

SKYSTAR

PROFESSIONAL SHOW LIGHTING

THUNDER-60S LED MOVING-HEAD

USER MANUAL

SKYSTAR

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1.INDEX

Many thanks for choosing THUNDER-60S 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	
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 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 tothe 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.

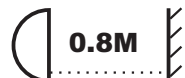
3.1.2.3 For safety the projector should have a secondary fixing with a safety cord through the truss and the handle of projector.The safety cord will fasten the projector on the truss tightly to avoid any vibration or falling directly if the clamp or the truss is loose.

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 attried,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 rispensible for it.

3.1.2.6 Other safety terms

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



Picture 1



Picture 2

CHANNEL MENU:

Thunder-60S DMX Channel Control	
CH1 Strobe	0-15 16 207 208-255
CH2 Dimmer	0 255
CH3 Color	0-21 22-43 44-65 66-87 88-109 110-126 127-143 144-255
CH4 GOBO	0-31 32-63 64-96 97-128 129-160 161-192 193-225 226-255
CH5 NOP	
CH6 NOP	
CH7 Prism	0 31 32 255 Stop fast speed Low speed fast speed Stop
CH8 Pan	0 Pan 0° 255 540°
CH9 Tilt	0 Tin 0° 255 250°
CH10 Pan Fine	0 Pan 0° 255 3.6°
CH11 Tilt Fine	0 Tin 0° 255 3°
CH12 X/Y Speed Vector mode	0 254 255 X/Y Speed Fast to slow Vector mode

TECHNICAL PARAMETER:

VOLTAGE: AC90- 240V 50/60Hz

LIGHT SOURCE: 60W LED

POWER CONSUMPTION: 150W

BEAM ANGLE: 3°

1 COLOR WHEEL: 6 colors+open, half color effect, bi-directional

rainbow effect at variable speed

1 ROTATING GOBO WHEEL: 7 rotating gobos+open, bi-directionally

rainbow effect at variable speed

1 PRISM WHEEL: 3-facet prism, bi-directionally rotating, at variable

speed

DIMMER: 0~100% linearly adjustable

STROBE: 0.5~20 flash per second, speed adjustable

RANGE: Pan-540 , Tilt-270 (16-bit)

NET WEIGHT: 9KG

GROSS WEIGHT: 10.5KG

FIXTURE DIMENSION: L435.W250.H520(mm)

PACKING DIMENSION: L415.W345.H580(mm)

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 is suitable for the mentioned on the projector. Please do avoid the different voltage between them and burn the projector.

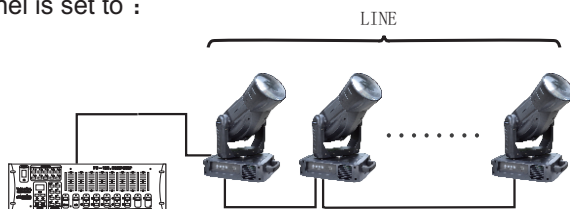
3.1.2.6.6.2 Please refer to the actual wattage of the projector's lamp multiply 1.5 multiple multiply total quantity of the projector then you could get the minimum power supply loading. If your power cable can't share the minimum power supply loading. Please don't connect all the projectors meantime.

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.

2、PAT1

SUAP----OFF Pan,Tilt normal

ON Pan,Tilt interchange

P,1NU----OFF Pan, foreward

ON Pan, inversion

T,1NU----OFF Tilt foreward

ON Tilt inversion

3、PTSP---- NORN

FAST

SLOU

4、PER5 DISP---ON : Display often ON

10S : Monitor doesn't operate 10 S shut

TURN---Monitor Positive and negative display

DRE5---ON,OFF

SCUT---ON,OFF Color design reset direction

5、DFSE----FACT----LOAD

6.INFO---Lamp software information and history

7,NAN---Automatic operation set

CH01:0--255

.....

CH12:0-255

8.TEST: Automatic operation mode, and as a MASTER advocate the lamp .

SOUN----RUN sound control

AUTO--- -RUN Automatic control

9:REST: