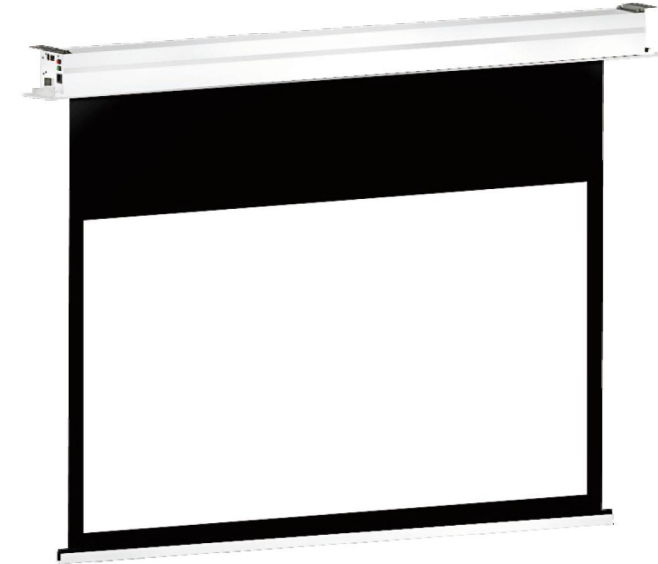
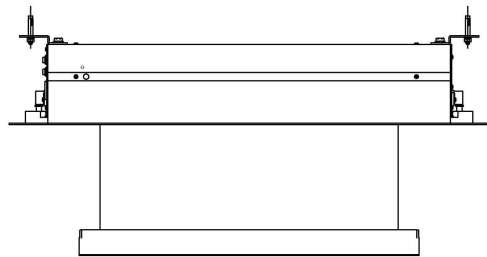


User Manual of Motorized Recessed In-Ceiling Projection Screen

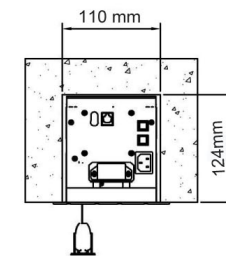


Note: Please follow the instructions in this manual and keep it for future reference.

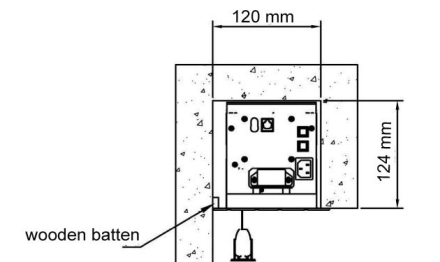
In-ceiling Motorized installation Way showing photo



shallow installation



standard shallow installation



shallow Mount close to the wall

Matters Needing Attention

Important Note

Warning Please observe the following instructions, as incorrect installation and improper use may lead to mechanical failure or personal injury.

Installation Notes

1. Please handle with care to avoid damage.
2. Do not use in a wet environment.
3. Keep away from fire/heat.
4. Do not attempt to service or modify this unit without professional assistance.
5. Make sure the voltage is consistent. Incorrect connection of wires may result in leaks or fires.
6. To avoid damaging the screen, do not fold the screen or touch the screen directly with your hands, tools, or any other abrasive/sharp object.
7. When not in use, retract the screen to protect the optical surface.
8. Do not run the screen continuously as the motor has an anti-overheating function and will shut down.
9. Keep the screen horizontally.



When installing or repairing please use a professional.



Please do not take off the head-caps to avoid electric shock.

- We will not be responsible for damages done due to user error or false operation.

Please do not adjust the limit by yourself

Cleaning

Do not use detergents or harsh chemicals to clean screen material. A soft cloth and mild soap can clean dust and dirt off the screen material. A cotton cloth can be used to gently wipe dust off of the screen.

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Introduction

Motorized Ceiling Recessed Screen

Elegant appearance can perfectly match the application environment; user-friendly separated structure; built-in patented anti-vibration block and super silent tubular motor can effectively reduce the noise by 80%; hidden elasticity design ensures the screen merge with the ceiling when not in use.



Fashionable and Practical

Excellent designs and stylish concepts make it fashionable and elegant. The both-side trim panels are installed with special design, easy to operate.

