

Scandlight DJ LED Gepard
User's Manual
Item no: 935793



scandLIGHT

I、Preface

Thank you for using our SCANDLIGHT DJ LED GEPARD. For your safety, please read the User's Manual carefully before your operation.

Note: This Manual includes the important information of installation、operation、safety instruction. Please install and operate as requested in the Manual, meanwhile, please keep the manual for any unexpected requirement.

This Manual includes the important information of installation and operation. Please install and operate the light according to the instructions strictly. And it must be power off when open the light or before repair.

A: Please read the complete contents of this manual (please keep this manual attach with the light for any preview)

B: In order to make sure the correct and safety installation、operation and maintenance, well know and follow to the instructions of Manual is necessary.

C: We will not take any responsibility to the light damage、property loss or body injure which caused by the incorrect installation、operation and maintenance.

NOTICE: the data which inside the Manual maybe changed due to the continuous improvement, and we'll not make another notice. We will keep the right to any specification update during improvement

Warning: if the protection screen、lens or UV screen got a visible damage, e.g.: scratch or chasm.

1. Packing Content

(accessories)

(Selectable)

1: Power Cable (1PCS)

a: Bracket

2: User's Manual (1PCS)

b: Clamp

3: Maintenance Card (1PCS)

d: Safety Cable

2. Unpacking Instruction:

Please check if all the contents are completed after unpacking? then, check if the light is undamaged? Please you can keep the original package and return to the factory if it's damaged

3. AC Power: Check if the voltage is accordance with the rated power.

4. Safety Specifications : All the safety items of operation (includes installation) and before operating.

- (1) Unpacking the light case and take out all the accessories , and open the poly package, take out the light from the flight case, and put it in a certain platform for operation.
- (2) This device for indoor use only, the protection grade is: IP20. the light must keep dry and avoid to use under the Moist、Overheat or Dusty surroundings. And keep the light far away from the water or other liquid.
- (3) Installing of the light must keep a distance with any flammable objects by 1M at least.
- (4) Please never install the light on the surface of the flammable objects.
- (5) The installation、operation and maintenance must be managed by the qualified professional, and make sure to operate it under the instruction of the Manual.
- (6) Make sure the work environment temperature of the light maximum 40℃ , and minimum 20℃
- (7) The temperature of the light surface will up to 85℃ even under the normal cooling, so never touch it by hand.
- (8) The light was designed by electric shock protection type, and must connect to the power supply system which well earthed. Furthermore, the ground wire of the light must connect to the ground wire of the power supply system, ground wire interface of the light must well connect with the light body (or light must well earthed)
- (9) Please check if the voltage is accordance with the rated power before installing.
- (10) Please never use the power cable which was damaged the insulation cover, meanwhile, never put the power cable on any other wire. Please pull out the power cable by handle the plug when light is stop working or cleaning, never pull out it roughly or handle the wire directly.
- (11) The bottom of light with a insurance rope connected insurance hole, for security reasons, To auxiliary hoisting please put insurance rope of the light through the insurance rope connector hole.
- (12) The light doesn't include any spare parts for repair, please check if all the parts are well installed and screws are drove tightly before operating. It's prohibited to use the light when the cover is opened.

Notice: Please make sure it's power off before any installation、repair and clean!

II、 Introduction

1. Product Features:

Many LED design, change dynamic, small power consumption, long life lamp, security, high-performance, wide voltage range can be normal work, Very suitable for small private rooms and small and medium entertainment places. Include three kinds of modes (1) auto running mode、 (2) sound control mode、 (3) master slave mode

2. Technical Features

- (1) Control channel : 11 DMX channel
- (2) Operating modes : DMX512 standard control、 program auto running、 master slave、 sound control (adjustable sound sensitivity)
- (3) Appearance: Metal shell, streamlined designs
- (4) Working environment: indoor, 20 °C ~ 40 °C
- (5) IP degree: IP20

