

GSPC 12

Synchronized Cable Management

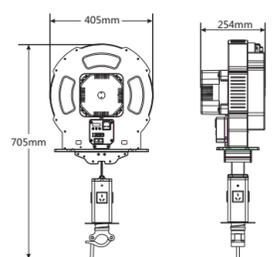
Max Current 60A	Travel Distance 12M(standard)	Speed 4m/min	Voltage 220V
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GSPC series Cable Manager can work independently and also be equipped with GSRT rigging point system to control audiovisual equipments for a completed solution. Excellent cable release and retraction movement. It can be matching with other equipments up to 4m per minute speed limit.

High ceiling application, suitable to control the stage lighting, speakers under long distance power and signal connection. Professional cable mangment design for anti-slip mechanism and spring recoil adapter to prevent cable damage during operation.

Main features

- Power Interface**
4x16A power socket (2.5 square wire)
2x5 pin DMX512 interface.
- Speed control method**
Auto-adjusted motor speed <4m/min.
- Top and bottom limit setting**
To avoid over limit adjustment.
- Max tension for cable**
8kg
- Built in Sensor**
Travel distance setting.
- Optional Accessories**
Wireless remote Controller;
It is designed for emergency safety application.
- Cable anti-slip mechanism**
To avoid cable damage under large force condition.
- Certification**
GB5226.1:2016/CE
EN 60204-1:2006+ A1:
2009+ AC:2010
- Mechanical dual limit setting**
To avoid over limit adjustment.
- Control methods**
Low voltage control, RS485 control.



TTL
by Grandview

COMMERCIAL INTELLIGENT RIGGING SYSTEM



Intelligent Chain Hoist

K3 Series

Lifting Dist.: 12M Speed: 1.8-3.6M/Mins Rated Loading: 250-500kg

C3 Series

Lifting Dist.: 12M Speed: 3.6-7.2M/Mins Rated Loading: 125-500kg

CSPC12 Synchronized Cable Management

Travel Dist.: 12M Speed: 4M/Mins. Eletric Capacity: 60A

Wireless Safety Management Controller

Remote Control Dist. : 100M

Wireless Safety Management Controller

Wireless remote Controller is for emergency safety control application. Before the rigging systems can be put into action, the in site adminstrator needs to assign permission via the controller. It serves as an emergency control tool for adminstrator in site to stop any improper movement on all rigging systems. It complied with the (JB/T 8437-2-16 standard) for the on-site safety requirement.

Main fuction
Auto channels switching; Signal transfer less than 0.15 second; Active emergency stop less than 0.5 second; Passive emergency stop less than 0.9 second; 100M remote control distance.

- GWE16 controller:**
Control 16 group;
Power 3V, AAX2;
Transmit power <10dBm;
- GWR04 receiver:**
Control interface (4 set, <10A each);
Power AC220V;
Receiving sensitivity: 110dBm;



