



LANTA
PROFESSIONAL LIGHTING

Owner Handbook



Fireball Par64 Quad™
Four Colour LED Par Can

For your Safety

- Follow all instructions to maintain Manufacturer Warranty and for your own safety.
- There are no user replacement parts inside the product. Do not open the product for any reason. This will invalidate your Manufacturer Warranty and may impair the safety features of the product.
- Do not expose this product to moisture, rain or other fluids.
- Do not use this product near water or other fluids.
- Do not use if the product if you suspect it has been damaged in any way, including being dropped, is malfunctioning, or has been exposed to liquids or moisture. The unit must be repaired by an authorised service centre only. Manufacturer Warranty is void if unit is opened or adapted in any way. Operator safety may be compromised if this product is not operated and maintained in accordance with the details contained in this Owner Handbook.
- This appliance must be earthed. Do not remove the earth connection in the plug or any other location- it is essential for user safety.
- Be aware that products are mains powered and may be capable of producing high voltages from its outputs and has mains voltages inside the cabinet.

Product Installation, Use & Maintenance

- Keep this Owner Handbook safe for future reference.
- Clean the product with a clean and dry, non-abrasive cloth. Do not use solvents or liquids to clean the product.
- To prevent overheating, do not obstruct any ventilation opening, fan cover or vent. Do not install near any sources of heat such as radiators, heaters, other heat producing items such as amplifiers, power units etc.
- Power connection to the product is via a UK 240 Volt AC three-pin mains plug. Do not remove or adapt this plug. If necessary, only replace the plug top fuse with one of the same type, size and value.
- The mains lead must not be crushed or damaged. If any damage occurs, disconnect from the mains immediately. Replace the damaged cable, or if the mains lead is captive, return the product to an authorised repair centre for cable replacement. Do not attempt to repair the cable - it must be discarded and destroyed.
- To maintain the Manufacturer Warranty, only attach authorised accessories and external devices. This includes cables, connectors and other electrical and/or mechanical devices.
- Unplug the product from the mains during lightning storms or periods of mains fluctuations. If the product is going to be unused for long periods, unplug from the mains.

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Product Quality & Compliance

Products from Lanta Lighting meet all required safety standards in force at the time of manufacture and are fully compliant with them.

Unpacking & Inspection

- Inspect the packaging before opening. If the packaging appears to have sustained significant damage, please take extra care before using the product. If you are in any doubt, consult a suitably qualified professional.
- If you suspect the product has been damaged, do not use it. Return it to your original supplier without delay.
- Keep all packaging in a safe place for storage or transport in future.

Manufacturer Warranty

- This Manufacturer Warranty is valid in the UK only.
- Lanta Lighting warrants that this product is free from workmanship defects and material failure during normal use and operation for a period of 12 months from first use or from original date of sale (whichever is the earliest) providing all of the terms indicated in the warranty section have been fully complied with.
- Expressly excluded is our liability for any directly connected or indirectly connected item or items or any consequential loss associated with the failure of the product howsoever caused.
- If the product has been opened, modified, tampered with, incorrectly connected, used inappropriately or in conflict with the instructions herein, or the product model or serial number has been damaged, removed, tampered with, obliterated or made partly unreadable by any person or persons, the Manufacturer Warranty is irrevocably null and void.
- No extension, adaption, alteration or modification to the terms of this Manufacturer Warranty will be permitted, unless expressly authorised in writing (excluding email and fax) by a Director of Lanta Lighting. Warranty is transferrable during the Warranty period.

For Further Information about Lanta Lighting

Our website can be found at www.lantalighting.com and is available for the benefit of customers worldwide. Please consult for information, advice and support on this and other high quality products from Lanta.

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About Lanta Lighting™

Based in the UK, Lanta are committed to providing high quality products at cost-effective prices to the professional lighting market. Since the first product was launched in 2006, Lanta has established a reputation for reliability, common sense design and customer support that has become the envy of others.

The Lanta Lighting range includes:-

Professional Lighting

Focussing on the use of LED technology, Lanta offer distinctive lighting effects for install and mobile applications. From washes to floods, spots to projectors, LED technology now outperforms traditional lights while at the same time requiring significantly lower power and generating far less unwanted heat.

Performance Lasers

Recent advances have reduced the costs of Lasers, made them more portable and brought improved performance and reliability. With step and animation lasers in multi and single colour formats for mobile DJs and static installs, Lanta promise Lasers that won't burn a hole in your pocket.

Atmospheric Effects

When you need special atmospheric effects, Lanta have everything from bubble machines to fake snow hazers and foggers. There's also a range of fluids and consumables specially designed to get the best from the range.

