

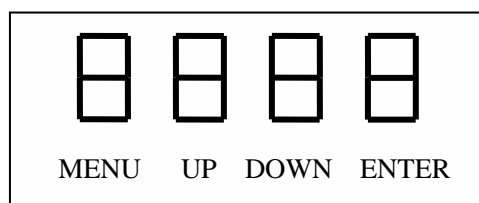
# Lifting System

## Brief Manual

### Display and Touch Buttons

Press MENU to start setting or returning to the upper option;

Press UP/DOWN to browse into the menu options or to adjust the values; Press ENTER to confirm or enter a sub-option.



### Operation instructions

Option	Sub-option	Value	Functions
Addr		001-512	To set the DMX address code of the unit
rESt	ALL	SurE Æ Strr	To reset all functions
	int	SurE Æ Strr	To reset the motor(s) only
	FACt	P234	To recover the factory settings
ConF	MOdE	7CH/8CH	To set the unit in 7CH or 8CH mode
	nSiG	Crdt/HdLE	To clear all outputs after 2 seconds (Crdt) or to hold the last DMX value before the DMX is off (HdLE).
inFO	CHnL	1rEd	CH1 Red dimmer
		2Grn	CH2 Green dimmer
		3bLU	CH3 Blue dimmer
		4diM	CH4 Master dimmer
		5FSH	CH5 Strobe
		6tiL	CH6 Lifting
		7SPd	CH7 Lifting speed, not available in 7CH mode
		8CtL	CH8 Control. In 7CH mode, it shows as “7CtL” in CH7.
	V101		Firmware version
diSP	dMod	ALon/dYoF	To set the display always on (ALon) or automatically off after 5 seconds idling (dYoF)
ModE	DMSG	rECE	To set the unit in DMX mode
	MPro	MPr1	The master unit starts auto testing
	SPro	Spr1	The slave unit starts auto testing
	MuSi	M-oF/M-on	To set the music mode on or off (available soon)

Note: The functions in grey are for a LED color sphere, which should be purchased separately.

## DMX Chart

Channel	Value	Functions	
CH1	0	Close	
	1-255	Red dimmer	
CH2	0	Close	
	1-255	Green dimmer	
CH3	0	Close	
	1-255	Blue	
CH4	0-255	Master dimmer	
CH5	0-9	Disable CH1-CH4	
	10-19	Enable CH1-CH4	
	20-209	Strobe, slow Æ fast, enable CH1-CH4	
	210-255	Enable CH1-CH4	
CH6	0	When CH8=0, the cord wheel will keep locked.	
	1-255	Lifting from top to bottom	
CH7*	0-255	Lifting speed, fast Æ slow (Unavailable in 7CH mode)	
CH8**	0	When CH6=0, the cord wheel will keep locked.	
	1-239	Unlock	Before operating CH6, unlock should be implemented; And, to reach the perfect effect, the unit need to reset twice: Once when power is on; Another at CH8=(240-245).
	240-245	Reset	
	246-255	Unlock	

\* The lifting speed channel is unavailable in 7CH mode;

\*\* The unlock/reset channel will be the 7<sup>th</sup> channel in 7CH mode.

Note: The function channels in grey are for a LED color sphere, which should be purchased separately.

