BINTHEN®

MOTORIZED CURTAIN TRACK SYSTEM

PRODUCT MAUNAL

BINTHEN®

BINTHEN®

About Us
Company Profile

Committed to popularize the electric curtain
that each family can afford
motorized curtain

Hangzhou BINTHEN Intelligence Technology Co., Ltd is located in hanghzhou ,which ranks the top of the Chinese modern technology industry,focus on designing creating marking and selling intelligent shading products.The company has strong power to create , good at making breakthrough.They inherit the "artisan"spirit,be strict to quality,be careful to manufacture,pursue perfection,devote themselves to make the products with high quality , be professional ,be reliable and be Cost-effective.

Main products of the company are: intelligent curtain track,smart home product、 tubular motor、 curtain motor、 blind/shutter motor controller system and accessories ,and so on.Perfect creating system insures good quality of the products.

Here are complete product inspection process ,professional laboratory equipment and Product aging test.Monitor each production processes,design precisely,create elaborately,test carefully,make sure every product has been checked 100%,present the most reliable product to final users.

The company sets professional assembly line to produce all kinds of motors,every assembly line has its test process,so that insure each goods' stability.The excellent warehouse management promises us improve turnover and Shipping efficiency, ensure delivery products within the order time.

The products through the authority of quality system certification and environmental management quality system certification,3 years quality assurance, high-quality after-sales service provides timely and efficient follow-up protection of products.

Domestic sales and distribution center of Hangzhou Binthen

Haerbin
Wulumuqi
Shenyang
Beijing
Jinan
Zhengzhou
Xian
Hefei
Chengdu
Wuhan
Hangzhou
Changsha
Shaoxing
Guizhou
Guangzhou
Kunming
Shenzhen

BINTHEN®
丙申智能

★ Company Headquarter
● Binthen sales office
🚚 Binthen distribution center

Patent adjustable track assemble length accordingly

Customized Track Only?

Assemble length freely
Abandon customized track
DIY freely
Get any length
Standardized collocation production

Spare Parts Inventory?

Prepare a large stock of Completed products
Standard product
no need to customized one by one
large inventory ,delivery anytime
High efficiency
Satisfiy the PO demands immediately

Difficult to transport?

Set product easy to ship
No worry about transport
Rapid batch ship
convenient to express
Easy to carry .go upstairs
Easy to go into or out of rooms
Can be sold in supermarket

Difficult to go upstairs?

Easy to take the packaging
Small volume,occupy less space
Take into the lift freely
Easy to transport when by car or small vans
Creat a new model of motorized curtain track selling

RoHS CE CCC

FC IC ISO 9001:2015 国际质量管理体系认证 OHSAS 18001:2007 职业健康安全管理体系认证 ISO 14001:2015 国家环境管理体系认证

CONTENTS

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MOTORIZED CURTAIN TRACK SOLUTIONS

Motorized curtain track kit specifications
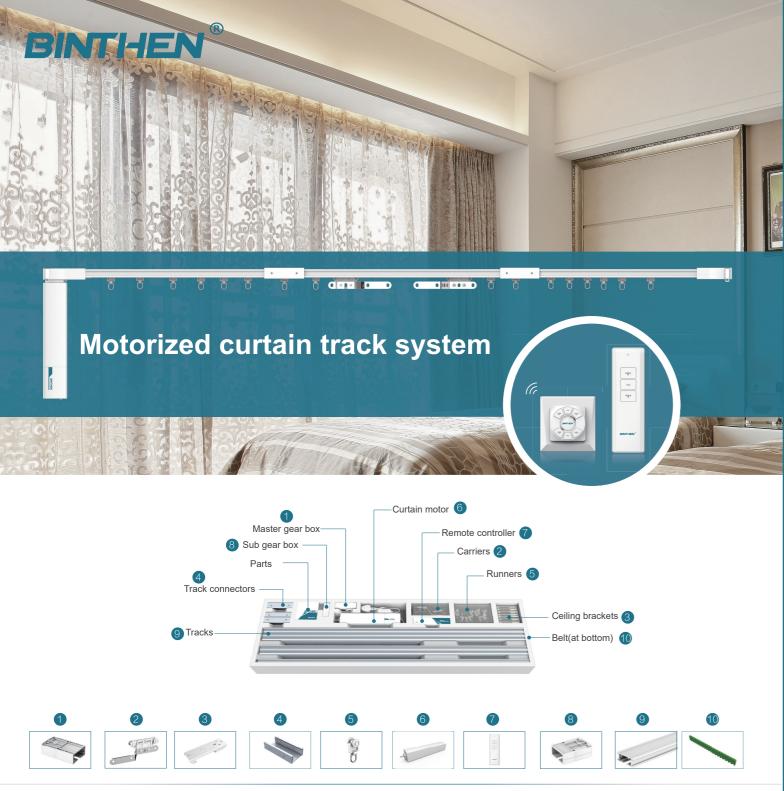
NO.	Size	Track Length（mm）	Track Connector（mm）	Adjustable Track					Suitable Size（M）(Wall To Wall)
				Track Length（mm）			Track Connector（mm）		
		1000	100	500	200	100	200	100	
1	2.2m	1	1	1	2	1	1	1	Under2.2m
2	3.2m	2	2	1	2	1	1	1	2.2m-3.2m
3	4.2m	3	3	1	2	1	1	1	3.2m-4.2m
4	5.2m	4	4	1	2	1	1	1	4.2m-5.2m
5	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

Note: 1.500mm,200mm,100mm tracks are adjustable track, 200mm,100mm are track connectors
2.Optional accessories:Side mounting brack, 90°angle

Spliced track system

Standard 1m track

1000mm
500mm
200mm
100mm

Spliced track connector
Ensure the seams
are perfectly stitched

Professional spliced track design
splicing firmly
more convenient

41.50
16.90
10.50
8

Splicing solutions

Splice any length needed

100mm 200mm 300mm 400mm 500mm 600mm 700mm 800mm 900mm 1000mm

Motorized curtain track system

MOTORIZED CURTAIN TRACK KIT

1 Master gear box
8 Sub gear box
Parts
4 Track connectors
9 Tracks

Curtain motor 6
Remote controller 7
Carriers 2
Runners 5
Ceiling brackets 3
Belt(at bottom) 10

Achieve home smart control of curtain

Manual start

Pull curtain about 10cm by hand, curtain will open or close automatically.

