



LED blinder light

LED Matrix 25X10W COB BLINDER

RGBW4IN1 LED



USER MANUAL

Ver1.0

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Thank you for purchasing a Nightowl **25 LEDs Blinder**. These Blinder light will provide you will years of trouble free service and allow you to be far more flexible and innovative due to their color mixing capabilities, low power consumption, and the variety of control options.

To optimize the performance of this product, please read these operating instructions carefully to familiarize yourself with its basic operations. These instructions contain important safety information regarding the use and maintenance of this unit. Please keep this manual for future reference.

Safety and Proper Use

- 0 When unpacking and before disposing of the carton check there's no transportation damage before using the projector. Should there be any damage caused by transportation, consult your dealer and do not use the apparatus.
- 0 The projector is for indoor use only, IP20. Use only in dry locations. Keep this device away from rain and moisture, excessive heat, humidity and dust. Do not allow contact with water or any other liquids.
- 0 DO NOT mount the projector directly onto in ammable surface
- 0 The projector is only intended for installation, operation and maintenance by qualited personnel.
- 0 The projector must be installed in a location with adequate ventilation, at least 50cm from adjacent wall surfaces. Be sure that no ventilation slots are blocked.
- 0 Do not project the beam onto in ammable surfaces, minimum distance is 5m
- 0 Avoid direct exposure to the light from the lamp. The light is harmful to the eye. Do not attempt to dismantle and/or modify the projector in any way.
- 0 Electrical connection must only be carried out by qualited personnel.
- 0 Before installation, ensure that the voltage and frequency of power supply match the power requirements of the projector. It is essential that each projector is correctly earthed and that electrical installation conforms to all relevant standards.
- 0 Keep a projector's optical system clean. Do not touch LED lens with bare hands.
- 0 The projector should always be installed with a secondary safety. A safety cord is supplied for this; it should be attached as shown in "installing the projector" section.
- 0 Shields and lens shall be changed if they have become visibly damaged to such an extent than their effectiveness is impaired

1. Before you operating

1.1 Packing list

Product name	Quantity
LED Matrix Light	1 pcs
Power cable	1pcs
User manual	1pcs

1.2 Unpacking instructions

When you get this product, please take it from carton carefully to make sure whether all the accessories are in and damaged or not. When you find that there are any parts or wrong sign with the carton, or non-operation, please inform us and to keep the carton and shipping bill completely.

1.3 AC Power

Please check the manual book before you operate the light. The rating current of the light listed which shows the average current-consume under the normal circumstances.

All the lights must be offered shoot-through circuit, it could not be connected dimmer circuit, although the dimmer channels are completely for 1-100% switch.

Before the light's working, please confirm the correct voltage.

Warning! Confirm the voltage to select switch which can be matched the circuit with the light. If it is different from the supply power and light, it will damage the light! All the light must be connected the earth, not all the lights have the switch to be selected.

Please connect the correct voltage!

1.4 Safety instructions

Please read these instructions carefully, it includes important information about the light's installation, usage and maintenance of this product.

Please confirm the same voltage to the light.

The light could not be water-proof, it only allow to be used in door. Don't expand the light in wet or rain day, to avoid fire or damaged light.

Please confirm there is no flammable material around the light.

The light must be set up the ventilating place. The distance is $\geq 51\text{cm}$ around approach material. To check the air passage is OK at any time.

The Maximum temperature is $\leq 40^{\circ}\text{C}(104^{\circ}\text{F})$.

When the lights has problems, please stop to use to contact the supplier. Don't repair it by yourself!

Don't connect by a dimmer.

To confirm the power wire is straight and non-damaged. Don't pull it directly.

Don't look at the bulb when the light is working to avoid any hurt.

2. Introduction

2.1 Features

9/30/105DMX channels.

RGBW 4-in-1 COB LED light source

life long is 50000-10000 hours.

Variable electronic dimmer(0-100%).

Control mode:Auto,sound,DMX512 mode

Cool: temperature protector

2.2 DMX channel

9 CHs

CH	Function	Description
1	Dimmer	R, G, B, W Dimmer, Linear Dimmer, Dark to Bright
2	Strobe	R, G, B Strobe, Slow to Fast
3	Function 1	0-13 DMX 9Channels Controlling; 14-21 Choice color; 22-29 Color jumping to change; 30-37 Color gradually change; 38-45 <i>Patterns</i> Run 1; 46-53 <i>Patterns</i> Run 2; 239-246 <i>Patterns</i> Run 24; 247-255 Sound activation.
4	Function 2	0-5 DMX 9Channels Controlling 6-130 126pcs <i>Patterns</i> choice.
5	Function Speed 1	Function speed, from slow to fast.
	Function Speed 2	0-31 Fixed <i>Patterns</i> direction 1; 32-63 Fixed <i>Patterns</i> direction 2; 64-95 Fixed <i>Patterns</i> direction 3; 9--126 Fixed <i>Patterns</i> direction 4; 127-195 <i>Patterns</i> clockwise rotation from slow to fast; 196-255 <i>Patterns</i> Anticlockwise rotation from slow to fast.
6	Red	R, Linear Dimmer, Dark to Bright
7	Green	G, Linear Dimmer, Dark to Bright
8	Blue	B, Linear Dimmer, Dark to Bright
9	White	W, Linear Dimmer, Dark to Bright

