the middle of the connector

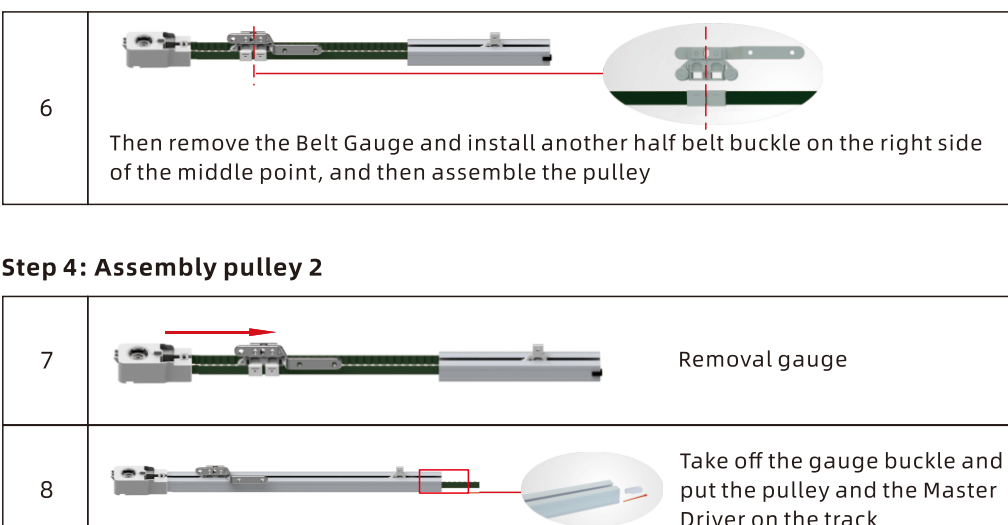
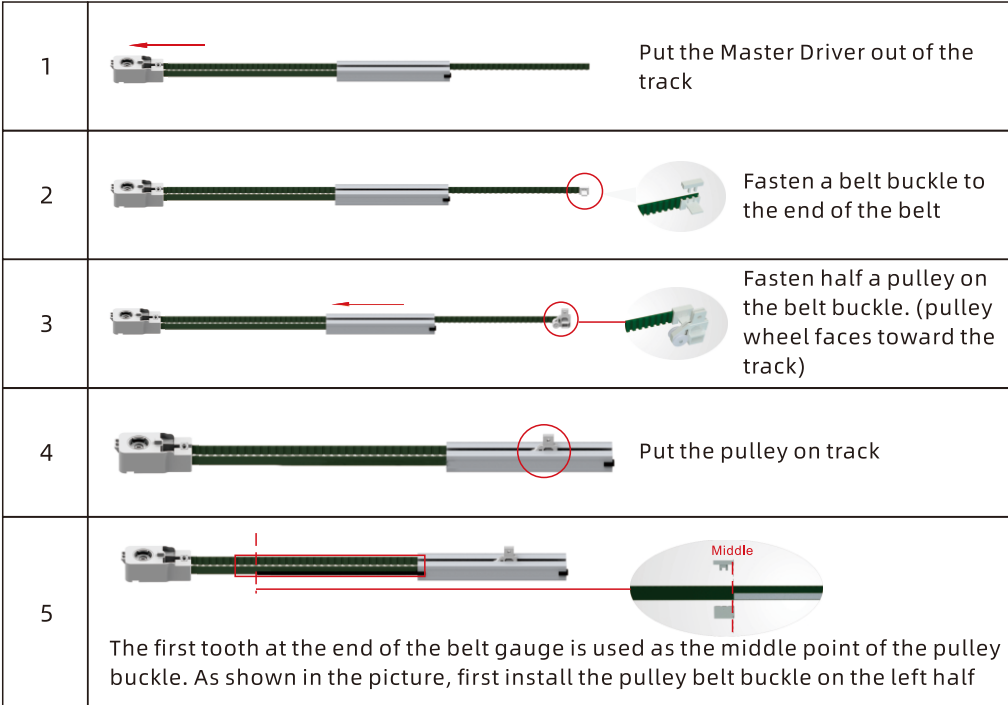
Turn over the track, lock the track with the connector with screws

