

# SKYSTAR

PROFESSIONAL SHOW LIGHTING

## THUNDER-150 LED MOVING-HEAD

USER MANUAL



# SKYSTAR

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## 1.INDEX

Many thanks for choosing THUNDER-150 moving head.The design&production are passed through the full quality control to ensure the fineness ability.

This manual covers important information about installation&operation of this projector.Please read this user manual carefully before installing or operating this projector.Please do follow the safety instruction.list as below carefully and keep this manual in a safety place for future reference.

Note:As part of our ongoing commitment to continuous products development,company will keep the right to improve this products, the information in this menu may be changed in the future,the company reserve the right to change the data without any advise.

## 2.Packing

2.1 The packing of the series of products is paper carton,the flycase can order.

2.2 To open the carton

First please open the carton and take out the relative accessories, Take out the projector from the polybad and put it on a very smooth & horizontal surface place for the next operation.

Attention:Do not press the plastics parts to avoid any damage and distortion.

2.3 Packing list

The following parts are packed together with the projector:

Attachment	
<b>DMX cable</b>	<b>1pc</b>
<b>User manual</b>	<b>1pc</b>
<b>Moutnting Bracket</b>	<b>2pc</b>

### 3. Install and safe usage

#### 3.1 Install the projector:

##### 3.1.1 Requirement for the installing place:

Please do ensure fasten the mount bracket firmly before installing. The mount bracket must share the weight 10 multiple weight of the projector`s.

##### 3.1.2 The method of installstion and caution:

3.1.2.1 Connect the mount bracket well and fix the clamp firmly to the truss in order to avoid the projector loose or falling.

3.1.2.2 The projector should be mounted via its clamp by using 2 bolts. The clamp itself attached to the underside of the projector with 4 bolts provided in the package. Always make sure that the projector is anchored firmly to avoid any vibration or falling.

3.1.2.3 For safety the projector should have a secondary fixing with a safety cord through the truss and the handle of projector. The safety cord will fasten the projector on the truss tightly to avoid any vibration or falling directly if the clamp or the truss is loose.

3.1.2.4 When installing the projector, not allow any person pass by,

3.1.2.5 After installing the light. Please inspect whether the safety cord attached, clamp or truss is loose in order to avoid the projector will slip. If any dangers is happened by falling, the manufacturer won't be responsible for it.

##### 3.1.2.6 Other safety terms

3.1.2.6.1 Minimum distance between the projector`s shot&goal project:



## CHANNEL MENU:

THUNDER-150 DMX Channel Control	
CH1 Dimmer	0 ————— 240 241-255
CH2 Strobe	0 ————— 240 241-255
CH3 Pan	0° ————— 540°
CH4 Tilt	0° ————— 250°
Ch5 X/Y Speed	0 ————— 255 X/Y Speed Fast to slow
Ch6 Color	0-14 15-29 30-44 45-59 60-74 75-89 90-109 110-127 128-255
Ch7 GOBO	0-14 15-29 30-44 45-59 60-74 75-89 90-109 110-127 128-255 fast Low fast
Ch8 GOB01	0-14 15-29 30-44 45-59 60-74 75-89 90-109 110-127 128-255 fast Low fast
Ch9 GOBO ROTATE	0 63 64 128 129 255 Stop Long Short
Ch10 Prism	0 31 32 ————— 255 Stop Long Short
Ch11 Frost	0 ————— 255 0-100%
Ch12 Focus	0 ————— 255
Ch13 ZOOM	0 ————— 255 8°-18°
Ch14 Pan Fine	0° ————— 3.6°
Ch15 Tilt Fine	0° ————— 3°
Ch16 Reset	255 Later 2s System Reset

