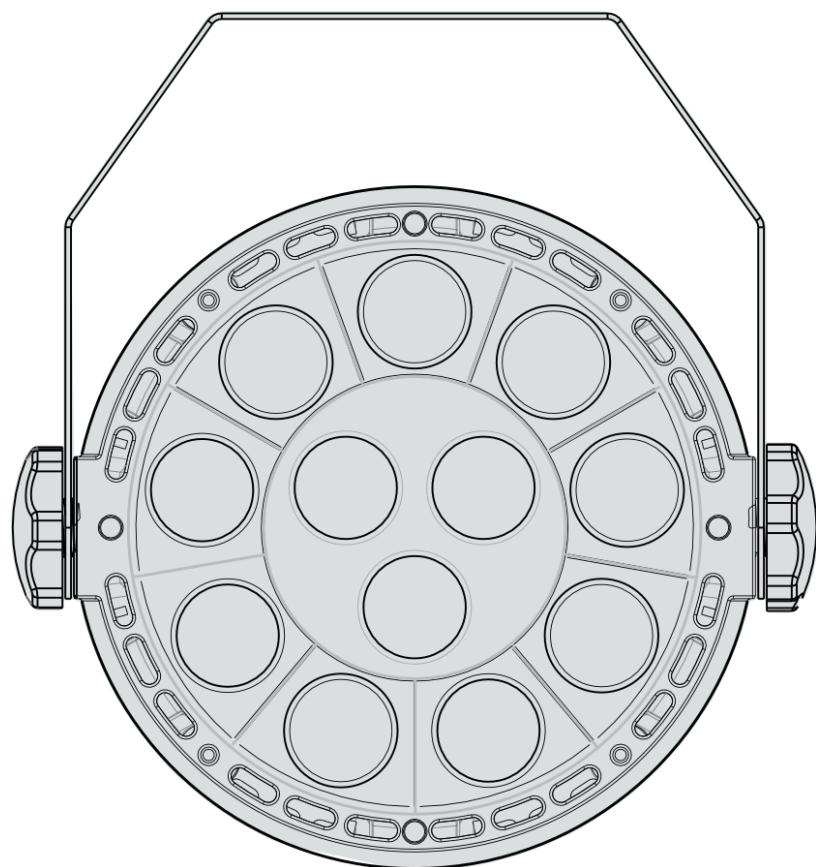




## SPS-120-DMX LED Party Spot



## User Manual

Item number: 00069701  
Version: 08/2020

Thank you for choosing this product. To ensure that you are completely satisfied with this product, please read and understand this manual carefully.



## PLEASE READ CAREFULLY

Please keep this manual in a safe place for future reference. Hand over all documents when passing on the product to third parties. Never leave children unattended with the packaging material. For products packed in plastic bags, there is a risk of suffocation from packaging materials. The product should only be used under adult supervision. Only use the product if it is in perfect condition. Do not use the product if damage is visible or suspected. We are not liable for any damage that occurs as a result of non-observance of the safety instructions or incorrect or improper handling.



Follow the operating instructions!



### WARNING

The WARNING signal word identifies hazards that, without precautions, could result in serious injury.



### NOTE

The signal word NOTE indicates general precautions that should be observed when handling the product



### NOTE

Images and screen images in this manual may differ slightly from the actual product's appearance, as long as it does not adversely affect the technical characteristics and safety of the product.



### NOTE

All personal phrasing in this manual should be considered gender neutral.

This operating manual applies to responsible users and to persons who have been supervised or instructed in the operation of the device by a person responsible for their safety and who have proven that they are capable of handling the device.



**Children should be supervised to ensure that they do not use this device as a toy.**

**Never allow children to play unattended with the packaging material.**



**Risk of damage to property! We are not liable for accidents that occur as a result of non-observance of the safety instructions or incorrect handling.**

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## **WARNING**

### **Caution**

Please observe the following basic instructions in order not to endanger yourself or others and to avoid damage to external devices.

## **NOTE**

### **Warnings**

Do not disassemble or modify the product. This could result in injury from electric shock. If you notice that the power cord shows obvious signs of wear, the appliance is malfunctioning, smells burnt or smokes, immediately unplug the appliance from the wall outlet and refer servicing, maintenance or repair to an authorised service centre or your dealer.