Screws should not be too tight to avoid deforming the track

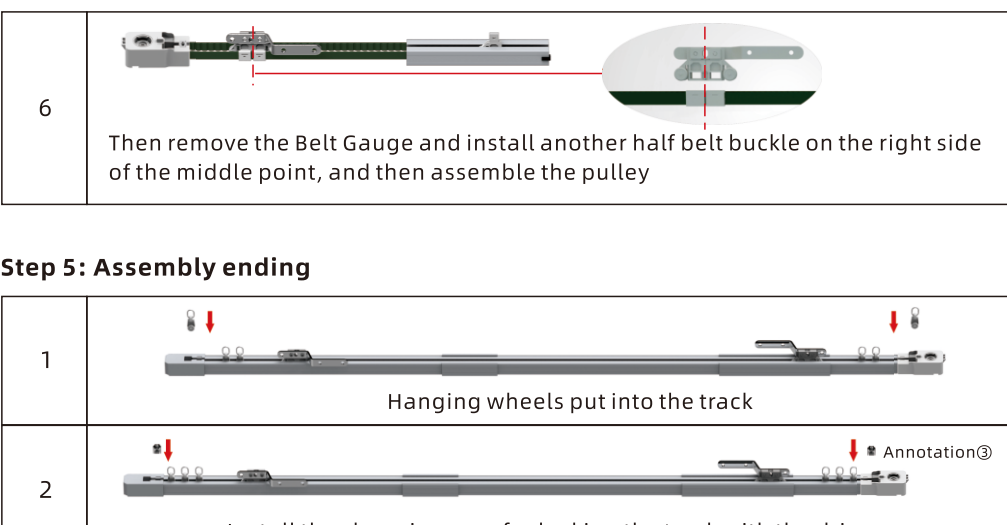
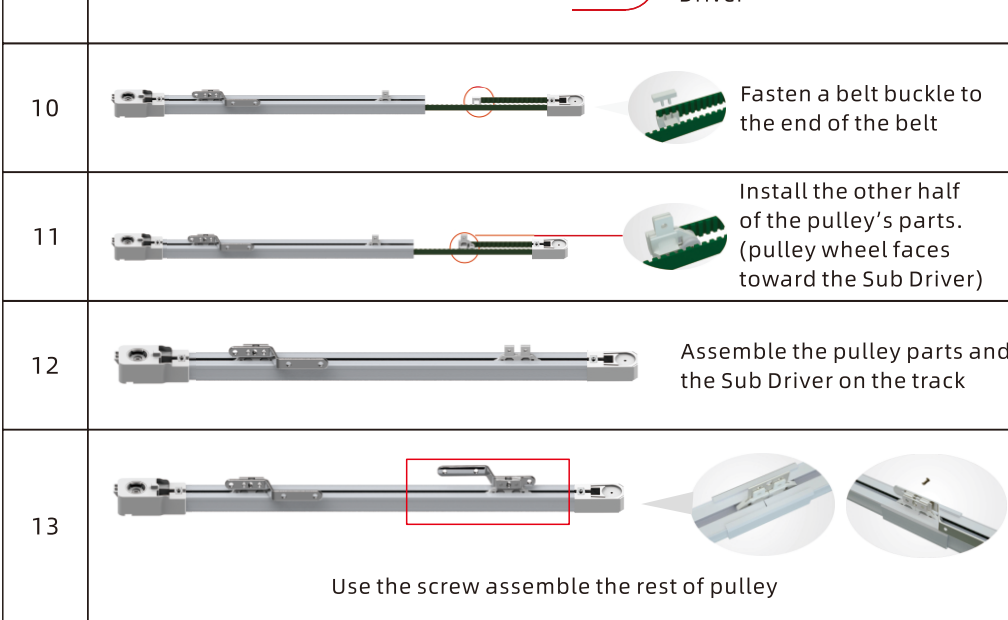
Step 2: Cut the belt



