

Scandlight 1500W DMX STROBE USER'S MANUAL

Item no: 935782



scandLIGHT

I、Preface

Thank you for using our DMX STROBE. 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 and replace the lamp.

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, it should be changed

1. Contained objects

(Accessories)

- 1: User' s Manual (1PCS)
- 2: Maintenance cards (1PCS)

(Selectable)

- a: Bracket
- b: Clamp
- c: 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 whether 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 carton and take out all the accessories, and open the poly package, take out the light from the carton, and put it in a certain platform for operation.
- (2) This product for indoor use only. Lamps should be kept dry to avoid moisture, dust or overheating of the environment. Lamps should be preventing access to

water and other liquids.

- (3) Installing of the light must keep a distance with any flammable objects by 5M at least. The distance between the light and the projected objects must be no less than 1 meter.
- (4) The installation、operation and maintenance must be managed by the qualified professional, and make sure to operate it under the instruction of the Manual.
- (5) Make sure the work environment temperature of the light maximum 40℃, and minimum -20℃
- (6) The temperature of the light surface will up to 80℃ even under the normal cooling, so never touch it by hand.
- (7) 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)
- (8) Please check if the voltage is accordance with the rated power before installing.
- (9) 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.
- (10) 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. Feature

This lamp is used for discos, stage, theaters and other places of special lighting equipment

2. Technical Features

- 1) Control Mode: FM knob adjustment and DMX control
- (2) Operating Modes: manual mode and DMX mode
- (3) Appearance: metal shell, streamlined designs.
- (4) Working Environment: indoor, -20 ℃ ~ 40 ℃
- (5) **Protection Grade: IP20**

III、 technical parameters

1 Input Voltage. : AC220V 50HZ/ (AC110V 60HZ)

- 2. **Power Consumption:** 1500W
- 3. **Outline Size:** 500×190×130mm
Packing Size: 550×230×310mm
- 4. **N.W:** 5Kg
G.W: 6Kg
- 5. **Lamp:** 1500W

IV、 Installed

1. Lamp installation/replacement:

- (1) The light bulb must be completely cool before replacing, because the bulb surface temperature will up to hundreds °C when it's working.
- (2) Please never touch the lamp by bare hand during installation, insert and pull-out light bulbs must packaged with cloth.
- (3) It's not allowed to install the high-power bulbs, otherwise the heat generated may damage the light.
- (4) The light used 1500W pulse bulbs.

2. Installation / replacement of light bulbs steps

- (1) Drive out the screw;
- (2) Gently lift the glass lid;
- (3) Take out the lamp from the light and replace a new one
- (4) Carefully cover the glass lid;
- (5) Drive in screws.



Drive
out the
screws
which on
the front
cover

Warning

- 1: The power must be disconnected during lamp replacement
- 2: It's not allowed to use the light when the cover haven't be sealed

3. Steps for fuse replacement: (Fuse: 20A)

If the bulb burnt out, then the fuse may also be burned. Please replace a new fuse

which same as the light used.

- (1) Use a suitable screwdriver to unscrew the fuse holder;
- (2) Remove the old fuse and replace a new one;
- (3) Drive tight the fuse holder with a screwdriver.

Note: the power must be disconnected before replace the fuse !

4. Connection of Power and Wire

The exclusive plug should be used between the connection of DMX Strobe and power. And please confirm if the rated voltage and frequency is accordance with the power supply. Every light with an independent power switch is suggested, it will be convenient for you to turn ON or OFF every light. This DMX strobe selected input voltage and frequency as follow:

| | | | |
|--------------|--------|-----------|------|
| voltage | AC220V | Frequency | 50Hz |
| (Selectable) | AC110V | Frequency | 60Hz |

The external power wire used Y-type connecting mode. Please contact the service agent or professional man for replacement if got any damage, please use the same type power wire for replacement.

Note: the ground wire(yellow/green double-color wire) must be safely connected, the electronic installation must be in accordance with the related standards.