Before cleaning the product, you should turn it off and disconnect it from the power supply. Always place the product on a flat, stable surface to ensure a secure stand.

Do not use the product in a damp or wet environment.

Do not place containers filled with liquids, such as vases, glasses or bottles, on the product. Do not place small objects on top of it that could slide in, such as hairpins, sewing needles or coins.

## **NOTE**

### **Precautions**

To avoid damage to the product, do not place it in places with high temperatures or a lot of dust, do not place it directly next to an air conditioner and avoid direct sunlight.

Do not place the article near other electrical equipment to avoid interference.

Do not use force when handling the product or place heavy objects on it.

Disconnect the power supply if you are not going to use the device for a longer period of time. To disconnect the power, pull the plug, not the cable.

Please handle the power cable with care. It should not be near radiators, do not place heavy objects on it and lay it in such a way that no persons can step on it or fall over it.

## **WARNING**

### **Mains voltage**

If an external power supply unit is required for use, connect it to an outlet with the correct voltage.

Do not connect the device to a different mains voltage than that for which your product is intended.

Unplug the power cord from the wall outlet when not using the product or when there is a thunderstorm.

## **WARNING**

### **Installation / Hanging mounting**

The installation may only be carried out by authorised specialist personnel! In case of overhead rigging, please observe the applicable standards and regulations in your country. In any case, a second independent suspension must be used to secure the unit. This can be ensured by a safety net or a suitable safety rope/chain or similar. When mounting the unit on a stand, its secure stand and compliance with its maximum load must be ensured.

## **WARNING**

### **Fire hazard**

Do not attach the product to flammable materials. Do not cover ventilation slots and do not operate the product above 40°C ambient temperature. Use the attached holding device for mounting. Keep a safety distance of at least 50cm to all other surfaces. Maintain a minimum distance of at least 50cm between the light emission and the illuminated area. Keep liquids, moisture and inflammable materials away from the product.

## **NOTE**

### **High light intensity**

High light intensity can cause visual damage. Do not look directly into the light source.

## **NOTE**

### **Epilepsy**

Flashing light can cause epileptic seizures. People who are sensitive to flasing light should avoid exposing themselves to flashing light and refrain from looking directly at the light source.

## **NOTE**

### **Place**

Do not expose the product to the following conditions to avoid deformation, discoloration or major damage:

Direct sunlight, extreme temperature or humidity, excessively dusty or dirty place, strong vibrations or shocks, strong magnetic fields

## **NOTE**

### **Cleaning**

Clean the product only with a soft, dry cloth. Do not use paint thinner, solvents, cleaning fluids or chemically impregnated wipes.

## **NOTE**

### **Handling**

Do not exert excessive force on operating elements such as switches, knobs, buttons, and fastening screws.

Do not insert any paper, metal or other objects inside. If this happens, unplug the AC adapter/power cord from the wall outlet. Have the product checked by qualified service personnel.

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## **1. General overview**

The SPS-120 -DMX LED Partyspot is a powerful RGB LED light effect that produces multicolored light beams. You get the best effect in connection with a fog machine. This lighting effect is DMX controllable, but can also be used stand-alone or in master-slave circuit.

## **2. Commissioning and mounting**

Connect the mains cable to a socket with the appropriate performance data. Do not use a dimmer.

To ensure adequate ventilation, install the light effect with the bracket or holding device. Operate the spotlight to all other sides with a minimum distance of 50cm to surfaces. Keep a minimum distance of at least 50cm between the light emission and the illuminated area.