Step 3: Assembly pulley 1



Step 4: Assembly pulley 2

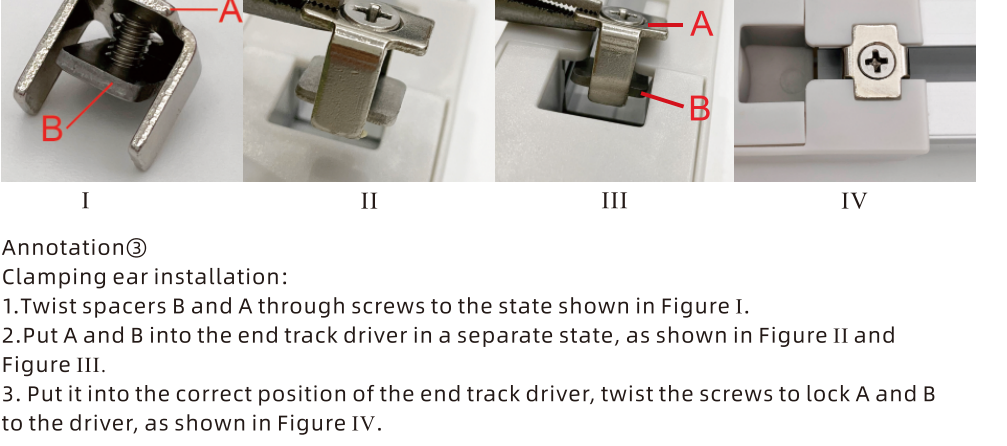


Step 5: Assembly ending

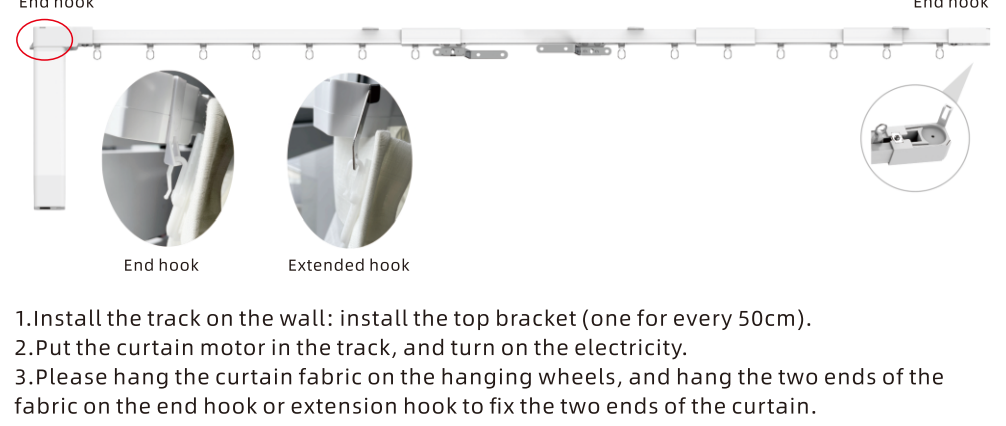
1. Hanging wheels put into the track

2. Install the clamping ears for locking the track with the driver

3. Curtain track assembly completed, pull the pulley back and forth to check the slippage performance