Manual operation if power cut

When there is no power , you can open or close by hand easily.

Middle position set

set a middle stop location at the middle of open and close position to make the better light.

Multiple controls

Choose remote control ,switch, or smart remote control accordingly.

Track length free spiced

DIY design，get any length needed.

Automatically set the memory running point

After powering off,the motor will set running point of open and close again when power on.

MOTORIZED CURTAIN TRACK KIT

Standardization of non-standard products

Original production assembly, standardized combination

Parts in kit
motor/ tracks /remote controller /accessories

Quick assemble track
Motors and tracks produced by original factory
Initial design original match
Set sale quick and fast

PATENTED PRODUCT

Rated power	40W	Rated torque	1.2 Nm
Maximum load	50kg	Rated voltage	AC100v~240v
Warranty	3 years	Protection level	IP20

Wireless control	Silent design	Running smoothly	Radio control	Maunal start	Maxload	Easy installation	High quality process

Manual start

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Track length free spiced

DIY design，get any length needed.

MOTORIZED CURTAIN TRACK SMART KIT

tuya

Production based on TUYA samrt control system download TUYA smart APP to add curtain device

Features:
Suitable for BCM700D-TUYA motor；
Log in by TUYA account,
Suitable for domestic and foreign markets；
The router needs to be connected to the network；
Support a variety of intelligent speakers control；

Rated power	40W	Rated torque	1.2 Nm
Maximum load	50kg	Rated voltage	AC100v~240v
Warranty	3 years	Protection level	IP20

Control method: 433MHz WIFI SMART SPEAKERS

Ruoqi	Echo	Tmall speaker	Xiaodu speaker	Tencent cloud xiaowei	Google home	Dingdong speaker

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Manual operation if power cut

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Multiple controls

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Track length free spiced

DIY design，get any length needed.

MOTORIZED CURTAIN TRACK
ALI SMART KIT

阿里智能
Alibaba Smart Living

Connect to Ali smart control system
download Alibaba smart APP to add curtain device

Features:
External WiFi module, suitable for BCM300DS
motors; Log in by Ali cloud ,Taobao account,
suitable for demestic market remote control;
The router needs to be connected to the
network controlled by Tmall speaker;

Rated power 40W		Rated torque 1.2 Nm	
Maximum load 50kg		Rated voltage AC100v~240v	
Warranty 3 years		Protection level IP20	
Control method: 433MHz WIFI SMART SPEAKERS			

Support external Ali smart wifi module

MOTORIZED CURTAIN TRACK
JD WEILIAN SMART KIT

京东微联

Connect to JDweilian smart control system
download JD smart APP to add curtain device

Features:
External WiFi module ,suitable for BCM300DS
motors; Log in by JD account,suitable for
demestic market remote control; The router
needs to be connected to the network
controlled by JD speaker;

Rated power 40W		Rated torque 1.2 Nm	
Maximum load 50kg		Rated voltage AC100v~240v	
Warranty 3 years		Protection level IP20	
Control method: 433MHz WIFI SMART SPEAKERS			

Support external JD wifi module

Manual start

Pull curtain about 10cm by hand,
curtain will open or close
automatically.

Manual operation if power cut

When there is no power ,
you can open or close by hand
easily.

Middle position set

set a middle stop location at the
middle of open and close position
to make the better light.

Multiple controls

Choose remote control ,switch,
or smart remote control
accordingly.

Automatically set the memory running point

After powering off,the motor will
set running point of open and
close again when power on.

Track length free spiced

DIY design, get any length
needed.

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Choose remote control ,switch,
or smart remote control
accordingly.

Automatically set the memory running point

After powering off,the motor will
set running point of open and
close again when power on.

Track length free spiced

DIY design, get any length
needed.

MOTORIZED CURTAIN TRACK
COOLKIT SMART KIT

CoolKit 酷宅科技   e·support

Connect to e-support smart control system,
download e-support smart APP to add curtain device

Features:
Suitable for BCM500D-KZ series motor;
Log in by e-support account ,suitable in
domestic market;
Remote control,The router needs to be
connected to the network;
Controlled by many smart speakers;

Rated power 40W		Rated torque 1.2 Nm	
Maximum load 50kg		Rated voltage AC100v~240v	
Warranty 3 years		Protection level IP20	
Control method: 433MHz WIFI SMART SPEAKERS			

BCM500D~KZ

MOTORIZED CURTAIN TRACK
JOYRILL SMART KIT

卓居 JOYRILL   智能家居 HOMEPRO

Connect to homepro smart control system,
download homepro smart APP to add curtain device

Features:
Suitable for BCM500D-ZJ series motor ;
Log in by homepro account ,suitable in
domestic market, remote control ; Connected
to gateway,controlled by many widely used
smart speakers,such as Baidu xiaodu,Tmall
smart speakers,and so on;

Rated power 40W		Rated torque 1.2 Nm	
Maximum load 50kg		Rated voltage AC100v~240v	
Warranty 3 years		Protection level IP20	
Control method: 433MHz both-way communication			
SMART SPEAKERS			

Gateway   BCM500D~ZJ

Manual start

Pull curtain about 10cm by hand,
curtain will open or close
automatically.

Manual operation if power cut

When there is no power ,
you can open or close by hand
easily.

Middle position set

set a middle stop location at the
middle of open and close position
to make the better light.