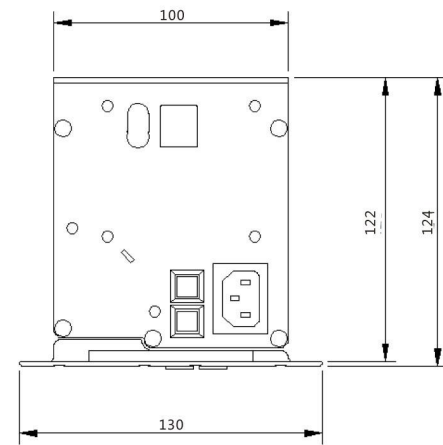
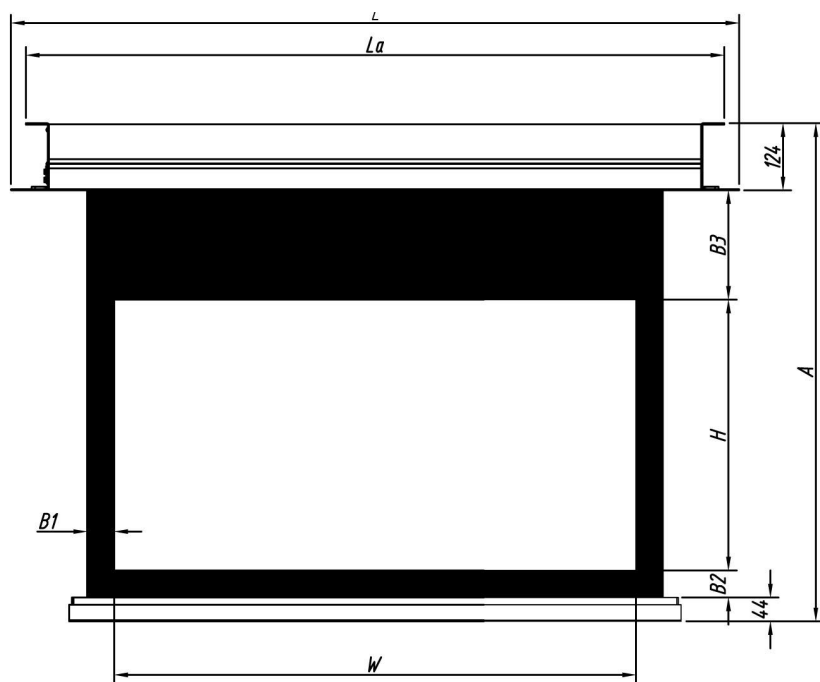


Remote Control
Transmitter

Notice: As for the shipping reason, so the remote control is without battery, pls buy the battery on your local store (battery name: CR2032)



screen Data



screen data

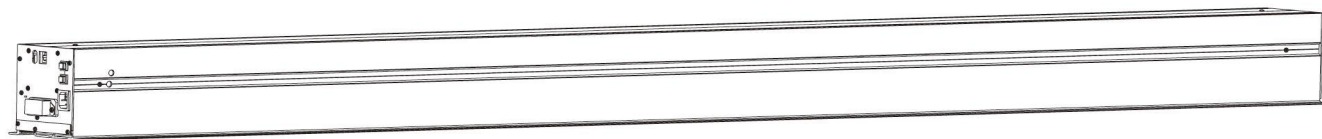
Format	Size	Projection area(mm)		Top black area B3(mm)	Screen total height A(mm)	Screen casing length L(mm)	Groove length (mm)	Groove width (mm)		Groove height (mm)	package size	Gross weight
		Width(W)	height(H)			Tab tension	Tab tension	general groove	shallow mount close to the wall	Standard shallow installation	Tab tension	
16:9	100inch	2213	1245	440	1901	2773	2748	110	120	124	288x22x23cm	22 KG
16:9	110inch	2435	1369	510	2095	2995	2970	110	120	124	311x22x23cm	24 KG
16:9	120inch	2656	1494	390	2100	3216	3191	110	120	124	333x22x23cm	26 KG
16:9	135inch	2988	1681	200	2097	3548	3523	110	120	124	367x22x23cm	28 KG

- 1) 16:9, 100i nch, La: 2713mm
- 2) 16:9, 110i nch, La: 2935mm
- 3) 16:9, 120i nch, La: 3156mm
- 4) 16:9, 135i nch, La: 3488mm

Installation

Part Included

Our company reserves the right to the accessories contained in this manual, and we are subject to change without notice.



