Near Smart Curtain User Manual

Curtain Motor · Master Driver · Track · Hanging Wheels · Connector · Pulley · Belt · Installation Bracket · Sub Driver
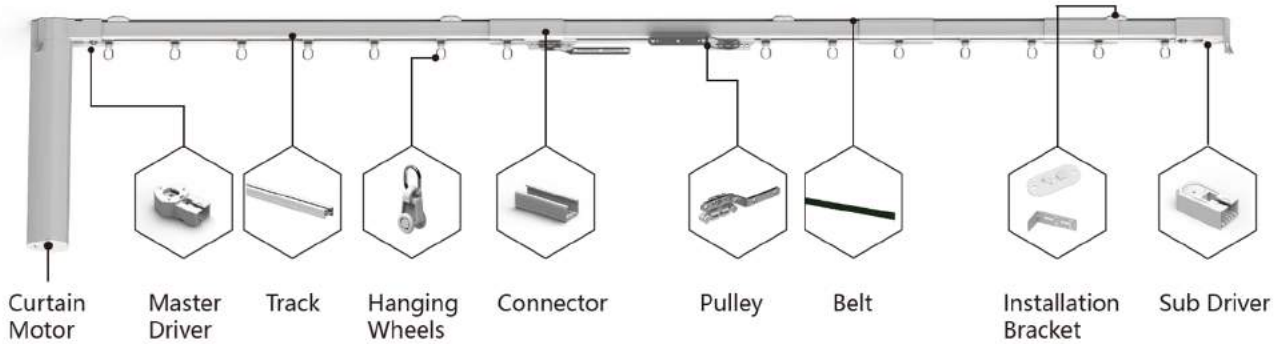
🔊 Silent Motor		⚡ Wide Voltage Power Supply
🔌 Automated Limit Setting		🏠 Make Your Home Smarter
Manual Power Off Function		📍 Set Up to 3 Curtain Positions
📶 Wireless Remote Control & Receiver		⚙ Fabric Rebound Journey Correction
Resistance and Stop Function		Variety of Control Methods
Manually Pull to Start		🛡 Durable & Sturdy
Resistance Pulling Function		⚙ Adjustable Speed

Model: NZC_V279E

Button Manual

- MODI
- Pilot lamp
- RJ11 interface
- Motor set key

- Screen
- Up/open key
- Stop key
- Down/close key
- Channel –
- Channel +
- Set key
- Battery cover
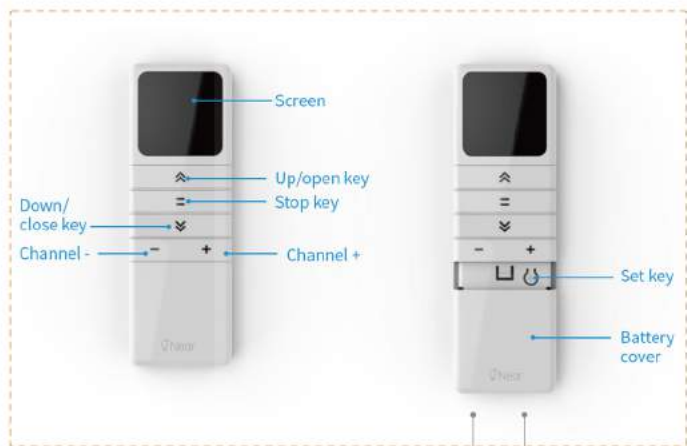
LED Charge lamp   USB Charger

Charged state: ● Red long bright
Full state: ● Blue long bright

What's in the box.

No.	Product	Product Image	Quantity	No.	Product	Product Image	Quantity
1.	Curtain Motor		1x	8.	Runner		8x per metre
2.	Master Gear Box		1x	9.	Ceiling Bracket		2x per metre
3.	Sub Gear Box		1x	10.	Side Bracket		2x per metre
4.	Track		100mm, 200mm, 500mm, 1000mm	11.	Track Connector		100mm, 200mm
5.	Belt		1 Coil	12.	End Hook		Bidirectional: 2x One Direction: 1x
6.	Pulley		Bidirectional: 2x One Direction: 1x	13.	Remote Control		1x
7.	Extension Hook	①	Bidirectional: 2x One Direction: 1x	14.	Belt Gauge	②	1x

①

Extension Hook   Use Case

Description

If ordered track length is slightly shorter than desired, use the extension hook to Install the hooks on the master & sub gear boxes to extend track length.

②

Belt Gauge   Lock Head

Description

Belt Gauge: Used to measure the belt during assembly to confirm the length for trimming. Lock Head: Used to secure the belt with the belt gauge for accurate belt trimming. Please refer to the assembly instructions below for belt trimming from steps 3 to 6.