5. Lighting Installation (instruction of clamp and safety cable)

- (1) The exclusive clamp and screw must be used during the installation, and make sure that the weight of the light is bearable by the hanger.
- (2) An extra safety cable should be used after installation, bind the light on the truss and keep in safety.
- (3) Make sure it' s without any flammable objects within 5M during the light installation.
- (4) The installing must be managed by the professionals, any abnormal installation will cause body injure or damage the materials.
- (5) adjust the light to be a suitable angle and drive tight the screws of clamp.



Bracket

Warning

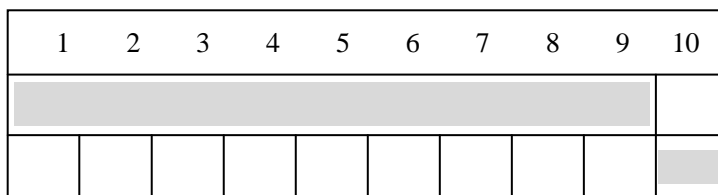
1. The hanger is used for hanging only.
2. It's prohibited to move the light by handle the clamp, please move the light by handle.

V、 Operation

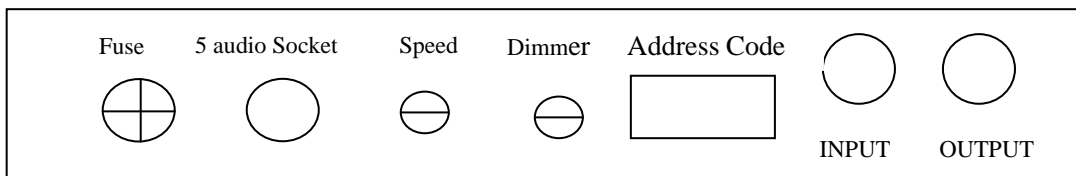
1. Panel Specification

2 control modes of the light: Manual mode and DMX mode

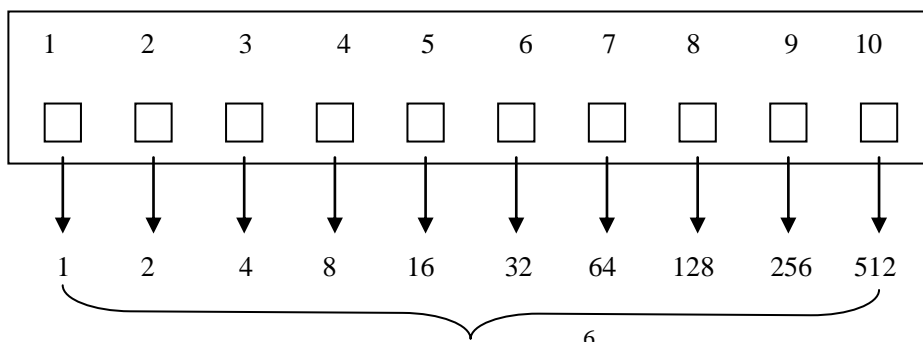
- (1) **Manual Mode:** it will be Manual mode when dial the switch 10 (10 means ON). As follow:



There are 2 sliders which on the panel, 1 is for speed adjustment (SPEED); 1 is for dimmer (LIGHT). You can get the expected effect by adjust this 2 sliders. And you can buy a extra controller if you want to remote control it, the adjustment is in the same way. (please note you must set the value of the sliders to minimum at this moment)



- (2) **DMX MODE:** It will be DMX Mode if the switch 10 is OFF. And the switch 1-9 will be the DMX address code switch at this moment.



Corresponding formula value of address code

Every light should set a DMX address code in order to receive the signal when you are using the controller to control multi lights.

The address code of the present light= (address code of last light) + (channel quantity of the controller) . This light with 2 channels, if the controller is 16channels, the DMX address code of the first light is:001, the second light should be: 017,the third light should be: 033,the fourth light should be:049, analogously.