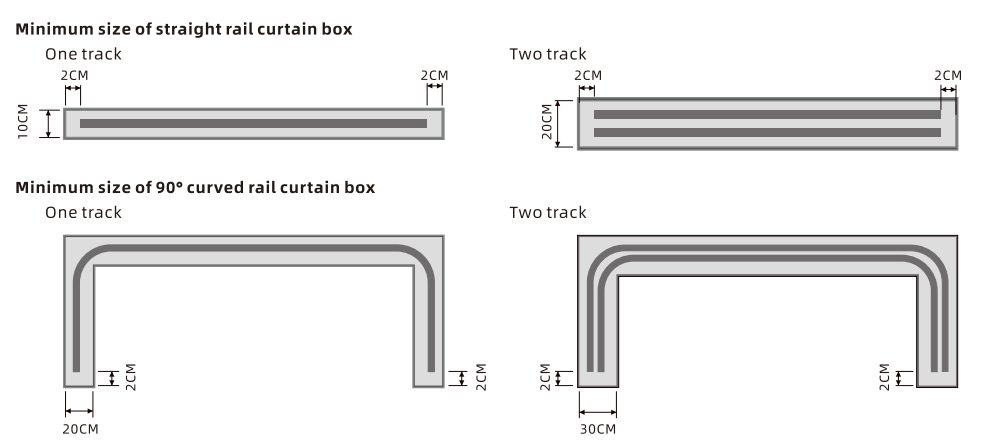
Step 6: Install the motor



Load meter

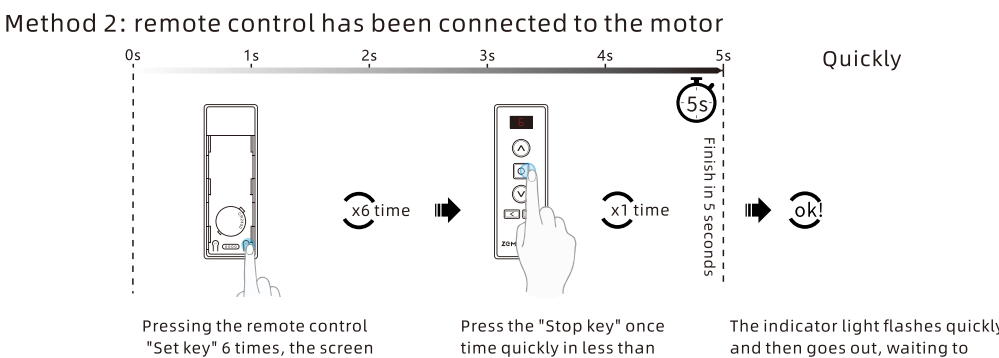
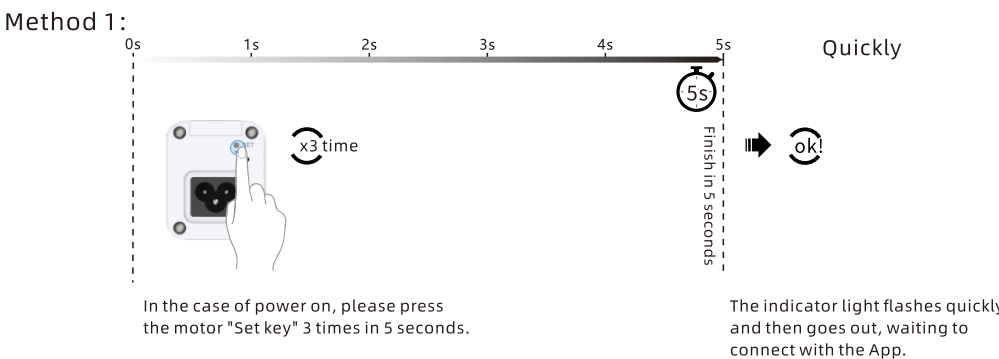
ZM 79 Track	4M	6M	8M	12M
One track	80kg	60kg	40kg	30kg
Two track	40kg	20kg		
One track	30kg			
Two track	40kg	30kg		