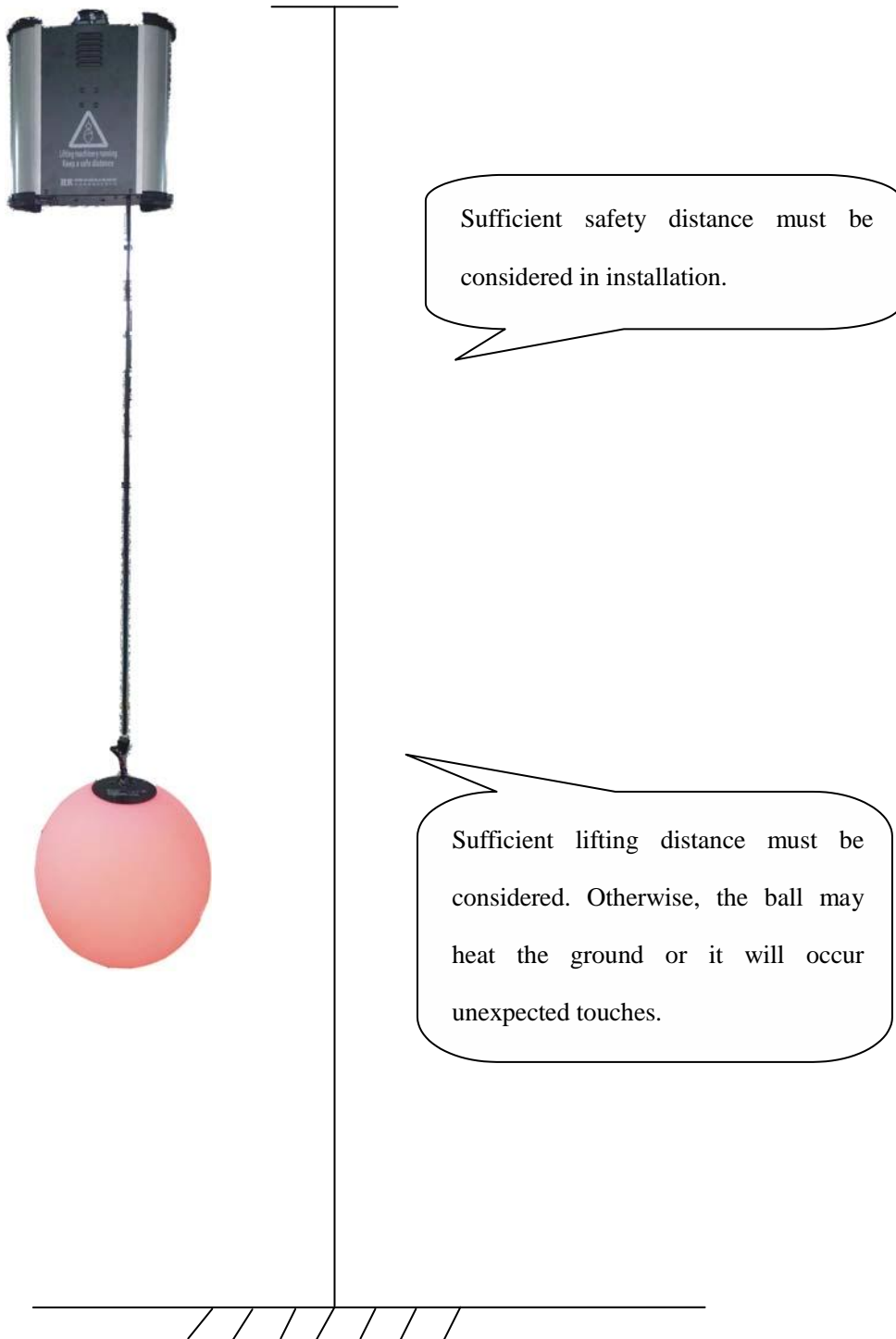
## IMPORTANT!!!

**Please DO NOT run the machine before the payload is properly applied! If the hoist is powered off in a DMX mode, you must set both CH6 and CH8 (8CH mode) or both CH6 and CH7 (7CH mode) to 0 on the connected DMX controller before turning on the power of the hoist again; After turning on the power of the hoist again, the unit needs to be reset twice: Once when power is on; another reset at CH8=(240-245) (8CH mode) or CH7=(240-245) (7CH mode). Otherwise, the hoist may run in error.**

All information is subject to change without prior notice.

