Grandview

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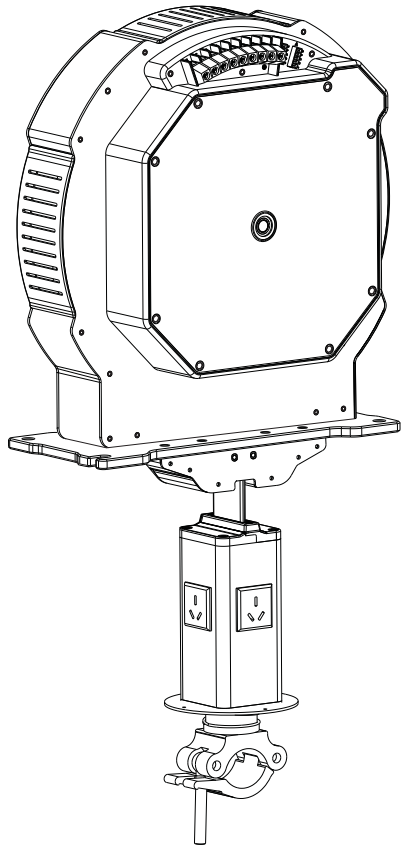
ISO9001：2000国际认证

Grandview

Motorized Cable Manager Manual

Model : GSPC 12



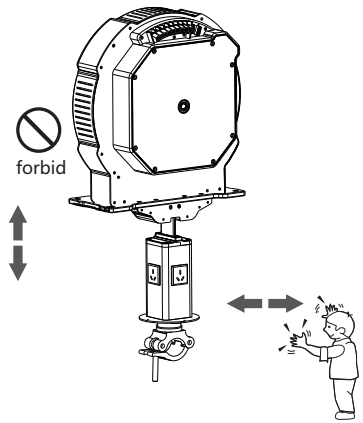
Thank you for purchasing this product, please read instructions carefully before using. After installation, store instructions for future reference.

Important safety instructions

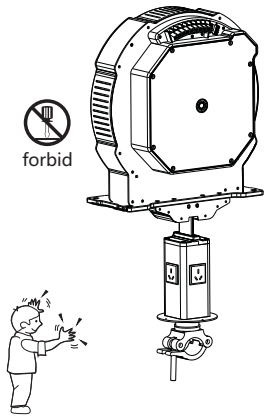
Attention: To reduce the risk of fire or electric shock, do not expose the product to rain or moisture.

- Please read through this manual before installation and use, and follow the instructions to avoid any damages .
- Keep away from heat sources such as radiators, heaters, stoves and other equipment (including loudspeakers).
- Can connect the power plug with a grounding wire Only.
- Require to use the accessories which are supplied by the same supplier only.
- Please unplug the power cord in case of lightning storm or when the product is not used for a long time.
- Please contact us for after-sales service of installation and repair.
- Do not install the product in a location where is wet or likely to splash by warter.
- Please use an approved power cord (3-core power cord) / device interface / plug, the grounding plug should comply with the applicable national safety regulations.
- Please use a power cord (3-wire cable)/device/interface/plug that meets the specified rating (voltage, current).
- If you have questions about the use of the above power cord/device interface/plug, please contact a qualified service technician.
- An easy-to-use power-off device in the fixed wiring should be configured when installing this product, or connect the power plug to an electrical outlet that must be close to the product and easy to use. If a malfunction occurs, you can turn off the power to disconnect the product or disconnect the power plug.
- The installation position should have sufficient mechanical strength, and the load-bearing requirements should be able to bear 4 times of the product's weight. Otherwise, an accident may occurs or the lifting rigging point may fall off.

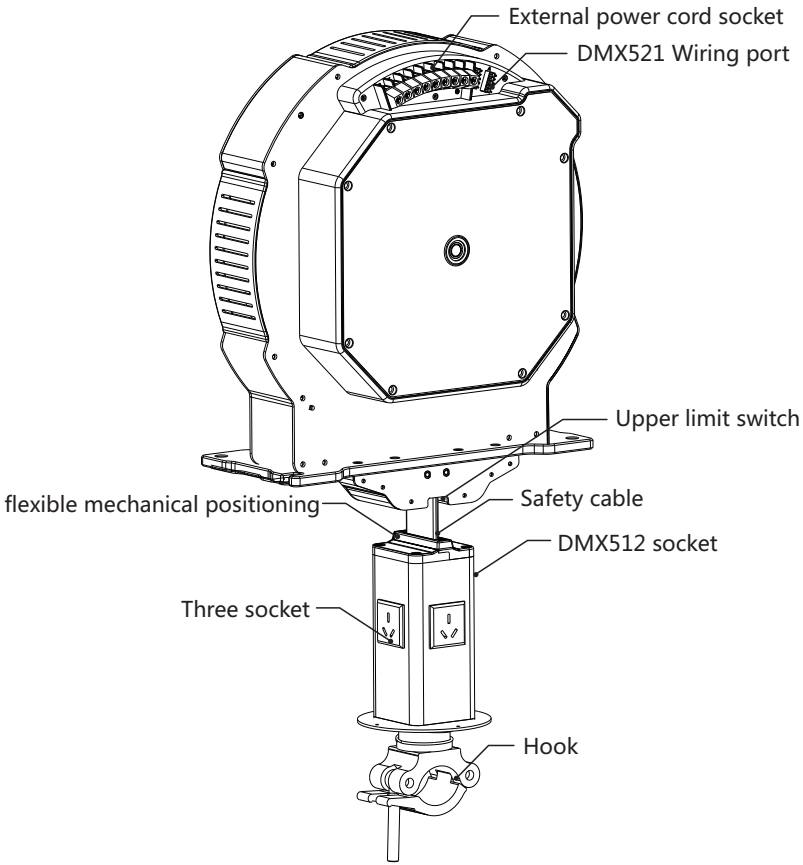
● Do not tie a knot on cable



● Do not disassemble



Product Structure



Standard Accessory

- 5-core DMX12 plug x 1

- Truss hook x 1

- Light scale x1

- Decoration plate x 1

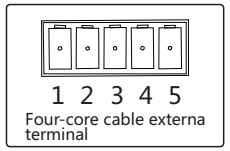
- Power cable x 1

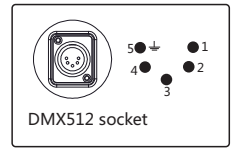
- M10 explosion screw x 4
- warranty card and Certification
- Manual

Optional accessory

- Ac097 remote

- wall switch





2

	Aerospace plug	External terminal
Wiring port	1	1
Wiring port	2	2
Wiring port	3	3
Wiring port	4	4
Wiring port	5 Ground wire	5 Ground wire

You can connect their ports autonomously according to your needs by using DMX 512 5-core communication cable.

[Warning]: When connecting the power cord and installing the power supply, be sure to operate it by a qualified electrician to avoid accidental product damage and personnel damage!

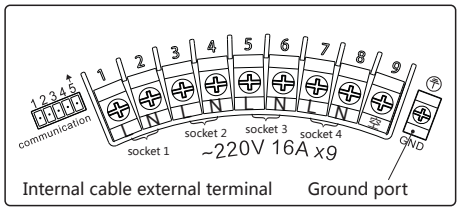
After setting the group code and bit code, please refer to the control code shown below in the code list. The baud rate is 99600, and the hexadecimal code is issued. 0000 000 is the group control code, so the hanging point should be set to a group code other than 0000 000 with bit code.

example

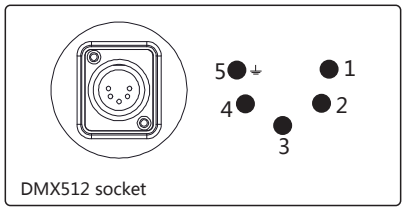
control code

Bit code	group code	0000	0001	0010
000	Up	F6 00 00 07 FD	F6 01 00 07 FE	
	down	F6 00 00 09 FF	F6 01 00 09 00	
	stop	F6 00 00 08 FE	F6 01 00 08 FF	
001	Up	F6 00 01 07 FE	F6 01 01 07 FF	
	down	F6 00 01 09 00	F6 01 01 09 01	
	stop	F6 00 01 08 FF	F6 01 01 08 00	
010	Up	F6 00 02 07 FF	F6 01 02 07 00	
	down	F6 00 02 09 01	F6 01 02 09 02	
	stop	F6 00 02 08 00	F6 01 02 08 01	
011	Up	F6 00 03 07 00	F6 01 03 07 01	
	down	F6 00 03 09 02	F6 01 03 09 03	
	stop	F6 00 03 08 01	F6 01 03 08 02	

