

**14. Disposal :**

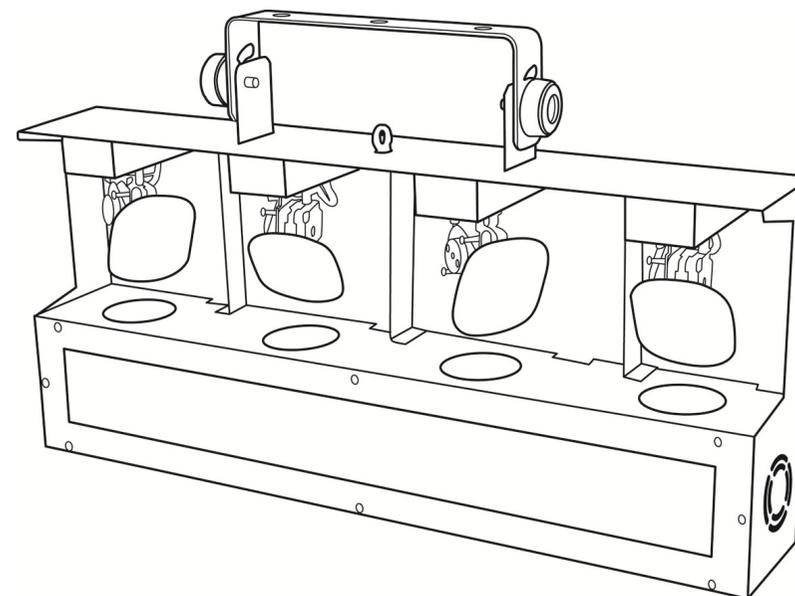
Please disposal of the unserviceable device according to the current statutory requirements.

**15. Technical specification :**

<b>Voltage :</b> 100/240Vac, 50/60Hz	<b>LED Type :</b> 5mm
<b>LED :</b> 60pc (16 x red, 20 x blue, 20 x green, 4 x amber)	<b>LED Life:</b> 10,000 hours
<b>Fuse :</b> 3A (Fast blow)	<b>Power Consumption:</b> 10W
<b>Dimensions :</b> 705 x 410 x 165mm	<b>Weight:</b> 7kg

Note: Conforms to Laser and LED Safety standard BSEN60825-1 2007

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# LED Quatroscan

User manual

151.561UK

Version 1.0

**LED QUATROSCAN: For indoor use only**

**CAUTION! Please read this manual carefully before operating! Pay special attention to Sections 3 & 5 of this document.**

**1. General introduction :**

Featuring 4 scanners 60 Ultra Bright 5mm LEDs (R: 16, G: 20, B:20, A:4) and an all new front light panel makes this light effect unique in its own right. The scanners features both X and Y parameter movement allowing for a large coverage and incredibly unique light show which is ideal for mobile DJs, night clubs and small venues. The Quatroscan can be operated in DMX or sound to light mode with auto mode when no sound is detected. For those who want to an extra Quatroscan to their setup it can be operated in master and slave mode.

**Features :**

- 4 Colour LED; Red, Green, Blue, Amber
- 4 scanner with X and Y parameter movement for the widest coverage
- Unique light box to give you light effect a real kick
- Master/slave function
- Auto/sound activation
- Includes mounting bracket
- We recommend that this product is used within the guidelines HSG95

<b>Channel 5</b>	000-255 Gobo rotate ON/Off
<b>Channel 6</b>	000-255 Gobo rotate speed
<b>Channel 7</b>	000-255 Scan effect
<b>Channel 8</b>	000-255 Speed of scan

**17 Channel Mode**

<b>DMX Channel</b>	<b>Function &amp; Value</b>
<b>Channel 1</b>	0-255 Open light
<b>Channel 2</b>	0-255 All strobe
<b>Channel 3</b>	0-255 Select gobo
<b>Channel 4</b>	0-255 Select rotate gobo
<b>Channel 5</b>	0-255 Gobo rotate
<b>Channel 6</b>	0-255 Speed of gobo rotate
<b>Channel 7</b>	0-255 The first X-axis scan
<b>Channel 8</b>	0-255 The first Y-axis scan
<b>Channel 9</b>	0-255 The second X-axis scan
<b>Channel 10</b>	0-255 The second Y-axis scan
<b>Channel 11</b>	0-255 The third X-axis scan
<b>Channel 12</b>	0-255 The third Y-axis scan
<b>Channel 13</b>	0-255 The fourth X-axis scan
<b>Channel 14</b>	0-255 The fourth Y-axis scan
<b>Channel 15</b>	0-255 Scan effect
<b>Channel 16</b>	0-255 Speed of scan
<b>Channel 17</b>	0-127 Sound off
	128-255 Sound on