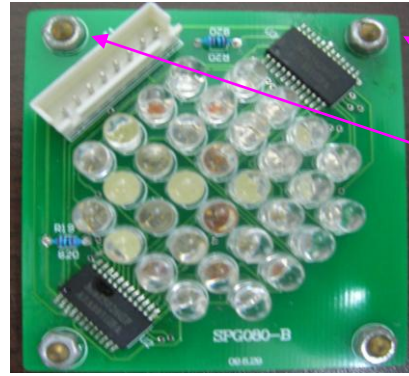
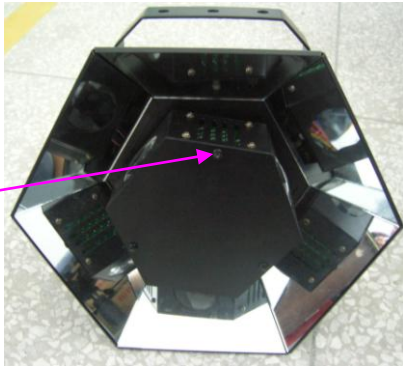
III、 Technology Parameter

- 1. Voltage: AC100V-240V 60/50HZ
- 2. Power: 16W
- 3. Outline Size: 320×280×210mm
Packing Size: 420×420×293mm
- 4. N/W: 3.5Kg
G/W: 4.6Kg
- 5. LED Lamp: 96 LED (red, green, blue)
 - (1) LED Size: $\phi 5$
 - (2) LED Project angle: $24^{\circ} \pm 1^{\circ}$

IV、 Installation

If there is any damage of LED light-emitting diodes, please arrange the technical personnel to carry out maintenance.

Unscrew
ed the
6pcs
screws
on the
cover



Unscrewed
the 4pcs
fixed
screws on
the LED
board

First, after unscrewed the 6pcs screw on the cover and then pull out it. Then unscrewed the 4pcs screw on the LED board and pull out it, if found the LED is broken, then take out them by thermostat electric iron. Installation method is just the opposite.

Warning

1: The light power supply must be disconnected when replacement of the LED does not bright

2: you can repair the light before you must use a thermostat with anti-static electric iron, and wear anti-static rings

2. Power supply, wire Connection

Using a dedicated plug to connect the SCANDLIGHT DJ LED GEPARD and power. LED GALAXY LIGHT should pay attention to whether the voltage and frequency between signs and on the power supply are the same or not. Suggested that each light has a separate power supply switch, this can be turned on or off at random for each LED GALAXY LIGHT. LED GALAXY LIGHT selection of input voltage and frequency parameters as follows:

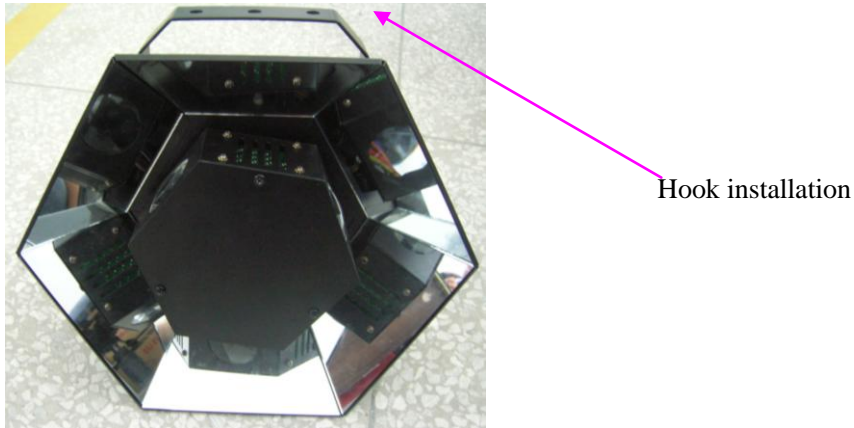
Voltage	AC100V~240V	Frequency	60/50Hz
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If the power cable is damaged, please contact the area agents or ask professional to replace; please use the same specification cable when you replace the power cable.

Tip: When connecting the power, ground wire must (yellow / green color wire) safety ground, electrical installation must comply with all relevant standards.