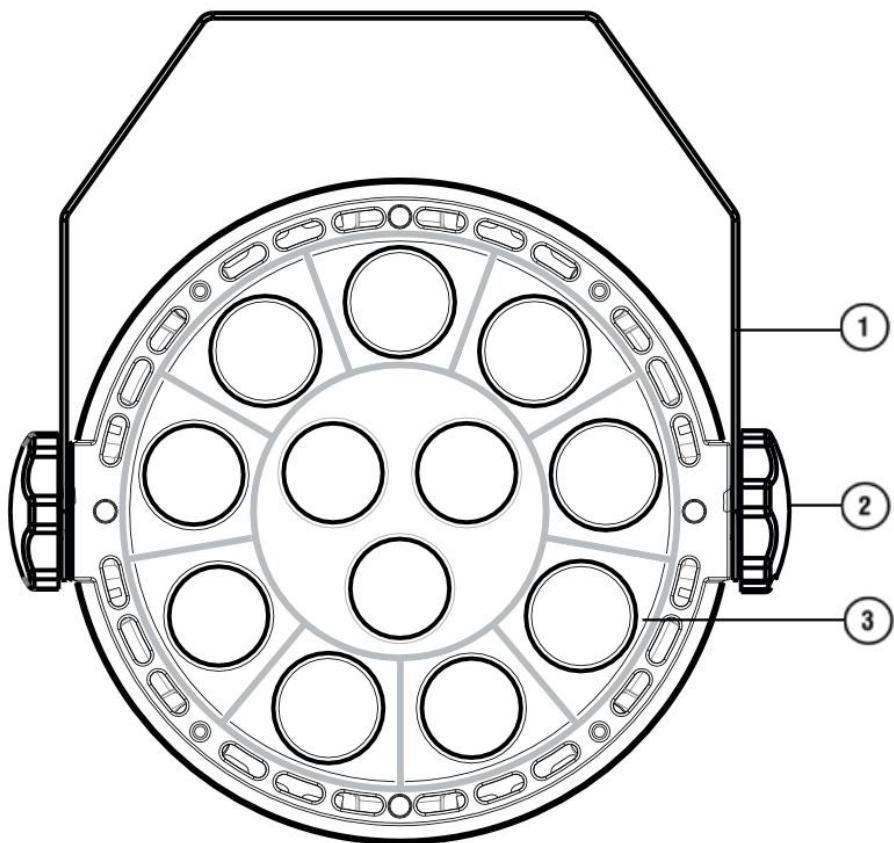
This spotlight is only intended for operation in dry indoor areas (protection class IP20). Keep the spotlight away from liquids, moisture and flammable materials.

Fasten the spotlight carefully to prevent injury from falling.

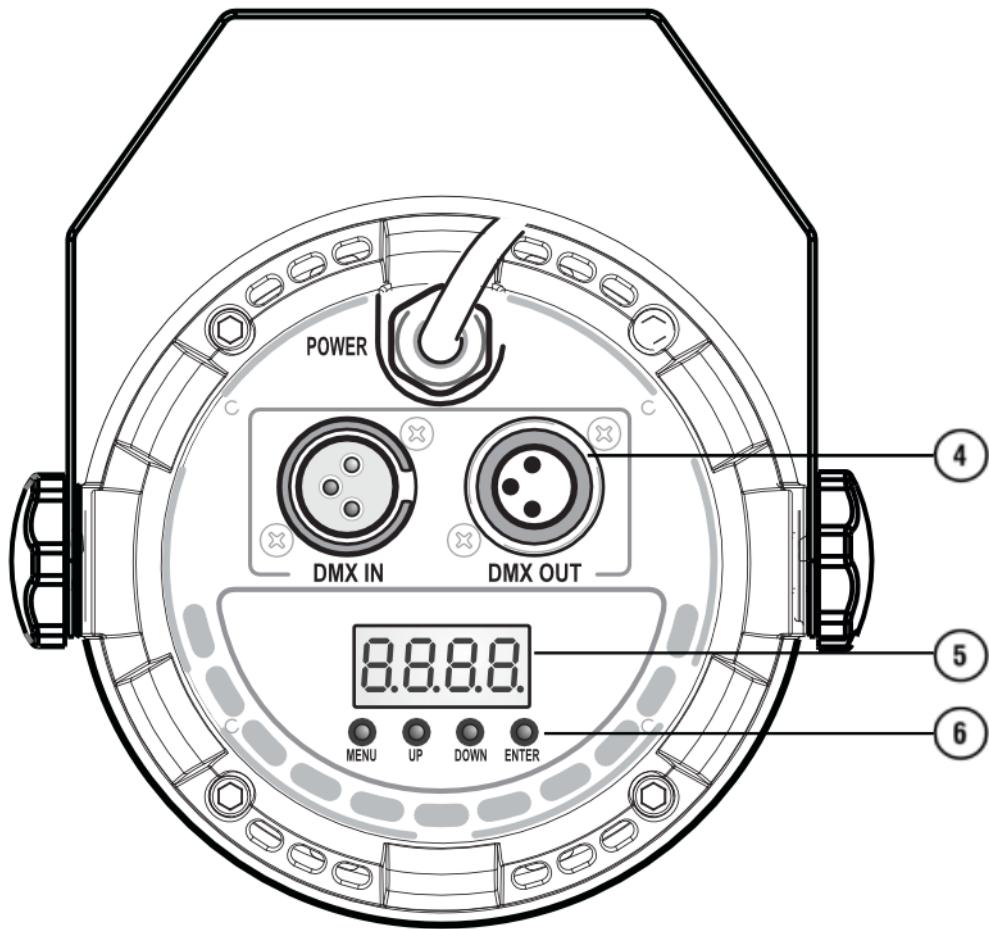
The spotlight may only be mounted and secured by qualified personnel.