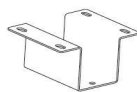
Screen(1)



User Manual(1 pcs)



Controller(1 pcs)
(Optional)



Ceiling Bracket (2 pcs)



Screen Bracket (2 pcs)



Anchor Bolt (8 pcs)



Spirit Bubble (1 pcs)



Adjustment Tool (1 pcs)



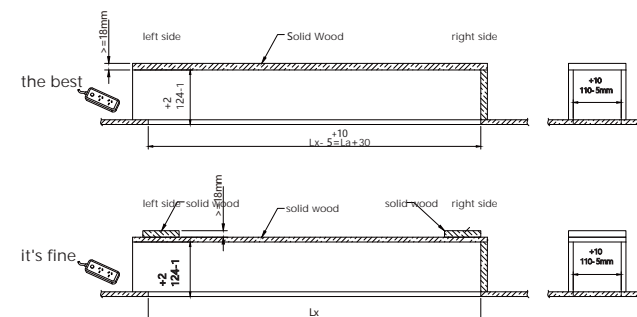
Threaded Mounting Rod (4 pcs)



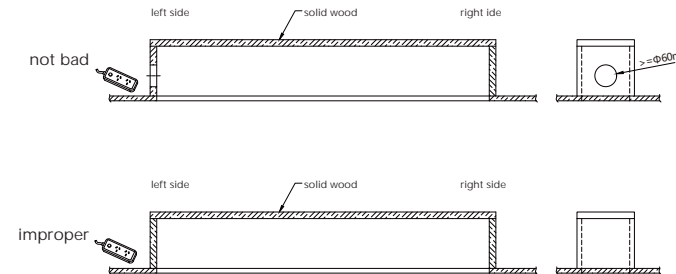
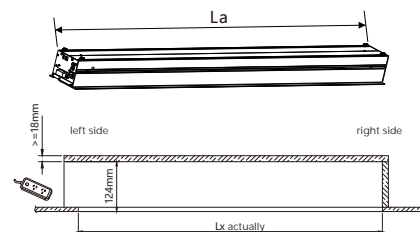
Hex Nut (12 pcs)

Installation (wooden ceiling mounted)

1. The wooden ceiling recommended Slotted way (reserved sockets/sockets on the left side)



2. Measure the total length of the screen housing-La and the actual size of the groove Lx actually



3. Compare the difference between Lx and La+30:

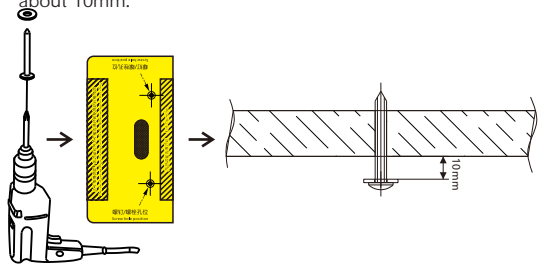
When $Lx > La + 30$, The top of the groove is scribed to the center, and the scribed distance is $La + 30$
When $Lx = La + 30$, ok

When $Lx < La + 30$, Cut the sticker to fit Apply the sticker to the top of the slot

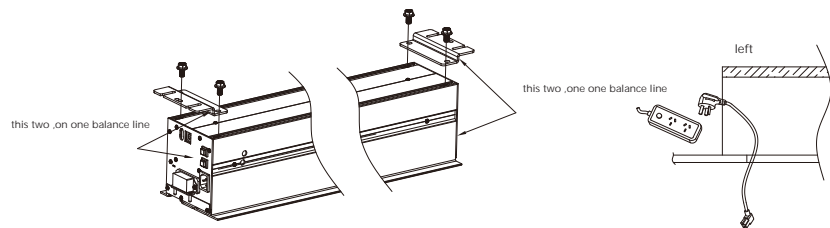


Installation (wooden ceiling mounted)