Track built-in quantity

1m   1m   0.5m   0.2m
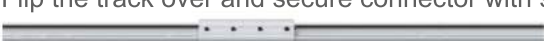
NO.	Size	Track QTY 1000mm	Track connector QTY 100mm	Length adjusting track (mm)					Applied in
				Track QTY			Track connector QTY		
				500mm	200mm	100mm	200mm	100mm	
1	2.2m	1	1	1	2	1	1	1	Under 2.16m
2	3.2m	2	2	1	2	1	1	1	2.16m~3.16m
3	4.2m	3	3	1	2	1	1	1	3.16m~4.16m
4	5.2m	4	4	1	2	1	1	1	4.16m~5.16m
5	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
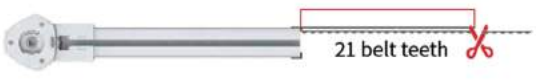
1. Track comes in lengths of 1000mm, 500mm, 200mm and 100mm
2. Track connector comes in lengths of 100mm or 200m.
3. To achieve desired length, join tracks of different lengths with the use of connectors.

Curtain Track Assembly

Step 1: Joining the Tracks

How to use the 100mm connector	How to use the 200mm connector
Slide the 100mm connector over the track.	Slide the 200mm connector over the track.
Place the track in the middle of the connector.	Place the track in the middle of the connector.
Insert the second half of the track.	Insert the second half of the track.
Align both tracks to sit in the middle of the connector.	Align both tracks to sit in the middle of the connector.
Flip the track over and secure connector with screws.	Flip the track over and secure connector with screws.
Do not exert too much force while installing screws to prevent deforming the track.	Do not exert too much force while installing screws to prevent deforming the track.

Step 2: Belt Trimming

1		Insert the belt through the groove in the track.
2		Insert the belt into the master gear and back into the opposite side of the track.
3		Clip the end of the belt with the gauge buckle.
4		Fasten the gauge buckle to the side of the track.
5		Install the belt gauge on the other side of the track.
6	21 belt teeth	Cut the belt at the end of the gauge to achieve optimal belt length.

Curtain Track Assembly

Step 3: 1st Pulley Installation

1		Separate the master gear box from the track.
2		Fasten the belt buckle to the end of the belt.
3		Fasten half a pulley on the belt buckle with the pulley wheel facing the track.
4		Insert the pulley into the track.
5		Install belt gauge on the side of the track adjacent to the master gear box.
6		Insert the pulley on the first belt tooth immediately after the end of the gauge.

Step 4: 2nd Pulley Installation

7		Remove the belt gauge.
8		Remove gauge buckle and join both the pulley and the master gear box to the track.
9		Insert the belt and bring it through the sub gear box.
10		Fasten a belt buckle at the end of the belt.
11		Install the other half of the pulley with the wheels facing the sub gear box.
12		Join the pulley and the sub gear box in the track.
13		Use the screws to secure the rest of the pulley in place.

Curtain Track Assembly

Step 5: Final steps to complete track assembling

1		Insert the runners into the track.
2		Install the clamp to secure the track to the gear boxes.
3		Curtain track assembly completed. Try sliding the pulley to make sure they move smoothly.

Step 6: Curtain Motor Installation

Step 1: Mount the completed track with one ceiling bracket at 50cm intervals.

Step 2: Install the smart curtain motor into the gear box and turn the electricity on.

Step 3: Connec the smart motor to the Near remote control by following the steps below.
a) Choose one of the channels to conect to the motor using the "+" or "-" button.
b) Once the motor is powered up, press on the motor's "Set key" one time. When the LED indicator lights up, press the "Up" button within 5 seconds. When the LED indicator stops flashing, the connection is successful.

Open the cap

Motor set key

Setting up the Remote Control

Connecting the remote control to the smart motor

⚠ Choose one of the channels to connect with the motor using the "+ / -" button.
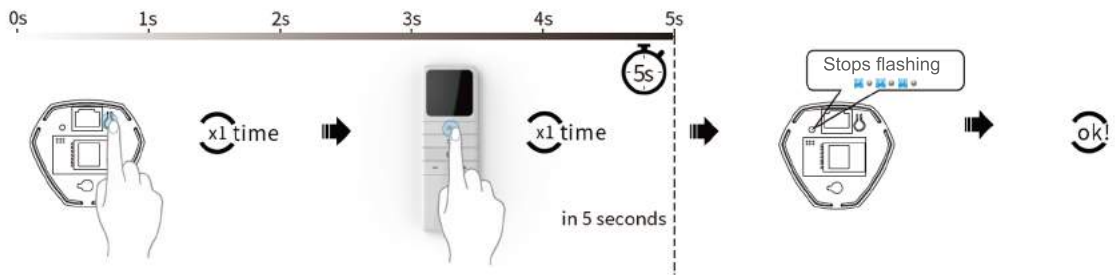
Once the smart motor is powered up, Press on the "Set key" button once.

Once the LED indicator lights up, press the "Up / Open" button within 5s.

Once the LED indicator stops blinking, you're set!

Automatic travel distance setting

⚠ During the smart motor's initial run, it will detect the actual length of the track to set the travel distance automatically via the resistance applied at the end of the track. To reset the travel distance, delete the travel settings.

Resetting travel distance to factory mode.

⚠ Press on the "Set key" 5 times consecutively within 5 seconds. Once the LED indicator begins flashing rapidly, the motor's travel distance setting has been deleted.

Press the motor's "Set key" 5 times.

The motor pilot lamp light become quick flashing.

