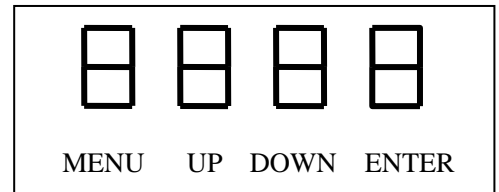# Lifting System Brief Manual

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.

MENU	UP	DOWN	ENTER

Operation instructions

Option	Sub-option	Value	Functions
Addr		001-512	To set the DMX address code of the unit
rESt	ALL	SurE → Strr	To reset all functions
	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 display always on (ALon) or auto off after 5-second idling (dYoF)
ModE	DMSG	rECE	To set the unit in DMX mode

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 → 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 → slow (Unavailable in 7CH mode)
CH8**	0	When CH6=0, the cord wheel will keep locked.

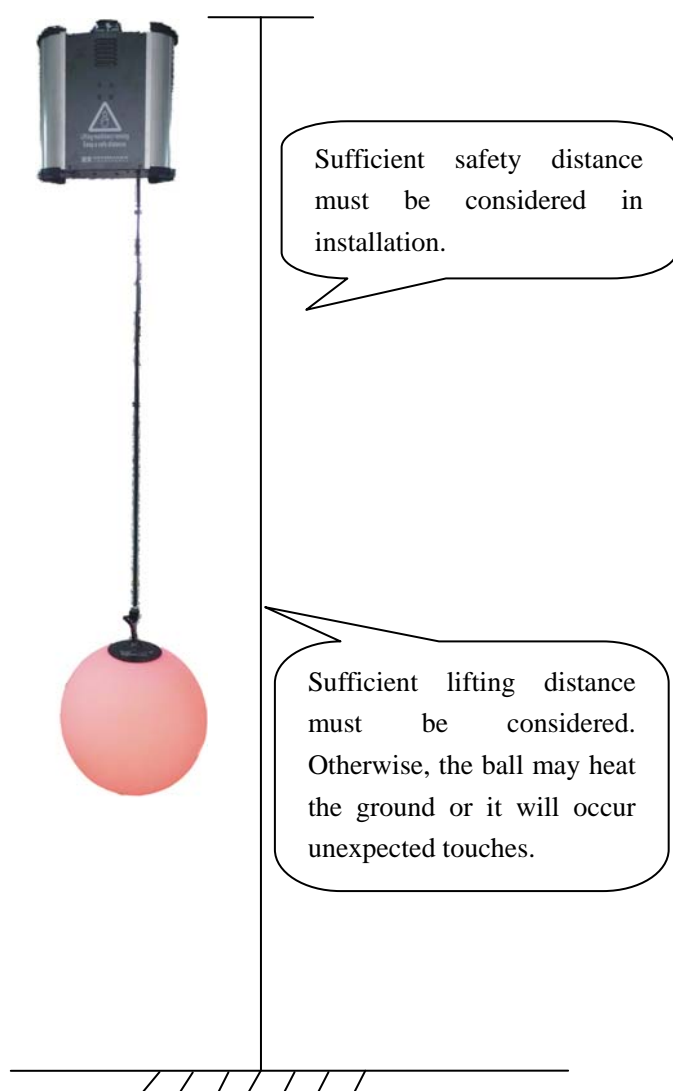|	1-239	Unlock	Before operating CH6, unlock should be implemented; And, to reach the perfect effect, the unit need to reset twice: Once when power is on; Another at CH8=(240-245).
	240-245	Reset	
	246-255	Unlock	

* The speed channel is unavailable in 7CH mode; ** The unlock/reset channel will be the 7th 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 power on 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.

Warnings: Please keep sufficient safety distance and lifting distance in installation

Sufficient safety distance must be considered in installation.

Sufficient lifting distance must be considered. Otherwise, the ball may heat the ground or it will occur unexpected touches.

Basic configuration of LED color sphere with lifting system

Hoist

LED Color Sphere

Optional accessories (sold separately)

