Smart Curtain Motor Kit

Product manual

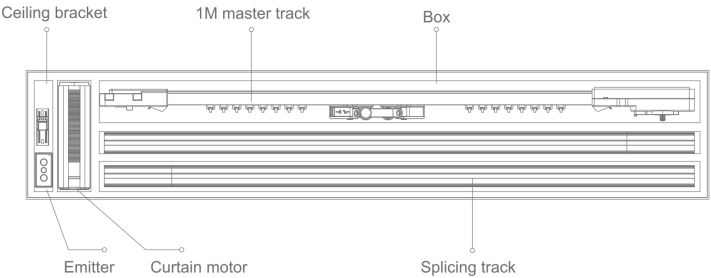Please refer to this manual before using the product

01/Product instruciton

This is a kind of fast splicing motorized curtain kit, which includes curtain motor, fast splicing track, emitter and all necessary accessories for DIY assembly. Customers can freely splice the track length according to the installation size. The input power supply of curtain motor is AC100-240V or DC5V1A , curtain motor can realize local control, remote control, timing, voice speaker control and other intelligent platform control. The smart control solutions inlude: wifi, zigbee, Bluetooth, 485Bus protocol control, KNX,etc.(Get more details in different versions for specific functions and protocols)
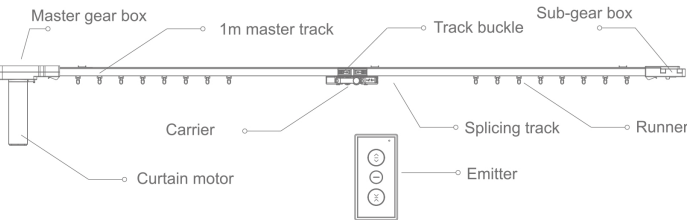
Specification list:2mts kit, 3mts kit,4mts kit,5mts kit,6mts kit,7mts kit

	Specifications					
	MAGE10B-2M	MAGE10B-3M	MAGE10B-4M	MAGE10B-5M	MAGE10B-6M	MAGE10B-7M
Suitable length	≤2.1M	≤3.1M	≤4.1M	≤5.1M	≤6.1M	≤7.1M
Box size	1152 * 220 * 70mm				1152 * 280 * 70mm	

kit

Ceiling bracket
1M master track
Box
Emitter
Curtain motor
Splicing track

Motorized curtain system

Master gear box
1m master track
Track buckle
Sub-gear box
Carrier
Splicing track
Runner
Curtain motor
Emitter

SET Motor power switch

Power Charge NET
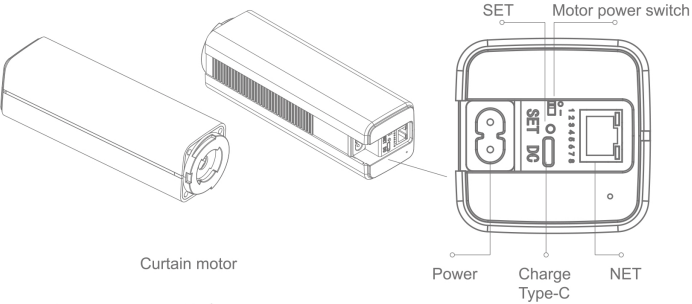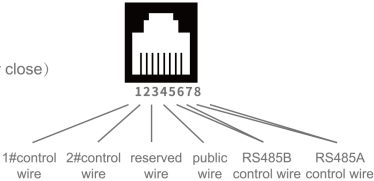Type-C

Curtain motor

• Motor power switch

Before installing or connecting the motor to the power supply, please turn on the motor power switch on the bottom, turn it to the "-" (factory default position is "o"), then use it as normal. This is the power protection switch，if your motor is not in use for a long time, we suggest that you turn it off.

• RJ45 port connection

1 # and 2 # are control wires
（control the motor running direction-open or close）
3# is reserved wire；
4# is the public wire；
5 #and 6#are RS485 B bus control wires；
7# and 8# are RS485 A bus control wires.