Multiple controls

Choose remote control ,switch,
or smart remote control
accordingly.

**Automatically set the memory
running point**

After powering off,the motor will
set running point of open and
close again when power on.

Track length free spiced

DIY design , get any length
needed.

Manual start

Pull curtain about 10cm by hand,
curtain will open or close
automatically.

Manual operation if power cut

When there is no power ,
you can open or close by hand
easily.

Middle position set

set a middle stop location at the
middle of open and close position
to make the better light.

Multiple controls

Choose remote control ,switch,
or smart remote control
accordingly.

**Automatically set the memory
running point**

After powering off,the motor will
set running point of open and
close again when power on.

Track length free spiced

DIY design , get any length
needed.

MOTORIZED CURTAIN TRACK
BROADLINK SMART KIT

BroadLink

Connect to ZHIHUIXING smart control system
download e-support smart APP to add curtain device

Features:
Suitable for BCM700D-GB series motor;
Log in by ZHIHUIXING account ,suitable in
domestic market remote control; The router
needs to be connected to the network controlled
by some widely used smart speakers;

Rated power 40W	Rated torque 1.2 Nm		
Maximum load 50kg	Rated voltage AC100v~240v		
Warranty 3 years	Protection level IP20		
Control method: 433MHz WIFI SMART SPEAKERS			

BCM700D-GB

MOTORIZED CURTAIN TRACK
ALLGO SMART KIT

AllGo

Based on Allgo protocl

Features:
Suitable for BCM500D-LW series motor ;
Adopt Allgo protocol ,suitable for products
belongs to Allgo alliances ,can remote control ;
The router needs to be connected to the
network controlled by some widely used smart
speakers ;

Rated power 40W	Rated torque 1.2 Nm		
Maximum load 50kg	Rated voltage AC100v~240v		
Warranty 3 years	Protection level IP20		
Control method: 433MHz both-way communication			

BCM500D-LW

Manual start

Pull curtain about 10cm by hand,
curtain will open or close
automatically.

Manual operation if power cut

When there is no power ,
you can open or close by hand
easily.

Middle position set

set a middle stop location at the
middle of open and close position
to make the better light.

Multiple controls

Choose remote control ,switch,
or smart remote control
accordingly.

Automatically set the memory running point

After powering off,the motor will
set running point of open and
close again when power on.

Track length free spiced

DIY design， get any length
needed.

Manual start

Pull curtain about 10cm by hand,
curtain will open or close
automatically.

Manual operation if power cut

When there is no power ,
you can open or close by hand
easily.

Middle position set

set a middle stop location at the
middle of open and close position
to make the better light.

Multiple controls

Choose remote control ,switch,
or smart remote control
accordingly.

Automatically set the memory running point

After powering off,the motor will
set running point of open and
close again when power on.

Track length free spiced

DIY design， get any length
needed.

MOTORIZED LIFT CURTAIN

Standardized assemble shceme   Adjustable size
Systematic design   Easy to assemble

PATENTED
PRODUCT

Adopt easy disassemly design,easy to install and remove the motor
Be used for straight curtain tracks
The motor has been patented on clutch,and the stroke can be set automatically,can be control manually and by remote
Radio receiver can be make inside or outside of motor,can be connect with other control systems,easy to make smart control
Minimal noise,minimal vibrate
High quality full coating track,move by belt with stainless steel wires

| Assemble lift | Wireless remote | Super silent | Smooth running | Manual operation | Radio control | Large load | Assembled fast | High technology |

PATENTED TELESCOPIC STRUCTURE SYSTEM

Patented telescopic structure design
Safe and reliable   Achieve adapt to different size by telescopic length
Adjustable size   No need to customize   Assemble sales way

PATENTED
PRODUCT

1m stationary drive tube
1m telescopic tube
1m stationary drive tube
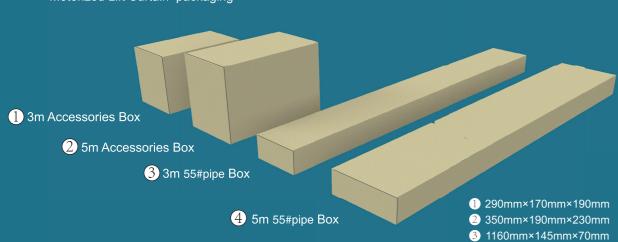
Sizes of telescopic structure lift system

Assemble size	suitable length
3m	2.078m-3.018m
5m	3.078m-4.964m
7m	4.090m-6.910m

Remarks: Out of these sizes can be customized

Motorized Lift Curtain packaging

① 3m Accessories Box
② 5m Accessories Box
③ 3m 55#pipe Box
④ 5m 55#pipe Box

① 290mm×170mm×190mm
② 350mm×190mm×230mm
③ 1160mm×145mm×70mm
④ 1160mm×201mm×70mm

PATENTED TELESCOPIC STRUCTURE SYSTEM
Examples of assemble length

7m set: adjustable extent 4.090m-6.910m

5m set: adjustable extent 3.078m-4.964m

3m set: adjustable extent 2.078m-3.018m
Example:3m

Example:2.5m

Example:2.2m

LIFT SYSTEM

Adopt high quality tubular motor to supply power
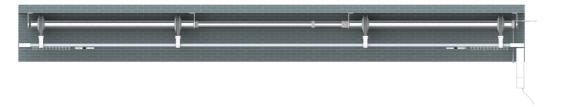Easy to control,stable operation
The motor has been patented on clutch
The stroke can be set automatically,can be control manually and by remote
Radio receiver can be make inside or outside, can be connect with
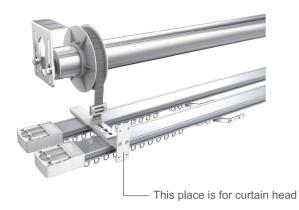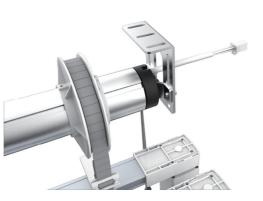other control systems,easy to make smart control