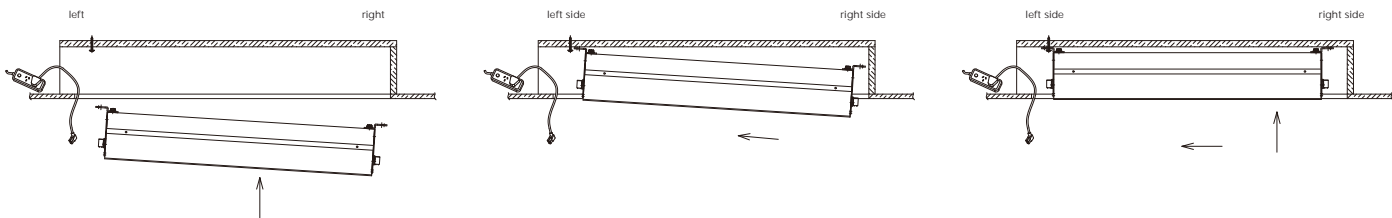
4. Drive 2 self-tapping screws + washers according to the sticker position at the left end of the slot, and make the spacer between the washers and the top of the slot about 10mm.



5. Install the mounting plate on the product, align and tighten the screws as shown on below photo, insert the plug into the row socket, and press the power switch on the row socket.



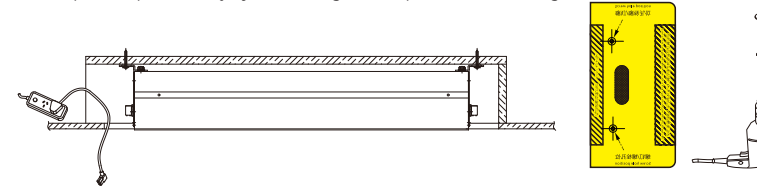
6. If it is a wooden ceiling, first fix the 2 screws on the left side, then lift the product up, insert the screws on the top of the ceiling slot obliquely into the opening slot of the left mounting plate and hang it, and support the right end as well.



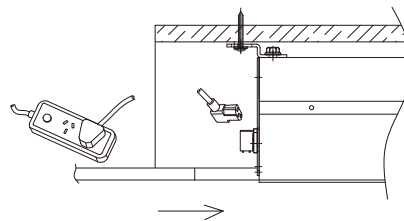
Installation (wooden ceiling mounted)

7. Adjust the position of the product so that the drilling position of the sticker on the right end is exposed in the opening groove of the mounting plate, align the drilling position, and insert the screw. lightly-tune the position of the product so that the screws are in symmetrical positions on the left and right, and tighten the 4 screws.

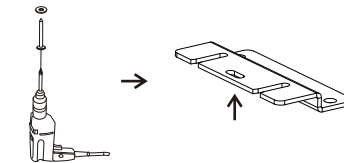
Warning: During the installation process, the product needs to be supported at all times to prevent personal injury and damage to the product from falling.



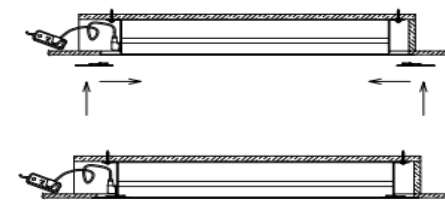
9. Connect the power cord (if there other requirements except the wireless remote control, the it may connect other control line)



8. As required, add screws to the middle of the left and right mounting plates to make the installation more stable and reliable.

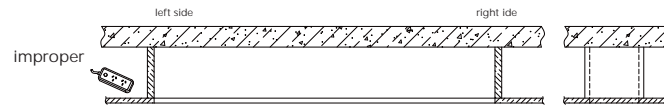
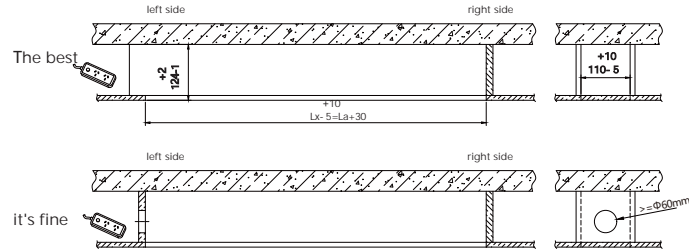


10.tidy the wiring, insert the left and right decorative panels, and the installation is complete.