Set successfully
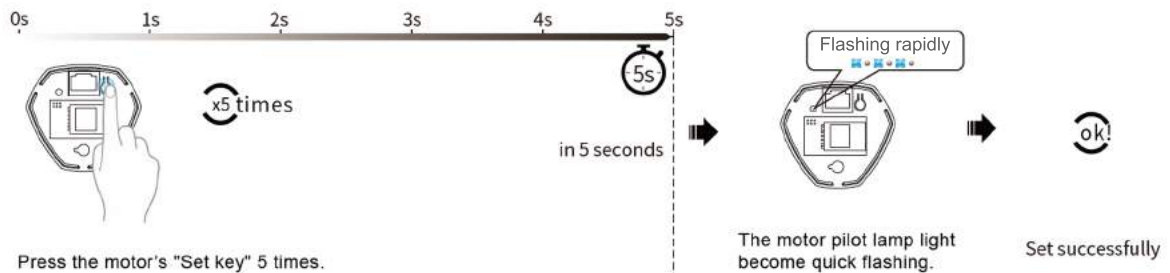
Disconnecting the remote control.

⚠ Long press on the "Set key" until the LED indicator flashes slowly and the remote control is disconnected.
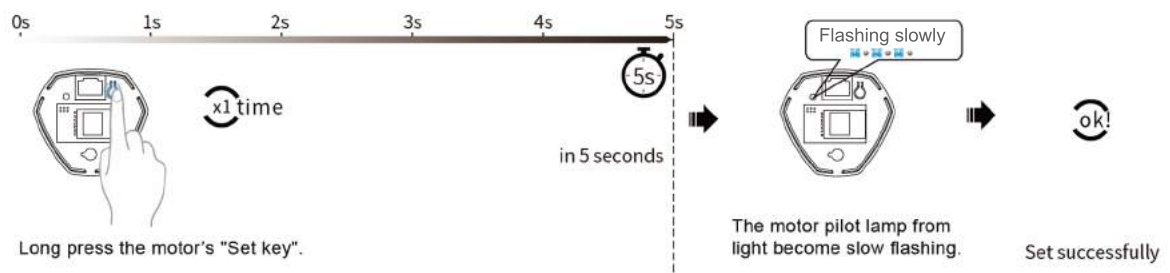
Long press the motor's "Set key".

The motor pilot lamp from light become slow flashing.

Set successfully

Select the channel which is connected to the motor using the "+/-" button.
Press on the remote control's "Set key" to program it.

Setting a 3rd curtain position.

⚠ Start the curtain motor and stop at the desired position.

Press the remote control "Set key" once, the screen show 1.

Press the "Stop key" , setting the third position limit.

Set successfully

Setting up the Remote Control

Speed Setting

Quick Speed Setting

Press the remote control "Set key" 2 times, the screen show 2.

Press the "Up/open key", setting quick speed.

Set successfully

Medium Speed Setting

Press the remote control "Set key" 2 times, the screen show 2.

Press the "Stop key", setting middle speed.

Set successfully

Slow Speed Setting
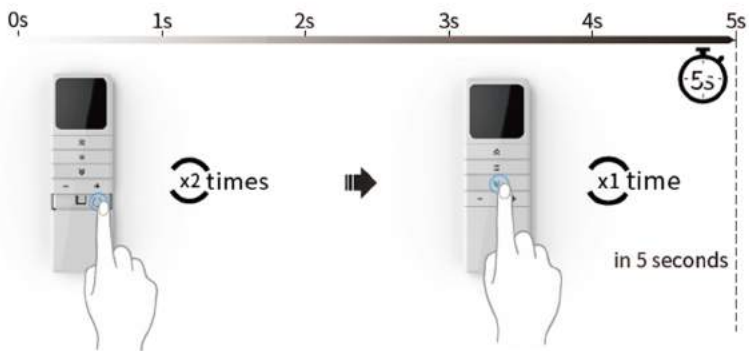
Press the remote control "Set key" 2 times, the screen show 2.

Press the "Down / close key", setting slow speed.

Set successfully

Deleting Settings
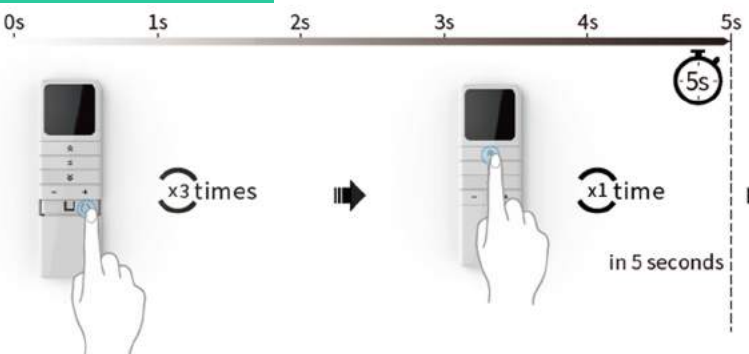
Press the remote control "Set key" 3 times, the screen show 3.

Press the "Up / open key", delete the limit.

Set successfully

Setting up the Remote Control

Deleting the 3rd curtain position.

| 0s | 1s | 2s | 3s | 4s | 5s |

x3 times ➡ x1 time ➡ ok!

in 5 seconds

Press the remote control "Set key" 3 times, the screen show 3.

Press the "Stop key", delete the third position limit.

Set successfully

Changing the remote control's directions

| 0s | 1s | 2s | 3s | 4s | 5s |

x4 times ➡ x1 time ➡ ok!

in 5 seconds

Press the remote control "Set key" 4 times, the screen show 4.