In case of overhead rigging, please observe the applicable standards and regulations in your country. In any case, the installation must be secured by a second independent suspension (e.g. safety net, safety rope, safety chain).

### 3. Product overview and operating elements



No.	Name	Function
1	Bracket	For mounting the fixture. Please observe the instructions for commissioning and mounting
2	Locking screw	Loosen the plastic screws on the sides to change the angle and then tighten them again sufficiently.
3	Lens	Light emission



No.	Name	Function
4	DMX connections	For connection to the DMX controller or the next lighting effect.
5	Display	Used to display the set values.
6	Control buttons	MENU UP DOWN ENTER

## 4. Operation

After connecting the device to the mains, it is ready for operation. The display shows the last operating mode. The operating modes can be selected via the display and the control buttons. All settings remain stored, even when the unit is disconnected from the power supply.

### Menu structure

The operation is carried out via the keys MENU, UP, DOWN and ENTER. The display shows the respective menu or the corresponding values. Press the MENU key repeatedly until the desired selection is shown in the display. Change the values to be set with the UP or DOWN keys. Press ENTER to access any submenus (speeds). For details of each menu item, refer to the following table.

Menu	Display	Values	Speed value (display flashes)	Explanation
DMX address	d001	001-512		Select the desired DMX address by pressing the UP or DOWN button
Preset colors	A1.	01-18		01: R+G+B (white) 02: R (red) 03: G (green) 04: B (blue) 05: R+G (yellow) 06: G+B (turquoise) 07: R+B (magenta) 08: R+G+B (white) 09: R+G (yellow) 10: R+B (magenta) 11: R (red) 12: G+B (turquoise) 13::G (lgreen) 14: B (lblue) 15: R+G (yellow) 16: R+B (magenta) 17: G+B (turquoise) 18: R+G+B (white)
color change	A2.		01-32	Change Colors: The colors in the Preset colors list run sequentially.  The values 01-32 determine the speed of the change

colour fade	A3.	01-19	01-32	<p>The values 01-19 determine the color sequence</p> <p>01: R,G,B      02: R pulsating      03: G pulsating      04: B pulsating      05: R+G pulsating      06: G+B pulsating      07: R+B pulsating      08: R+G+B pulsating      09: R-G      10: R-B      11: R-blackout      12: G-B      13: G-blackout      14: B-blackout      15: R-G blackout      16: R-B blackout      17: G-B-blackout      18: R-G-B      19: R-G-B</p> <p>The values 01-32 determine the speed of the color change fading</p>
Music control	A4.	01-19	01-04	<p>The values 1-19 determine the color sequence</p> <p>01: R+G+B      02: R      03: G      04: B      05: R+G      06: G+B      07: R+B      08: R+G+B      09: R+G      10: R+B      11: R      12: G+B      13: G      14: B      15: R+G      16: R+B      17: G+B      18: R+G+B      19: R+G+B</p> <p>The values 01-04 determine the speed of reaction to the music signal</p>