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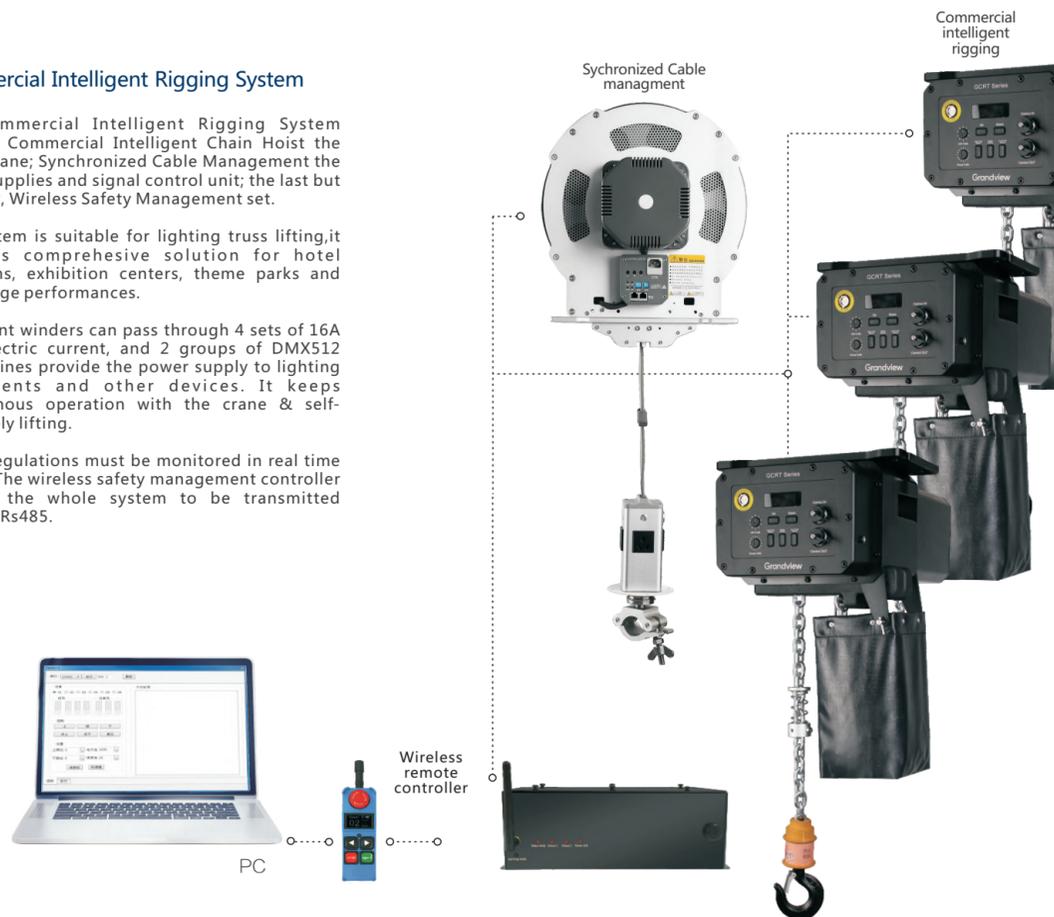
Commercial Intelligent Rigging System

Our Commercial Intelligent Rigging System includes Commercial Intelligent Chain Hoist the lifting crane; Synchronized Cable Management the power supplies and signal control unit; the last but not least, Wireless Safety Management set.

This system is suitable for lighting truss lifting, it provides comprehensive solution for hotel ballrooms, exhibition centers, theme parks and large stage performances.

Intelligent winders can pass through 4 sets of 16A each electric current, and 2 groups of DMX512 control lines provide the power supply to lighting equipments and other devices. It keeps synchronous operation with the crane & self-adaptively lifting.

Safety regulations must be monitored in real time on site. The wireless safety management controller enables the whole system to be transmitted through Rs485.



K3 series

Commercial Intelligent Chain Hoist

Rated Loading 250-500kg	Lifting Distance 12M(standard)	Speed 3.6-7.2M/min	Voltage AC220V
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Using frequency conversion technology, constant speed drive, Multiple groups, efficient synchronization, suitable for hotel ballrooms, multi-function conference centers and so on. Users can control different speeds of each rigging system through PC programming to create a changing stage effect. The rigging system comes with Grandview self-developed wireless remote controller which can provide a better safe protection regardless of remote control or on-site control.

Main functions

Inbuilt inverter circuit

Can be variable speed or constant speed to ensure that heavy loads and loads are consistent.

Inbuilt control system

Can be remote controlled via Rs485.

Low-voltage control

Use weak dry contact control.

Double brake system

Heavy duty DC electromagnetic brake, safe and durable;
Electronic brake, smooth brake.

Gear (transmission equipments)

Precision spiral helical gearbox with full load operation noise as low as 68db.

Overload protection

Electronic current limiting overload protection design, limit not exceeding 20% of rated weight, prevent extreme overload, effectively avoid the danger caused by overload.

Incremental encoder

Provide timely feedback to the control system to form closed-loop detection;
Provide data to create a changing stage effect. Feel free to set the stroke positioning.

Mechatronic double limit switch

Adjustable limit switches allow the rigging system to rise or fall;
Automatic stop at any predetermined position during the process to prevent overtravelled.

Work intensity

Industrial grade motors are more suitable for high strength applications, ISO-M5/FEM-2M+ intensity rating, 50% power retention or 300 repeated number of starts per hour.

Lifting chain

G80 lifting chain, 6 times safety factor.