12345678

1#control 2#control reserved public RS485B RS485A
wire wire wire wire control wire control wire

• Double key reset switch

When 1# and 4# public wire are contacted briefly（Press briefly then release），motor opens, and the motor closes when they touched again；when 2# and 4# public wire are contacted briefly,curtain motor closes, and the motor closes when they touched again.
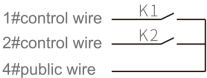
1#control wire — K1
2#control wire — K2
4#public wire

The switch is open when the motor is stop
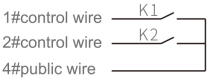
When K1 is closed, open K2 , motor opens (or close) the curtain
When K1 is opened, open K2,the motor stops running
When K1 is opened, close K2, motor closes (or open) the curtain
When K1 is opened, open K2,the motor stops running

• Double key interlock switch

Two control wires（control running direction），one public wire.
1# control and 4# public wire keep in connect(Keep pressing without releasing), the curtain is opened, when disconnected(release it), the curtain motor stops running; 2 # control wire and 4 # public wire keep in connect, the curtain is closed，when disconnect ,the curtain motor stops running.

1#control wire — K1
2#control wire — K2
4#public wire

The switch is open when the motor is stop

When K1 is closed, open K2, the curtains open (or close)
When K1 is opened,open K2 , the motor keeps running.
When K1 is closed again, open K2 , the motor stops running. When K1 is opened,open K2 , the motor stops running.
When K1 is opened,close K2, . the curtains close (or open)
When K1 is opened,open K2 , the motor keeps running.
When K1 is opened again, close K2 , the motor stops running.
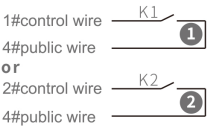When K1 is opened,open K2 , the motor stops running.

• One key cycle switch

Two control (direction) wires, 1 # and 2 #, public wire 4 #.
Any control wire 1 # or 2 # are briefly connected to 4 # wire for the first time,the motor runs in the opening(closing)direction;
when they are briefly connected to 4 # wire for the second time,the motor stops running; when they are briefly connected to 4 # wire for the third time,the motor runs in the closing(opening)direction. Execute commands in turn and cyclically

1#control wire — K1
4#public wire ①
or
2#control wire — K2
4#public wire ②

① and ② have the same function, take method ① as an example
When the motor stops running and K1 is opening, users close K1, the motor opens(or close).
When K1 is opened, motor keeps running. When K1 is closed, motor stops running.
When K1 is opened, motor stops running. When K1 is closed,the motor closes(or opens).
When K1 is opened, motor keeps running. When K1 is closed, motor stops running.When K1 is opened, motor stops running,execute commands in turn and cyclically.

② and ① have the same function, take method

Hand-held and wall-fixed Emitters available,Single or dual channels are available.
Emitters are equipped with wall stickers and connection frame

Product name : Remote
Product type : PRE01
Frequency : 433.92MHz
Channel : Single channel/Double channel
Battery : 3V CR2032
Battery life : 2 years (Rated power 210MAH)
Distance : 50 m
Fixed mode : magnetic suction base
Size : 66mm X 33mm X 10mm
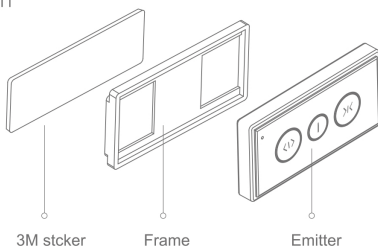
Light
Open
Stop
Close
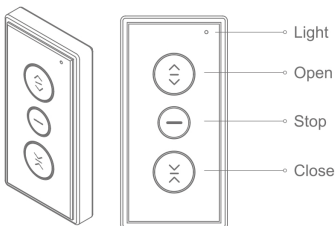
Hand-held single channel emitter
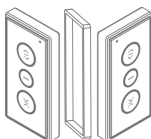
Hand-held dual channel

Wall type single channel emitter

Wall type dual channel emitter

- Installation

3M stcker

Frame

Emitter

- Battery replacement
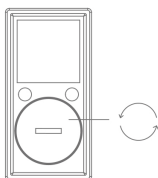
Rotate battery cover ,
replace the battery
Battery Type NO.:CR2032

- Type of track

1. Basic assemble track (1m master track);
2. Standard 1m track,
3. Adjustable track. The adjustable track is composed of 50cm, 20cm, 10cm.

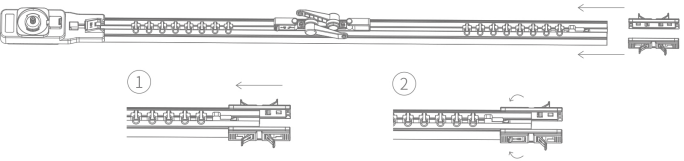NOTE: the track buckle direction is fixed ,CAN NOT be reversed

02/Track splicing

Adopt suitbale kit according to curtain length,refer to below operations:
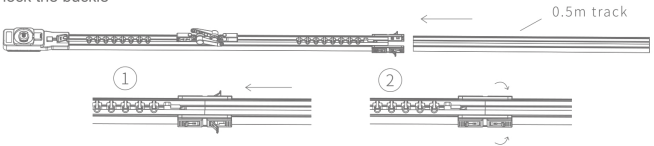Here, take the case of 2m kit with installation size of 1.5m as an example

1.Open the lock of sub gear box, and take off the box.