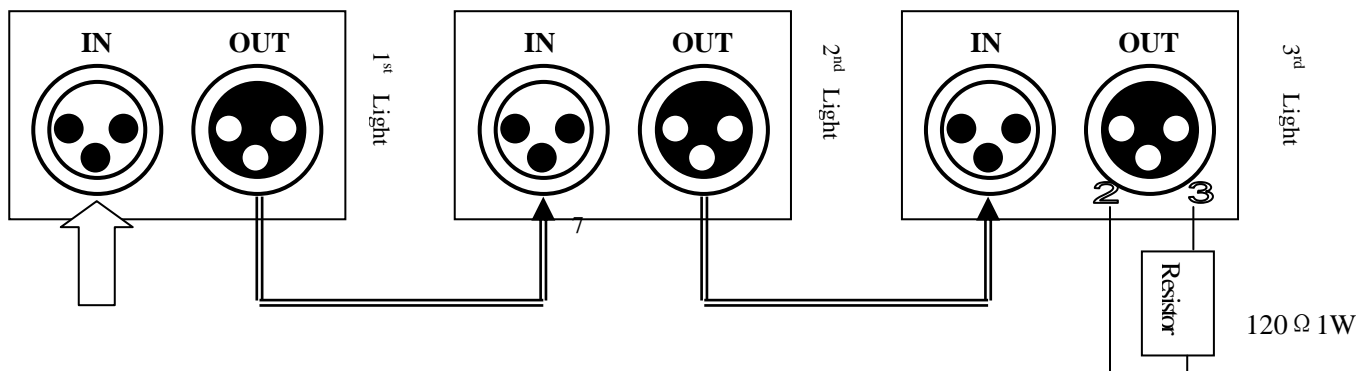
2. Usage of the Signal Cable & Connector

The connection between the output of master light and input of the slave light, 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.

see picture:



DMX IN

3. DMX Channel Form

This light with 2 channels under DMX Mode, the channel 1 is speed, the channel 2 is brightness, channel value as follow:

| DMX Channels | DMX Channel values | details |
|------------------|--------------------|--|
| CH1 (speed) | 0-255 | Speed from 0 to the fastest |
| CH2 (brightness) | 0-255 | Brightness from the minimum to maximum |

VI、Appendix

Operating Instruction

- (1) Please do not use the light over time, it will keep the light in normal work life. Please don't shake the light randomly when it's working ,also don't be roughly during the installation and operation.
- (2) The light must keep dry and avoid to use under the Moist、Overheat or Dusty surroundings when you are choosing the installation position. The light must keep a distance with any flammable objects by 1M at least.
- (3) Use the appropriate and safety power cable to connect the light.
- (4) Please operate the light when all the specifications are familiar. Most of the damage was caused by the abnormal operation, so the nonprofessional person is not allowed for operation.
- (5) The light should keep with original packing when transporting.
- (6) Please do not arbitrarily modify the light, it may lead to short circuit, burning, electric shock and lamp explosion. We will not take any warranty for the faulty and damage which caused by the unauthorized and nonprofessional dismantle and repair.

VII、Maintenance

1. Cleaning and Using Frequency of Product

Please make sure that the light is power off before dismantling or maintaining, it's very important to keep the light be cleaning. Frequently keep cleaning, it will get maximum brightness output, but also prolong it's work life. It's suggested to use the high quality、 professional glass detergent and soft cloth to clean the light. It's not allowed to use the alcohol and chemical solvent absolutely, the inner part of the light should be cleaned by vacuum cleaner at least once each year.

When the light doesn't work, please check if the fuse is burnt out or not? If it is, the same fuse should be replaced, find out the faulty and restart the light. But please note the repair must be handled by professional.

2. Complaints

- (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) QC and Technology department will analysis the complained problem, and give a final solution to customer

VIII、 Faulty Disposal

| Fault description | Solution |
|--------------------------|--|
| Light doesn't work | 1. Check if the fuse is burnt out? 2. Check if the power is correctly connected? |
| Lamp doesn't work | 1、 check if the lamp is damaged? 2、 check if the trigger coil of the circuit board is damaged? 3、 check if the IC of the circuit board is damaged? |