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DMX36

Basic controller for RGBWAUV HEX 6-in-1 LED Fixtures

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

Introduction

Thank you for the purchase of your DMX36 basic LED DMX controller 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 DMX36 controller
- 1 x 12VDC power supply
- This user manual

1. Safety Instructions:

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

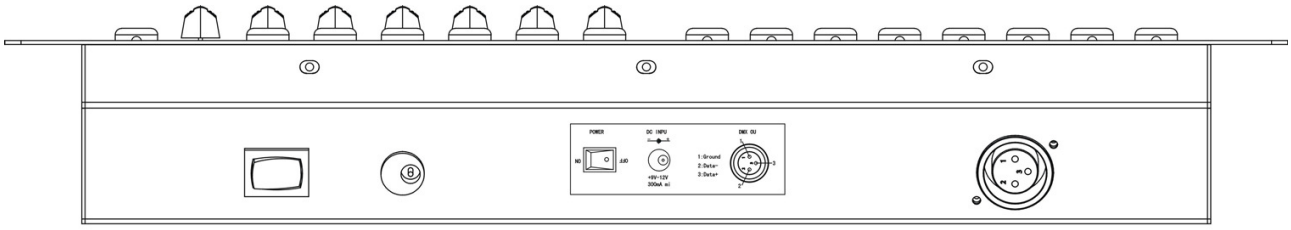
- Please keep this User Manual for future consultation. If you sell the unit to another user, be sure that they also receive this instruction booklet.
- Always make sure that you are connecting to the proper voltage and that the line voltage you are connecting to is not higher than that stated on the 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.
- Always disconnect from power source before servicing.
- 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 or power supply.
- To avoid risk of electrical shock, keep away from rain and moisture.

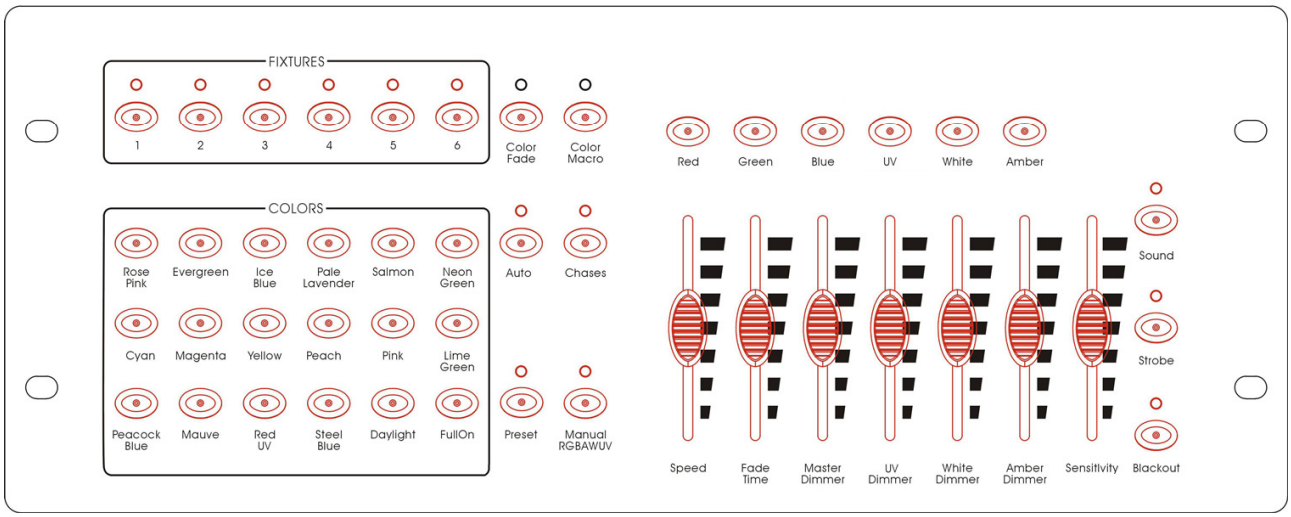
2. Features

This product is designed as entertainment lighting controller and is only intended to be used as such 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 will control any 6-in-1 RGBWAUVLED fixture that has a DMX profile with the six colours running over 6 channels where each channel represents a colour – red, green, blue, white, amber and UV. Each fixture needs to be in DMX mode, and set 6 channels apart.