Installation environment requirements

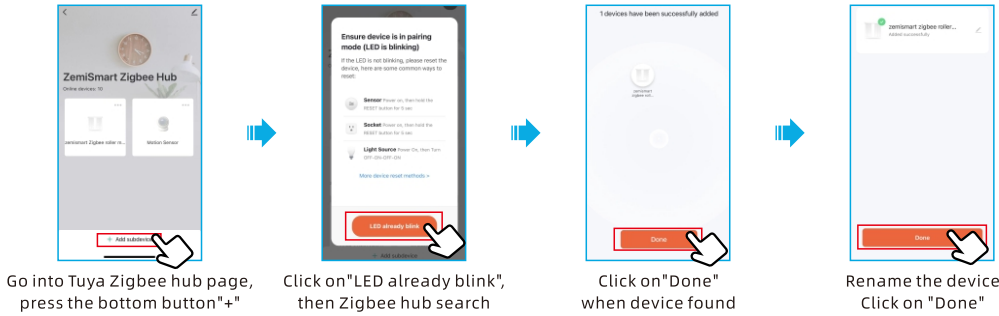


Motor pair to Tuya APP

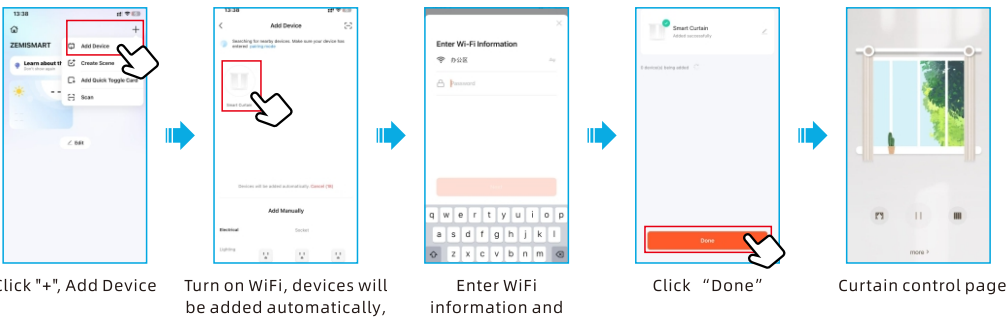
1. Entering pairing mode.



2. Zigbee Version (Tuya zigbee hub required)

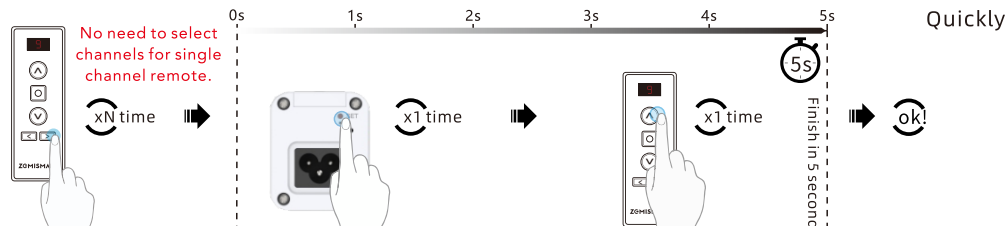


3. WiFi Version

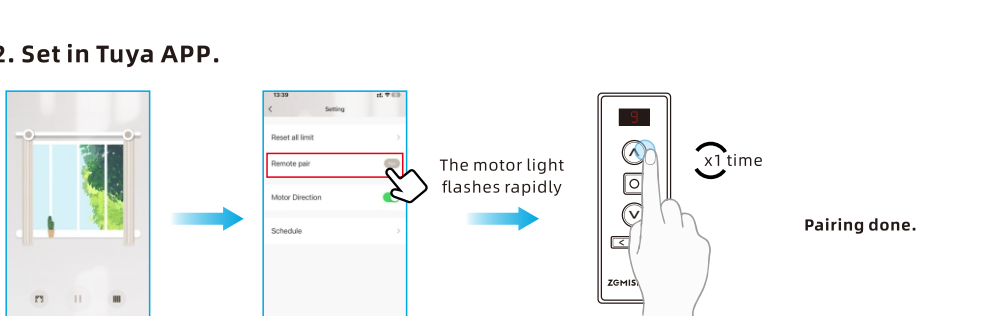


Motor Pair to Remote Control

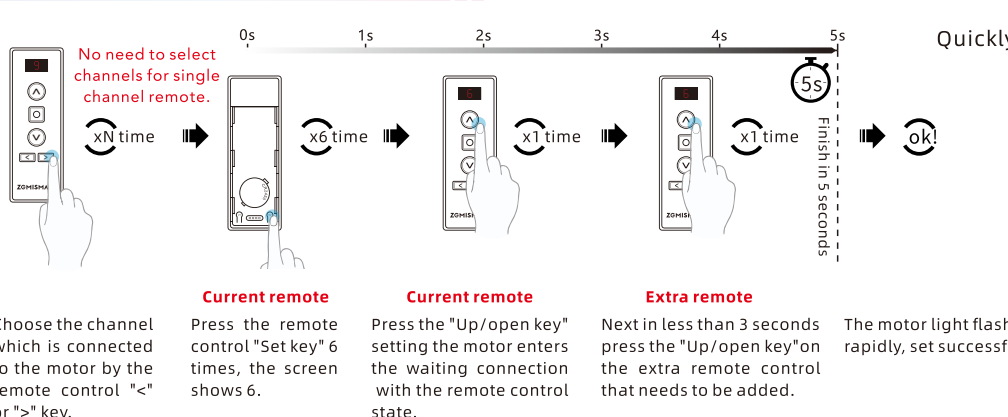
1. Set by remote. These operations only work for the remote control within the effective control distance, and the motor is in the power-on state, otherwise it doesn't work.



