qtxlight

MW-36W

TRI Colour Moving head User Manual

150.450UK

MW-36W 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 2 auto and sound-to-light modes and either 10 or 14 DMX channels which can be programmed with any universal DMX controller, making it ideal for creating the right atmosphere any entertainment venues.

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
- 12 channel DMX (Colour mode, RGB 0 - 100%, shutter, dimmer, Pan, tilt, pan/tilt speed, pan fine, tilt fine
- Fan cooled
- Mounting bracket supplied
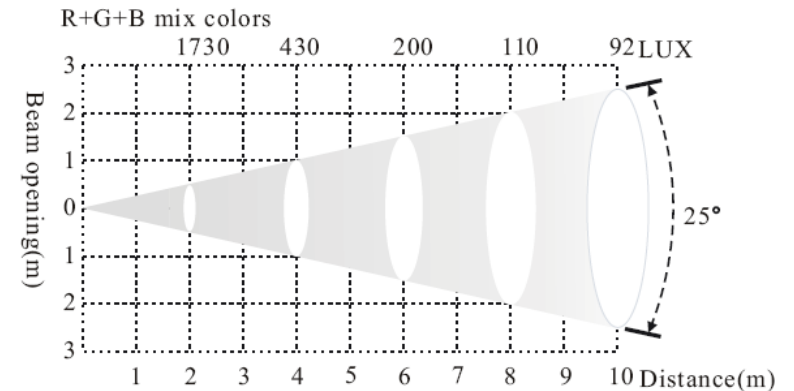- We recommend that this product is used within the guidelines HSG95

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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	**LUX:** 1730 @ 2m
Power Consumption: 120W	**Beam Angle**: 25°
Dimensions : 285 x 280 x 345mm	**Weight:** 7kg

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

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	167-178 Red + Green from bright to dim
	179-190 Green + Blue from dim to bright
	191-202 Green + Blue from bright to dim
	203-214 Blue + Red from dim to bright
	215-226 Blue + Red from bright to dim
	227-238 Red + Green from dim to bright
	239-250 Red + Green from dim to bright
	250-255 RGB 100% output
Channel 12	000-029 No function
	030-050 lamp closed with Pan and tilt running
	051-069 Reposition
	070-079 No function
	080-109 Working auto system 1
	110-139 Working auto system 2
	140-169 Sound to light mode 1
	170-199 Sound to light mode 2
	200-255 No function

2. Package Contents :

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

Light x 1	User's Guide x 1	IEC Lead x 1

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.

14. DMX Controlling :

DMX Channel	Function & Value
Channel 1	000-255 PAN Scan (0° - 540°)
Channel 2	000-255 Tilt Scan (0° - 280°)
Channel 3	000-255 PAN Fine (16 BIT)
Channel 4	000-255 Tilt Fine (16 BIT)
Channel 5	000-255 Pan & Tit speed (Fast - Slow)
Channel 6	000-006 No function
	007-065 Strobe from (Slow to fast)
	066-069 No function
	070-128 Thunder strobe (Slow to fast)
	129-132 No Function
	133-191 Bright strobe (Slow to fast)
	192-195 No Function
	196-255 Dimmer strobe (Slow to fast)
Channel 7	000-255 Master dimmer
Channel 8	000-255 Red brightness 0-100%
Channel 9	000-255 Green brightness 0-100%
Channel 10	000-255 Blue brightness 0-100%
Channel 11	000-006 No function
	007-044 Eight fixed colours
	045-049 No function
	050-094 Eight colours changing jumping (9 classes)
	095-099 No function
	100-149 Eight colours changing gradually (Slow to fast)
	150-154 No function
	155-166 Red + Green from dim to bright

13. Display controls:

DISPLAY		FUNCTION
Addr	**A001-A501(503)**	DMX address
PAN	**Yes**	Reverse Pan movement
	No	
Tilt	**Yes**	Reverse Tilt movement
	No	
PLAY	**At01**	Auto program 1
	At02	Auto program 2
	Sn01	Sound to Light program 1
	Sn02	Sound to Light program 2
	dnCo	Dmx control mode
	Slae	Slave function
MAN	**CH01**	Channel Select
	d001	DMX address
dISP	**dSIP**	For when fixture is mounted upside down
	dISP	For when fixture is floor standing
rESt oFAn		Resets the fixture
	Yes	Turns the fan off after 60 seconds when the LEDS are off
	No	Leaves the fan on all the 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.
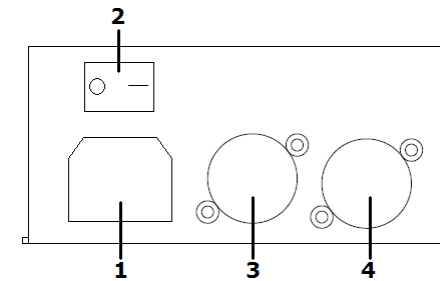
9. General Maintenance :

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 150.450UK:

1. DMX Input

2. AC Power input

3. Power switch on/off

4. DMX Output

12. Digital Display Setting & Function :

FUN: Function menu or withdraw the last menu

ENTER: Confirms the functions you select.

UP: Increase one step each time.

DOWN: Decrease one step each time.