Clamp   XLR cable for DMX   Safety Rope

Installation

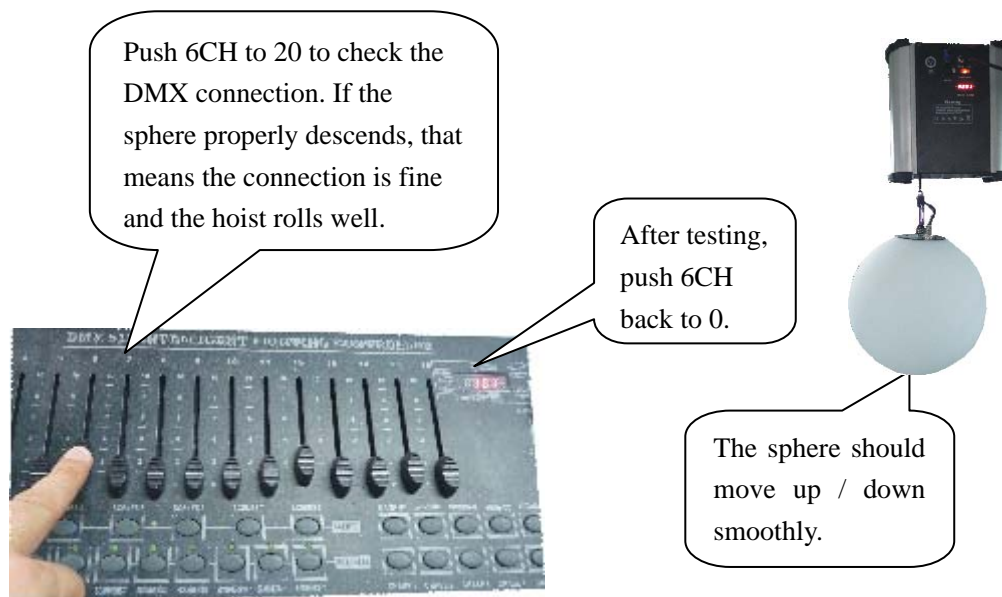| Step 1: Attach the clamp to the hoist	Step 2: Hang the hoist on the truss, fasten the clamp and correctly use the safety rope	Step 3: Attach the LED color sphere to the hoist

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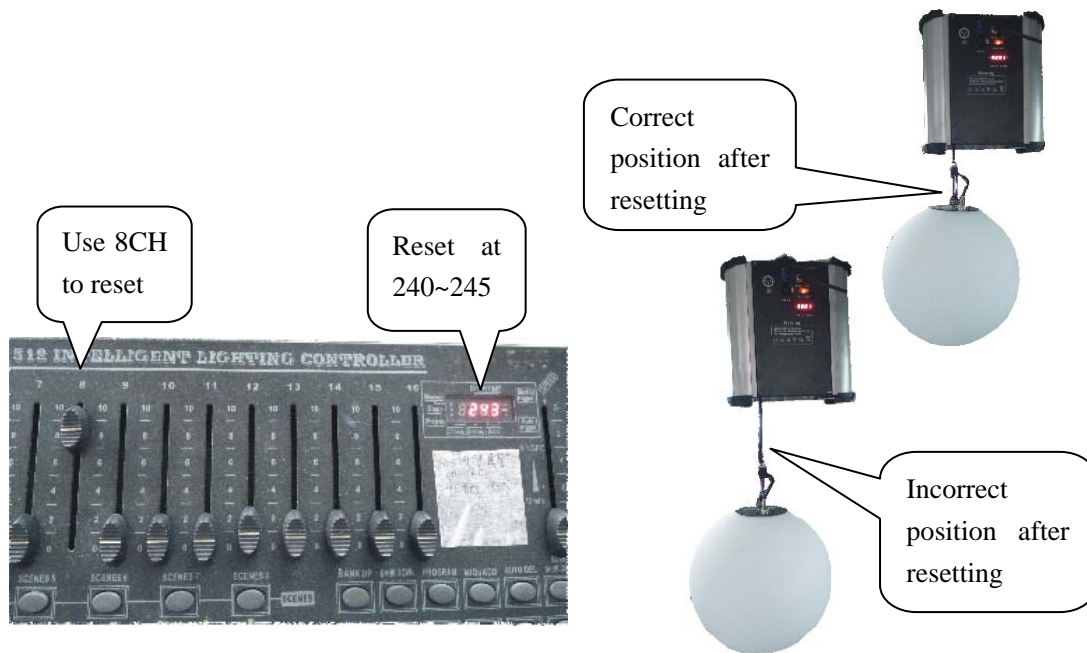
Step 1: Once the payload is applied, power on the hoist. The hoist will start resetting.

Flashes with input.

Lights up when power on

Indicates the DMX address

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

Push 6CH to 20 to check the DMX connection. If the sphere properly descends, that means the connection is fine and the hoist rolls well.

After testing, push 6CH back to 0.

The sphere should move up / down smoothly.

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.

Correct position after resetting

Use 8CH to reset

Reset at 240~245

Incorrect position after resetting

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

Move 8CH to finish resetting

At about 100

resetting all reposition to keep this in

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.

4CH Master Dimmer

5CH Strobe

6CH Lifting. Consider time problem. Fade in/out is not applicable to this channel