Rise

Descend

ACCESSORIES

Easy to install
High strength belt,strong and durable
Easy to adjust

Terminal for tubular motor
Easy to connect wires
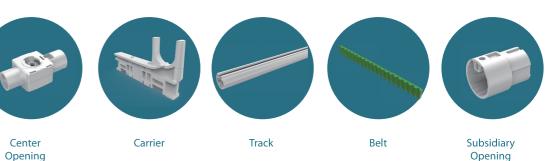
This place is for curtain head

MOTORIZED ROME POLE SYSTEM

| Wireless remote | Super Silent | Smooth Running | Radio Control | Manual Operation | Large Load | Assembled Fast | High Technology |

| Center Opening | Carrier | Track | Belt | Subsidiary Opening |

Manual start

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Manual operation if power cut

When there is no power , you can open or close by hand easily.

Middle position set

Set a middle stop location at the middle of open and close position to make the better light.

Multiple controls

Choose remote control ,switch, or smart remote control accordingly.

Automatically set the memory running point

After powering off,the motor will set running point of open and close again when power on.

Track length free spiced

DIY design , get any length needed.

ACCESSORIZE / CURTAIN MOTOR

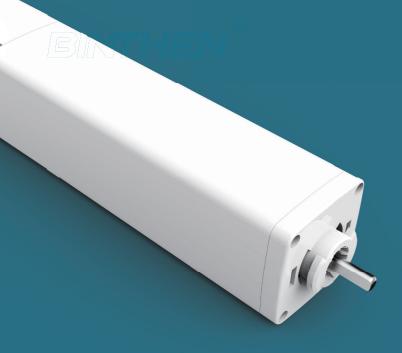Wireless remote | Super silent | Smooth running | Radio control | Manual operation | Large load | Assembled fast | High technology

BCM100D
DC Curtain Motor

Technical Parameters

Rated Torque	1. 2 NM
Rated Voltage	AC100-240V
Rated Consumption	40W
Max Load	50 KG
Radio Distance	>50M
IP	IP20
Warranty	3 years

Product Size /mm

49. 5

49. 5

247

270. 5

BCM100DB

Low power consumption DC motor
Possess battery power

Lithium cell power

Battery capacity: 2200MAH
Battery voltage: 12v
Maximum output current: 4A
Slow charge input: 5v/16.8v
Fast charge input: 2A

BCM100DC

Four wires motor DC power input
Strong current switch control
Can be use in projects and hotels

BCM100D5X

Five wires motor
Possess remote control and strong current switch control

BCM100D-RS485

Support RS-485 control
RS-485 Motor
Can be connect into smart system
Multi-motors synchronization control
Save cost with high quality
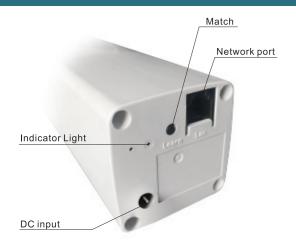
Battery box for motorized curtain system

Easy to install,high capacity, support long working time

Easy to solve no power plug nearby the window
No need to rewiring
Conveniente and fast
Long battery life with fast charge

Power supplied by battery ,connect motor and battery by DC-DC cable. very convenient.Remove the battery to charge,it can be charging more than 300 times.

Battery capacity:2200MAH
Battery voltage:12V
Maximum output current:4A
slow charge input:5V/2A
fast charge input:16.8V/1.4A

Lithium Cell

Match

Network port

Indicator Light

DC input

DC-DC cable
Both plugs are DC005-5.5*2.1
The length is 1.5M

USB slow charging port,connect with MICRO (mobile phone charger port)

DC005-3.5*1.35 Fast charging port , connect with adapter.

DC005-5,5*2,1 output port.
Connect motor by DC cable.

Fully charge indicator lamp

Charging indicator lamp

Battery box instruction

1.There are 3 ports (2 of them are charging ports)and 2 indicators;
2.DC005-3.5*1.35 is fast charging port,charging by adapter mostly, charging time is about 2.5h;
3.MICRO is slow charging port, Charging by 5V/1.5A (or over) phone charger,charging time is about 8h;
4.Output port is DC005-5,5*2.1 , connect DC-DC cable to motor to supply power ;
5.Red light means charging ,Green light means charging over .

Wiring method
Connect motor with battery box by DC-DC cable,two sides DC cable are the same.One side plug cable into DC output port and the other side plug into discharging output port of battery box.
The DC -DC cable is 1.5M , easy to remove and charging.

Charging reminder
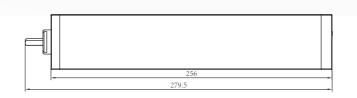If users find the motor make "didi" noise,it means lack of power, should charge it .

Wireless remote | Super silent | Smooth running | Radio control | Manual operation | Large load | Assembled fast | High technology

BCM300D
DC Curtain Motor

Technical Parameters

Rated Torque	1.2 NM
Rated Voltage	AC100-240V
Rated Consumption	40W
Max Load	50 KG
Radio Distance	>50M
IP	IP20
Warranty	3 years

Smart kit | Intellgent speaker control | Join smart system

Product Size /mm

54.3
50
256
279.5

BCM300DB
Low power consumption DC motor
Possess battery power

Lithium cell power

Battery capacity: 2200MAH
Battery voltage: 12v
Maximum output current: 4A
Slow charge input: 5v/16.8v
Fast charge input: 2A

BCM300DC
Four wires motor DC power input
Strong current switch control
Can be use in projects and hotels

BCM300D5X
Five wires motor
Possess remote control and strong current switch control

BCM300D-RS485
Support RS-485 control
RS-485 Motor
Can be connect into smart system
Multi-motors synchronization control
Save cost with high quality

