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COB100UV

100W COB UV LED Flood Light.



User's instruction manual

This manual contains important information about the safe installation and use of this product

Please read this instruction manual carefully before installing or operating

Please keep these instructions in a safe place for future reference

V1.01

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Introduction

Thank you for the purchase of your COB100UV COB LED 100W UV Ultra Violet Wash Fixture by Light Emotion. We are confident you will be satisfied with your purchase and enjoy many years of use from this Professional Light Emotion product. Please read these instructions carefully to ensure the product is well look after and used correctly to avoid any potential problems.

Please note that as part of our ongoing commitment to continuous improvement and product development, the specifications in this manual are subject to change without notice. Whilst every care has been taken in the preparation of this manual we reserve the right to change specifications in the course of product improvement.

What is in the box:

- 1 x COB100UV fixture
- Power cable
- 40 and 80 degree lens
- This user manual

1. Safety Instructions:

Please read these instructions carefully. It includes important information about the installation usage and maintenance of this product.

- Please keep this User Manual for future consultation. If you sell the unit to another user, be sure that they also receive this instruction booklet.
- Always make sure that you are connecting to the proper voltage and that the line voltage you are connecting to is not higher than that stated on the sticker of the fixture.
- This product is intended for indoor use only. To prevent risk of fire or shock, do not expose fixture to rain or moisture.
- Make sure there are no flammable materials close to the unit while operating.
- The unit must be installed in a location with adequate ventilation, at least 50cm from adjacent surface. Be sure that no ventilation slots are blocked.
- Always disconnect from power source before servicing.
- Secure fixture to stands, trussing and the like using a safety chain.
- Maximum ambient temperature is 40°C. Do not operate fixture at temperatures higher than this.
- In the event of serious operating problem, stop using the unit immediately. Never try to repair the unit by yourself. Repairs carried out by unskilled people can lead to damage or malfunction. Please contact the nearest authorized technical assistance centre.
- Make sure power cord is never crimped or damaged.
- Never disconnect power cord by pulling or tugging on the cord.
- Never carry the fixture directly from the cord. Carry by holding the unit directly or via the hanging bracket.
- Avoid direct eye exposure to the light source while it is on.

2. Installation:

Caution: For safe mounting of this product, please read the following carefully.

- Use a suitable clamp to attach to lighting stand, trussing or bar, together with safety chain.
- When mounting the product, do not stand directly underneath the product
- Always use a safety chain when mounting the product on stands, trussing or bars. Make sure the breaking strain rating of the chain is at least 10 times the weight of the product.
- Make sure there is adequate ventilation around the product.
- Never look directly into the LED light or laser sources of the product.
- For indoor use only – do not use outdoors.
- To avoid electrical shock, keep away from rain and moisture.

3. Features

This product is designed as entertainment effect lighting fixture and is only intended to be used as an effect for entertainment and production applications. Due to our ongoing commitment to constantly reviewing and improving products, features and specifications are subject to change without prior notice.

It features 1 100W UVCOB LED which is a single LED source designed to be very bright. Being a single UV LED source, the light outputs UV as a UV flood light. This product produces true UV, not just purple or dark blue light.

This unit has built-in protection which will shut off the unit should its internal temperature reach 85 degrees C. This protects the internal electronics and components from damage caused by over heating.

- Power input: AC 100V-240V/50HZ-60HZ
- Wattage: 97W
- LEDs: 1 pc 100W COB UV LED
- Beam angle of LEDs: 80 degree, or 40 degree with interchangeable lens included
- 3-pin female XLR socket and 3-pin male XLR socket
- Built-in microphone
- Four button LED digit display
- Fuse: M205 2A slow blow
- Maximum 7 fixtures can be daisy chained together for power (DMX technically unlimited)
- Weight: 3.5 kg
- Size: 330x245x192mm

4. Operation.

The COB100UV has 6 modes of operation which are as follows:

Manual dimmer colour mode, Sound active mode, Auto-run program mode, Other program select mode, Slave mode, DMX mode

Each mode is accessed by pressing the MODE button. The DP dot of fourth digital tube will be

flicker when you operate it, then the DP dot will be automatically off after 20 seconds if there is no further input. The four digital tube will display current operation mode. You have to press the MODE button if you want to operate the unit again.

