![qtxlight logo]

LUX-LD108W

TRI Colour Moving head User Manual

150.449UK

LUX-LD108W Tri-colour moving head: For indoor use only

> ⚠ **Caution! Please read this manual carefully before operating! Damage caused by misuse is not covered by the warranty!**

1.   General Introduction :

This moving head features 36 x 3W Tri-colour LEDs, replacing the more conventional method of RGB colour mixing. Each LED can produce any colour of light right through the visible spectrum resulting in the brightest and best colour mixing available by LEDs on the market today. It features auto and sound-to-light modes and 11 channels of DMX which can be programmed with any universal DMX controller, making it ideal for creating he right atmosphere in a bars, nightclubs and even stage shows.

Features :

- 36 x 3W tri-colour LEDs
- DMX in/out connections via 3-pin XLR
- Ultra bright producing rich colour
- Auto and sound activated programs
- 11 channel DMX (Colour mode, RGB 0 - 100%, shutter, dimmer, Pan, tilt, pan/tilt speed, pan fine, tilt fine
- Fan cooled
- Mounting bracket supplied
- We recommend that this product is used within the guidelines HSG95

14. Disposal :

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

15.   Technical specification :

Voltage : 230Vac, 50Hz	**LED Type** : 3W Tri colour
LED : 36 x 3W Tri LED	**LED Life**: 10,000 Hours
Fuse : F5A	**Total Lumens:** 1252
Power Consumption: 108W	**Beam Angle**: 31°
Dimensions : 250 x 220 x 376mm	**Weight:** 7kg

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

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13. DMX Controlling :

DMX Channel		Function & Value
Channel 1		000 - 024 RGB (DMX mode)
		025-049 Auto Program 1
		050-074 Auto Program 2
		075-099 Auto Program 3
		100-124 Auto Program 4
		125-149 Auto Program 5
		150-174 Auto Program 6
		175-199 Auto Program 7
		200-224 Auto Program 8
		225-255 Sound-active program
Channel 2		000-255 Red brightness 0-100%
Channel 3		000-255 Green brightness 0-100%
Channel 4		000-255 Blue brightness 0-100%
Channel 5	CH1 000-024	000-015 No function
		016-255 Strobe fast to slow
	CH1 025-255	000-255 Auto speed fast to slow
Channel 6		000-255 Dimmer Bright to dark
Channel 7		000-255 Pan course 0-540°
Channel 8		000-255 Tilt course 0-230°
Channel 9		000-255 Pan/Tilt speed fast to slow
Channel 10		000-255 Pan fine adjustment 2.4°
Channel 11		000-255 Tilt fine adjustment 2.4°

2.   Package Contents :

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

Light x 1unit (power lead attached)	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. Do not try to fix this item yourself or you will lose the warranty. Please keep the original package and invoice for any possible replacement or returned demand.

3.   Installation :

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". 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.
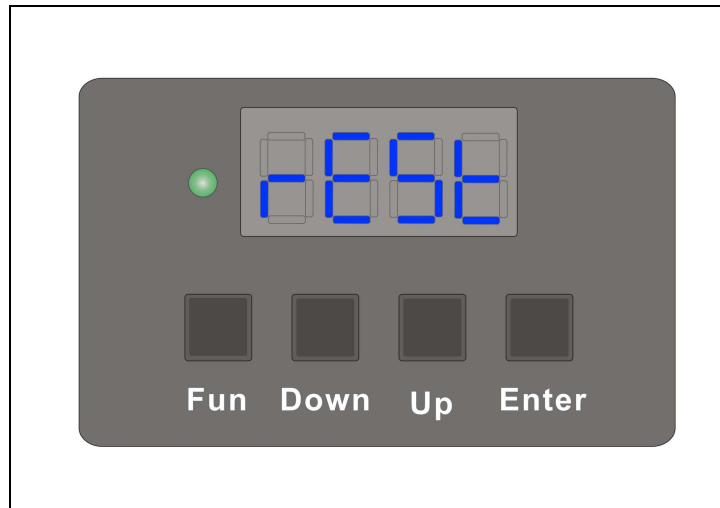
10.   Mounting instruction :

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.

4.   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 an din a dry environment.
- Do not switch on immediately but wait until it reaches to 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
- Do not spread the smoke or bubble of effect machine directly to the device.
- 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 for safety.
- Do not stare to the light.

- The symbol ⊄---m⬚ determines the minimum distance from lighted objects. The minimum distance between light-output and the illuminated surface must be more than 0.5m.

DISPLAY		FUNCTION
VALUE	**001-501(503)**	DMX address (16bt is on, the max value is 501.
MODE	**M-DM**	DMX mode
	M-AU	AUTO mode
	M-SO	SOUND mode
PRCO	**PR1~8**	8 built-in programs
		Pr1-4 means skip
		Pr5-8 means fade
SPCO	**SP01~15**	Auto speed is 0.1~10 seconds each step
r PAN	**STND**	Run clockwise as DMX value increases
	REV	Run anticlockwise as DMX value decreases
R TILT	**STND**	Run clockwise as DMX data increase
	REV	Run anticlockwise as DMX data decreases
r-PT	**STND**	CH7: PAN, CH8: TILT, CH10: P.FINE, CH11: T.FINE
	REV	CH7: PAN, CH8: TILT, CH10: P.FINE, CH11: T.FINE.
TEST	**ALL**	Check all channels with motors
	PAN	Check pan channels
	TITL	Check tilt channels
	RED	Check red channels
	GREEN	Check green channels
	BLUE	Check blue channels
DISP	**STND**	Display bites normally
	REV	Display bytes upside down
REST	**REST/ON**	Reset
16BT	**ON**	PAN/TILT is 16 bit, CH10: PAN FINE, CH11: TILT FINE.
	OFF	PAN, TILT is 8 bit. CH10, CH11 does not exist.

12. Digital Display Setting & Function :

FUN: function menu or withdraw the last menu

ENTER: enter the next menu or definite present value.

UP: increase one step each time

DOWN: decrease one step each time.

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. Quick Trouble Shooting :

7.1 if the unit is not functional – Check if main power is on and fuse.

7.2 if the unit is not reacting to music – check the unit is in "M-SO" mode on the display.

8. Replacing Fuse :

Disconnect from the main power supply first, then remove the fuse holder above the IEC Socket to reveal the fuse. Replace the correct fuse rating as stated on lighting or user guide. Then, lock the fuse holder cover back into place.
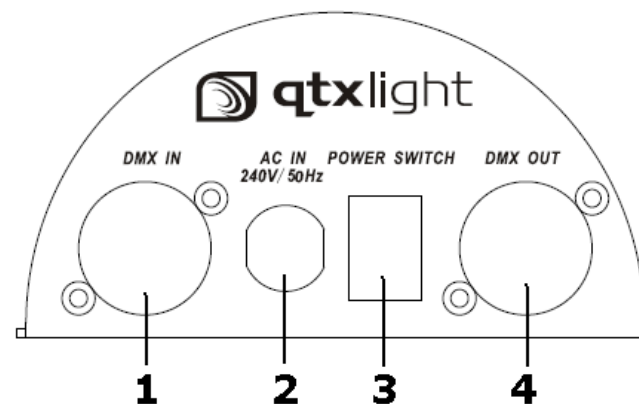
9. General Maintenance :

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 fixtures 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.

11. Layout for the 150.449UK:

1. DMX Input

2. AC Power input

3. Power switch on/off

4. DMX Output