① ② ③
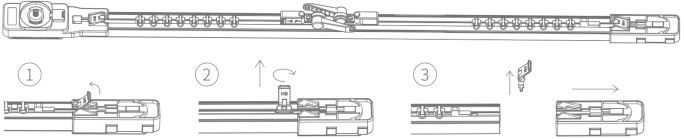
2.Insert the track buckle into the track , fix one side.

① ②

3.Insert 0.5m track into the other side of track buckle,then splice two tracks tightly, lock the buckle

0.5m track

① ②

4.Install the sub gear box again , and pull the positioner to the end of the track at sub-gear box side. Lock the buckle of sub gear box when hear a sound of click..

①

positioner

②

positioner

③ ④ ⑤
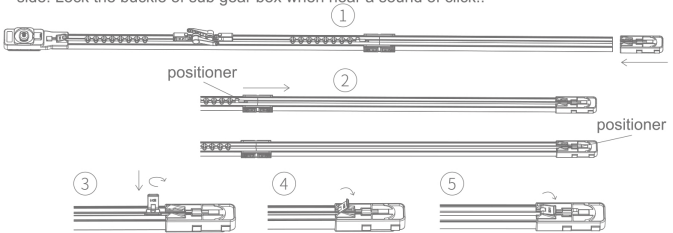
5.Open the lock of the master carrier, then pull the two carriers to the each end of the track. Then lock of the master carrier. Now the whole track splicing is finished..

① Open the lock of the master carrier buckle;

② Pull the two carriers to the each end of the track;

③

Attention:
Please DO NOT open the lock of sub carrier

Master carrier buckle
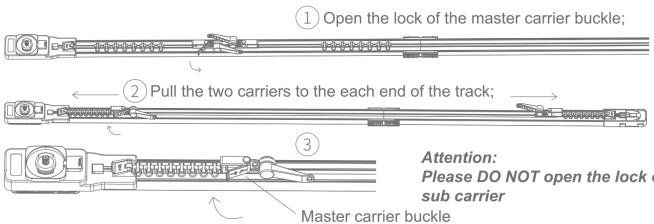
Engouh runners（8pcs/m) have been put into track in factory. The quantity of runners can be increased or decreased accordingly
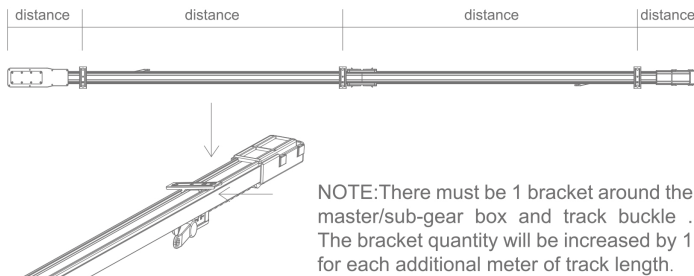

Open the masetr gear box, take out or put in runers
NOTE:DO NOT PULL OUT master gear box after releasing the buckle

Sub-gear box side:Increase or reduce runners before locking the buckle

03/Track installation

Please install the celling bracket before installing the track .
And measure the distance to fix the celling bracket .
Then clip the track into the bracket.

distance	distance	distance	distance

NOTE:There must be 1 bracket around the master/sub-gear box and track buckle . The bracket quantity will be increased by 1 for each additional meter of track length.

04/Curtain motor installation

Insert the motor head into the slot of the master gear box ,
Turn it 90 ° counterclockwise and turn on the motor power switch

Notch

Turn on the switch to "－"
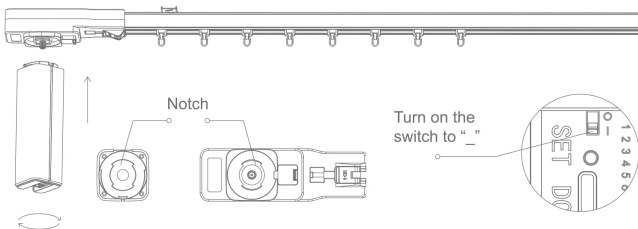
05/Disassemble of curtain motor

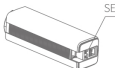Pull the motor buckle ,Turn it 90°clockwise,remove the motor