Press the "Up / open key", change the control direction. (Repeat this operation for "Up / open" to "Down / close", or "Down / close" to "Up / open")

Set successfully

Locking or Unlocking a Channel on the remote.

| 0s | 1s | 2s | 3s | 4s | 5s |

x4 times ➡ x1 time ➡ ok!

in 5 seconds

Press the remote control "Set key" 4 times, the screen show 4.

Press the "Stop key", setting the remote control lock or open the channel. (Lock the channel: Do this operation when you have chosen the channel which you want to lock. Open the channel: Do this operation whatever any channel. Repeat this operation for lock or open the channel.)
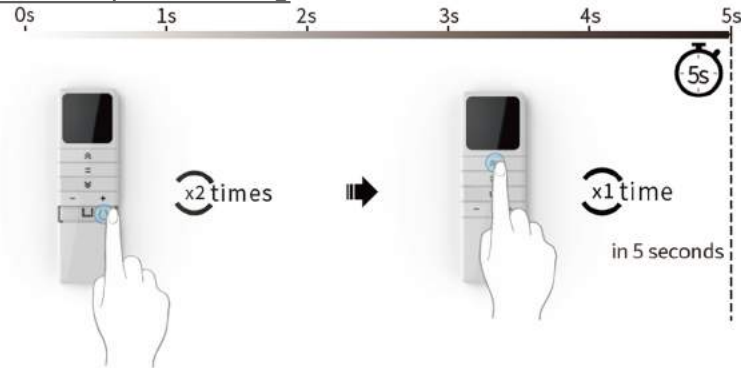
Set successfully

Setting up the Remote Control

Select the channel which is connected to the motor using the "+/-" button.
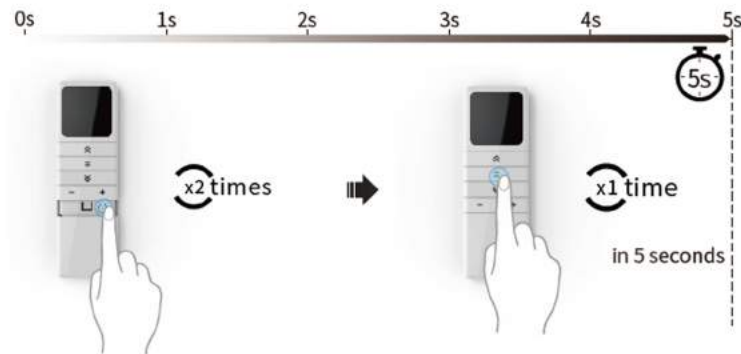Press on the remote control's "Set key" to program it.

Deleting the remote control from the motor.

Motor and current channel

Press the remote control "Set key" 5 times, the screen show 5.

Press the "Up / open key", unbind the connection between the motor and the current channel.

in 5 seconds

Set successfully
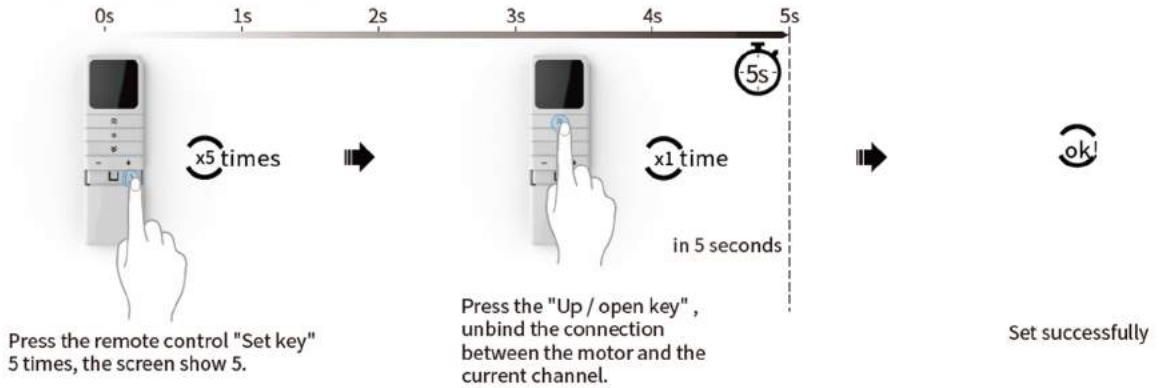
Motor and current remote control

Press the remote control "Set key" 5 times, the screen show 5.