**12. Functions guide:****Display:**

The unit will automatically be in Auto mode with Sound to light if the sensitivity is set above zero. Unless the unit is set to slave or a DMX cable is connected

**Menu as follows:**

MASt: Master mode

Addr: DMX address 001 - 512

Hour: Fixture number of hours of operation  
test:

dISP: Press up and down to invert the display

Led: Turn the LED display

SOU: Turn the microphone On/Off

SLnd: Master, Slave mode

Chnd: DMX channels 8 or 17

**13. DMX controlling :****8 Channel Mode**

DMX Channel	Function & Value
Channel 1	000-127 Blackout
	128-255 Open
Channel 2	000-255 Strobe (Slow to Fast)
Channel 3	000-255 Static Gobo Select
Channel 4	000-255 Select Rotating Gobo

**2. Package contents:**

Please check the contents to ensure that the product has been received in good condition.

Light x 1unit	IEC Power Lead x 1	User's Guide x 1pcs
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If you find any accessory is missing or the lighting has arrived with any problems, please contact your local dealer at once. This product contains no serviceable parts to make no attempt to try to fix or modify this item yourself as you may invalidate the warranty. We recommend you keep the original package and proof of purchase for any possible replacement or returned demand.

**3. Installation :**

This product is for professional use only and every person involved with the installation, operation and maintenance of this device should be qualified and follow the instructions of this User Guide. We recommend that this product is not used for audience scanning and should be used within the guidelines of radiation of lasers used for display purposes "HSG95". (copies of the guidance can be downloaded from the HSE website

<http://www.hse.gov.uk/pubns/priced/hsg95.pdf>

When you connect to the main power supply the device will illuminate and the light effect will change with music when in sound activated mode.

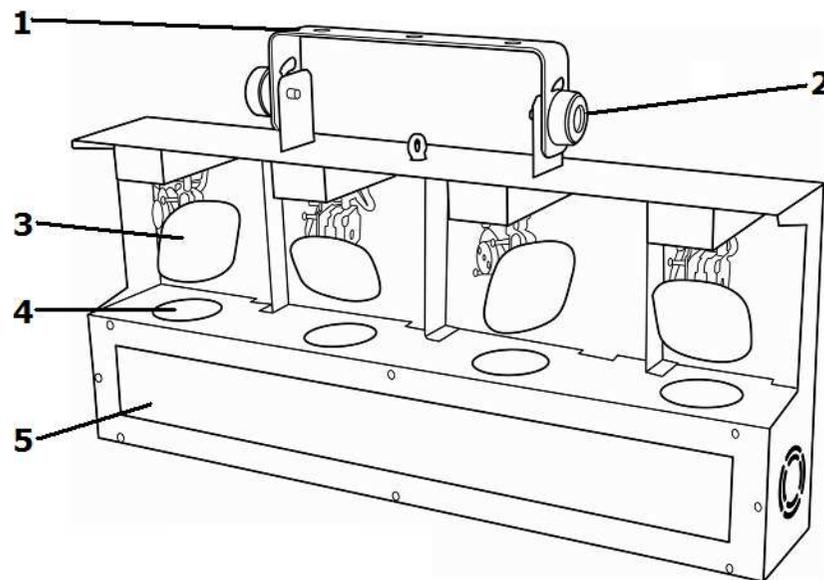
**4. Mounting instruction :**

The fixture may be mounted in any position provided there is adequate room for ventilation. It is important never to obstruct the fan or vent pathway. Mount the fixture using a clamp. Unscrew the safety screws underneath the device and fix a G-Clamp to the fixture. After finding desired position tighten the G-Clamp. When selecting installation location, take into consideration routine maintenance. Safety cables must always be used. Never mount in places where the fixture will be exposed to rain, high humidity, extreme temperatures changes or restricted ventilation. The product should be securely mounted so that its output emission is always directed away from people and at objects that are able to reflect emission in a hazardous direction. In this regard, the separation distances cited in HS(G)95 should be observed.

