

# THUNDER-150 LED MOVING-HEAD

**USER MANUAL** 





Http://www.lightskystar.com

#### 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 rsad 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 continuos 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	
DMX cable	1pc
User manual	1pc
Moutnting Bracket	2pc





## 3.Install and safe usage

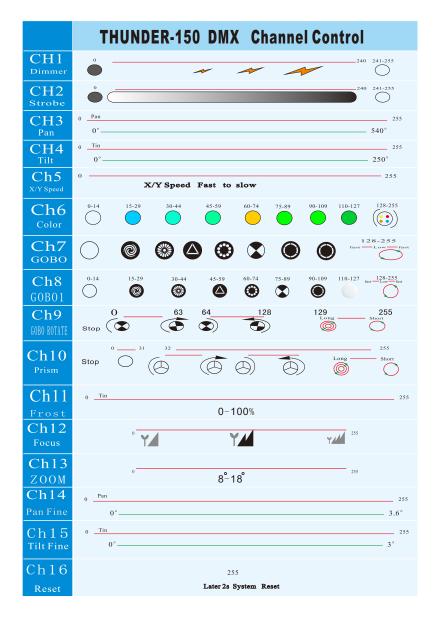
- 3.1 Install the porjector:
  - 3.1.1 Requirement for the installing place:

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 installation 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 boltsprovided 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 in stalling the projector, not allow any person pass by,
- 3.1.2.5 After installing the light.Please inspect whether the safety cord atrried, 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 risponsible for it.
- 3.1.2.6 Other safety terms
- 3.1.2.6.1 Mininum distance between the projector's shot&goal project:



# **CHANNEL MENU:**







## **TECHNICAL PARAMETER:**

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 positioncorrection, 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 porjector'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 highter 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.

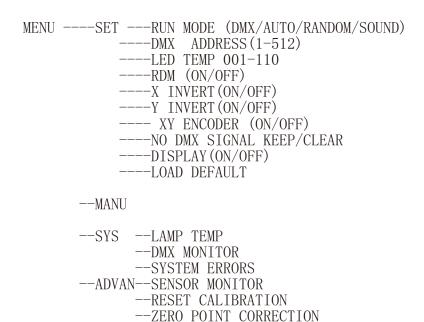
Specific channel is set to



## 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.



--CHINESE/ENGLISH --SCREEN ROTATION