BCM300D tuya
Smart type
Wifi motor
Join tuya APP system
Support varieties of popular speakers control
Customize scene setting
Timing operation

BINTHEN®

Wireless remote | Super silent | Smooth running | Radio control | Manual operation | Large load | Assembled fast | High technology

BCM700D
DC Curtain Motor

Technical Parameters

Rated Torque	1.2NM
Rated Voltage	AC100-240V
Rated Consumption	40W
Max Load	50 KG
Radio Distance	>50M
IP	IP20
Warranty	3 years
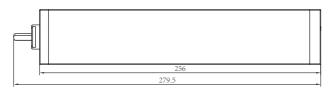
Smart kit | Intellgent speaker control | Join smart system

产品尺寸/mm

54.3

50

256

279.5

BCM700D-TY tuya

Smart type
Wifi motor
Join tuya APP system
Support varieties of popular speakers control
Customize scene setting
Timing operation

BCM700D-GB BroadLink

Smart type
Wifi motor
Join broadlink-zhihuixing APP system
Support varieties of popular speakers control
Customize scene setting
Timing operation

ACCESSORIZE / REMOTE CONTROLLER

BINTHEN®

INTELLIGENT CONTROL SYSTEM

Low power consumption, stable signal

Easy using for all families

Multiple terminal devices can be control in same time
Easy to set up,multi-operations by one touch

BINTHEN®

Curtain track

Motor

Intellgent speaker control

Application control

Wall design remote

BE102

Wall Design
Double Channel

Power Supply：3V（CR2032）
Output frequency： 433.92MHz
Output Power： 10mw
Working Temperature： -10℃~50℃
Distance: >50 m

Wall assembling

BINTHEN®

BINTHEN®

Remote controller

BE201

Single Channel

Power Supply： 2*1.5V（AAA）
Output frequency： 433.92MHz
Output Power： 10mw
Working Temperature： -10℃~50℃
Distance: >50 m

Wall bracket for option

BE206

Six Channel

Power Supply： 2*1.5V（AAA）
Output frequency： 433.92MHz
Output Power： 10mw
Working Temperature： -10℃~50℃
Distance: >50 m

Wall bracket for option

BE202

Two Channel

Power Supply： 2*1.5V（AAA）
Output frequency： 433.92MHz
Output Power： 10mw
Working Temperature： -10℃~50℃
Distance: >50 m

Wall bracket for option

OPTIONAL ACCESSORIES

BE216LT

16 channels LCD timing emitter

Power Supply： 2*1.5V（AAA）
Output frequency： 433.92MHz
Output Power： 10mw
Working Temperature： -10℃~50℃
Distance: >50 m

Wall bracket for option

BE216L

16 channels LCD emitter

Power Supply： 2*1.5V（AAA）
Output frequency： 433.92MHz
Output Power： 10mw
Working Temperature： -10℃~50℃
Distance: >50 m

Wall bracket for option

BINTHEN ®

SIDE MOUNTING BRACKET
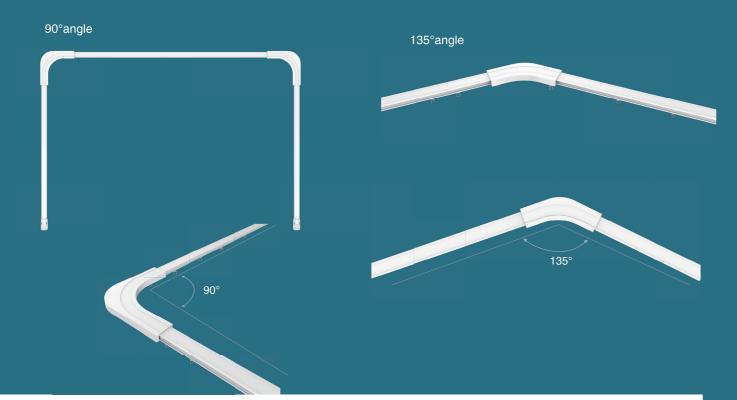
Single track side mounting bracket   Double track side mounting bracket

CORNER CONNECTOR

90° corner connector   135° corner connector

90°angle

135°angle

90°
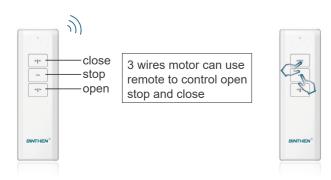
135°

MOTOR APPLICATIONS SOLUTIONS

3 WIRES MOTOR SOLUTIONS

Functions

3 wires motor as basic motor can be control by remote,weak current dry contact switch and so on, applicable to multi-scene.

Change the control mode

close
stop
open

3 wires motor can use remote to control open stop and close

BINTHEN®

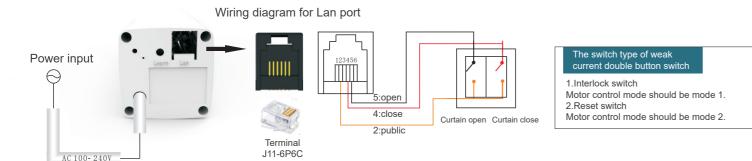Change the control mode for weak current dry contact switch:

Hold close and stop buttons in same time for 3 seconds, the motor will vibrate once,control mode change to next mode.

Mode1:applicable to double interlock switch(Factory default settings)
Mode2:applicable to double reset switch
Mode3:applicable to single reset switch

Wiring diagram for weak current double button switch

Wiring diagram for Lan port

Power input

AC 100- 240V

Terminal
J11-6P6C

123456

5:open
4:close
2:public

Curtain open   Curtain close

The switch type of weak current double button switch

1.Interlock switch
Motor control mode should be mode 1.
2.Reset switch
Motor control mode should be mode 2.