30 CHs

CH	Function	Description
1	Dimmer	R, G, B, W Dimmer, Linear Dimmer, Dark to Bright
2	Strobe	R, G, B Strobe, Slow to Fast
3	Function 1	0-13 DMX 30 Channels Controlling;

		14-21 Choice color; 22-29 Color jumping to change; 30-37 Color gradually change; 38-45 <i>Patterns</i> Run 1; 46-53 <i>Patterns</i> Run 2; 239-246 <i>Patterns</i> Run 24; 247-255 Sound activation.
4	Function 2	0-5 DMX 30 Channels Controlling 6-130 126pcs <i>Patterns</i> choice.
5	Function Speed 1	Function speed, from slow to fast.
	Function Speed 2	0-31 Fixed <i>Patterns</i> direction 1; 32-63 Fixed <i>Patterns</i> direction 2; 64-95 Fixed <i>Patterns</i> direction 3; 9--126 Fixed <i>Patterns</i> direction 4; 127-195 <i>Patterns</i> clockwise rotation from slow to fast; 196-255 <i>Patterns</i> Anticlockwise rotation from slow to fast.
6	1	R, G, B, W Linear Dimmer
7	2	R, G, B, W Linear Dimmer
8	3	R, G, B, W Linear Dimmer
9	4	R, G, B, W Linear Dimmer
.....
30	25	R, G, B, W Linear Dimmer

105 CHs

CH	Function	Description
1	Dimmer	R, G, B, W Dimmer, Linear Dimmer, Dark to Bright
2	Strobe	R, G, B Strobe, Slow to Fast
3	Function 1	0-13 DMX 105 Channels Controlling; 14-21 Choice color; 22-29 Color jumping to change; 30-37 Color gradually change; 38-45 <i>Patterns</i> Run 1; 46-53 <i>Patterns</i> Run 2; 239-246 <i>Patterns</i> Run 24; 247-255 Sound activation.
4	Function 2	0-5 DMX 105 Channels Controlling 6-130 126pcs <i>Patterns</i> choice.
5	Function Speed 1	Function speed, from slow to fast.
	Function Speed 2	0-31 Fixed <i>Patterns</i> direction 1; 32-63 Fixed <i>Patterns</i> direction 2; 64-95 Fixed <i>Patterns</i> direction 3; 9--126 Fixed <i>Patterns</i> direction 4; 127-195 <i>Patterns</i> clockwise rotation from slow to fast; 196-255 <i>Patterns</i> Anticlockwise rotation from slow to fast.
6	R1	R1 Linear Dimmer
7	G1	G1 Linear Dimmer
8	B1	B1 Linear Dimmer
9	W1	W1 Linear Dimmer
10	R2	R2 Linear Dimmer
11	G2	G2 Linear Dimmer
12	B2	B2 Linear Dimmer
13	W2	W2 Linear Dimmer
...
105	W25	W25 Linear Dimmer

3. Setup

3.1 Fixture linking

When you control the light's master/slave or DMX 512 signal agreement, the lights can be connected by signal wire which the distance is $\leq 500m$, The maximum connect lights are 32pcs more or less, and adapt DMX light pair to segregate the signal zoom equipment, in order to protect the light's signal won't be interrupted by other signal. Moreover, it won't affect by the signal wire's length

Data connect

Data cable is connected by DMX data wire, and XLR. Please use hi-quality data cable signal wire, it won't be interrupted by magnetic.

Characteristics of DMX data cable

2 conductors' double tree lace and shield.

The maximum capacitance of the conductors-30 pF/ft.

The maximum capacitance of the conductor and shield -55 pF/ft.

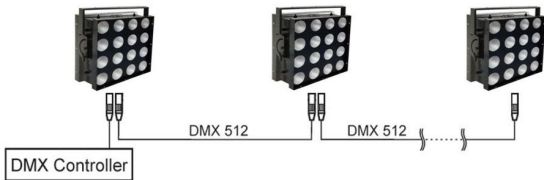
The maximum resistance is 20 ohms/1000ft.

The nominal impedance 100-140 ohms.

DMX opt coupler segregate signal zoom equipment's 3 pin(5 pin) XLR plug.

3.2 Setting up a DMX signal connect

As following pictures show, please connect the first light to the signal cable which is with XLR by DMX controller, then, connect light in series.