## Warnings

Please keep sufficient safety distance and lifting distance in installation





Hoist



LED Color Sphere

### Basic configuration of LED color sphere with lifting system

#### Optional accessories (sold separately)

Clamp



XLR cable for DMX



Safety Rope



#### Installation

Step 1: Attach the clamp to the hoist

Step 2: Hang the hoist on the truss, fasten the clamp and correctly use the safety rope



Step 3: Attach the LED color sphere to the hoist



## Cautions

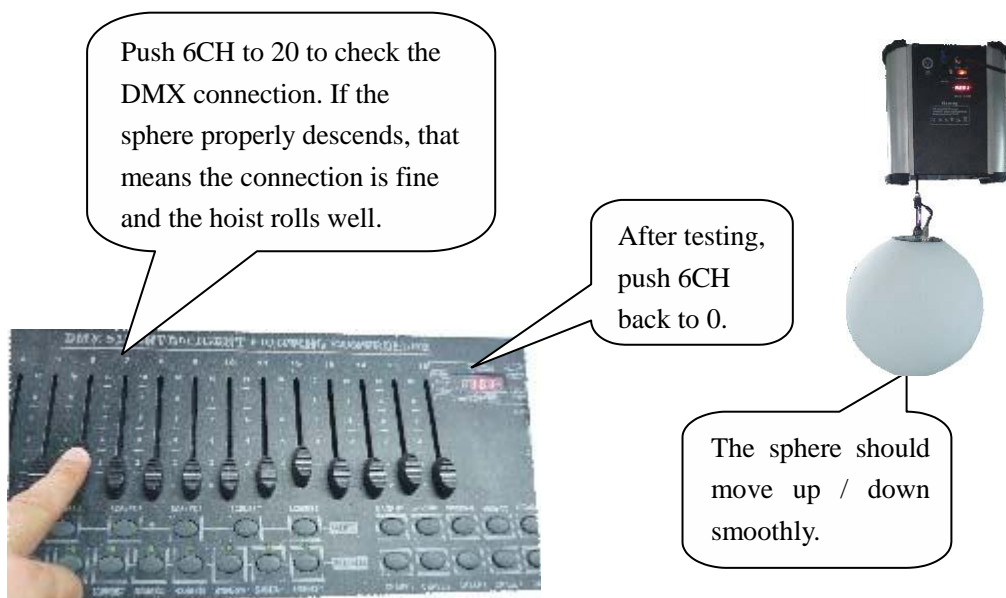
Do not run the hoist without any payload being applied.

The lifting cord is inside the hoist when in package. When you take out the hoist, the LED color sphere must be hung to the hoist BEFORE you power on the hoist. Running the hoist without any payload is prohibited, because the lifting cord may be entangled inside the cordwheel and cause error.

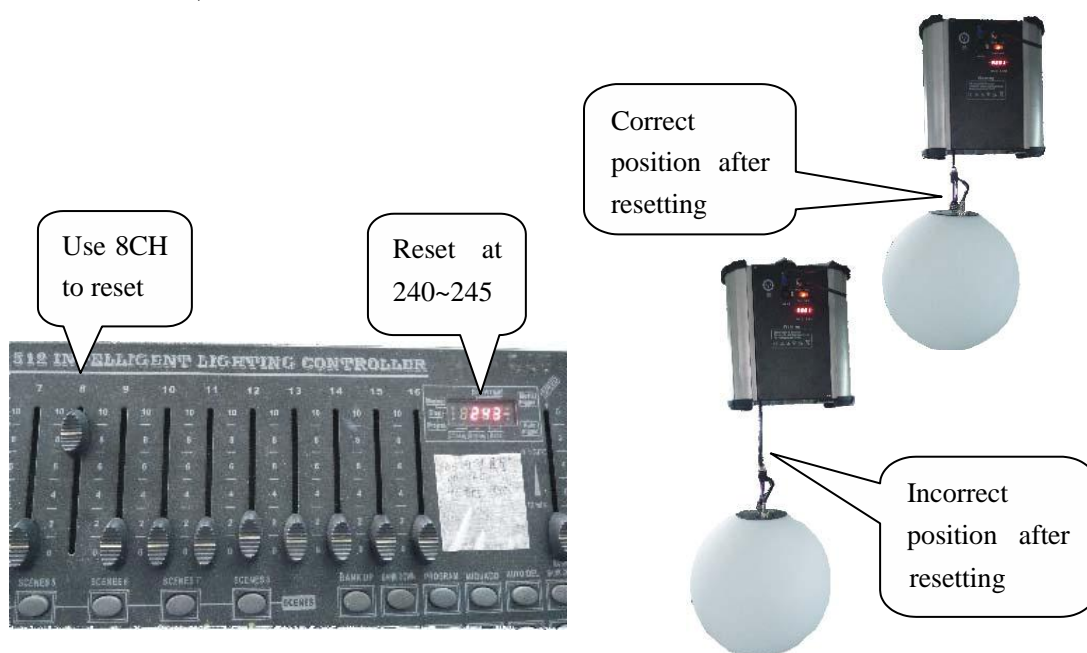
Step 1: Once the payload is applied, power on the hoist. The hoist will start resetting.