3. Fixed installation of lighting (including light hook and safety rope how to

use)



Before positioned the light, ensure the stability of the installation site. In the reverse hanging installation, use two sets of M10 bolts with a professional big hook, link the hanging screw hole on the bottom of the light, must be ensure that the light will not fell down from support rack, through the support rack and light hand use the safety rope for auxiliary lifting handle to ensure safety, to prevent the light falling and sliding. Light in the installation, the bottom prohibit pedestrians. Safety rope regularly checked whether there is wear and tear, whether there is loose hook. The manufacturer does not take any responsibility if the light falling because hanging installation is not stable.

Warning

- 1. Hook use only for light lifting.**
- 2. Hook as a handle move the light to prohibit, carrying, please use the handle.**

V、 Operation

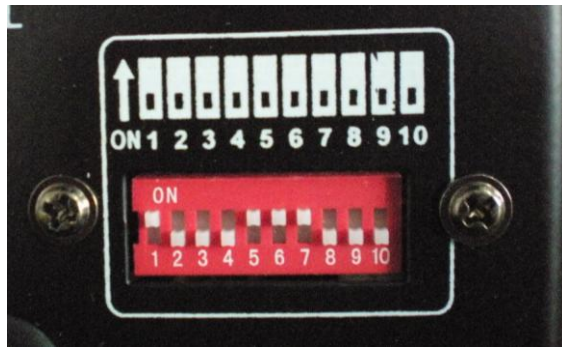
1. DMX Address Code Setting

Every light should be set with DMX address code when you are using the controller to control multi lights, it is used to receive the signal from the controller.

Since the product uses "address code dial code" set the address code, so each dial code corresponding to address values are as follows:

Dial code	1	2	3	4	5	6	7	8	9
Corresponding	1	2	4	8	16	32	64	128	256

to address code value									
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The present address code of the light = (address code of last light) + (channel quantity of the light) . LED GALAXY LIGHT with 11 Channels , so it should be under the “16channle” control mode, the DMX address code of the first light is 1, the corresponding dial code is "1" (or all of the dial code not dial),the second should be: $1+16=17$, the corresponding dial code is "1 +5", the third light address value is $1+16 * 2 = 33$, the corresponding dial code is "1 +6 ", The fourth should be $1 +16 * 3 = 49$, the corresponding dial code is" 1 +5 +6 ", analogously.

2. Auto mode setup

Both dial code 10 and 8 to ON, LED GALAXY LIGHT is in auto-running mode. However, dial code 1、 2、 3 and 4 transfer to different mode of auto running, the list as below:

DIP No.	Function description	Remark
10+8	Auto running mode 5	
10+8+1	Auto running mode 1	
10+8+2	Auto running mode 2	
10+8+3	Auto running mode 3	
10+8+4	Auto running mode 4	

2. Sound control setup

Both dial code 10 and 7 to ON, LED GALAXY LIGHT is in sound control mode. However, dial code 1、 2、 3 and 4 transfer to different mode of sound control, the list as below:

DIP No.	Function description	Remark
10+7+1	Sound control mode 1	[sound control auto running]
10+7+2	Sound control mode 2	[flash sound control mode]
10+7+3	Sound control mode 3	
10+7+4	Sound control mode 4	
10+7+5	Sound control mode 5	
10+7	Sound control mode 6	

4. Master slave mode setup

When setting the master machine is dial code 10 to the ON, can control the slave machine by DMX interface. When the slave machine receiving, all the "dial codes" to OFF; when dial 10 to OFF, 1 to 9 is based light address code settings (8421 binary code format), are all OFF, the address is 001.

Warm Tip: The auto running effect of the light are selected from the control channel with the proceeds, so users can make the program effect which their own need by use have storage capabilities of the DMX-controlled.