3. Operation





On the rear of the product, there are connections for DMX out and power in. Connect the power supply to the power in, connect DMX out to the DMX cable going to lighting fixture(s).

A. Set the status of the fixture which is to be controlled:

1) All the fixtures must be in DMX mode
2) The DMX address of the first fixture must be set to 001,the second fixture must be set to 007,the third fixture must be set to 013,the fourth fixture must be set to 019,the fifth fixture must be set to 025,the sixth fixture must be set to 031.
3) The fixture must be in the 6 channels mode, the LED lighting protocol must be R-G-B-W-A-UV or R-G-B-A-W-UV.

B .Select the fixture which is to be controlled by HEX LED controller:

The HEX LED controller can control 6 LED fixtures at most with individual control. Note additional fixtures can be added but they repeat as light 1,2,3, etc – for example the 7th light would have to be on address 001 and treated as a second number 1 light.

Press 1,2,3,4,5,6 buttons and the corresponding LED above the button will light indicates which LED fixtures are controlled by HEX LED controller now. Each button indicates to the corresponding fixture.

For example: Press button 1 one time, the LED above the button will light indicates that fixture 1 can be controlled by HEX LED controller now; Press button 1 the second time, the LED above the button will off indicates that fixture 1 cannot be controlled by HEX LED controller now.

Note: When the LED fixture exit the control of the LED controller, it will remain the last status which is controlled by LED controller.

C.The operation on the controller to control the fixture:

Every time when the power is switched off, the controller will return to the last operational state when switched back on.

1) Color fade mode

Press Color Fade button and the corresponding LED above the button will light. Now you can use Speed fader to adjust the program running speed, use Fade Time fader to adjust the fade time, use Master Dimmer fader to control all the LEDs intensity, use UV Dimmer fader to control the UV LEDs intensity, use White Dimmer fader to control the white LEDs intensity, use Amber Dimmer fader to control the Amber LEDs intensity.

2) Auto run mode

Press Auto button and the corresponding LED above the button will light. Now you can use Speed fader to adjust the auto run speed, use Fade Time fader to adjust the fade time, use Master Dimmer fader to control all the LEDs intensity, use UV Dimmer fader to control the UV LEDs intensity, use White Dimmer fader to control the white LEDs intensity, use Amber Dimmer fader to control the amber LEDs intensity.

3) Color macros mode

Press Color Macro button and the corresponding LED above the button will light.
You can use Speed fader to select your preferable static colors, use Fade Time fader to adjust the fade time, use Master Dimmer fader to control all the LEDs intensity, use UV Dimmer fader to control the UV LEDs intensity, use White Dimmer fader to control the white LEDs intensity, use Amber Dimmer fader to control the amber LEDs intensity.

4) Chases mode

Press Chases button and the corresponding LED above the button will light. Now you can press:

Red, Green, Blue, White, Amber buttons to select your preferable built in chase program.
Once the chase program has been selected, you can use Speed fader to adjust the chase program speed, use Fade Time fader to adjust the fade time, use Master Dimmer fader to control all the LEDs intensity, use UV Dimmer fader to control the UV LEDs intensity, use White Dimmer fader to control the white LEDs intensity, use Amber Dimmer fader to control the amber LEDs intensity.

The built in chases mode are as follows:

BUTTONS	**CHASE MODE DESCRIPTION**
Red button	Red/Green chase
Green button	Green/Blue chase
Blue button	Blue/UV chase
Amber button	Red/Green/Blue/UV chase
White button	Red/Green/Blue/UV 2 colors chase
UV button	Red/Green/Blue/UV 3 colors chase

5) Sound Active mode

Press Sound button and the corresponding LED above the button will flash in the beat of the music. Now you can use Sensitivity fader to total control the sound active sensitivity, use Fade Time fader to adjust the fade time, use Master Dimmer fader to control all the LEDs intensity, use UV Dimmer fader to control the UV LEDs intensity, use White Dimmer fader to control the white LEDs intensity, use Amber Dimmer fader to control the amber LEDs intensity.