Strobe Effect	A5.	01-19	01-32	<p>The values 01-19 determine the color sequence</p> <p>01: R+G+B 02: R 03: G 04: B 05: R+G 06: G+B 07: R+B 08: R+G+B 09: R+G 10: R+B 11: R 12: G+B 13: G 14: B 15: R+G 16: R+B 17: G+B 18: R+G+B 19: R+G+B</p> <p>The values 01-32 determine the speed of the strobe effect</p>
Color Change+Color Fade	A6.			<p>Automatic mode</p> <p>No variable settings</p>
Pulsating Color Change	A7.	01-19	01-32	<p>The values 01-19 determine the color composition</p> <p>01: R,G,B 02: R 03: G 04: B 05: R+G 06: G+B 07: R+B 08: R+G+B 09: R+G 10: R+B 11: R 12: G+B 13: G 14: B 15: R+G 16: R+B 17: G+B 18: R+G+B 19: R+G+B</p> <p>The values 01-32 determine the speed of the pulse effect</p>

Intensity red	r.	000-255		Intensity of the colour red
Intensity green	G.	000-255		Intensity of the colour green
Intensity blue	b.	000-255		Intensity of the colour blue

### **Stand-alone operation**

This lighting effect can be operated without an external control unit. Seven function modes are available for this purpose. These are: Preset colors, Color Change, Color Fade, Music Control, Strobe Effect, Color Change+Color Fade and Pulsating Color Change. Please refer to the table "Menu Structure" for the control of the corresponding function modes.

With the help of the settings r,G,b, you can create an individual color mixture. Change the intensity of the individual basic colors to create the desired mixed color.

### **Master-Slave operation**

You can control up to 32 units using a master fixture without using an external DMX controller.

1. Set all units to DMX address d001
2. Now connect the DMX-out of the first fixture (master) to the DMX-in of the second fixture (slave1). If you want to add more fixtures, connect the DMX-out of the second fixture to the DMX-in of the third fixture, and so on.

All fixtures now follow the settings selected on the first fixture (Master).

### **Operation with external DMX controller (5-channel mode)**

The spotlight uses 5 consecutive channels to connect to the DMX controller. To set the desired DMX addressing, select the first DMX channel you want to control from the controller in the menu. The other four channels are created automatically. For example, select d011 to use control channels 11-15. To operate several spotlights in parallel, use the same channel assignment. Please make sure that no other devices with one or more identical DMX addresses are integrated to ensure error-free operation.

If the fixture receives data from a DMX512 controller, the dot behind the channel number of the selected start address flashes.

## DMX protocol

Set for X your selected DMX start address.

Example: With start address selected 011

X=11

X+1= 12

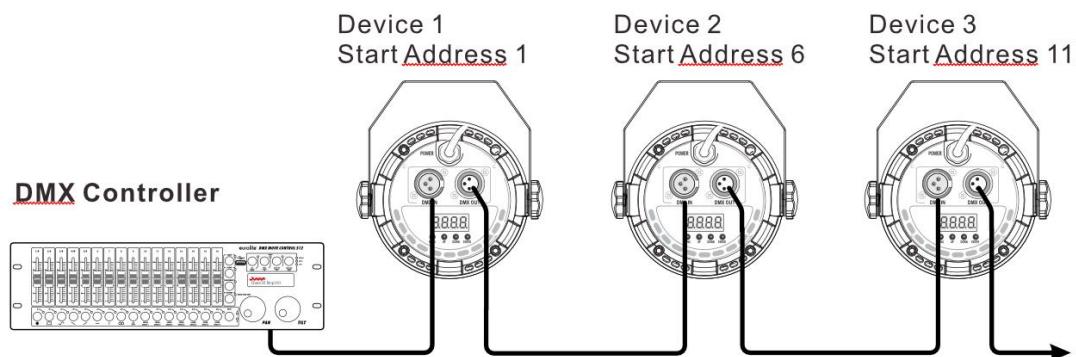
X+2= 13

X+3= 14

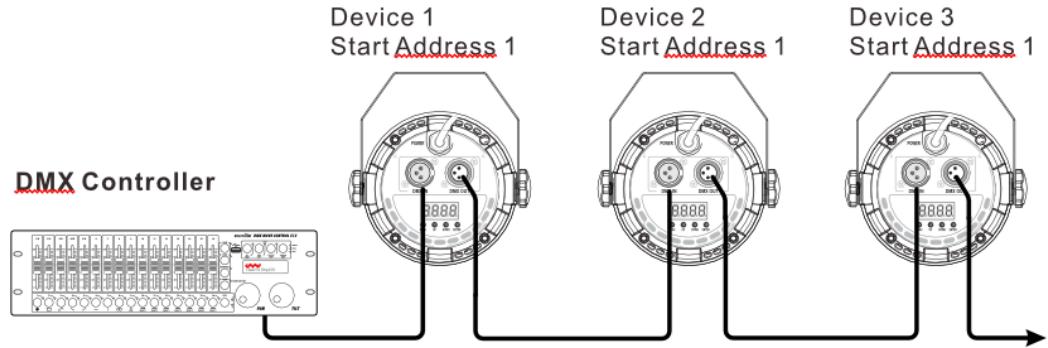
X+4= 15

CHANNEL	Value	Function
X	000-255	Intensity red (0-100%)
X+1	000-255	Intensity green (0-100%)
X+2	000-255	Intensity blue (0-100%)
X+3	000-255	Dimmer (0-100%)
X+4	001-005 011-255	Music control (increasing speed) Strobe effect (increasing speed)

Use the following connection chain if you want to control several headlights individually with your controller.

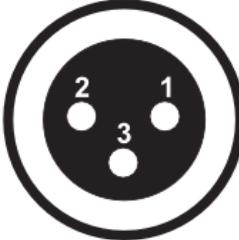


Use the following connection chain if you want to control several headlights identically with your controller.



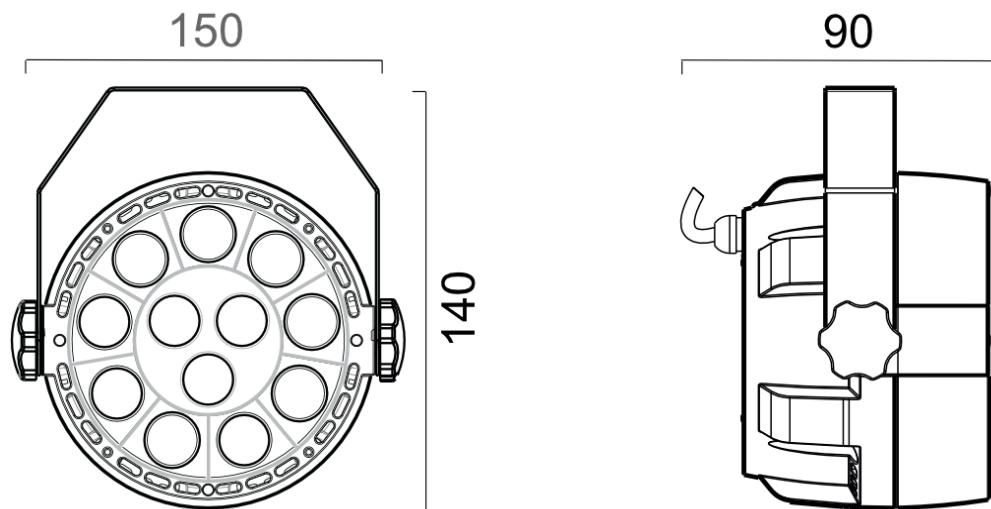
The connecting chain should not exceed a length of 300m or a number of 32 units.  
Use a terminating resistor at the end of the chain.

#### DMX XLR pin assignment

DMX-OUT XLR female	DMX-IN XLR-Male
 1:Ground 2:Signal(-) 3:Signal(+)	 1:Ground 2:Signal(-) 3:Signal(+)

## 5. Technical data

Article description	SPS-120 -DMX LED Party Spot
LED Power	12x 3W 3in1RGB LED
Beam angle	17°
Size in mm	150x140x90
Weight in kg	0,46
Power supply	AC 220-240V 50/60Hz
Power consumption	10W
Operating temperature max.	40°C
Protection class	IP20
DMX	DMX-IN, DMX-OUT 5-channel mode



## **WEEE declaration**

**(Waste of Electrical and Electronic Equipment)**

Your product has been designed and manufactured with high quality materials and components that are recyclable and can be reused.

This symbol means that electrical and electronic devices must be disposed of separately from household waste at the end of their useful life.

Please dispose of this device at your local municipal collection point or at the recycling center.

Please help preserve the environment we live in.



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