MODE manual	SET UP manual	UP/DOWN manual	Instruction
DMX MODE	Address	0001~0512	Sets the DMX starting address
SLAVE MODE	Slave mode	5000	Set the unit into slave mode
DIMMER MODE	UV dimmer	0000~0255	Adjust the intensity of the UV colour
	Flash	0500~0515	Adjust the flash speed, 0500 is flash off, 0501 is slowest, 0515 is fastest
SOUND MODE	Mode select	5000~5008	Adjust the sensitivity of the sound-active, 5000 is the lowest level, 5008 is the highest level.
	Sensitivity select		
COLOUR DREAMING MODE	Speed set	0001~0016	Adjust the speed of the colour dreaming mode – as this is single colour light, this represents fading in and out.
OTHER MODE	Display on/off	0000	LED digital tube display always on
		0001	LED digital tube display off
	Display normal/inverse	5000	LED digital tube display normal
		0001	LED digital tube display inversion
Initialization mode	0000	Initialize the unit at the extra factory setting	

A. Manual dimmer colour mode

1) Manual dimmer colour select

Press "MODE" button, select the manual dimmer colour select mode. At this time, the four digital tube displays UV "0000~0255", then press "UP" or "DOWN" button to set the dimming rate 0-255.

2) Flash speed select

Press "SET UP" to choose the flash speed select mode. At this time, the four digital tube displays "0500~0515". Press "UP" or "DOWN" button to select the flash speed 00-15, 00 is flash off, 01 is the slowest flash speed, 15 is the fastest flash speed.

B. Sound active mode

Press "MODE" button, select the sound active program mode. At this time, the four digital tube displays "5000~5008", then press "UP" or "DOWN" to select the sound active the sensitivity 1-8. 1 is off sound-active, 2 is the lowest sensitivity, 8 is the highest sensitivity.

C. Colour dreaming mode

Press "MODE" button, select the colour dreaming mode. At this time, the four digital tube displays "0001~0016", then press "UP" or "DOWN" button to select the colour dreaming speed 01-16, 01 is the slowest speed, 16 is the fastest speed.

D. Other program select mode

1) Display off/on select mode

Press "SET UP" button, select display off/on mode. Press UP or DOWN to select the four digital tube display on/off. When the digital tube displays "0000" means that the display will on in any situation, when the digital tube displays "8888" means that the display will be automatically off after 60 seconds if there is no operation.

2) Display normal/inversion select mode

Press "SET UP" button, select display normal/inversion mode. Press UP or DOWN to select the four digital tube display normal/inversion. When the digital tube displays "5555" means that the digital tube displays normally, when the digital tube displays "8888" means that the digital tube displays inversion.

3) Initialization select mode

Press "SET UP" button until the four digital tube displays "8888", and the display is flicker. Now press UP button and DOWN button at the same time, you can initialize it at extra factory setting, running on the colour dreaming mode, and the four digital tube displays "8888".

E. Slave mode

Press "MODE" button, select slave mode. At this time, the four digital tube displays "5555". Press SET UP, UP or DOWN is no use under this mode.

F. DMX mode

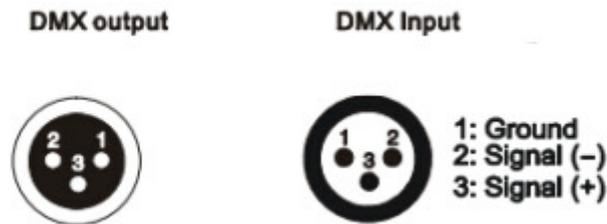
The control Board allows you to assign the DMX address which is defined as the first channel of the LED PAR. Press "MODE" button until the display is "0001~8582", then press UP or DOWN to set the DMX address. The four digital tube display will be flicker when there is no controller signal. This fixture is 1 DMX channel only.