Control Gear

Lightweight and portable, Lanta Control Gear is robust enough to survive life on the road and smart enough to control DMX kit whatever the venue.

Visit us at www.lantalighting.com for more details.

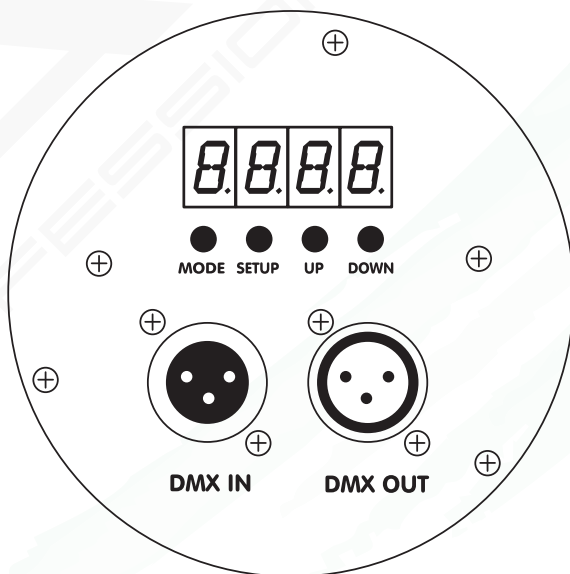
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Getting to know your Lanta Product

Adding a fourth dimension to the tri-colour concept, Lanta's Fireball Par64 Quad™ mixes pure white colours into the traditional red, green and blue mix. Delicate and subtle pastels and intense whites can now be added into the full colour spectrum for flexibility in any venue. And with eighteen individual 8w LEDs, long service life, low energy consumption and minimal maintenance are givens. The twin yoke bracket allows the unit to be floor mounted for front of stage work or rigged on high blending with other cans. As you'd expect, control is from on board presets, ambient sound and 4, 5 or 8 channel DMX control.

LEDs	18 x 8w Quad-colour
DMX Control	4, 5 or 8 Channel
Control Connections	3 Pin Female XLR socket, 3 Pin Male XLR socket
Power Requirement	240 Volt AC 50/60Hz
Power Consumption	150 Watts
Dimensions W x D x H	310mm x 230mm x 230mm
Weight	2.1Kg



Rear Panel

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Operating Modes

Five distinct operating modes are supported by the unit. To select, use the "MODE" button to enter the menu. The "SETUP" button steps through specific settings for each operating mode and the "UP" and "DOWN" buttons chooses from the values available.

1- In-built Program Mode

An in-built Effects is run. LED Display will show values from "Pr.01" to "Pr.11". Effects are:

LED Display Shows	Effect
Pr.01	Static Colours
Pr.02	RGBWCMY Fade Through Black
Pr.03	RGBW Fade Through Black
Pr.04	RGBWCMY Jump
Pr.05	RGBW Jump
Pr.06	RGBWCMY Fade 1
Pr.07	RGBWCMY Fade 2
Pr.08	Red Fade
Pr.09	Green Fade
Pr.10	Blue Fade
Pr.11	White Fade

Static Colours (Pr.01 Only)

With LED Display at "Pr.01", press "SETUP". "UP" & "DOWN" buttons choose these options;

LED Display Shows	Colour Mix
1--r	Red
2-r9	Yellow
3--9	Green
4-9g	Light Blue
5--6	Dark Blue
6-r6	Purple
7r96	White
8--u	Cool White
9-FL	Hot White
10ru	Pink
119u	Light Green
12bu	Light Blue
13yu	Light Yellow
14Uu	Light Purple
OOOF	Off

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Colour Intensity (Pr.01 Only)

In this sub-mode the individual intensity of Red, Green, Blue & White channels can be set for some Programs. With the LED Display reading "Pr.01", press "SETUP" twice until "rxxx", "9xxx", "bxxx" or "uxxx" is shown. The "UP" and "DOWN" buttons step between available values of "0" and "255". Not all intensities can be set for every option. Valid combinations are;

LED Display Initially Shows	Red Values	Green Values	Blue Values	White Values
1--r	0 to 255	Not Applicable	Not Applicable	Not Applicable
2-r9	0 to 255	0 to 255	Not Applicable	Not Applicable
3--9	Not Applicable	0 to 255	Not Applicable	Not Applicable
4-9g	Not Applicable	0 to 255	0 to 255	Not Applicable
5--6	Not Applicable	Not Applicable	0 to 255	Not Applicable
6-r6	0 to 255	Not Applicable	0 to 255	Not Applicable
7r96	0 to 255	0 to 255	0 to 255	Not Applicable
8--u	Not Applicable	Not Applicable	Not Applicable	0 to 255
9-FL	0 to 255	0 to 255	0 to 255	0 to 255

All other Effects (Pr.02 to Pr.10)

Speed and Flash settings can be individually tailored for some sub-modes. Ensure that the LED Display reads between "Pr.02" and "Pr.11".