Step 2: Connect a DMX console to test the hoist.



Step 3: Connect the hoists to a DMX console and reset them again by DMX: Move 8CH to 240~245. If any of the hoists do not reset, check the DMX connections.



Step 4: Move 8CH to outside 240-245; Otherwise, the unit will keep resetting all the time. Make sure that all the hoists are reset correctly and the balls reposition to the correct position. Then, you can start operate the fixtures. Please keep this in mind when programming a chase.



### Tips:

- 1: The dimmer channels (1CH-4CH) shall be enabled by 5CH;
  - 2: The strobe effects (5CH) will only be seen when the light is activated in the dimmer channels (1CH-4CH).
  - 3: 6CH is for lifting up and down. Fade in and fade out (slope) is not applicable to this channel.
- Please take into account the lifting up/down time when programming a chase. If a new chase step is made before the lifting up/down is completed in a previous step, error may occur and/or noise may be heard.



## SPECIFICATIONS

Model	Sphere Diameter	Cable Length	Max. Load	HOIST		POWER CONSUMPTION			
						Hoist		Sphere	
				Size	Weight	Watt	Amp	Watt	Amp
TL811803	50cm	1.5-2.0 m	3.5kg	45×29.5×15cm	8kg	53W	0.24A	29W	1.17A
TL811801	35cm	1.5-2.0 m	1.8kg	45×29.5×15cm	7.5kg	49W	0.21A	16W	0.63A
		2.5-4.0 m	1.8kg	45×33×15cm	12.3kg	49W	0.21A	16W	0.63A
		4.5-6.0 m	1.8kg	48×35.5×15cm	12.6kg	49W	0.21A	16W	0.63A
		6.5-9.0 m	1.8kg	59×40.5×15cm	13.4kg	49W	0.21A	16W	0.63A
TL811802	25cm	1.0-1.5 m	1kg	35×26.5×13cm	6.5kg	49W	0.21A	12W	0.4A
TL811804	35x25cm	1.5-2.0 m	2.2kg	35×26.5×13cm	6.5kg	49W	0.21A	12W	0.4A
		2.5-4.0 m	2.2kg	45×33×15cm	12.0kg	53W	0.24A	12W	0.4A
		4.5-6.0 m	2.2kg	48×35.5×15cm	12.3kg	53W	0.24A	12W	0.4A
TL811805	35x42cm	1.5-2.0 m	2.1kg	45×29.5×15cm	7.5kg	49W	0.21A	16W	0.63A
		2.5-4.0 m	2.1kg	45×33×15cm	12.3kg	53W	0.24A	16W	0.63A
		4.5-6.0 m	2.1kg	48×35.5×15cm	12.6kg	53W	0.24A	16W	0.63A

Note:

1. Hoist Amp. is rated under AC220V.
2. Sphere Amp. is rate under DC24V.

Power Supply: 90-250V/50~60Hz

IP rating: IP22 (IP54 is available by order)

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