Press the "Stop key", unbind the connection between the motor and the current remote control.
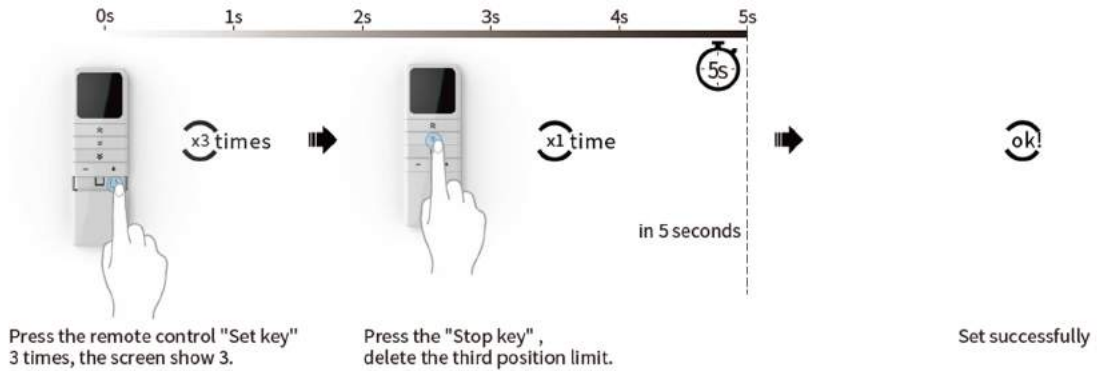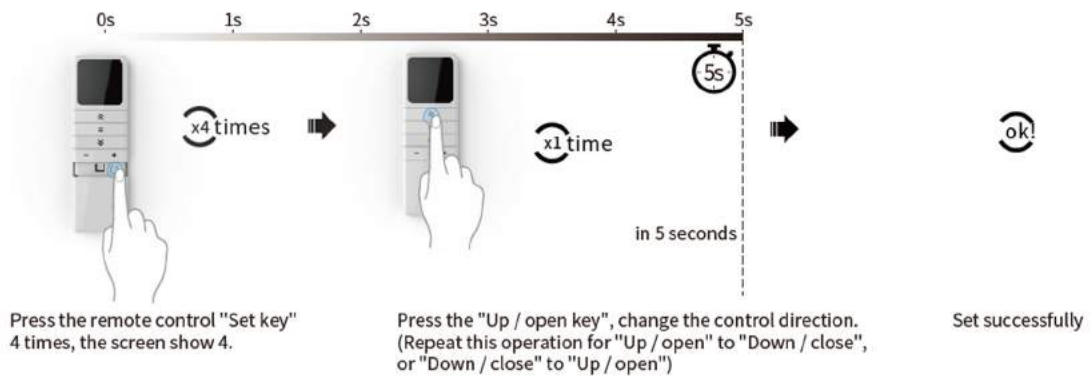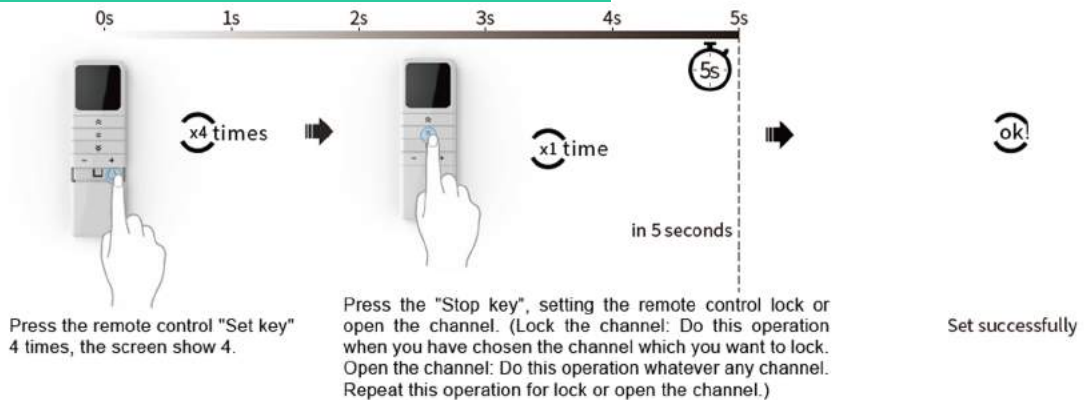
in 5 seconds

Set successfully
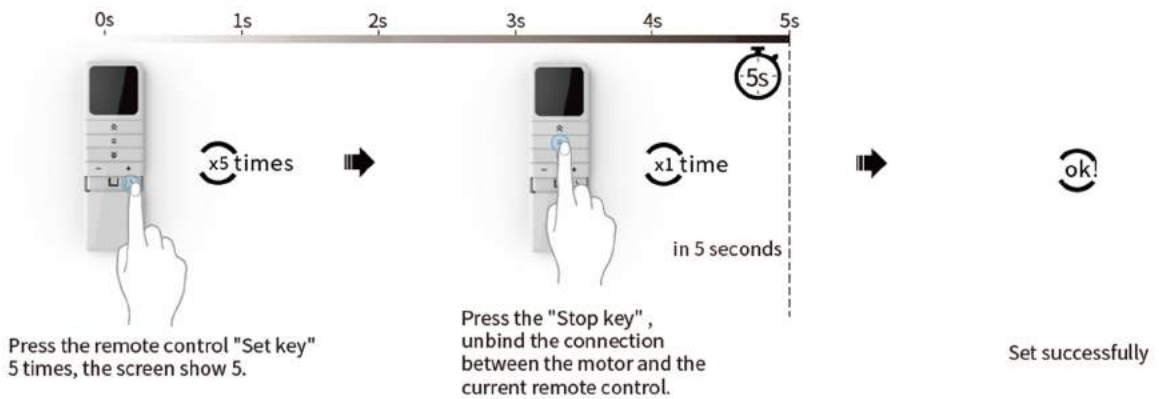
Motor and all remote control

Press the remote control "Set key" 5 times, the screen show 5.