Wiring diagram for weak current double button switch

Wiring diagram for Lan port

Power input

AC 100- 240V

Terminal
J11-6P6C

123456

4:close
2:public

Curtain open&close

The switch type of weak current single button switch

Reset switch
Motor control mode should be mode 3.

4 WIRES MOTOR SOLUTIONS

Functions

4 wires motor not possess RF control, not support remote control,only use strong current switch. Applicable to hotel,smart home and decoration project etc.

Wiring diagram and functions

⚠ Notice:
switch type is strong current double interlock switch, 4 wires motor can't connect with weak current switch

Power input

Terminal
J11-6P6C

Lan port
Learn button
LED light

AC 100- 240V

Live wire(brown)
Neutral(blue)
Earth(green/yellow)

Curtain open   Curtain close

Close（red）
Open（black）
Neutral(blue)
Earth(green/yellow)

AC 100- 240V

Wiring diagram

5 WIRES MOTOR SOLUTIONS

Functions

5 wires motor possess RF control, support remote control,strong current dry contact switch, strong current switch,plug-in card power supply and so on.Applicable to hotel,smart home and decoration project etc.

Change the control mode

close
stop
open

5 wires motor can use remote to control open stop and close.

Change the control mode for weak current dry contact switch:

Hold close and stop buttons in same time for 3 seconds, the motor will vibrate once,control mode change to next mode.

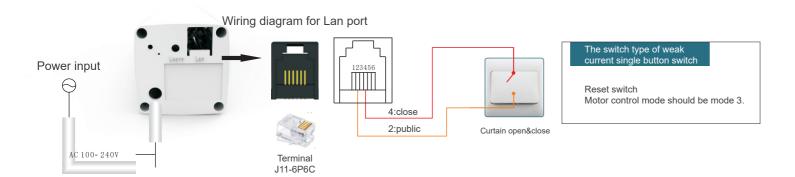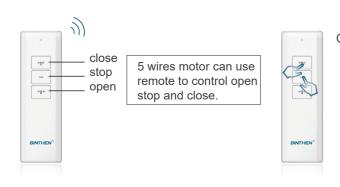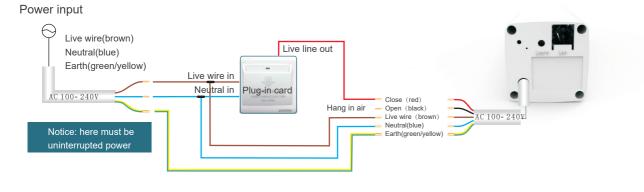Mode1:applicable to double interlock switch(Factory default settings)
Mode2:applicable to double reset switch
Mode3:applicable to single reset switch
mode4:applicable to plug-in card power supply

Wiring diagram for plug-in card power supply

Power input

Live wire(brown)
Neutral(blue)
Earth(green/yellow)

AC 100- 240V

Live line out

Live wire in
Neutral in   Plug-in card

Hang in air   Close（red）
Open（black）
Live wire（brown）
Neutral(blue)
Earth(green/yellow)
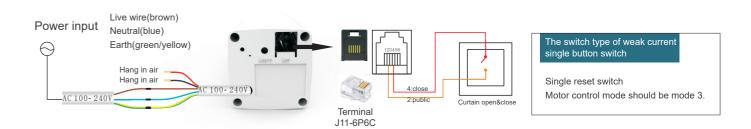
AC 100- 240V

Notice: here must be uninterrupted power

The control mode should be mode 4 when use plug-in card power supply,
take off card curtain will open, put in card curtain will close.
If you need to use switch and plug-in card in same time,you can only connect
weak current double interlock button with Lan port,can't use strong current switch

Wiring diagram for weak current double button switch

Power input   Live wire(brown)
Neutral(blue)
Earth(green/yellow)

Hang in air
Hang in air

AC 100- 240V   AC 100- 240V

123456

5:open
4:close
2:public

Curtain open Curtain close

Terminal
J11-6P6C

The switch type of weak current double button switch

1.Interlock switch
Motor control mode should be mode 1.
2.Reset switch
Motor control mode should be mode 2.

Wiring diagram for weak current single button switch

Power input   Live wire(brown)
Neutral(blue)
Earth(green/yellow)

Hang in air
Hang in air

AC 100- 240V   AC 100- 240V

123456

4:close
2:public

Curtain open&close

Terminal
J11-6P6C

The switch type of weak current single button switch

Single reset switch
Motor control mode should be mode 3.

Wiring diagram for strong current double button switch

Power input

AC 100- 240V

Curtain open Curtain close

Live wire(brown)
Neutral(blue)
Earth(green/yellow)

Close（red）
Open（black）
Live wire（brown）
Neutral(blue)
Earth(green/yellow)

AC 100- 240V

The switch type of strong current double button switch

1.Interlock switch
Motor control mode should be mode 1.
2.Reset switch
Motor control mode should be mode 2.

Wiring diagram for strong current single button switch

Power input

AC 100- 240V

Curtain open&close

Live wire(brown)
Neutral(blue)
Earth(green/yellow)

Hang in air   Close（red）
Open（black）
Live wire（brown）
Neutral(blue)
Earth(green/yellow)

AC 100- 240V

The switch type of strong current single button switch

Single reset switch
Motor control mode should be mode 3.

RS-485 MOTOR SOLUTIONS

Functions

RS-485 motor possess RF control, support remote control and RS485 bus control.Applicable to smart home and hotel project etc.

