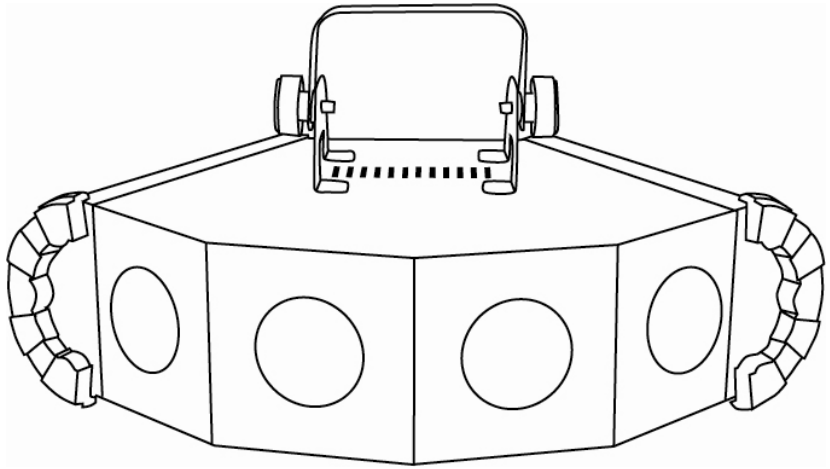
qtxlight



LED Quadplex

User manual

151.565UK

Version 1.0

LED QUADPLEX: 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 :

This innovative light effect combines 256 ultra bright LEDs (red/green/blue/amber) with 4 output lenses to create a unique display of light covering a large area. The easy-to-use controls and built-in programs make operating this light effect simple. The unit can be used on its own with the stand alone programs or by the sound to light or master and slave modes. Alternatively, bespoke patterns and shapes can be created when the 10 channel DMX is used, and when combined with a smoke machine, this light effect really comes in to its own. Great for use by mobile DJs and in nightclubs, bars etc.

Features :

- 256 ultra bright LEDs, 5 colours (red/green/blue/amber/white)
- Wide coverage LED grid pattern
- 4 stand alone modes of operation (3 x auto, 1 x sound to light)
- IEC power daisy chain facility
- Includes mounting bracket
- Ideal for night club installations or for use by a mobile DJ
- We recommend that this product is used within the guidelines HSG95

15. Disposal :

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

16. Technical specification :

Voltage : 100/240Vac, 50/60Hz	**LED Type** : 5mm
LED : 256pcs (R:64, G:96, B:64, A:32)	**LED Life**: 10,000 hours
Fuse : 1A (Fast blow)	**Power Consumption**: 50W
Dimensions : 575 x 375 x 250mm	**Weight:** 5kg

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

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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

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

5	**Special 1/2 way animation**	000-085 - Vertical movement 1/2 way Slow to fast
		086-171 - Horizontal movement 1/2 way Slow to fast
		086-171 - Corner to corner movement 1/2 way Slow to fast
6	**Animation pulse effect**	000-255 - Slow to fast
7	**Special full way animation**	000-085 - Vertical movement full Slow to fast
		086-171 - Horizontal movement full way Slow to fast
		086-171 - Corner to corner movement full Slow to fast
8	**Strobe**	000-255 - Strobe slow to fast
9	**Dimmer**	000-255 - Full to closed
10	**Lens Select**	000-063 - 4 Lens on
		064-127 - 3 Lens on
		128-190 - 2 Lens on
		190-255 - 1 Lens on

14. DMX controlling :

DMX Channel	Function	Function & Value
1	Mode	000-014 - Blackout
		015-019 - Gobo 1
		020-024 - Gobo 2
		025-029 - Gobo 3
		030-034 - Gobo 4
		035-039 - Gobo 5
		040-044 - Gobo 6
		045-049 - Full Gobo
		050-099 - Full Gobo mode
		100-149 - Animated mode
		150-199 - Auto Animated mode
		200-255 -Sound activated mode.
2	(Active when in Gobo effect or Active Gobo effect on Ch 1)	000-255 - Selection of 128 Gobos all at 3 value intervals
	(Animated select mode)	000-255 - Selection of 30 animations
3	Vertical animation to the centre then back	000-255 - Fast to Slow
	(Animation speed)	000-255 - Fast to Slow
4	Horizontal animation to the centre then back	000-255 - Fast to Slow

- 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:

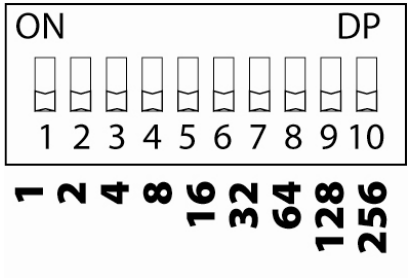
To maintain optimum performance and minimize wear, fixtures should be cleaned frequently. Usage and environment are contributing factors in determining frequency. As a general rule, fixtures should be cleaned at least twice a month. Dust build-up reduces light output performance and can cause overheating. 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