Press the "Down / close key", unbind the connection between the motor and all the remote control.

in 5 seconds

Set successfully
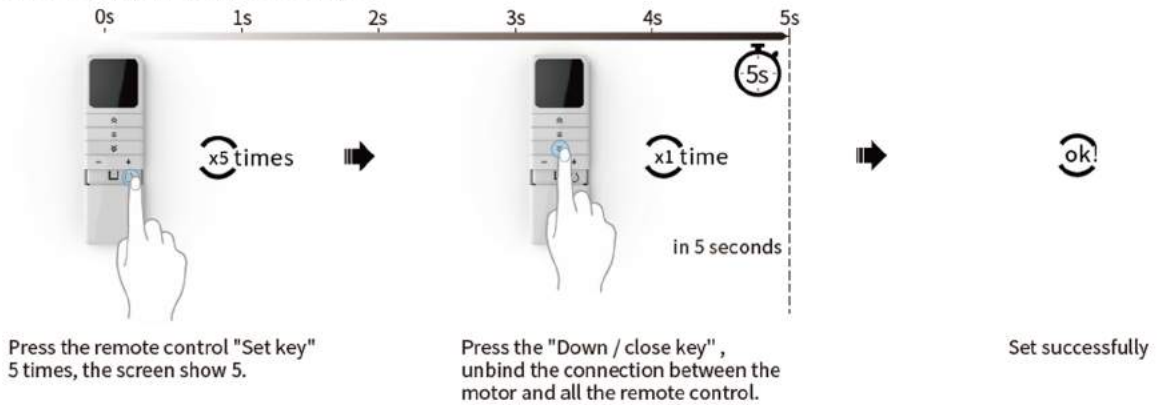
Pairing with more remotes.

Current remote control
Press the remote control "Set key" 6 times, the screen show 6.

Current remote control
Press the "Up / open key", setting the motor enters the waiting connection with the remote control state.

Extra remote
Next in less 5 seconds press the "up" key on the extra remote control that needs to be added.

in 5 seconds

Set successfully
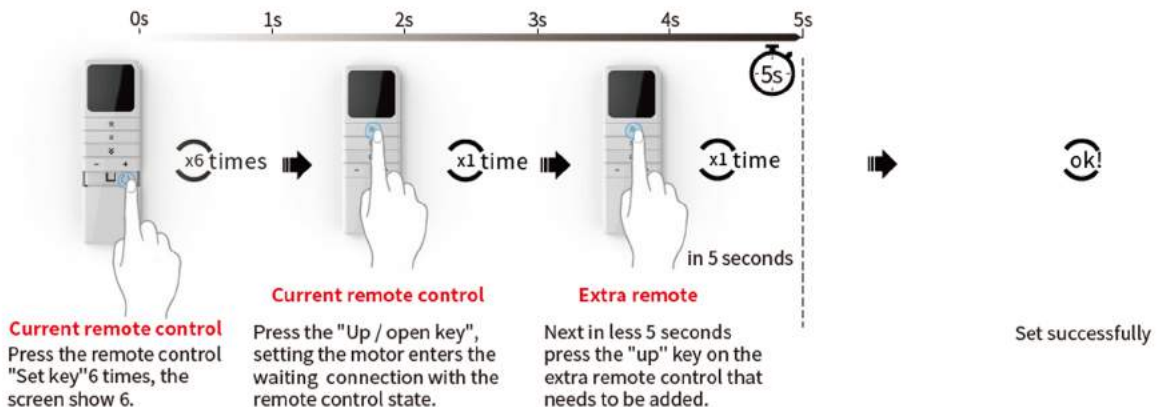
Pairing with the Near App

Scan the QR Code below, or search for the Near App in the App Store or Google Play to download the Near App.

1 Configuring the Motor to Pairing Mode.

Option 1) Press the "Set key" button on the smart motor 3 times consecutively within 5 seconds and the LED indicator on the smart motor should start flashing rapidly. Once it is flashing rapidly, it is ready for pairing.

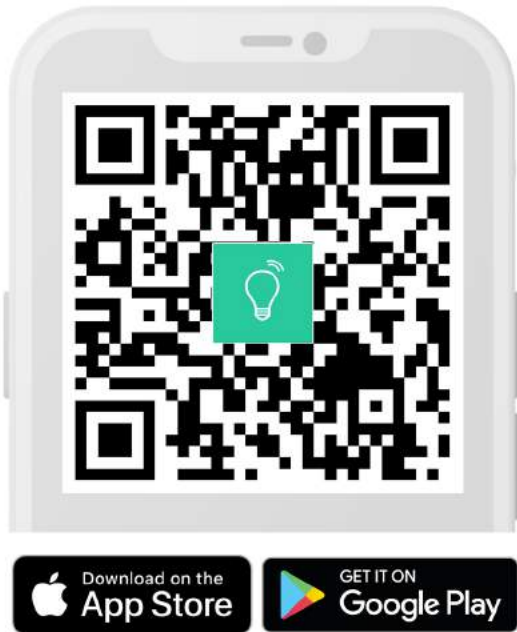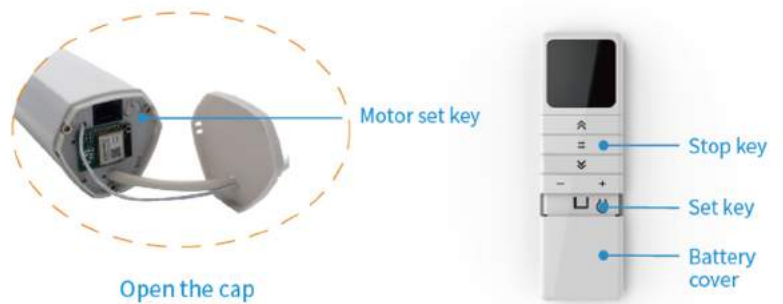Option 2) Press the "Set key" button on the remote control for 6 times consecutively and press the "Stop" button within 5 seconds thereafter. The LED indicator on the smart motor should start flashing rapidly. Once it is flashing rapidly, it is ready for pairing.