Power cable and signal line connecting diagram



Internal cable external terminal Ground port



DMX512 socket

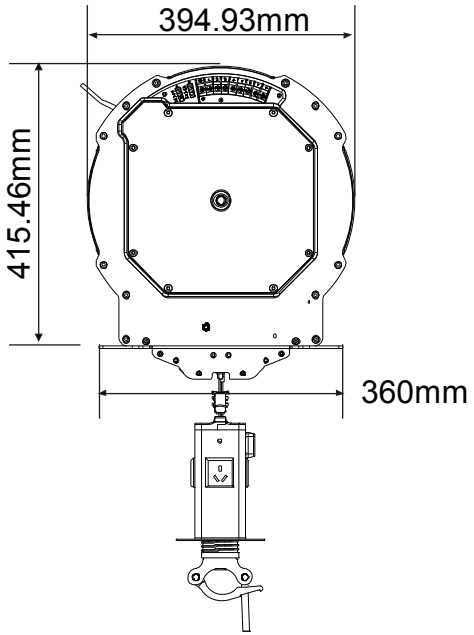
sheet-1

	External terminal	socket
Wiring port	L	socket 1
Wiring port	N	
Wiring port	L	socket 2
Wiring port	N	
Wiring port	L	socket 3
Wiring port	N	
Wiring port	L	socket 4
Wiring port	N	
Wiring port	9	
Ground wire ⏚	Ground wire	

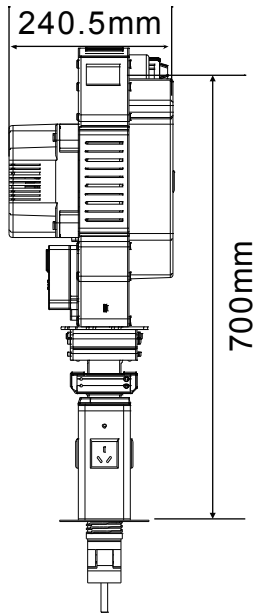
Please refer to sheet-1 when you accesses the power cord. The wiring port required to be connected corresponding, so as to avoid the short circuit of the wire and damage of the product.

SPECIFICATIONS

GSPC 12 size :



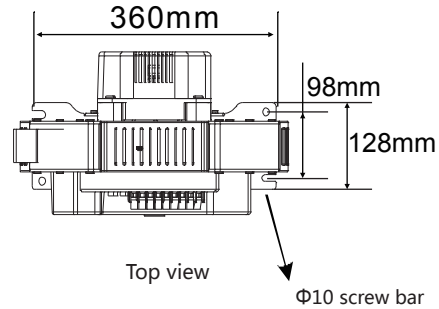
Front view



Side view

GSPC 12 Specification :

Name： Motorized cable manager
Model : GSPC12
Product size : W264 x D405 xH705mm
Slot size : 360mm x 98mm
Ceiling Install hole size : ϕ 205mm
Maximum travelling distance : 12000mm
Input voltage: 220V
Rated power : 80W
Minimum speed: 3m/min
Control method: RS485、dry-contact、wireless
Cable manager interface: Aerospace plug,
AC250V/16A socket (4pcs), DMX512 5-core interface



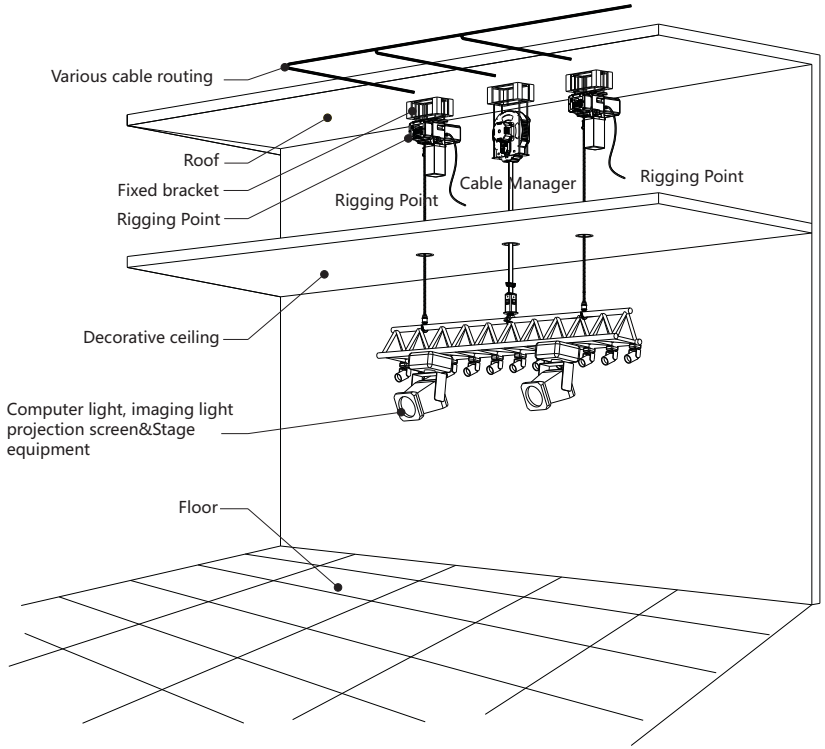
Top view

Φ10 screw bar

Installation instructions

This product is suitable for installation in various ceilings. This manual uses the installation method of grille ceiling as an example. Please install according to different installation environment This product should be installed in the best projection position. Proper installation will make the product more convenient and safer during use. Open the box, check that the parts are complete, and then take them out and place them in the appropriate place. Follow the instructions below.

* For the safer and more convenient use of the product, please read the installation part of this manual completely, and choose the most suitable installation method according to your actual situation!



(Ceiling recessed electric lifting series installation diagram, GSPC 12 non-load bearing products, the maximum can only bear 8Kg.)

Remark
1.If you choose wall control switch control , please connect to the dry contact port
2.If you choose the computer central control, please connect to the RS485 port
3.The hook must be vertical

Group code and bit code setting

When using RS485, the group code and bit code must be set to non-zero, that is, at least one bit must be set to "ON" . When several devices are used to hang the same device (truss or secondary lifting screen, etc.) The controller group code of the device must be the same, but the bit code must be different. The bit code is used to distinguish which control device is used. The bit code is allocated by the customer or set by the engineer. When a place (such as the same When there are several sets of equipment in the banquet hall and the same conference room, the group code must be set differently.

Rs485 protocol
Serial port setting - baud rate 9600, 8 data bits, no parity, 1 stop bit
1. Protocol format (hexadecimal):
Header (F6), group code, bit code, instruction code,
Check (single byte)
Check = header + group code + bit code + control command

Hanging client device Normal control	07	Ascending, the adaptive rigging point device performs the ascending operation (the cable is closed when the cable is loose, and the wire is stopped when it is tightened)
	08	Decline, the adaptive rigging point device does the down operation (the line is protected when the cable is tightened, and the line is stopped when it is loose
	09	Stop, the device will stop running when it is received

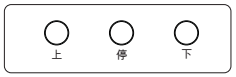
Rs485 bit code dialing value

Bit code			Code value
The first one	Second	Third	Hexadecimal
OFF	OFF	OFF	00
ON	OFF	OFF	01
OFF	ON	OFF	02
ON	ON	OFF	03
OFF	OFF	ON	04
ON	OFF	ON	05
OFF	ON	ON	06
ON	ON	ON	07

RS485 group code dialing code value

Bit code				Code value
The first one	Second	Third	Fourth	Hexadecimal
OFF	OFF	OFF	OFF	00
ON	OFF	OFF	OFF	01
OFF	ON	OFF	OFF	02
ON	ON	OFF	OFF	03
OFF	OFF	ON	OFF	04
ON	OFF	ON	OFF	05
OFF	ON	ON	OFF	06
ON	ON	ON	OFF	07
OFF	OFF	OFF	ON	08
ON	OFF	OFF	ON	09
OFF	ON	OFF	ON	0a
ON	ON	OFF	ON	0b
OFF	OFF	ON	ON	0c
ON	OFF	ON	ON	0d
OFF	ON	ON	ON	0e
ON	ON	ON	ON	0f

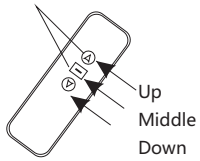
Device learning control:



Press and hold the up button for 5 seconds to enter the reset state. At this time, the device needs to touch the upper limit switch to stop.