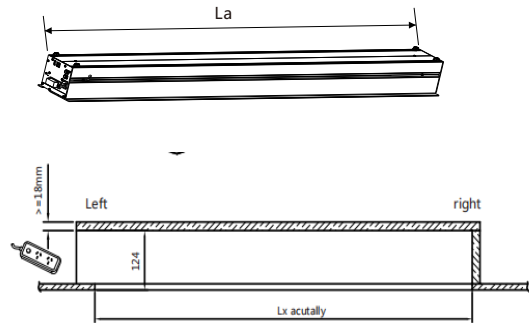


Installation (reinforced concrete ceiling installation)

1. The reinforced concrete ceiling recommend make groove way (reserved power sockets/power sockets on the left side)



2. Measure the total length of the screen housing-La and the actual size of the groove Lx actually

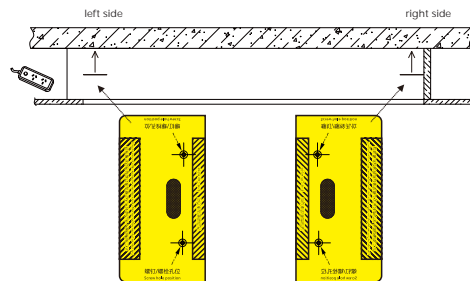


3. Compare the difference between Lx and La+30:

When $Lx > La + 30$, The top of the groove is scribed to the center, and the scribed distance is $La + 30$

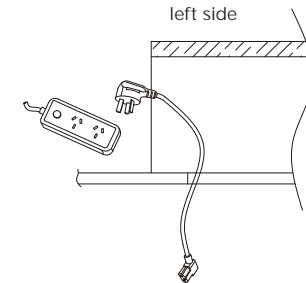
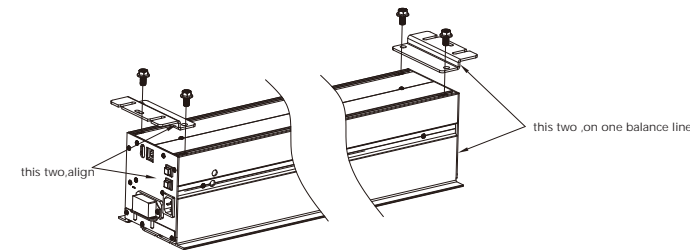
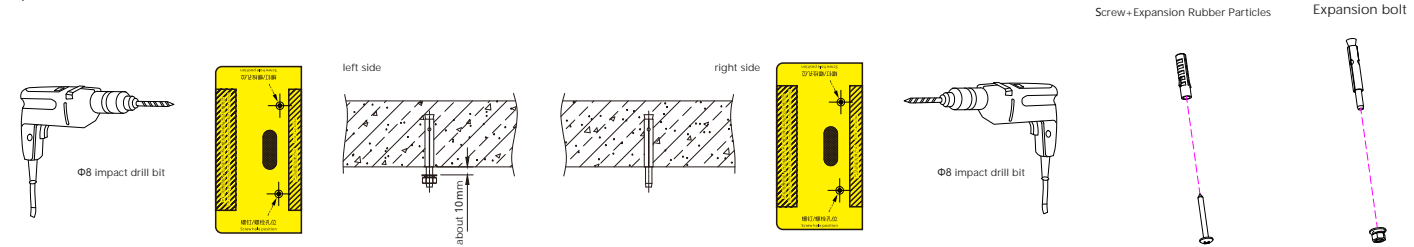
When $Lx = La + 30$, ok

When $Lx < La + 30$, Cut the sticker to fit Apply the sticker to the top of the slot



Installation (reinforced concrete ceiling installation)

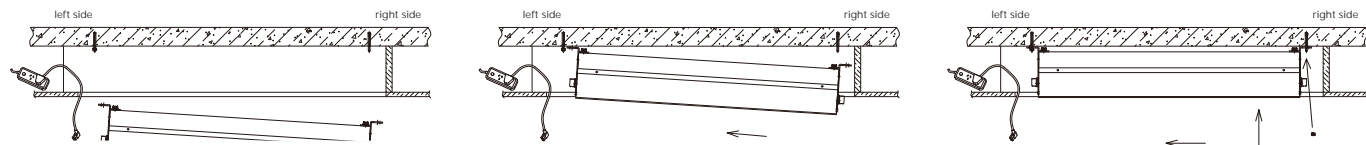
4. Drill 8 holes with an impact drill at the drilling position of the sticker, and then drive in M6 expansion bolts (or use screws + expansion rubber particles). Loosen the nuts on the two expansion bolts on the left so that there is a gap of about 10mm between the flat washer and the zenith. Insert the plug into the socket and press the power switch on the socket.



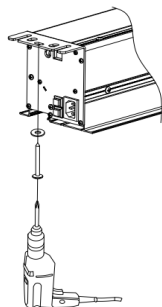
Installation (reinforced concrete ceiling installation)

7. If it is a cement ceiling, fix the 4 expansion bolts first, then lift the product, insert the screws on the ceiling slot into the opening slot on the left side and hang it, and support the right end. Screw in the flat washers, spring washers and nuts of the two expansion bolts on the right. Fine-tune the position of the product so that the screws are in symmetrical positions on the left and right, and tighten the 4 screw bolts.

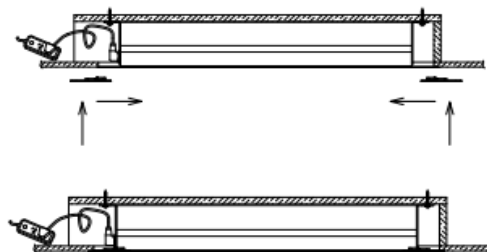
 Warning: During the installation process, the product needs to be supported at all times to prevent personal injury and damage to the product from falling.



9. According to the need, in the middle position of the left and right mounting plates. Add driving screws to make the installation more stable and reliable.



10. Tidy the wiring, insert the left and right decorative panels, and the installation is complete.



control Way

Motorized screen users can choose built-in wireless remote control/
wall-mounted wireless remote control/infrared remote control



Up

stop

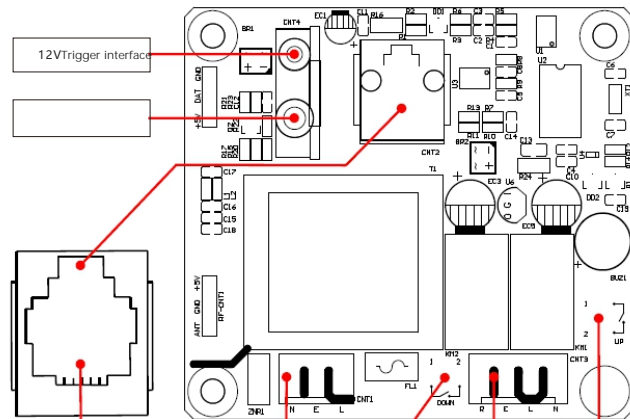
down

1. Press the "Down" button and the projection surface will lower itself. When it is fully extended it will stop automatically.

2. Press the "Up" button and the projection surface will retract into its case. When it is fully retracted it will stop automatically.