2. Set in Tuya APP.

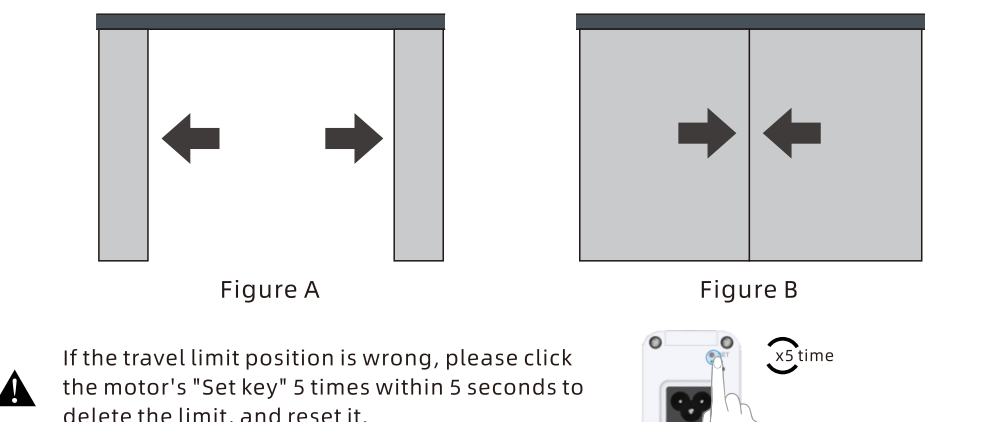


To add extra or multiple remote

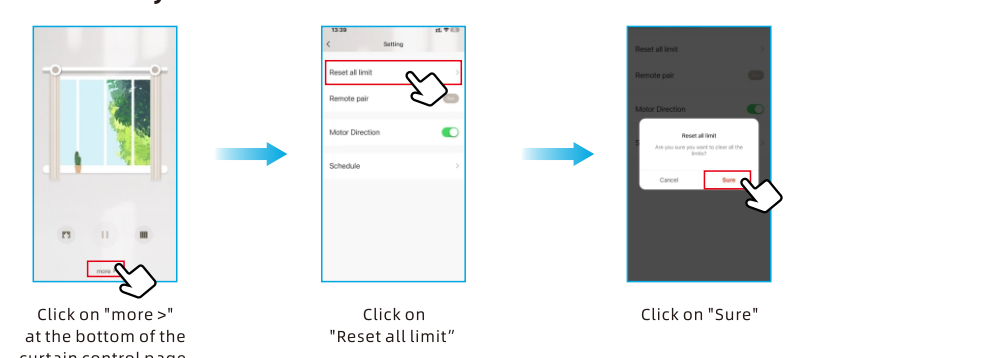
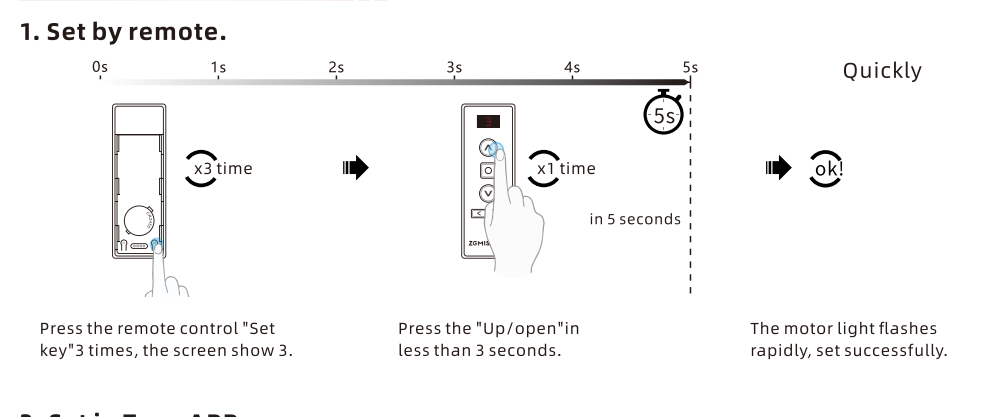


