SKYSTAR

PROFESSIONAL SHOW LIGHTING

SR-440

BEAM MOVING-HEAD

USER MANUAL

SKYSTAR

GUANGZHOU LIGHTSTAR LIGHT CO.,LTD

Http://www.lightskystar.com

1.INDEX

Many thanks for choosing SR-440 beam moving head. Thedesign&production are passed through the full quality control to ensure the fineness ability.

This manual covers important information about install-ation&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 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
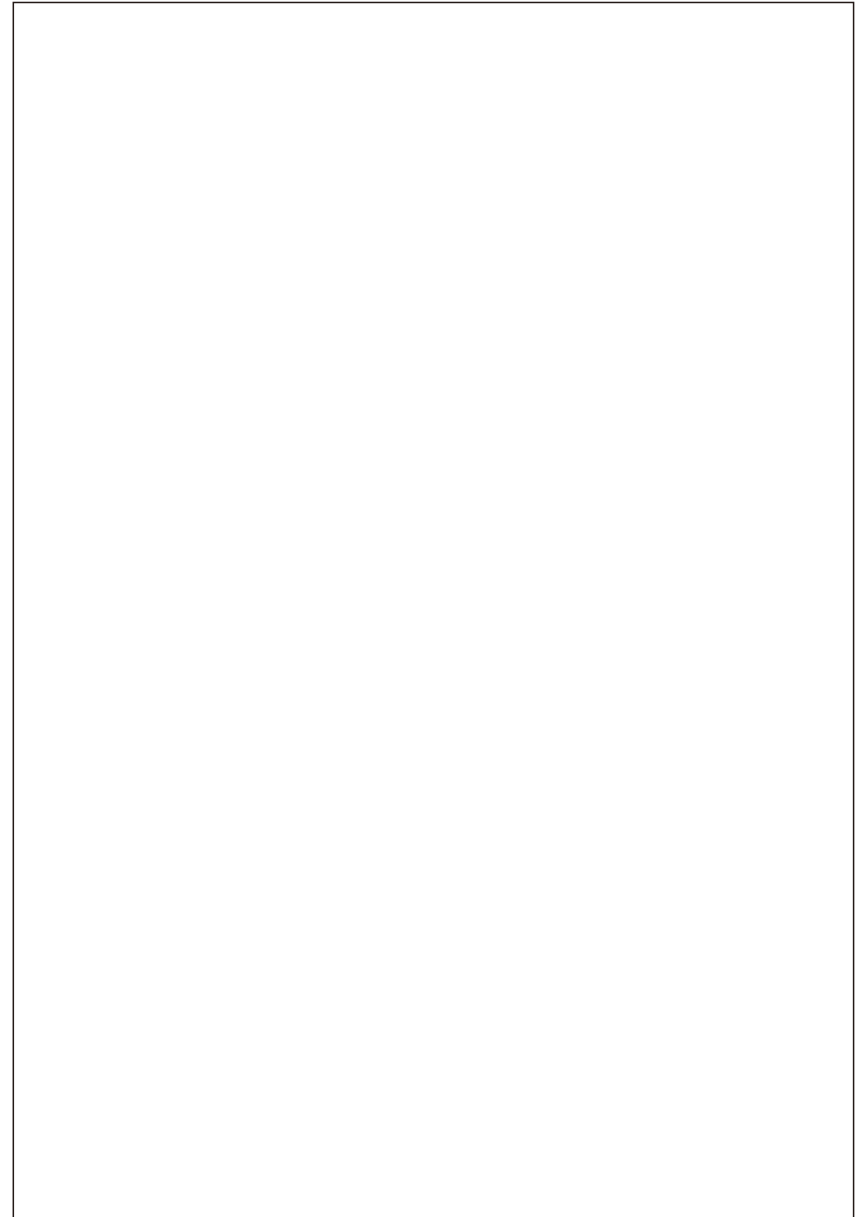 is anchored firmly to avoid any vibration or falling.

   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 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
responsible for it.

3.1.2.6 Other safety terms

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

0.8M　　**Picture 1**　　　2.0M　　**Picture 2**

SR-440 DMX Channel Control

CH1 Pan	0 Pan		255
	0°		540°
CH2 Tilt	0 Tin		255
	0°		250°
CH3 Pan Fine	0 Pan		255
	0°		3.6°
CH4 Tilt Fine	0 Tin		255
	0°		3°
Ch5 X/Y Speed	0	X/Y Speed Fast to slow	255
Ch6 6 color	0		255

Ch7 Strobe: 0 — 240 — 241-255

Ch8 Dimmer: 0 — 240 — 241-255

Ch9 Color

0-7	8-15	16-23	24-31	32-39	40-47	48-55	56-63	64-71	72-79
80-87	88-95	96-103	104-111	112-127		128-191		192-255	

Ch10 GOBO

128-255 fast — Low — fast

Ch11 Prism1

0 — 31 128 — 191 192 — 255

Ch12 Prism1 rotate

0 — 127 128 — 191 192 — 255
360度定位 fast speed Low speed fast speed

Ch13 Prism2

0 — 31 128 — 191 192 — 255

Ch14 Prism2 rotate

0 — 127 128 — 191 192 — 255
360度定位 fast speed Low speed fast speed

Ch15 Focus

0 — 255

Ch16 Reset

100-105	200-205	255
Turn off the lamp	Turn on the lamp (off the lamp after 1 minute)	Later 2s System Reset

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 than33 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.