**5. Caution :**

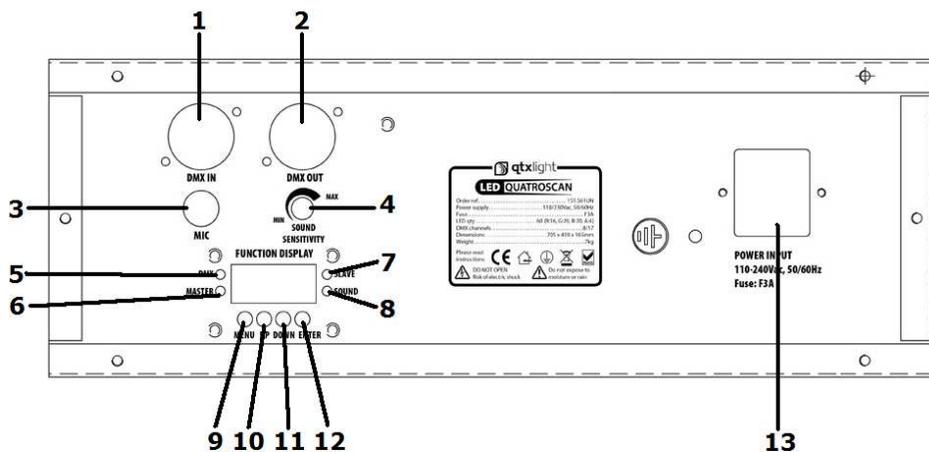
For your safety, please kindly pay attention to all of the warnings below:

- Always plug in the power plug last and disconnect from the mains, when the device is not in use or before cleaning.
- Do not install and operate the device in rain or extreme heat, moisture or dusty environments.
- This device is for indoor use only and in a dry environment.
- Do not switch on immediately but wait until it reaches room temperature, if the device has been exposed to drastic temperature fluctuations.
- Do not shake the device and avoid brute force when installing or operating

**10. Layout:**

1. Mounting Bracket / Carry handle
2. Thumb screw
3. Scanner Mirror
4. Output lens
5. Front light display

**11. Rear display :**



- 1. DMX IN
- 2. DMX OUT
- 3. Microphone
- 4. Sound sensitivity
- 5. DMX signal LED
- 6. Master unit LED
- 7. Slave unit LED
- 8. Sound detector LED
- 9. Menu select
- 10. Scroll up
- 11. Scroll Down
- 12. Confirm selection
- 13. Power input

- Do not use the device during thunderstorms and please disconnect the power.
- Do not use solvents or aggressive detergent to clean the device. Use a soft and clean cloth.
- Do not modify the device or the connected power cord without authorization.
- Use appropriate safety-rope.
- Do not stare into the light, this product emits hazardous levels of optical radiation and will cause serious injury to the eyes if viewed at close range.
- This product should be securely mounted so that its output emission is always directed away from people and at objects that are able to reflect emission in a hazardous direction. In this regard, the separation distances cited in HS(G)95 should be observed.
- The symbol  determines the minimum distance from lighted objects. The minimum distance between light-output and the illuminated surface must be more than 0.5m.

**6. Connect with power supply:**

Use the plug to connect to the main power supply as following.

Line	Connection	International signal
Brown	Live	L
Blue	Neutral	N
Yellow /Green	Earth	E

**7. Replacing fuse :**

Disconnect from the main power supply first, then remove the fuse from the IEC Socket or fuse holder . Replace with a fuse of the correct rating as stated on product label or user guide.

**8. General maintenance :**

To maintain optimum performance and minimize wear, fixtures should be cleaned frequently. Usage and environment are contributing factors in determining frequency. As a general rule, fixtures should be cleaned at least twice a month. Dust build-up reduces light output performance and can cause overheating. This can lead to reduced lamp life and increased mechanical wear. Be sure to power off fixture before conducting maintenance.

Unplug fixture from power. Use a vacuum or air compressor and a soft brush to remove dust collected on external vents and internal components. Clean all

glass when fixture is cold with a mild solution to the cloth or tissue, and drag dirt and grime to the outside of the lens. Gently polish optical surface until they free of haze and lint.

The cleaning of internal and external optical lenses and/or mirrors must be carried out periodically to optimize light output. Cleaning frequently depends

on the environment in which the fixture operates: damp, smoky or particularly dirty surroundings can require cleaning fluid. Always dry the parts carefully. Clean the external optics at least every 20 days.

**9. Quick trouble shooting :**

7.1 If the unit does not function – Check that the main power is on and the fuse is intact.

7.2 If the unit is not reacting to music – check the unit is in “sound to light” mode and that the sensitivity control is fully clockwise.

7.3 If the product is not reacting to DMX signals, check the cables and connections