Set the Limit

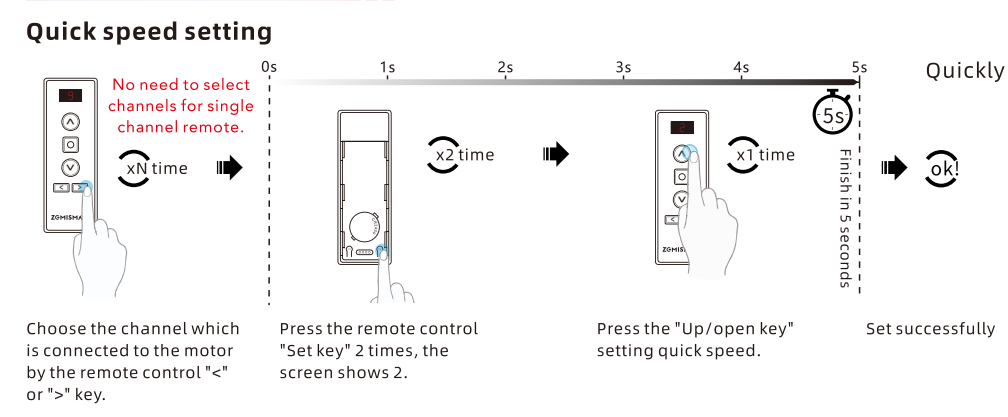
1. Control the curtain to open, it will automatically stop when it goes to the fully open state, and the automatic setting of the open limit is completed. (Figure A)
2. Control the curtain to close, it will automatically stop when it goes to the fully closed state, and the automatic setting of the close limit is completed. (Figure B)



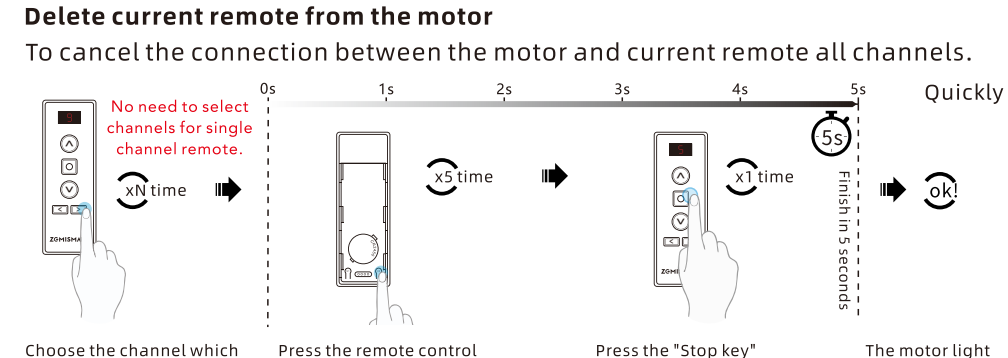
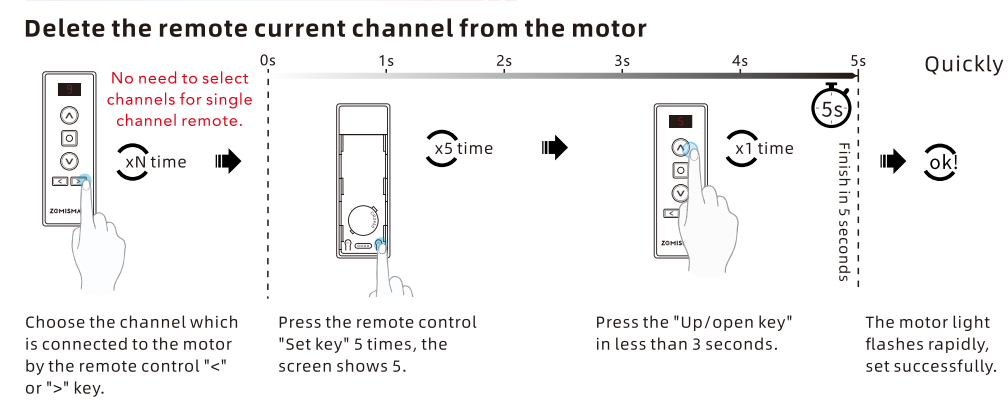
Delete limit