3. Press the "Stop" button to stop manually at an intermediate position.

Introduction of the interface of the built-in circuit board of the screen



6PCable interface
From left to right
1: RS485-B
2: RS485-A
3: Manual Uplink
4: Manual stop line
5: Manual downlink
6: Manual public line

Power line interface N: neutral line
E: ground wire
L: live wire

Emergency control downlink interface

(corresponding to motor end R)

Motor interface
R: forward/reverse line
E: ground wire
L: reverse/forward line
N: Neutral/Common

Emergency control uplink interface

(corresponding to motor end L)

control Way

Introduction of Different Control Mode

1 RF Remote Control
Control distance up to 50m, no limit to direction



2 IR Remote Control
Control distance 8m, limit to direction $\pm 60^\circ$



wall mounted remote
Remote control distance up to 50 meters, no direction restrictions



3 End Cap Control
Control distance 8m, limit to direction $\pm 60^\circ$



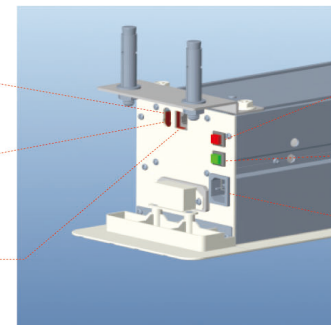
TRIC OUTPUT 12V Synchronous Trigger Interface



Computer
IR Control Interface



Central Control/Computer Interface
6P Network Cable Interface (RS485 & Dry Contact)



Manual control of UP

manual control of Down

Power interface

Remote Control

How to Program the Remote Control

1. Press the "Up" button for 3 seconds and plug in the receiver.

The receiver buzzer will ring which indicates pairing mode has been entered.

2. Stop pressing the "Up" button when the buzzer rings.

3. Press the "Up" button and then release. When the buzzer rings for 3 times quickly, the remote pairing function is complete.

DC/AC 12V Power Control

A. DC/AC 12V from off to on, the screen will lower itself automatically. B. DC/AC 12V from on to off, the screen will retract automatically.

C. Input Voltage Range: DC/AC 5V--DC/AC 20V

Central Control

A. RS485 port setting 1) Baud Rate: 2400

2) Data Length: 8

3) Odd-even Check: N

4) Start Bit: 1

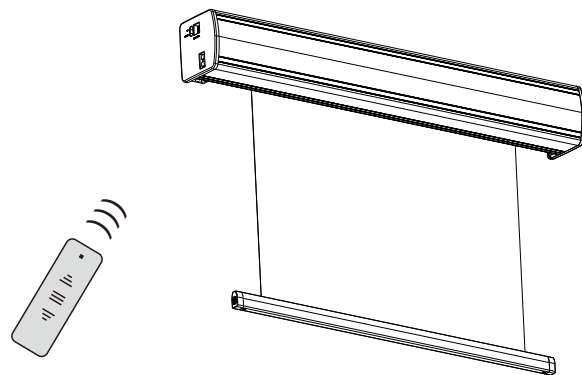
5) Stop Bit: 1

dry contact control

A. When the pulse signal of line 3+line 6 is connected, the motorized screen continues to rise.

B. When the pulse signal of line 4 + line 6 is connected, the electric curtain stops running.

C. When the pulse signal of line 5 + line 6 is connected, the electric screen continues to descend.



B. Control Code

1) "Up" Command: 0xFF 0xAA 0xEE 0xEE 0xDD

2) "Stop" Command: 0xFF 0xAA 0xEE 0xEE 0xCC

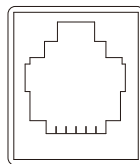
3) "Down" Command: 0xFF 0xAA 0xEE 0xEE 0xEE

C. Function Control

1) "Up" Command: The screen will go up.

2) "Stop" Command: The screen will stop.

3) "Down" Command: The screen will go down



6P network cable interface, from left to right

1、 RS485-B 2、 RS485-A 3、 Manual Up line

4、 Manual stop line 5、 Manual downlink 6、 Manual public line

Common Faults and Maintenance

How to Check and Remove the Fault

How to Check and Remove the Fault

Fault	Analysis	Solution
Indicator light of the transmitter flashes but the receiver doesn't respond.	1. Check the wiring is connected correctly or not. 2. Check the transmitter is coded or not.	A. Connect the wire based on the manual B. Match code between the transmitter and the receiver
The transmitter and the receiver work properly but the motor doesn't work.	Check the motor wiring is connected or not.	Connect the wire based on the manual
Remote control is not sensitive or has no response.	Check the batter of the remote controller has run out of power or not.	Replace a new battery