Wiring diagram for RS485

Power input   Power input   Power input

Nth floor

number 1   number 2 ······ number N

RS485
485B
485A

RS485 repeater

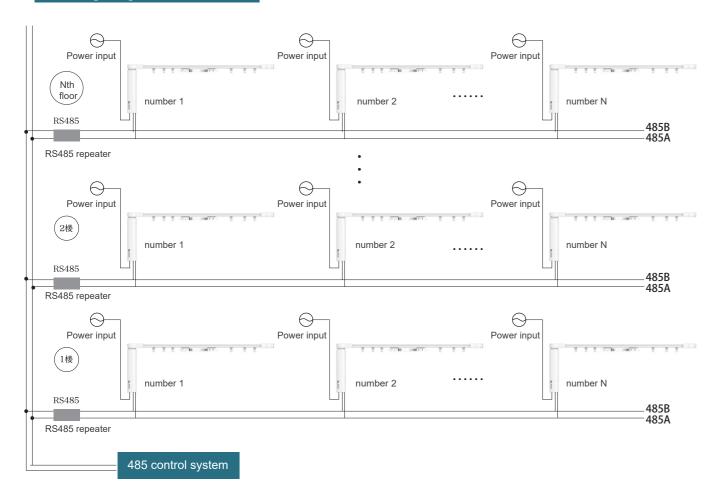Power input   Power input   Power input

2楼

number 1   number 2 ······ number N

RS485
485B
485A

RS485 repeater

Power input   Power input   Power input

1楼

number 1   number 2 ······ number N

RS485
485B
485A

RS485 repeater

485 control system

Wiring diagram for 485

123456

6脚：485A
1脚：485B

⚠ Notice:485A and 485B need to be connected sequentially
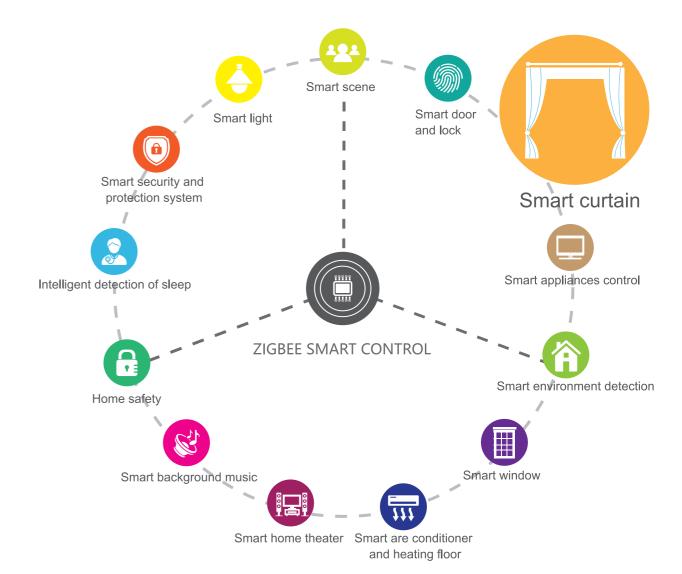
Other control modes

RS485 motor can be control by remotes and weak current dry contact switch, more details please check 3 wires motor solutions.

MOTORIZED CURTAIN ZIGBEE SMART CONTROL SOLUTION

ZIGBEE protocol connect

For most motorized curtain in the market can t connect to living samrt home control system directly ,and the poor integration ,we adopt ZIG BEE technology ,set up a motorized curtain control system wireless network by doordinator ,routing nodes and terminal nodes ,gateway PAD .Through the online detecting light sensor to detect the current light intensity, according to current light value and the system time to control the corresponding node in curtain motor in networlk automatically , so as to realize the intelligent light-control of the curtain.

BINTHEN smart control motor ,has stably information transmission with the ZIGBEE system,can satisfy the demands of smart home project designs

Smart scene

Smart light

Smart door and lock

Smart security and protection system

Smart curtain

Intelligent detection of sleep

Smart appliances control

ZIGBEE SMART CONTROL

Home safety

Smart environment detection

Smart background music

Smart window

Smart home theater   Smart are conditioner and heating floor

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MOTORIZED CURTAIN SMART CONTROL SOLUTION

Z-wave protocol connect control

Z-WAVE Working frequency

China /MHz	America /MHz	Europe /MHz	Austrial /MHz	Japan /MHz	Malisia /MHz	Russia /MHz
868.4	908.4/ 916	868.4	919.8/ 921.4	922.5/ 923.9/ 926.3	868.1	869.0

Z-WAVE protocol smart control

Z-WAVE ALLIANCE now contains more than 160 famous corporations ,almost cover all over the world ,any country ,any district ,the members in the origanization are the manufacturers who already has their porducts in smart home field, BINTHEN curtain motor has finished the connections with Z-WAVE protocol,can realize smart control easily
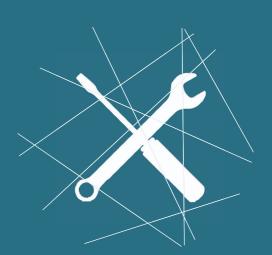
WIFI intelligent control

Features :
Set up a network through WIFI and router ,realize the local/remote control ,
enjoy the smart home anywhere
Adopt the intelligent wireless match code ,control the appliances freely
Support many kinds of scene modes ,timing modes , get different control experiences
You can add or delete appliances at the terminal control side ,set different modes
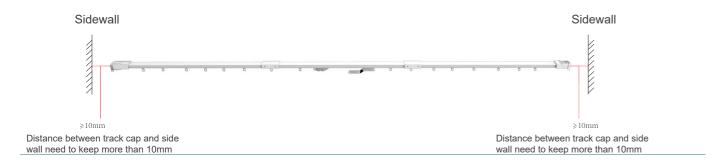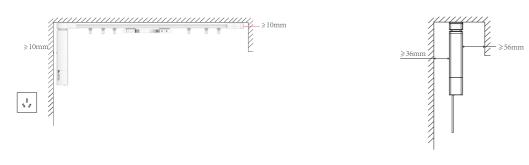
Remote controller