Motor buckle
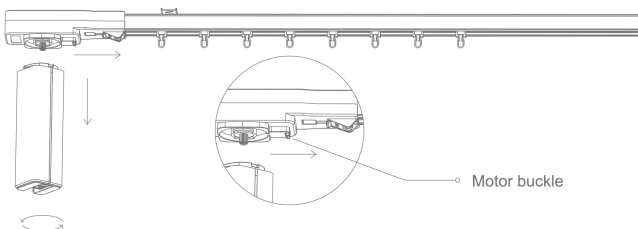
06/Motor- Remote operations

There is single channel emitter included in kit, it has been coed with motor ,can work with the motor directly

Speed adjustment of curtain motor (Effective for the current running)

When the motor runs from standstill

Press OPEN/close once
the motor runs at silent speed

Press OPEN/close twice
the motor runs at medium speed

Press OPEN/close three times
the motor runs at high speed

Adjust speed during its running

When the motor runs at a certain speed to open /close, press the remote OPEN/CLOSE, the motor will runs in a faster speed , if it is already at high speed, it will not accelerate. Note: When only controlled by the remote control, the motor running speed can be adjusted
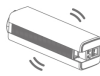
Code matching between motor and remote

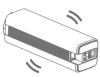Press the SET button at the bottom of motor
the indicator light flashes once

Secondm, press the STOP button on the remote, the motor (or pulley if you have installed motor on track) vibrates once, It meas code matching is successfully

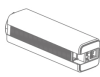## Release the control of current remote/all remote controls

Press OPEN and CLOSE at the same time
the motor vibrates once
the yellow indicator light stays on for a while

Press STOP 7 times, each time you press
the indicator light turns on and off alternately
and the light goes out after 7th pressing

Then press CLOSE/OPEN
the motor vibrates once
release the current remote control/
all remote controls successfully

Direction change

Method 1

Press motor SET button 5 times
indicator flashed 5times
and the motor vibrates once
Changing direction is successful

Method 2

First, press OPEN and CLOSE
at the same time, the motor vibrates once
indicator light stays on for a while

Then, press STOP
indicator light goes out

Next , press OPEN again
The motor vibrates once
Changing direction is successful

Set the limit position of opening/closing
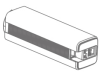
Let the motor stop at the designated position first
press OPEN and CLOSE at the same time until the motor
vibrates once, the yellow indicator stays on for a while

Then press STOP 5 times, each time you press
the indicator light turns on and off alternately
and the light goes out after 5th pressing

Next press OPEN/CLOSE once,
the motor vibrates once,set the limit
position of opening/closing is successful

Delete the limit position of opening/closing

Press the OPEN and CLOSE at the same
time until the motor vibrates once
the yellow indicaior stays on for a while

Press STOP 3times,each time you press
the indicator light turns on and off alternately
and the light goes out after the third pressing

Press the OPEN/CLOSE once
motor vibrates once ,we delete the limit
positions of opening/closing successfully

Set the intermediate (third) position

Let the motor stop at the designated position first,press the OPEN and CLOSE at the same time

Press STOP once,indicator light flashed once and goes out

Press CLOSE once,the motor vibrates once the intermediate (third)) position is set successfully
Note:Only one intermediate position can be set

Factory reset

Method 1

Long press and hold the motor SET key until the motor finishes 3 vibrations After releasing the key,the motor will vibrate twice more。Factory reset is finished

Method 2

Press the OPEN and CLOSE at the same time until the motor vibrates once The indicator light stays on for a while

Then long press the STOP until motor vibrates once,after releasing the key,the motor will vibrate twice moreFactory reset is finished

Remote copy code

Press the OPEN and CLOSE of remote at the same time until motor vibrates once the yellow indicator light stays on for a while
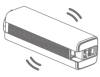
Press STOP of A 8 times,each time you press the indicator light turns on and off alternately and the light goes out after the 8th pressing
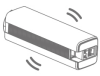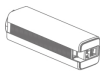
Press CLOSE of A once, the motor vibrates once,which means the motor enters in code copy mode

Next,press the STOP button of remote B the motor vibrateS once Now remote B can also control the motor

Description of motor indicator

1. The motor USB or AC is powered on, and the dual lights flash 5 times at the same time;

2. The electric quantity of the motor can support the operation of the motor. After stopping, the yellow light will stay on for 3 seconds when the electric quantity is more than 80%, and it will go out after the yellow light flashes 5 times when the electric quantity is less than 80%;

3. The motor power cannot support the motor operation, and the yellow green light flashes alternately for 5 times

4. For code matching operation, briefly press the key once, and the yellow indicator light will turn on and off, and then turn on again after 10 seconds.