Speed Setting

Pressing "SETUP" changes the LED display to "SPFL" (for speed). Speed can be set with the "UP" and "DOWN" buttons between "SP01" (slowest) and "SP99" (fastest).

Flash Frequency

A second press of the "SETUP" button changes the LED display to "FS00" (for flash frequency). Speed can be set with the "UP" and "DOWN" buttons between "FS01" (approx 0.5Hz) and "FS99" (approx 40Hz).

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2- Auto Run Mode

All Static Colours are run one after another in a continuous colour mix loop. To select Auto Run Mode, use the "MODE" button to choose "AUTO". Colours are;

3- Slave Mode

The unit will run in synch with another unit that has been set as the Master unit. To select, use the "MODE" button and choose "SLAu".

4- Sound Activated Mode

The unit responds to sounds picked up by the built in microphone to create a light show. To select, use the "MODE" button and choose "SU00".

Sound Sensitivity

Sensitivity can be set between "SU.00" (least sensitive) and "SU.31" (most sensitive) by using the "UP" and "DOWN" buttons.

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5- DMX Mode

The unit supports 3 distinct DMX control modes from a standard desk.

Setting DMX Addresses

Use the "MODE" button to display "d.001". "UP" and "DOWN" buttons allows individual DMX addresses to be set from "d.001" to "d.512".

Setting ID Addresses (8 Channel DMX mode only)

Use the "MODE" button to display "id.01". "UP" and "DOWN" buttons allows individual ID addresses to be set from "id.01" to "id.66".

Choosing between DMX Modes

Modes are 4 Channel ("4-ch"), 5 Channel ("5-ch") and 8 Channel ("8-ch"). The LED display shows the chosen control mode when the "SETUP" button is pressed. Use "UP" and "DOWN" buttons to choose the appropriate DMX control mode.

LED Display shows	DMX Control Mode
4-ch	4 Channel
5-ch	5 Channel
8-ch	8 Channel

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DMX Control Channel Settings

The unit supports 4, 5 and 8 Channel DMX control. Settings are as below:-

4 Channel DMX

	Channel 1	Channel 2	Channel 3	Channel 4
	Red	Green	Blue	White
0	Least	Least	Least	Least
1-100	↕	↕	↕	↕
101-200	↕	↕	↕	↕
201-255	Most	Most	Most	Most

5 Channel DMX

	Channel 1	Channel 2	Channel 3	Channel 4	Channel 5
	Dimming	Red	Green	Blue	White
0	Least	Least	Least	Least	Least
1-100	↕	↕	↕	↕	↕
101-200	↕	↕	↕	↕	↕
201-255	Most	Most	Most	Most	Most

8 Channel DMX, Channels 1 to 4

	Ch1	*Ch2A	*Ch2B	*Ch2C	*Ch2D	Ch3	Ch4
	Dimming	Red	Static Colour	Program Speed	Sound Sensitivity	Green	Blue
0	Least	Least	↕	Slowest	Least	Least	Least
1-100	↕	↕	↕	↕	↕	↕	↕
101-200	↕	↕	↕	↕	↕	↕	↕
201-255	Most	Most	↕	Fastest	Most	Most	Most

* Use Channel 2A (Red) when DMX value of Channel 7 (Control Mode) is 0.

Use Channel 2B (Static Colour) when DMX value of Channel 7 (Control Mode) is 1-22

Use Channel 2C (Program Speed) when DMX value of Channel 7 (Control Mode) is 23-252