Motor set key

Stop key

Set key

Battery cover

Open the cap
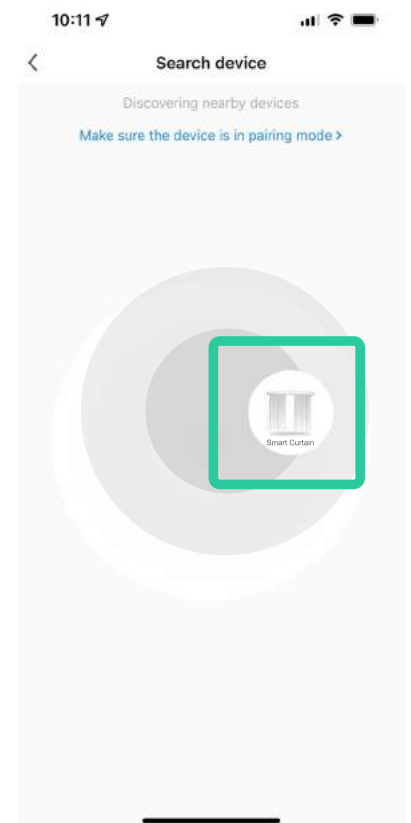
If the configuration fails, reconnect once time.

2 Pairing with the Near App

1) Ensure that you already have a Near Zigbee Gateway set up.

2) Enter the Gateway, Select "Add subdevice".

3) Select "LED already blink"

4) Auto-scanning will detect and pair with the smart curtain automatically and you're all set!
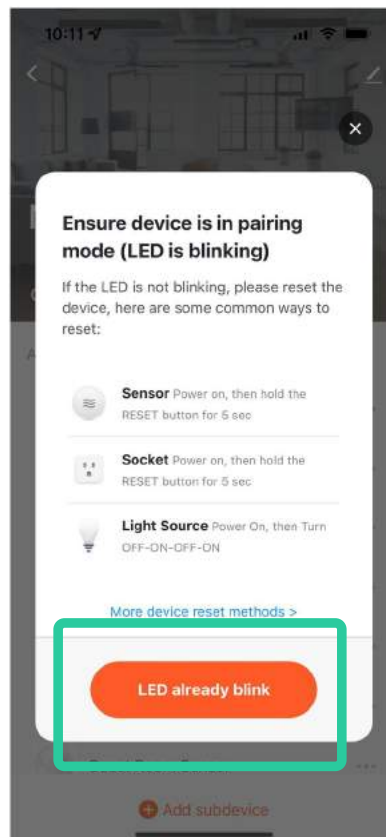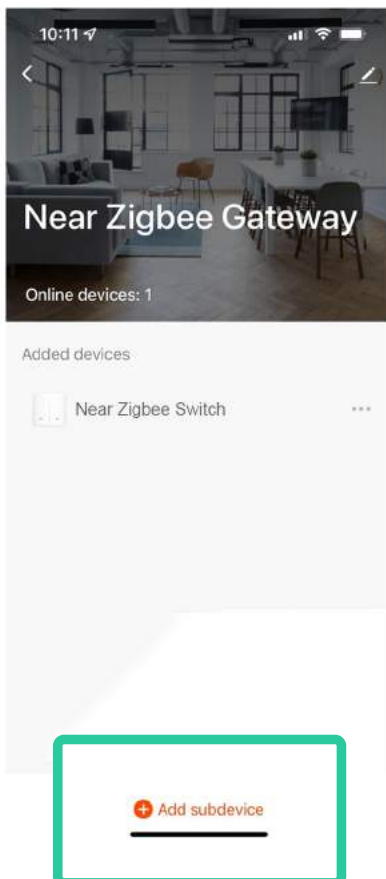
Load Bearing Chart

Near Smart Curtain Motor	3.2M	4.2M	5.2	6.2M
	80kg	60kg	40kg	30kg
	40kg	20kg		
	30kg			
	40kg	30kg		

Installation requirements

Minimum size of straight rail curtain box

One track

Two tracks

Minimum size of 90°curved rail curtain box

One track

Two tracks

Operation Manual

- Press the "Up / Open" button to open the curtains.

- Press the "Down / Close" button to close the curtains.

- Press the "Stop" button to pause the curtain's movement.

- Long Press the "Stop" button for 3s for the curtain to arrive at its preset 3rd position.