5. For distribution network operation, press the SET three times,

In the process of matching network: the green indicator flashes for 60 seconds at most

Connect to the router: the green indicator is off;

Connect to the network: the green indicator is on.

6. The yellow (green) indicator light : in the low power consumption state, the indicator light will wake up when motor is started manually or press emitter buttons.

7. The yellow (green) indicator is off after 3 seconds without any operation.

Function differences when motor is

1.Powered on: Both normal and intelligent functions work well-remote(radio),APP,smart speakers,maunal starting...;

2.Not powered : The motor can can not work with intelligent control platforms or speakers,only retains normal control methods:remote(radio control) and manual starting.

07/DOS and DON'TS

- 1. This product is only for indoor use, do not use in humid environment or outdoor.
- 2.Pay attention to moisture proof, do not sprinkle water or other liquids on the product.
- 3. Do not place the product near the heat source.
- 4.The motor wires cannot be replaced. If the wire is damaged, the appliance should be abandoned.
- 5. Do not try to repair the motor by yourself if any fault occurs during usage.

08/Technical parameter

Product name	Smart Curtain Kit
Product type	MAGE10B
Input voltage	AC110-240V~50/60Hz ； DC5V1A
Rated power	9w
Rated current	0.1A
Protect Grade	IP20
Running speed	Adjustable in 3 gears
Working temperature	-20℃~55℃
Working humidity	0-95%RH
Insulation Grade	Class A

65mm
18.1mm
built-in Lithium

Current motor size：207*61*61.5mm
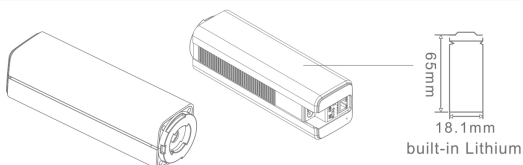
Battery capacity	2500mAh(0.2C)
Battery voltage	3.7V
Discharge Voltage Cut-off	2.75V
Charge Voltage Cut-off	4.20V

09/The names and contents of harmful substances in the products

Part Name	Hazardous Substance					
	Pb	Hg	Cd	Cr（Ⅵ）	PBB	PBDE
Plastic parts	○	○	○	○	○	○
Aluminium	○	○	○	○	○	○
Other internal structural metals	X	○	○	○	○	○
Motor PCBA	X	○	○	○	○	○
RemotePCBA	○	○	○	○	○	○
Packaging	○	○	○	○	○	○
Other part	○	○	○	○	○	○

This table is prepared according to the regulations of SJ/T 11364-2014

○ :Indicates that the content of the harmful substance in all homogeneous materials of the component is below the limit requirements specified in GB/T 26572-2011;

✕ :Indicates that the content of the harmful substance in at least one homogeneous material of the component exceeds the limit requirements specified in GB/T 26572-2011.

The number in this label indicates that the environmental protection service life of the product under normal use is 10 years. Some parts have an environmental protection service life label, and the environmental protection service life shall be subject to the number in the label.

10/Service

1.We promise that customer have 3 years guarantee due to the quality problem .

2.If due to improper installation, not according to the manual installation , caused by the fault or damage, the company will provide paid maintenance services.

3.Due to voltage resistance or abnormal voltage, abnormal temperature, water, fire, other force majeure caused by the fault or damage, the company provides paid maintenance services

4.The company will not provide maintenance service for the failure or damage caused by artificial dismantling or unauthorized alteration of the product.

11/Guarantee clause

The after-sales service of electric curtain products is strictly in accordance with the Law of the People's Republic of China on the Protection of The Rights and Interests of Consumers and the Law of the People's Republic of China on Product Quality, and the implementation of after-sales three-guarantee service, the service content is as follows:

1.If the product fails in performance within 7 days after you sign for it, you can enjoy free return or replacement service;

2.In case of performance failure of the product occurring within 8-15 days from the date of receipt, you can enjoy replacement or repair services free of charge;

3.If the product fails in performance within 36 months from the date you sign for it, you can enjoy free maintenance services.

12/Non-warranty clause

1.Unauthorized maintenance, misuse, collision, negligence, abuse, infusion, accident, modification, incorrect use of parts other than the product, or tear, alter label stickers, security marks;

2.The period of validity of three packages has exceeded;

3.Damage caused by force majeure;

4.other than the product itself , technology, manufacturing, quality and other problems caused by damage or failure.

Product
Quality
Certification

DATE

QC

PASS

IQC

01