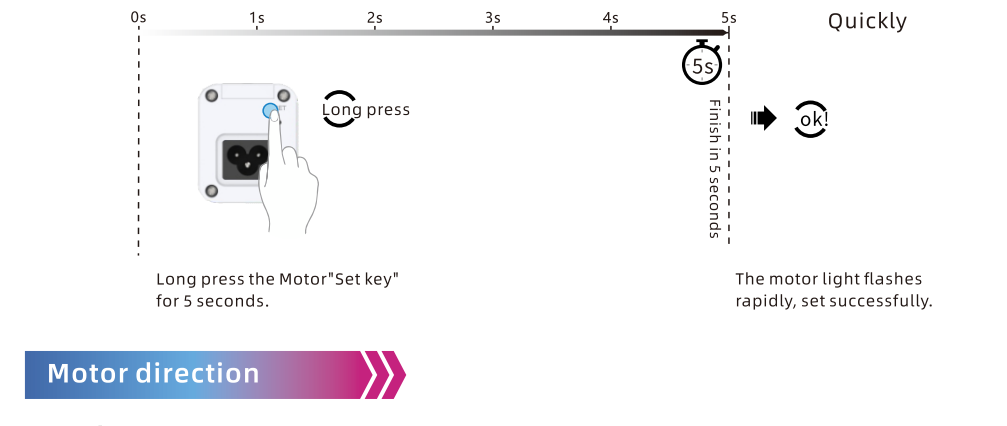
Speed setting



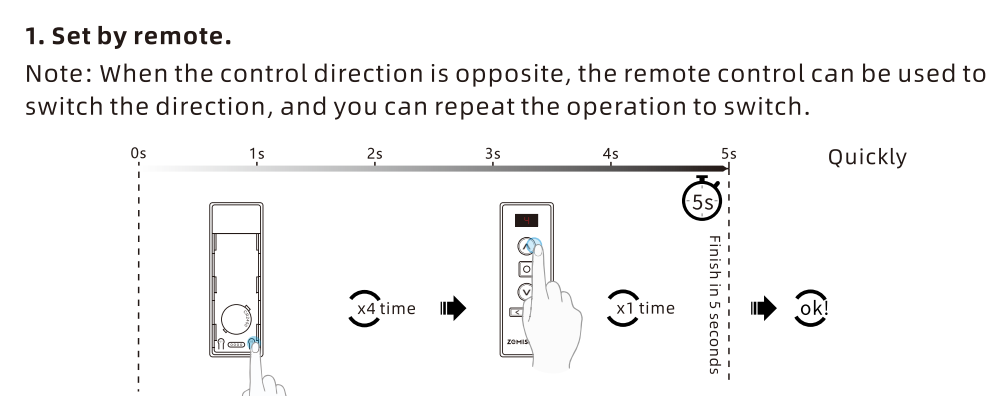
Delete the remote control



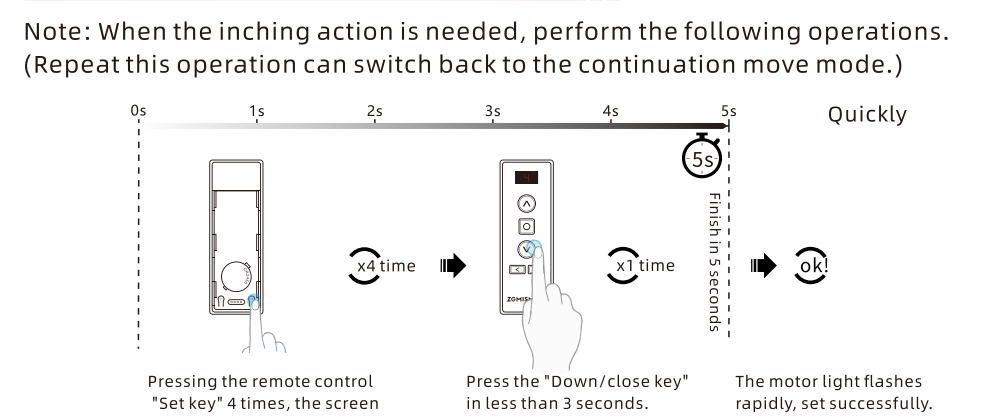
2. Set by motor.



Motor direction



Inching or continuation move action



Lock or open the remote channel