INSTALLATION DIMENSION REQUIREMENTS

DIMENSION REQUIRE FOR INSTALL THE MOTORIZED CURTAIN TRACK SYSTEM

Single track

Sidewall

Sidewall

≥10mm

≥10mm

Distance between track cap and side wall need to keep more than 10mm

Distance between track cap and side wall need to keep more than 10mm

≥10mm

≥10mm

≥10mm

≥36mm

≥56mm

Notice:
The motor should be install nearby the power port

Notice:
The roof should be strong enough for hold the full weight of tracks motor and curtain fabrics

Double track

Sidewall

Sidewall

≥10mm

≥10mm

Distance between track cap and side wall need to keep more than 10mm

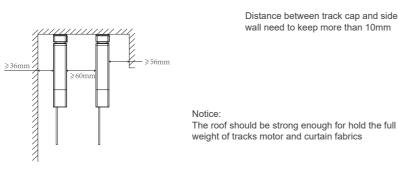Distance between track cap and side wall need to keep more than 10mm

≥36mm

≥60mm

≥56mm

Notice:
The roof should be strong enough for hold the full weight of tracks motor and curtain fabrics
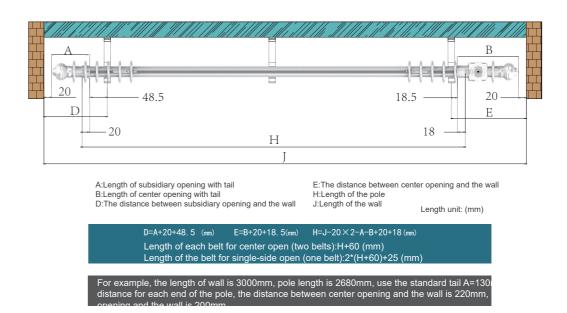
Double tracks
(double curtains)
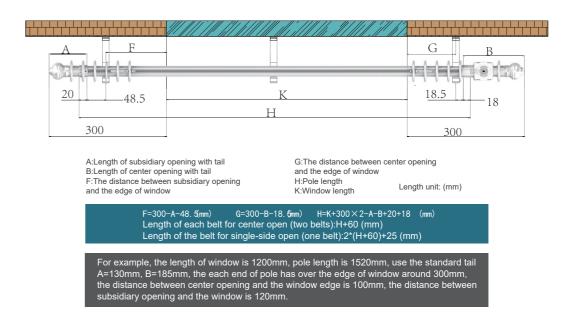
DIMENSION REQUIRE FOR INSTALL THE MOTORIZED ROME POLE SYSTEM

Full window

A

B

20

48.5

18.5

20

D

E

20

18

H

J

A:Length of subsidiary opening with tail
B:Length of center opening with tail
D:The distance between subsidiary opening and the wall

E:The distance between center opening and the wall
H:Length of the pole
J:Length of the wall

Length unit: (mm)

$D=A+20+48.5$ (mm)　　$E=B+20+18.5$ (mm)　　$H=J-20\times 2-A-B+20+18$ (mm)
Length of each belt for center open (two belts):$H+60$ (mm)
Length of the belt for single-side open (one belt):$2*(H+60)+25$ (mm)

For example, the length of wall is 3000mm, pole length is 2680mm, use the standard tail A=130, distance for each end of the pole, the distance between center opening and the wall is 220mm, opening and the wall is 200mm.

The window on the middle of the wall

A

F

G

B

20

48.5

18.5

18

K

H

300

300

A:Length of subsidiary opening with tail
B:Length of center opening with tail
F:The distance between subsidiary opening and the edge of window

G:The distance between center opening and the edge of window
H:Pole length
K:Window length

Length unit: (mm)

$F=300-A-48.5$ (mm)　　$G=300-B-18.5$ (mm)　　$H=K+300\times 2-A-B+20+18$ (mm)
Length of each belt for center open (two belts):$H+60$ (mm)
Length of the belt for single-side open (one belt):$2*(H+60)+25$ (mm)

For example, the length of window is 1200mm, pole length is 1520mm, use the standard tail A=130mm, B=185mm, the each end of pole has over the edge of window around 300mm, the distance between center opening and the window edge is 100mm, the distance between subsidiary opening and the window is 120mm.

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The window on the one side of wall

DIMENSION REQUIRE FOR INSTALL THE LIFT SYSTEM

A: Length of subsidiary opening and tail
F: The distance between subsidiary opening and the edge of window
H: Pole length
L: The distance between eindow edge to the side wall
Length unit: (mm)

F=300−A−48.5（mm） H=L+300−105−B+20+18（mm） Length of each belt for center open (two belts): H+60(mm)

For example, use the standard tails, the far edge of window to the side wall has 2000mm, pole length is 2100mm, A=130mm,B=185mm, the center opening beside the side wall, the uncover part is 300mm, the distance between the bracket near to center opening and the wall is 120mm, the distance between the bracket near to subsidiary opening and the window edge is 120mm
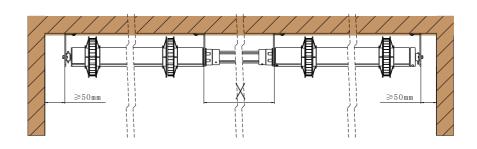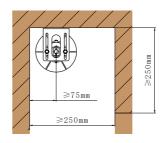
B: Length of center opening with tail
G: The distance between center opening and the edge of window
H: Pole length
L: The distance between eindow edge to the side wall
Length unit: (mm)

G=300−B−18.5（mm） H=L+300−A+20+18（mm） Length of the belt for single-side open (one belt): 2×（H+60）+25 (mm)

For example, use the standard tails,the far edge of window to the side wall has 2000mm, pole length is 2105mm, A=130mm,B=185mm, the subsidiary opening beside the side wall, the uncover part is 300mm, the distance between the bracket near to center opening and the window edge is 100mm, teh distance between the bracket near to subsidiary opening and the side wall is 70mm

Notice:
1.The distance between walls and the two ends of device should be more than 50mm.
2.The distance between the device and the back wall should be more than 75mm, the width and depth of curtain box should be more than 250mm.