- Gently pull the curtain towards either direction and they will open/close fully automatically.

Technical Specifications

Model	Torsion	RPM	Rated Voltage	Rated Frequency
NZC_V279E	1.2 N.m	100RPM	100 - 240VAC	50/60HZ
Max Current	**Max Power**	**Running Speed**	**Receive Frequency**	**Receive Sensitivity**
0.4A	88W	0.15m/s	433.92Mhz	-110dBM

Switch Connection Mode
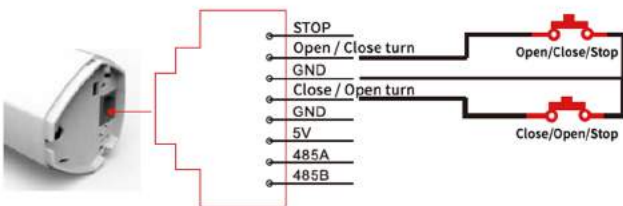
Operation Manual

1. If press "Open/Close/Stop Switch", the curtain Open/Close turn.
If press "Open/Close/Stop Switch" again, the curtain stop.
2. If press "Close/Open/Stop Switch", the curtain Close/Open turn.
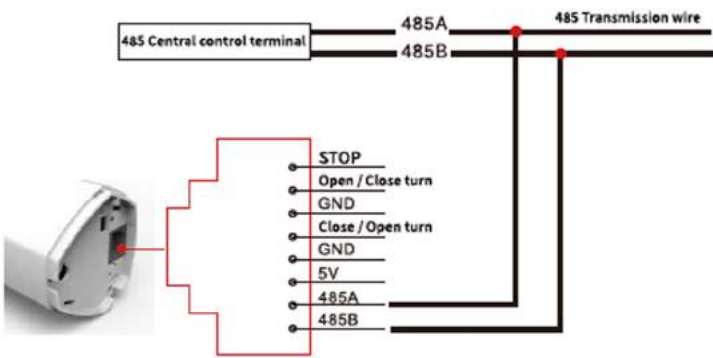If press "Close/Open/Stop Switch" again, the curtain stop.
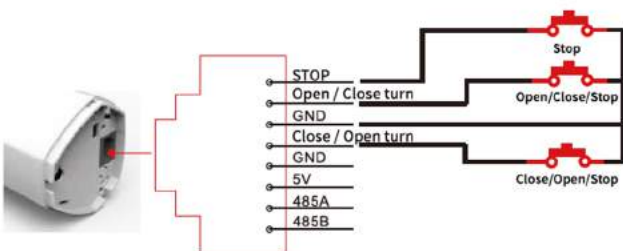
Operation Manual

1. If press "Open/Close/Stop Switch", the curtain Open/Close turn.
If press "Open/Close/Stop Switch" again, the curtain stop.
2. If press "Close/Open/Stop Switch", the curtain Close/Open turn.
If press "Close/Open/Stop Switch" again, the curtain stop.
3. If press 'Stop', then the motor stop.

RS485 Connection Mode

485 Central control terminal

485A — 485 Transmission wire
485B

STOP
Open / Close turn
GND
Close / Open turn
GND
5V
485A
485B

Notice

1. Motors can automatically identify switch and RS485.
2. The level switch and the RS485 cannot connect the motor at the same time

Power supply

motor

230V/60HZ Power input

Live wire
Earth wire
Neutral wire
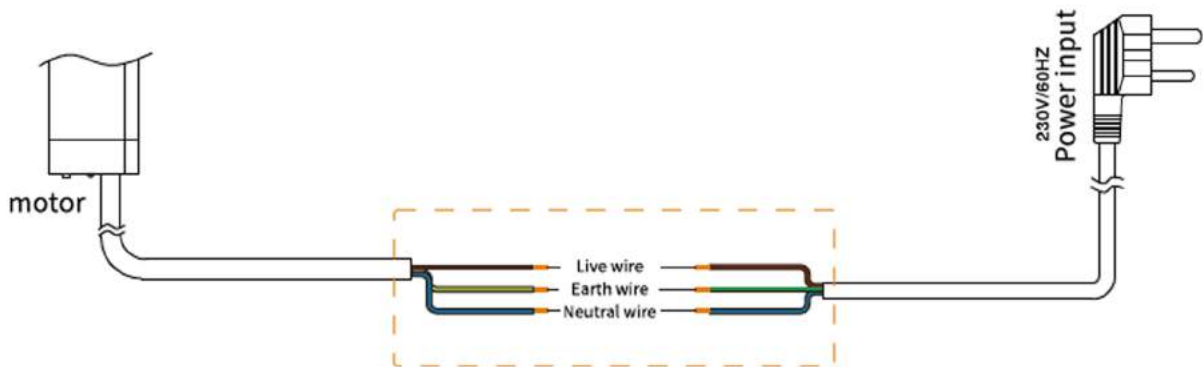
1. Do not use the smart curtain system outdoors.

2. Handle with care, avoid dropping the smart curtain tracks and motor.

3. Do not apply dangerous chemicals such as thinners and benzene on the smart curtain system.

4. Install the smart curtain motor with its corresponding gearbox. It should fit nicely.

5. Please follow the wiring diagram to install the smart curtain motor correctly.

6. Avoid installing the smart curtain system in a wet environment.