## **TECHNICAL PARAMETER:**

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LIGHT SOURCE: 150W LED

POWER CONSUMPTION: 180W

RATED LIFE: 60,000~100,000hours

BEAM ANGLE(ZOOM): 8°-18°

1 COLOR WHEEL:

9 colors+open, half color effect,

bi-directional rainbow effect at variable speed

1 ROTATING GOBO WHEEL:

6 rotating gobos+open, bi-directionally rotating at variable speed

1 FIX GOBO WHEEL:

9 fix gobos+open, bi-directionally rotating at variable speed

1 PRISM WHEEL:

5-facet prism, bi-directionally rotating, at variable speed

FOCUS: Linearly adjustable

DIMMER: 0~100% linearly adjustable

FROST: 0~100% linearly adjustable

STROBE: 0.5~20 flash per second, speed adjustable

PAN AND TILT:

Smooth, automatic Pan & Tilt position correction, speed adjustable

RANGE: Pan-540°, Tilt-270°

CONTROL PROTOCOL: DMX 512, 3 pin interface

CHANNELS: 16CH

FIXTURE DIMENSION: L280 W210 H425(MM)

Net weight: 7.8kgs

When fix the orientation of the projector. Please keep the minimum distance between the flammable retarding subject and the projector's shot is 0.8M at least.(Picture1) But the minimum distance between the inflammable and the projector's lens should be kept away 2m at least. (Picture2).

3.1.2.6.2 The minimum distance between the inflaming retarding subject and any other part of the light:

When fix the orientation of the projector. Please keep the minimum distance between the inflaming retarding subject and the projector shot is 0.3m at least.

3.1.2.6.3 MAX ambient temperature:

In order to ensure the light could operate normally, the ambient temperature couldn't be higher than 33 degree and no lower than 2 degree.

3.1.2.6.4 Electric shock&static electricity portection:

These projectors are designed depends on the electric shock protection, the projector should be connected when the power supply is enough. The projector's ground cable should be connected with the ground cable of the power supply system as well.

3.1.2.6.5 Surface temperature:

Under normal condition, the highest sectional surface temperature may be up to 90-120 degree.

3.1.2.6.6 Connct the main power supply:

Connecting the main power supply should be done by the professional person.

3.1.2..6.6.1 Please check the voltage, frequency data of power supply system id suitable for the mentioned on the projector. Please do avoid the different voltage between them and burn the projector.

3.1.2.6.6.2 Please refer to the actual wattage of the projector`s lamp multiply 1.5 multiple multiply total quantity of the projector then you could get the minimum power supply loading. Lf your power cable can`t share the minimum power supply loading.Please don`t connect all the porjectors meantiome.

## **OPERATING MODE**

### **DMX512Control Mode**

The scanner DMX512 signal formats using 1-512 channel control.

Specific channel is set to



### **1.DMX512 [address set]**

This feature allows you to change device address value.

- 1, press the ESC key one or more, until the show "a. 001." At this time to press the "UP" or "DOWN" will be the key to the It functions table.
- 2, press "ENTER", the letter "A" to put out, use "UP" or "DOWN" keys to select the address value "001-512", Press "ENTER" confirm exit or press the "ESC button" give up exit.
3. to accept the host synchronous (i.e. from machine model) the address value is set for "001".
- 4, in the display address value condition, such as no DMX controller device connected, the screen will flash, such as device to connect DMX control Implement, display will not shine, and DMX signal for signal and flashing lights.

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MENU ----SET ----RUN MODE (DMX/AUTO/RANDOM/SOUND)
          ----DMX  ADDRESS (1-512)
          ----LED TEMP 001-110
          ----RDM  (ON/OFF)
          ----X  INVERT (ON/OFF)
          ----Y  INVERT (ON/OFF)
          ---- XY ENCODER (ON/OFF)
          ----NO DMX SIGNAL KEEP/CLEAR
          ----DISPLAY (ON/OFF)
          ----LOAD DEFAULT
  
```

--MANU

```

--SYS  --LAMP TEMP
        --DMX MONITOR
        --SYSTEM ERRORS
--ADVAN--SENSOR MONITOR
        --RESET CALIBRATION
        --ZERO POINT CORRECTION
  
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--CHINESE/ENGLISH
--SCREEN ROTATION
  
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