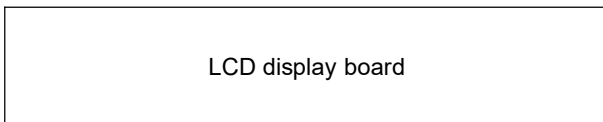


The light must be set up the ventilating place. To confirm there is nothing to hinder the heat dissipation place. When the light is hanged, please choose a safety wire.

4. Operating instructions

4.1 Menu configurations

Access control panel functions using the four panel buttons located directly under near the the LCD Display.



MENU UP DOWN ENTER

Button	Function
MENU	Used to access the menu or return to a previous menu option.
DOWN	Scrolls through menu options in descending order.
UP	Scrolls through menu options in ascending order.
ENTER	Used to select and store the current menu or option within a menu.

When a menu function is selected, the display will show immediately the first available option for the selected menu function. To select a menu item, press<ENTER>.

Press the <MENU> button repeatedly until you reach the desired menu function. Use the <UP> and <DOWN> buttons to navigate the menu options. Press the <ENTER> button to select the menu function currently displayed, or to enable a menu option. To return to the previous option or menu without changing the value, press the <MENU> button.

No alternative worth that return re-option or menu, press (MENU) button

4.2 Menu function map

No.	Display	Function
1	A001	9CH DMX Starting Address (001-512)
2	H001	30CH DMX Starting Address (001-512)
3	h001	105CH DMX Starting Address (001-512)
4	CC00	Jump Change 8 Color Chase (Speed 1-99)
5	Ed00	Gradual Change 8 Color Chase (Speed 1-99)
6	Er00	Pulse Change 8 Color Chase (Speed 1-99)
7	Tr00	Patterns Run Change (Speed 00-24), Change Patterns by UP, BOWN Button.
8	Tu00	Run Change (Speed 00-99), Change Speed by UP, BOWN Button.
9	BEB1	Sound Patterns Run Change (Speed 00-24), Change Sound control Patterns by UP, BOWN Button.
10	R200	Red Preset (Level 0-255)
11	G200	Green Preset (Level 0-255)
12	B200	Blue Preset (Level 0-255)
13	W200	White Preset (Level 0-255)
14	OPRT	Master-slave mode
15	RST	Reset

4.3 User configurations

Set-up 1pcs light's menu mode (Auto-running)

.Press the MENU, such as the picture 4.2 shows the menu function

.Use the UP/DOWN buttons to choose the right one to confirm.

Set-up Master-slave mode

Press the MENU, same as picture 4.2 shows the menu function

Master: Set any one of lights to auto、 sound or strobe control mode

Slave: Set them to DMX mode and their address code to1.

Notes: Each Master-slave group can be one and only light in master, ensure lights under this group without connection with any DMX controller.

Set-up DMX mode

The light can connect to the DMX controller to receive its signal indication, which control by DMX controller. DMX value is referenced by “

4.5 LED Rangement:

1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
16	17	18	19	20
21	22	23	24	25

5. Technical Specifications

5.1 Technical Specifications

Input Voltage AC100V -240V, 50Hz/60Hz

Lamp resource 25 x 10W RGBW COB LED

Control model	Auto, sound, DMX512 signal
Max temperature	104°F(40°C)
Outside size	460 x 460 x 230mm
N.W	17kg

5.2 Warranty

One (1) Year Limited Warranty

Subject to the limitations set forth below, Nightowl Stage Lighting hereby represents and warrants that the components of this product shall be free from defects in workmanship and materials, including implied warranties of merchantability or fitness for a particular purpose, subject to normal use and service, for one (1) year the original owner from the date of purchase.

Retailer and manufacturer shall not be liable for damages based upon inconvenience, loss of use of product, loss of time, interrupted operation or commercial loss or any other incidental or consequential damages including but not limited to lost profits, downtime, goodwill, damage to or replacement of equipment and property, and any costs of recovering, reprogramming, or reproducing any program or data stored in equipment that is used with our products. This guarantee gives you specific legal rights. You may have other legal rights which vary from country to state. Some country do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.

Returns

Returned merchandise must be sent prepaid and in the original packing. Package must be clearly labeled with a Return Merchandise Authorization Number (RMA #).

For repair and warranty service contact contact Nightowl Stage Lighting at NightowlStageLighting.com for an RMA number and shipping instructions. Include a phone number in case we need to speak to you in person. Our website contains all up to date contact information.

Claims

Damage incurred in shipping is the responsibility of the shipper; therefore, the damage must be reported to the carrier upon receipt of merchandise. It is the customer's responsibility to notify and submit claims with the shipper in the event that a fixture is damaged due to shipping. Any other claim for items such as missing component/part, damage not related to shipping, and concealed damage, must be made within seven (7) days of receiving merchandise. We will be happy to assist you with your shipping claim should there be an issue.