5. DMX Profile Chart.

Channel	Value	Function
1	0 - 255	MASTER DIMMER 0% - 100%

6. DMX-512 Control Connection

Using a 3 pin XLR cable, you can connect the product to a DMX controller and then to other fixtures with 3 pin XLR inputs and outputs. When not using DMX, multiple fixtures can be connected together and operate under master/slave control. The signal cable should have two core with shielded cable, the signal connectors are XLR input and output connectors. Please refer to the below diagram:



7. DMX Address Setting

When being used in conjunction with a DMX controller, each fixture must be set a specific starting address. When receiving signal, fixture will receive channel control signals of this address from the DMX controller.

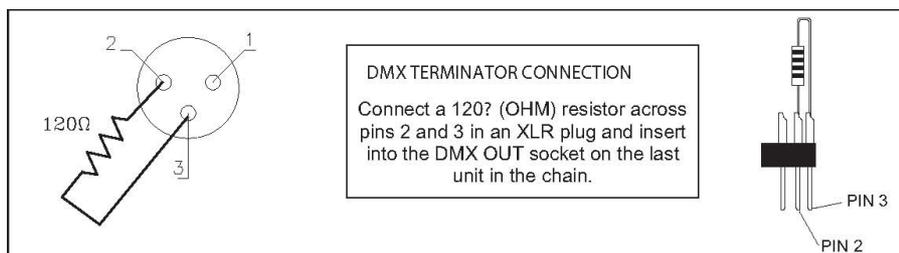
For simplicity, the user can use the same address for multiple fixtures but this will result in each fixture providing exactly the same output and fixtures with the same DMX address cannot be individually controlled.

To control each fixture individually via DMX, each fixture must have its own unique DMX address. This fixture uses only 1 DMX channel so it is a simple matter of having each DMX channel 1 channel apart (1,2,3 and so on).

Some DMX controllers may group fixtures in lots of 16 channels – so in that case, fixture 1 on channel 1, fixture 2 on channel 17, 3 on 33, and so on. Refer to your DMX controllers' instruction manual on how best to manage your DMX channel allocation.

8. DMX-512 connection with DMX terminator

A DMX terminator helps to reduce 'noise' on the DMX chain, and makes the light respond to control more accurately. It should be plugged in to the last fixture in any chain. For Terminator connections please see below:



9. Cleaning and Maintenance

From time to time it is recommended the product is cleaned to ensure maximum light output and performance. Use a wet cloth to clean the housing as well as the lenses. Please note that alcohol based cleaners and solvents cannot be used as they will cause damage to the product.

When used in a fixed long term installation such as a venue or club, the unit should be periodically taken down from the installation and professionally cleaned. Dust build-up within the unit can cause damage and ultimately failure of components.

10. Technical Data

- Power input: AC 100V-240V/50HZ-60HZ
- Wattage: 132W
- LEDs: 1 pc 150W COB LED (RGBW 4 in 1)
- Beam angle of LEDs: 80 degree, or 40 degree with interchangeable lens included
- 3-pin female XLR socket and 3-pin male XLR socket
- Built-in microphone
- Four button LED digit display
- Fuse: M205 2A slow blow
- Maximum 5 fixtures can be daisy chained together for power (DMX technically unlimited)
- Weight: 4.1 kg
- Size: 415x245x192mm

11. Warranty

This product is warranted for 2 years from your purchase date. We are confident that this product will give many years of trouble-free operation but should an unlikely problem arise, warranty claims must be via the original place of purchase, together with the original purchase receipt. Please keep both your original purchase receipt and this instruction manual together and in a safe place for future reference. Should the product be sold within the warranty period, be sure to pass on both to the new purchaser so they are able to claim warranty should they need to. We recommend you register your warranty online at www.industrygear.com.au.

Purchased from: _____

Contact Details: _____

Date Purchased: _____

Invoice/Receipt Number: _____

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