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VIVID0312

Compact LED Wash Light with IR Remote



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

V1.02

Introduction

Thank you for the purchase of your VIVID0312 compact LED par can by Light Emotion. We are confident you will be satisfied with your purchase and enjoy many years of use from this Light Emotion Party Range 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 VIVID0312 Compact LED Wash
- 1 set bracket and knobs
- 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 center.
- 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 base of the unit, and only move when unit is upright.
- 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 suitable hook clamp to attach to lighting stand, trussing or bar. Clamp should be securely fixed to the bracket of the product via the hole in the bracket. The product can also be mounted via screw using the same hole direct to walls or ceilings provided it is safe or suitable to use a screw to do so. Some stands include screws and holes to mount products directly to them. Light Emotion offers various clamps and safety chains as part of its product range.
- 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 sources of the product.
- For indoor use only – do not use outdoors.
- To avoid electrical shock, keep away from rain and moisture.
- Keep out of reach of children.

3. Features

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

- LEDs: 12 x 3W RGB 3-in-1 LEDs with average 50000 hours lifespan
- Control: DMX, Sound Activation, Stand Alone, Master/Slave
- DMX Channels: 7
- Beam angle 25⁰
- 3 pin XLR male and female DMX sockets
- Functions: Single colours, Changing colours, Fading, Strobing.
- Built in programs for single and multiple fixtures
- Weight: 600g
- Packed Dimensions 128x128x128mm

4. Product Operation

The VIVID0312 is a compact LED wash light that can produce a multitude of colours using the mixing of red, green and blue colours built into each 3-in-1 LED. You can set the product to output a single static colour or use the included series of built in running patterns and sequences that utilize the 12 LEDs to produce different colours, chasing effects, strobing effects and fading effects.

The mixing of red, green and blue can create any colour you like – for example, red, green and blue on at the same intensity will create white while red and green together create yellow. Blue and red together create magenta while blue and green together create cyan. Varying intensities of the red, green or blue will create other colours as well.

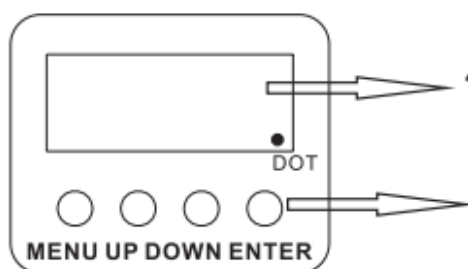
The VIVID0312 can be controlled via the onboard 4 button LED display control or via DMX control using a DMX controller (not included) and the DMX inputs connections.

This section of the manual details accessing the features of the products by those various means.

4a Built in Programs common to all control modes:

Program	Description	Functions
A1	Static Colour Select	1 White 2 Red 3 Green 4 Blue 5 Yellow 6 Cyan 7 Magenta
A2	Colour Changing instantly between colours	1 Slow – 32 Fast
A3	Colour Changing fading between colours	1-12 Colour fade sequences
A4	Audio Activation	1 Change Colour to Sound 2-10 Flash single colour
A5	Strobing	1-32 Various combinations of Strobing and colour patterns, variable speed

4b Onboard Menu control



To navigate through the onboard LED menu display (on the rear of the product), press the MENU button until the desired display function is reached. Each press of the MENU button will advance to the next function. You then use the +/- button to vary the feature or program. In some functions, pressing enter will result in the last two digits flashing – which allows

you to set the speed or the response of the program using the same +/- buttons. Pressing enter again when the last two digits are flashing will cause them not to flash and allow you to go back to changing the program being selected. Note the display will black out while not in use after 15 seconds. A red dot indicates the fixture is on and receiving power.

Display	Function	Detail	Pressing Enter	Detail
d	DMX	Selects DMX Channel	No function	
IP	No Function		No function	
A1	Static Colour Selection	+/- 1-10 to choose colour	No function	
A2	Colour Changing (instant)	+/- 1-32 to choose speed	No function	
A3	Colour Changing (fading)	+/- 1-11 to choose program	Speed	+/- 1-32
A4	Sound Activation	+/- 1-11 to choose program	Sensitivity	+/- 1-4
A5	Strobing	+/- 1-11 to choose program	Flash speed	+/- 1-32
r	Red fixed colour	+/- to choose red intensity 0-255	No function	
G	Green fixed colour	+/- to choose green intensity 0-255	No function	
b	Blue fixed colour	+/- to choose blue intensity 0-255	No function	

4d DMX Table

Channel	Value	Function
Ch 1	0-10	Ch4 – Ch7 Manual Control
	11-50	A1 Colour Function
	51-100	A2 Colour change
	101-150	A3 Colour Fade
	151-200	A4 Sound Activation
	201-255	A5 Strobing patterns
Ch 2	0-39	7 Colour Recycle
	40-59	Red
	60-79	Green
	80-99	Blue
	100-119	Yellow
	120-139	Cyan
	140-159	Magenta
	160-179	Yellow
	180-199	Cyan
	200-219	Magenta
	220-255	White
Ch 3	0-255	Speed slow to fast for programs chosen on Ch 1.
Ch 4	0-255	Master dimmer for Ch 5, 6 & 7
Ch 5	0-255	0-100% Red dimmer
Ch 6	0-255	0-100% Green dimmer
Ch 7	0-255	0-100% Blue dimmer

5. 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:



6. 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.

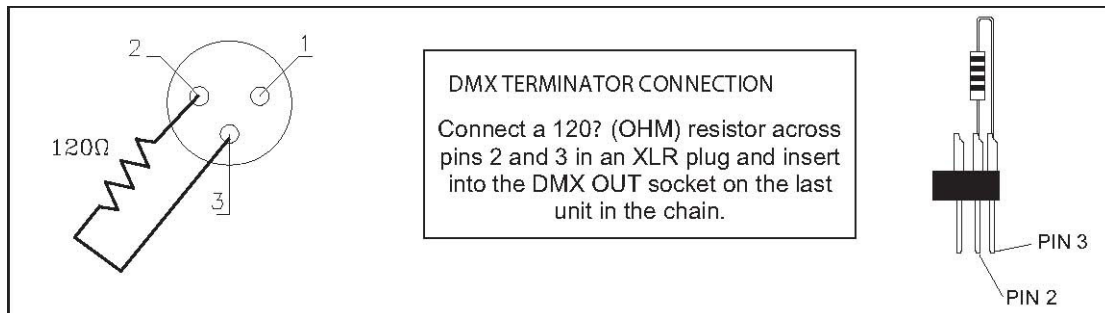
For simplicity, the user can use the same address for multiple fixtures but this will result in each fixture providing exactly the same output and fixtures with the same DMX address cannot be individually controlled.

To control each fixture individually via DMX, each fixture must have its own unique DMX address. As this fixture uses 7 DMX channels, each address must be at least 7 apart.

So for example – assuming the first fixture is DMX channel 1, the second fixture would need to be on channel 8, then the 3rd channel 15 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.

7. 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:



8. 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. Do not use alcohol based cleaners and solvents 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.

9. Warranty

This product is warranted for 12 months 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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