4.Lamp replacement

4.1 Lamp description:

Model	Lamp discription
SR-440	Recharge lamp:20R
	Color temperature:8000K

4.2 Lamp replacement

Per to the SR-440　,please open the lamp access panel at the rear of the projector by undoing the 4 hand-operated screw.then you can begin to replace the lamp.Pull out the old lamp from the lamp bracket and then pug in the new lamp. Remount the lamp bracket and faster the screw at bothside tightly or the lamp`s loose connection will result in high tension short circuit or electric discharge which will effect the lamp life or damage the PCB board.When finished the lamp replacement,please close the cover and faster the screw at both side tightly.

8.TECHNICAL PARAMETER

BULB:　20R

POWER CONSUMPTION: 230 V 50 HZ 400 VA

OPTICAL DEVICE: high efficiency lens group,0°-1.5° zoom

ELECTRONIC FOCUS: 20 meters, 140000 LUX

CHANNEL MODE: 16 standard DMX512 channel

LEVEL SCANNING: 540(16 bit precision scan)

VERTICAL SCAN: 280(16 bit precision scan)

COLOR WHEEL: 13color and white light
　　　　with two-way rotating and rainbow effect

ROTATING GOBO WHEEL: 13 gobos and white circle
　　　　with design jitter and arbitrary positioning function

PRISM: 5 prism,2 prism wheel with superposition,
　　　　positive and negative rotation .

SHUT: Double pole shut up to 13 times per second,
　　　　random shut and pulse shut can be choosed

DIMMER: 0% ~ 100% linear dimmer

FROST: 0% ~ 100% linear frost

Electronic ballast : make the product more light and bright.
　　　　Lamp more stable environmental protection and
　　　　more energy saving

SWITCHING POWER SUPPLY : AC100 ~ 240 V, 50/60 HZ

FIXTURE DIMENSION: L400×320×650(mm)

PACKING DIMENSION: L480×450×705(mm)

NET WEIGHT: 20KG

GROSS WEIGHT: 23KG

menu selection

setting:
1.Run mode- dmx(use controller) ,music,auto
2.Dmx address--(6.Set the DMX IP code)
3.channel mode--16ch
4,Invert pan---(off)
5,Invert pan---(off)
6,pan-tilt swap ----(off)
7,pan-tilt encoder ----(on)Digital correction
8,No dmx signal ------(keep)
9,Display----(on)
10,Lamp on@start up------(on) open light the lamp on
11,Linear color-----(off)   select color full change
12,Load default

Manual:
Use the manual control dmx data of lamps and lanterns
 for 16ch

System:
The light   running   information

Advance:
only use   factory setting
password: up down up down

4.3 Warning!
    Warning1:Disconnecting the power supply if there are no
lamp fixed inside the light well. Or it will burn downthe light.
    Warning2:Disconnecting the power supply before replacing
the lamps.
    Warning3:When the lamp is operating, its temperature will be
extremly high.The feature of the recharge lamp couldn`t work un-
der the interruption power supply.Therefore,please let the lamp
cool down completely(Approx 15 minutes at least).then you could
operate the light again. Otherwise,it will be lead to high tension,
short circuit or electric discharge.Morever,the part of the control
board will be burn down.
    Warning4:All the lamps have its usage life,please inspect the
lamp timing and ensure the lamp`s usage life not exceed the rated
life, otherwife,it may result in the lamp broken,deformation or black-
en.if the lamp is broken,the caused impact will demage the project-
or`s spot system. The electric parts on the circuit board may be sta-
ved by the high voltage.The got lamp fragments may injure people,
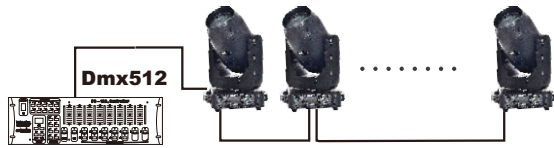explode or set on fire.

5.Power supply and singal connection

5.1Power supply connection and control
    Use the professional plug to connect the projector and main
power supply. Please pay attention to the voltage,frequency the
same as the mentioned on the projector. Suggest each light has a
seperatelly switch of the power supply so that could turn on or turn
off each projector desultorily.

5.2 Signal connection

Please use the round 3-pin XLR plugs&sockets offered by menu facture to connect the first projector`s output to the second projector` input and connect the second projector`s output to the third projector`s input.And in the same way for the rest,Eventually connect the last p-rojector`s output,all the projectors are together as the following figure (picture3)

Picture 3

The projectors`s control signal output or input by using the 3pin XLR pug and socket..If need to lengthen the communication cable, please make sure the both side of 3-pin plug is one to one.(one to one,two to two ,three to three). Otherwise, the communication cable will be interrupted.. The communicate cable is 2-cord screened cable 75ΩRESISTANCE with each core is at least a 0.5mm diameter. (Caution: All the inside leading wire of 3-pin XLR plug couldn`t touch each other or plinth).

5.3 Lihgt connection

After doing the above operation and making sure all the projectors had been installed with suitable lamps,press the power switch to check whether everything is working normally.The Led display will show the original DMX signal address.If the DMX signal is input, the green light will be shark.

6.Set the DMX IP code

To make sure every projector react to the control signal correctly a digital starting IP code should be given to every MAX projector. Digital star IP code is a channel munber. By this number ,the projector should obey the command form the controller.Digital staring IP code is set by the operation panel,progressing to the staring IP value

When you use fixable channel controller,the address count method as following:

First light`s IP code value=(value of the former star IP CODE)+ (channel on the controller)

when you use any unfixable channel controller:

1.The first projector`s starting IP code is 001

2.Channel number on the controller should not be less than the channel number of the projector.

7.Control Display

Display: data show that the product information

Menu selection: touch screen& control key both use   control menu selection