Press and hold the stop button for 3 seconds, the transmitter enters the learning state, and the transmitter presses the middle button and the up button to learn; long press the middle button and the up button for 6 seconds to clear the transmitter.

Long press the two buttons to enter the learning state

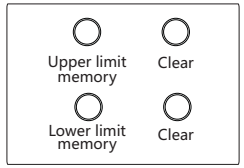


After the internal network cable is connected, press the down button for 3 seconds and the device appears 6666. The machine is the same group host. The host must meet two conditions at the same time:

1. The internal network cable needs to be connected to this device;
2. The bit code must be in the bit code position as shown on the right.

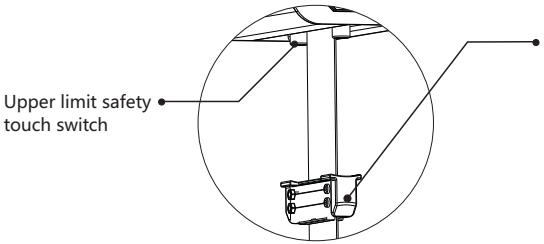
(If the user has doubts about the internal network connection, you can call the after-sales service after the instruction manual)

Electronic positioning:



Upper limit memory: long press this button for 3 seconds, the product memory current upper limit position.
Clear: Press and hold for 3 seconds to clear the upper limit memory.
Lower limit memory: long press for 3 seconds, product memory current lower limit position
Clear: long press for 3 seconds to clear the lower limit memory

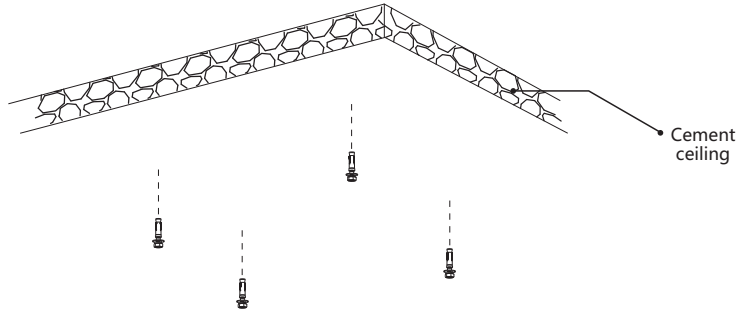
Mechanical positioning:



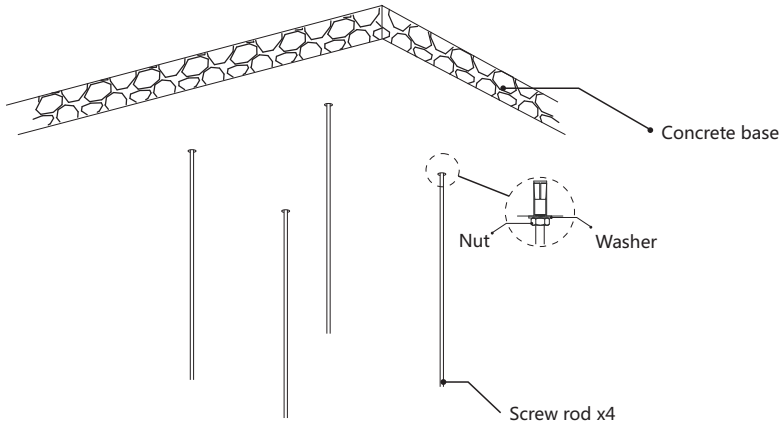
When the movable mechanical positioning device touches the upper limit safety touch switch, the device will stop operating. In the idle state, it is necessary to ensure that the positioning is stable.

Installation steps

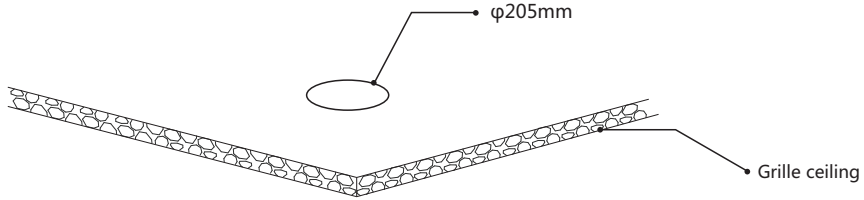
1、Determine the installation location of the product, install the expansion screw in the ceiling of the cement ceiling
Screw rod size：330mm x 126mm



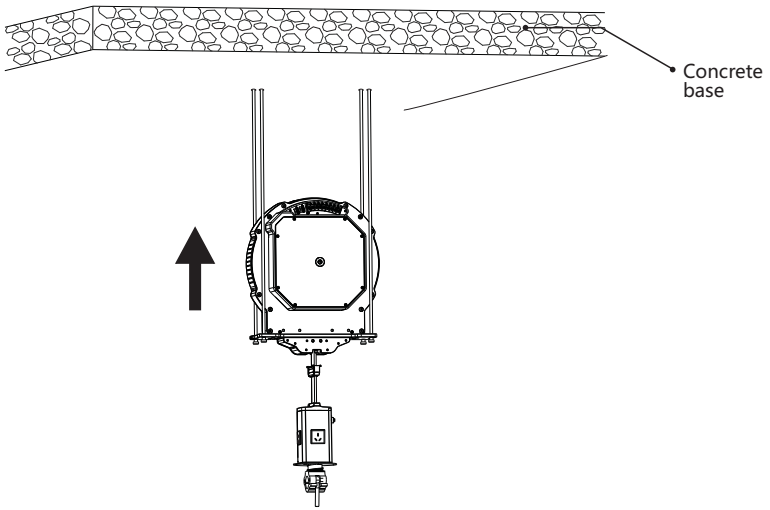
2、Install the screw rod in the right position



3、Grille ceiling opening
Ceiling install hole size：ϕ205mm

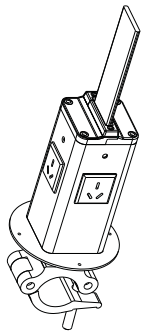


4. Pass the screw through the screw rod' s hole of the product and tighten the screw rod with a nut.



5. Adjust the cable manager to keep the device in a horizontal state, the cable is in the middle of the ceiling opening, and the cable cannot be scraped to the device outlet

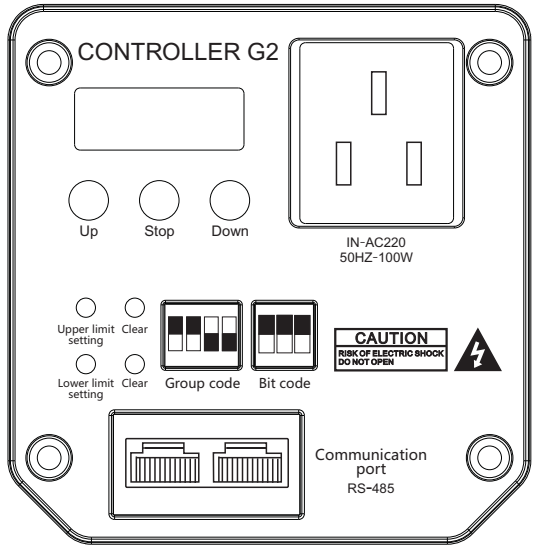
6. Install the ceiling decorative plate and screw the matching screws.



7. Initial power-on, determine whether the upper limit and the upper stop down are normal, then perform electrical debugging.

Installation test

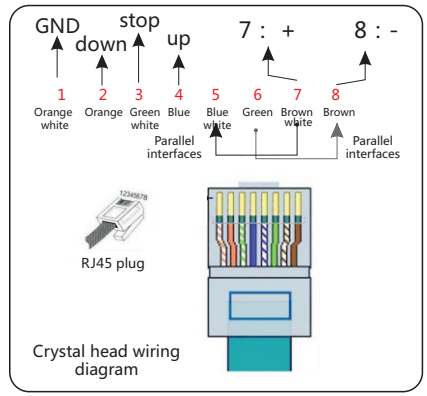
Control panel button description



Rs485 communication port:

1、Connect to the computer central control, the two interfaces are parallel interfaces.

2、The two ports A and B are parallel interfaces, of which 5 feet are the same as 7 feet; 6 feet are the same as 8 feet.



Group code:
When using RS485 control, the same group code is used for the lift of the same group control group.

Bit code:
different lifts in the same group code are controlled by bit code