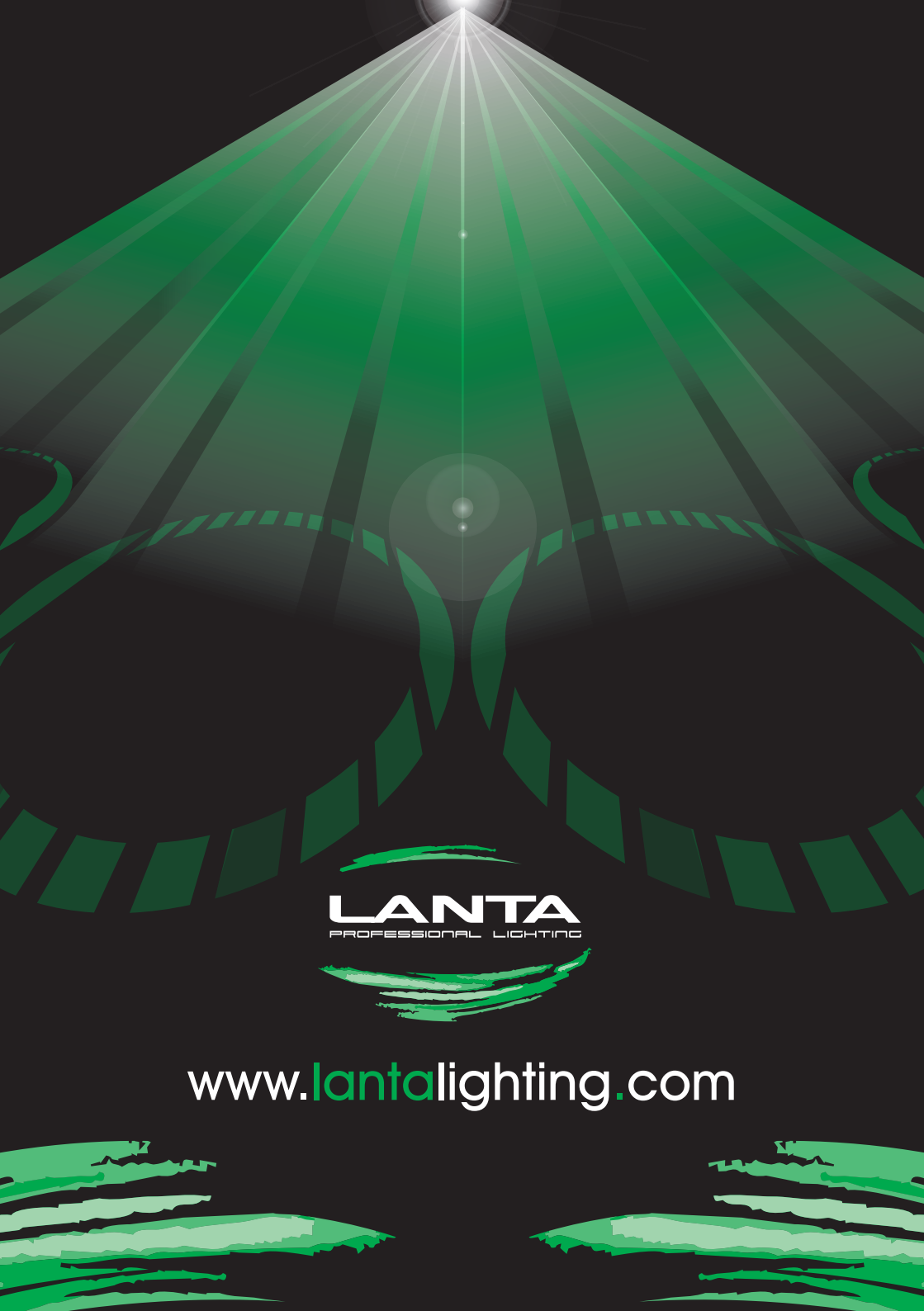
Use Channel 2D (Sound Sensitivity) when DMX value of Channel 7 (Control Mode) is 253-255

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8 Channel DMX, Channels 5 to 8

	Channel 5	Channel 6	*Channel 7	Channel 8	
	White	Strobe	Control Mode	ID Address	
0	Least		Red	All (ID1 to ID66)	
1-9	↑		Static Colour	All (ID1 to ID66)	
10-19			Static Colour	ID1 only	
20-22			Static Colour	ID2 only	
23-29				Pr02	ID2 only
30-39				Pr02	ID3 only
40-45				Pr02	ID4 only
46-49				Pr03	ID4 only
50-59				Pr03	ID5 only
60-68				Pr03	ID6 only
69				Pr04	ID6 only
70-79				Pr04	ID7 only
80-89				Pr04	ID8 only
90-91				Pr04	ID9 only
92-99				Pr05	ID9 only
100-109				Pr05	ID10 only
110-114				Pr05	ID11 only
115-119				Pr06	ID11 only
120-129				Pr06	ID12 only
130-137				Pr06	ID12 only
138-139				Pr07	ID13 only
140-149			Pr07	ID14 only	
150-159			Pr07	ID15 only	
160			Pr07	ID16 only	
161-169			Pr08	ID16 only	
170-179			Pr08	ID17 only	
180-183			Pr08	ID18 only	
184-189			Pr09	ID18 only	
190-199			Pr09	ID19 only	
200-206			Pr09	ID20 only	
207-209			Pr10	ID20 only	
210			Pr10	ID21 only	
211			Pr10	ID22 only	
212-229			Pr10	One ID per DMX setting	
230-252	↓		Pr11	⋮	
253-255		Most	40Hz	Sound Activated	▼

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