Protection level

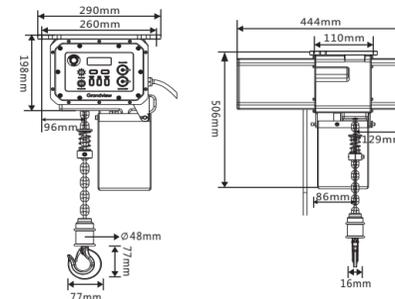
IP54

Light weight and durable casing

Cast aluminum and aluminum profiles.

Certification

JB/T5317-2016



K3 rigging system specifications

Model	Rated loading (kg)	Lifting speed (standard) (m/min)	Lifting speed (adjustable) (m/min)	Motor Power (KW)	Working level		Full load current(A) 220-3-50	Number of lifting chains	Sizes of lifting chains (mm)	Net weight of lifting chains (Per meter) (kg)	Net weight of rigging system (kg)	Noise level
					ISO	FEM						
GCR 5012	500	3.6	2~5	0.4	M5	2M+	2.63	1	6*18	0.8	28	68db
GCR 2512	250	4	3~6	0.2	M5	2M+	1.65	1	6*18	0.8	26	68db
GCR 2512F	250	7.2	4~10	0.4	M5	2M+	2.63	1	6*18	0.8	28	68db

C3 series

Commercial Intelligent Chain Hoist

Rated Loading 150-500kg	Lifting Distance 12M(standard)	Speed 1.6-3.8m/min	Voltage 220V
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The C3 has all the features of common hoist and more. It can lift up to 500kg, suitable for hotel banquet hall, multi-function conference center, etc. With frequency conversion technology, constant speed design, universal installation, wireless administrator control system, Grandview C3 combines safety and efficiency. It is ideal for your integration needs, you can control all the hoist by programming, and Perform tricks in stage, create a fancy effect with lighting and sound.

Basic Features

Inbuilt frequency conversion circuit

Either Variable speed control or Constant Speed, ensure lifting going smoothly up and down.

Inbuilt Integration System

With RS485 port, connect the third party device and PC via Programming.

Low Voltage Control System

Direct or Contactor Control.

Double Braking System

Mechanical Braking System (Safety and Durability);
Electronic Braking Systems (Smoothly Control).

Precise Gear Drive System

With Spiral Gear-Box design, ensure operation noise lower than 68db.

Overload protection

With electronic overload protection design, 20% over load limit setting that prevents lifting or pulling damaging loads beyond the rated capacity of the hoist.

Incremental encoder Design

Providing timely feedback to the control system, giving closed-loop detection;
To send data for creating fancy stage effect;
To Setup Positioning.

Mechatronics Limit setting System

With mechanical Switch to setup default positioning;
Accurate positioning ensure over travelling.

Universal Installation

Upside down mounting supported.

Light and compact Casing

Equipped with Aluminium composite material or Cast Aluminium.

Durability

Equipped with industrial-grade motor ensure intensive operating;
ISO-M5 / FEM-2M+ Grade;
Ensure 50% energize rates and 300times repeat in 1 hours.

Safety Material

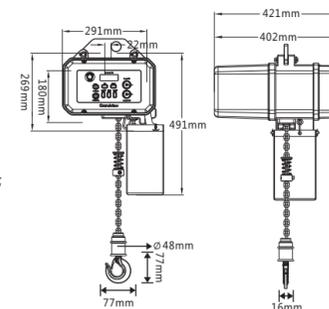
With G80 Lifting chain to ensure 6:1 Safety Factor.

International Protection Marking

IP54

Certification

Comply with JB/T5317-2016



C3 rigging system specifications

Model	Rated loading (kg)	Lifting speed (standard) (m/min)	Lifting speed (adjustable) (m/min)	Motor Power (KW)	Working level		Full load current(A) 220-3-50	Number of lifting chains	Sizes of lifting chains (mm)	Net weight of lifting chains (Per meter) (kg)	Net weight of rigging system (kg)	Noise level
					ISO	FEM						
GC 3500S	500	1.8	1.2~2.4	0.2	M5	2M+	1.65	1	5*15	0.5	24.5	68db
GC 3250	250	3.6	2.4~4.8	0.2	M5	2M+	1.65	1	5*15	0.5	24.5	68db
GC 3250S	250	1.8	1.2~2.4	0.1	M5	2M+	1.2	1	5*15	0.5	23	68db
GC 3150	150	2.7	1.9~3.5	0.1	M5	2M+	1.2	1	5*15	0.5	23	68db