Function	DIP No. (ON)	Description	Remark
Program auto running	10+8	Auto running mode 1	
	10+8+1	Auto running mode 2	
	10+8+2	Auto running mode 3	
	10+8+3	Auto running mode 4	
	10+8+4	Auto running mode 5	
Sound control	10+7+1	Sound control mode 1 [sound control auto running]	Adjustable potentiometer to change the sound sensitivity to suit different environments.
	10+7+2	Sound control mode 2 [flash sound control mode]	
	10+7+3	Sound control mode 3	
	10+7+4	Sound control mode 4	
	10+7+5	Sound control mode 5	
	10+7	Sound control mode 6	
All brightness	10+9	All LED brightness	

DMX control (receive)	10 为 off, [1---9] is based light address code settings (8421 binary code format), are all OFF, the address is 001.
Set to slave machine	All DIP dial to“OFF”

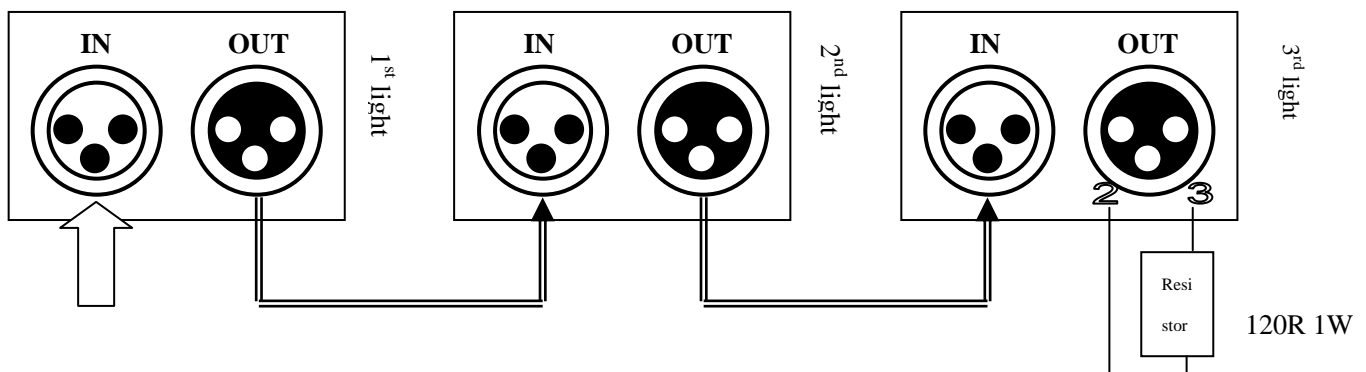
VI. Appendix

1、 Usage of the Signal Cable、 Connector

The connection between the output and input, it's available to use the 3 pins XLR cable which provided by the manufacturer. Signal cable from the DMX output of the controller to the input of the first master light, and connect to the DMX input of second slave light from the DMX output of the first master light, analogously, till connected all the slave lights, and insert the last connector to the output of the final light.

If you want to prolong the connection of signal cable, the connection of the pins between male connector and female connector should be:1 to 1; 2 to 2; 3 to 3, or it will cause communication interruption. (Notice: the diameter of core of every cable should be 0.5mm at least, double core shelter cable should be used) .The signal connecting must use the attached 3 pins XLR cable. Notice, all the internal lead wire of the 3 pins XLR cable should not touch to each other or connect to the connector.

The light is available to receive the DMX512 signal, connect the signal plug to the panel which marked with “IN”, and connect it to the next light. then, connect to the “IN” of next light from the “OUT”. The DMX signal terminal organ is recommended when the lighting signal is connecting. It will avoid to damage the signal which caused by the noise, DMX terminal organ is a XLR connector, connect with a 120Ω resistor between the pin 2 and pin 3 of the XLR connector, and connect it to the last OUTPUT socket of the final light. Follow picture:



2、DMX channel value list

channel	Function	Value	Description
CH1	Motor function	0—15	position (adjust the position by CH2)
		16—215	Come and back rotation (range 16—255, short—long)
CH2	Motor speed/position	0—255	slow—fast / position(0—175degree)
CH3	dimmer/strobe Switch	0—7	Off
		8—232	strobe (slow----fast)
		233—255	On
CH4	Strobe space %	0—255	Proper adjustment of this value, obtained a stronger sense of visual impact, auxiliary CH3 adjust strobe
CH5	LED select gobo	0—16	Gobo 1 (gobo group A, the value is off LED)
		17—34	Gobo 2
		35—50	Gobo 3
		51—67	Gobo 4
		68—84	Gobo 5
		85—101	Gobo 6
		102—118	Gobo 7
		119—135	Gobo 8
		136—152	Gobo 9
		153—169	Gobo 10
		170—186	Gobo 11
		187—203	Gobo 12
		204—220	Gobo 13
		221—237	Gobo 14
		238—255	Gobo

		5	15			
CH6	LED select group	0—16	Gobo group A	Static gobo group		
		17—33	Gobo group B	Static gobo group		
		35—50	Gobo group C	Static gobo group		
		51—67	Gobo group D	Static gobo group		
		68—84	Gobo group E	Static gobo group(3group LED output different gobo)		
		85—101	Gobo group F	Lock position static gobo group		
		102—118	Gobo group G	Lock position static gobo group		
		119—135	Gobo group H	Move gobo group		
		136—152	Gobo group I	Move gobo group		
		153—169	Gobo group J	Move gobo group		
		170—186	Gobo group K	Move gobo group		
		187—203	Gobo group L	Move gobo group		
		204—220	Gobo group M	Move gobo group		
		221—237	Gobo group N	Gradient move gobo group		Adjust CH4to change gradient speed (fast—slow) ; when CH5 is 255 too, can show
		238—255	Gobo	Gradient move gobo		

		5	group O	group	all the gobo
CH7	Movement speed	0—255	slow——fast (0 no effective, stop movement)		
CH8	Light group 1dimmer	0—255	Brightness——dark		Gradient, the dimmer is no effective
CH9	Light group 2dimmer	0—255	Brightness——dark		
CH 10	Light group 3dimmer	0—255	Brightness——dark		
CH 11	OFF	0—22	Auto move mode/sound control mode off		CH1——CH10 effective
	Program auto running mode	23—45	Auto move mode 1		CH1——CH10 control no effective
		46—68	Auto move mode 2		
		69—91	Auto move mode 3		
		92—114	Auto move mode 4		
		115—137	Auto move mode 5 [Collection1—4 mode]		
	Sound control mode	138—160	Sound control mode 1 [sound control auto running]		
		161—183	Sound control mode 2 [flash sound control mode]		
		184—206	Sound control mode 3		
		207—229	Sound control mode 4		
230—255		Sound control mode 5			

Ⅶ、 Maintenance

1. Clean and use frequency

To confirm the power supply have cut off before disconnect the light or repair it ,it is very important to keep the light cleaning .not only can keep the light maximum brightness output but also can prolong their use life . please use the high quality professional glass and soft cloth to clear up the equipment ,not permission to use the alcohol and organic liquid clean at least once each year use vacuum dust collector .

When the light does not start, check whether the light power supply fuse

blown or not, if blow, install the appropriate fuse, and start the light after find out troubleshooting, but please attention to the technically person allowed to carry out maintenance work.

2. Products returned

If it is the products quality problem, the customer can be based on the actual situation, to decide whether need the product parts to replace.

3. Complain

- (1) The salesman will check the details of complained problem, included the item no、delivered quantity、delivery time、faulty and pictures, and the requirement of customer
- (2) The customer service technicians to analyze and contact with customers by phone, to guide customer.
- (3) Quality Technology Department analysis of customer complaints and give a preliminary identified. The units must be offer analysis and treatment measures on time.

VIII. Faulty Disposal

Familiar Faulty	Disposal
Light can not start	<ol style="list-style-type: none"> 1. Check if the fuse burnt out or not 2. Check if the power connect well or not 3. Check if the circuit board +12V or +5V short circuit of earth
Light can be shine well, but can not be control by controller	<ol style="list-style-type: none"> 1. Check if the light's DMX original address setup right or not. Check the connection details of communication control wire
Some of LED not brightness	<ol style="list-style-type: none"> 1、 Check if LED lamp damage or not