13. Dip switch addressing:



To set the DMX address please see the example table below and for more details visit the QTX website www.qtxlight.com

(Note: 1 = On, 0 = Off)

DMX Address	DIP Switches								
	1	2	4	8	16	32	64	128	256
1	1	0	0	0	0	0	0	0	0
2	0	1	0	0	0	0	0	0	0
3	1	1	0	0	0	0	0	0	0
…	..	..	..	..	..	..	..	..	..
410	0	1	0	1	1	0	0	1	1

12. Functions guide:

On	Off	Function
	1,2,3,4,5,6,7,8,9,10	Sound to Light
1	2,3,4,5,6,7,8,9,10	Slave mode*
10	1,2,3,4,5,6,7,8,9	Automatic mode 1
2,10	1,3,4,5,6,7,8,9	Automatic mode 2
3,10	1,2,4,5,6,7,8,9	Automatic mode 3
4,10	1,2,3,5,6,7,8,9	Automatic mode 4
9,10	1,2,3,4,5,6,7,8	Automatic strobe mode
7,8,10	1,2,3,4,5,6,9	Speed faster for Auto modes
1,10	2,3,4,5,6,7,8,9	Test mode (All LEDS) on

*The LED Quadplex will always be in Master mode unless a DMX cable is connected to the IN connection and Dip switch 1 is set to on.

NOTE: If unit is connected in a chain to a DMX controller then slave mode will not work and the unit will respond to any DMX signal on the first 10 Channels.

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.

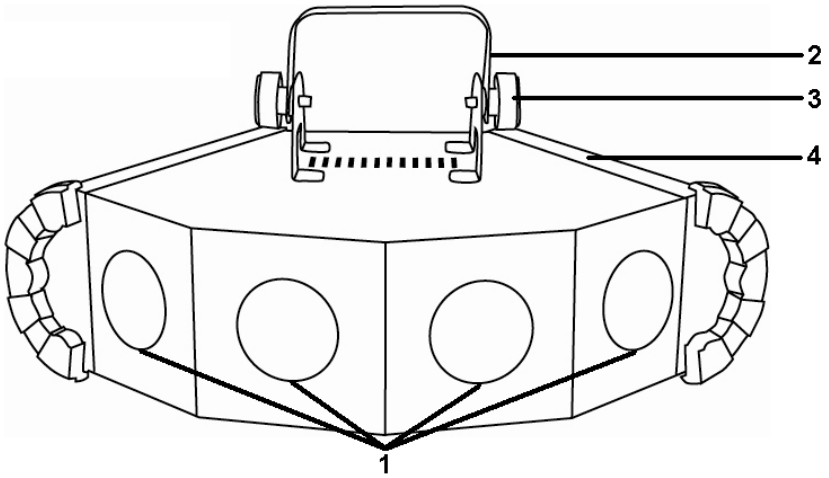
9. Quick trouble shooting :

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.

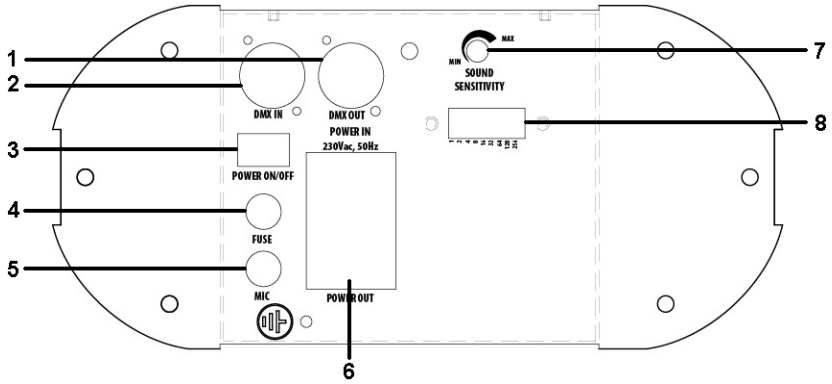
7.3 If the product is not reacting to DMX signals, check the cables and connections

10. Layout:



1. Lens x 4
2. Mounting bracket
3. Thumb screw
4. Housing Cover

11. Rear display :



1. DMX OUT
2. DMX IN
3. Power switch ON/OFF
4. Fuse holder
5. Microphone
6. IEC Power in and Power loop out
7. Sound sensitivity control
8. DIP switch programs