6) Manual RGBWAUV color mode

Press Manual RGBWAUV button and the corresponding LED above the button will light. Now you can press: Red, Green, Blue, Amber, White, UV buttons or Rose Pink，Evergreen，Ice Blue，Pale Lavender，Salmon，Neon Green，Cyan，Magenta，Yellow, Peach, Pink, Lime Green, Peacock Blue, Mauve, Red UV, Steel Blue, Daylight, Full On buttons in the COLORS region on the control panel to select your preferable static colors.

You can also press the 2 buttons of Red, Green, Blue, Amber, White, UV buttons at the same time to mix the colors.

You can use Speed fader to control the red LEDs intensity, use Fade Time fader to control the green LEDs intensity, use Master Dimmer fader to control the blue LEDs intensity, use UV Dimmer fader to control the UV LEDs intensity, use White Dimmer fader to control the white LEDs intensity, use Amber Dimmer fader to control the amber LEDs intensity.

7) Strobe button

Keep pressing the Strobe button, the LED above the button will be on, now you can use the UV Dimmer fader to adjust strobe speed from slow to fast. After the user has been set to their wanted strobe speed. Release the Strobe button, the LED above the button will be off. And then the strobe speed will be memorized.

Now if you press the Strobe button, the LED above the button will be on, the controller will switch on the strobe with the fixed strobe speed which user had set before. For stop the strobe press the button again, the LED above the button will be off.

8) Preset mode

In any working mode, keep pressing Preset buttons more than 3 seconds to save the current scene in the Preset button, less than 3 seconds to call the scene has been saved in the Preset button.

For example: Keep pressing Preset button more than 3 seconds, all the small LEDs will flash 3 times indicates that the current scene has been saved in Preset button successfully. Then in any working mode, press Preset button less than 3 seconds you can call the scene which has been saved in Preset button.

9) Black out button

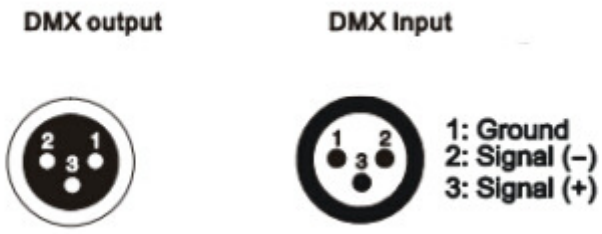
In any working mode, press Blackout button and the corresponding LED above the button will flicker. The HEX controller will blackout all the LED fixtures.

10) Channels patch mode

Hold and press the Blackout button and then power on the controller, the corresponding LED above the button will flicker 2 times indicates the channels have been patched successfully. If the previous setting is to control R-G-B-W-A-UV lighting, the controller will change to control R-G-B-A-W-UV lighting; if the previous setting is to control R-G-B-A-W-UV lighting, the controller will change to control R-G-B-W-A-UV lighting.

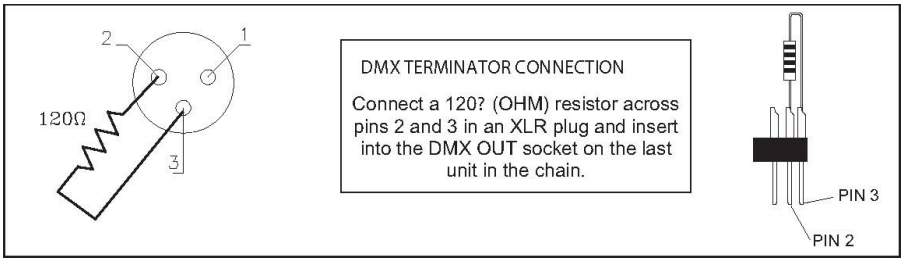
4. DMX-512 Control Connection

This controller uses 3 pin XLR for its DMX output.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:



5. 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:



6. Cleaning and Maintenance

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

7. Specifications

- Weight: 1.45kg - Size: 400x158x68mm
- Power input: 12VDC 500mA - Wattage: 3.6W
- 3 pin female XLR socket for DMX output

8. 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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