![qtxlight logo]

MHS-60

Spot Moving Head User Manual

150.452UK

MHS-60 60W Moving head spot: 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 :

With a powerful 60W white LED this moving head has the equivalent light output of a 250W halogen bulb, yet uses less energy as well as having a longer life span. It features 5 modes of operation including 2 auto, 2 sound-to-light and DMX512. The light also features a prism, 8 colour wheel, 7 different gobos which can be rotated to create a variety of effects. Each shape or pattern can also strobe via DMX or as part of the internal programs. It is absolutely perfect for installations in bars, nightclubs, stage shows and concerts.

Features :

- High power 60W White LED (50,000 hrs)
- 7 Selectable colours + White
- 6 selectable Gobos + Spot
- 3 Facet Prism effect
- DMX in/out connections via 3-pin XLR
- 11 channel DMX
- Low noise fan
- 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	
Power Consumption: 100W	**Fuse :** F5A
PAN Range: 540°	**TILT Range:** 230°
Beam Angle: 12°	**DMX Channels:** 12
LED : 60W (8000K)	**LED Life**: 50,000 Hours
Dimensions : 260 x 260 x 350mm	**Weight: 8**kg

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

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Channel 8	000-130 Forward gobo rotation fast to slow
	131 Gobo stop rotating
	132-255 Reverse gobo rotation slow to fast
Channel 9	000-028 Open
	029-249 Strobe from slow to fast
	250-255 Open
Channel 10	Dimmer from dark to full brightness
Channel 11	000-127 Single spot
	128-255 3-facet prism
Channel 12	000-149 No action
	150-200 Reset when held for 3 seconds
	201-255 No action

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	Mounting bracket 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 and in 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	000-016 Open
	017-033 Fire red
	034-049 Yellow
	050-066 Light blue
	067-083 Green
	084-100 Orange
	101-106 Purple
	107-126 Dark blue
	127-192 Scrolling colour wheel fast to slow
	193-255 Reverse scrolling colour wheel slow to fast
Channel 7	000-019 Open
	020-041 Gobo 1
	042-061 Gobo 2
	062-082 Gobo 3
	083-104 Gobo 4
	105-125 Gobo 5
	126-139 Gobo 6
	140-204 Gobo scroll from 1 to 6 fast to slow
	205-255 Gobo scroll from 6 to 1 slow to fast

13. Display controls:

DISPLAY	FUNCTION
A001-A512	DMX address
rpon	Reverse Pan movement on or off
rpof	
reon	Reverse Tilt movement on or off
reof	
Au01	Auto program 1
Au02	Auto program 2
snon	Sound to light on
snof	Sound to light off
dFon	Turns display off after 30 seconds
dFof	Leaves display on all the time
rESt	Resets the fixture

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.
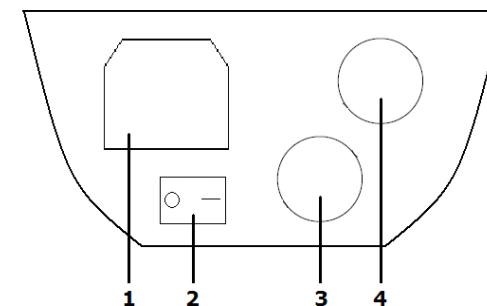
9. General Maintenance :

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.
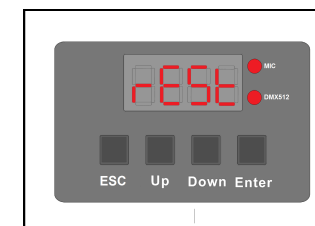
The cleaning of internal and external optical lenses and/or mirrors must be carried out periodically to optimize light output. Cleaning frequently depends on the environment in which the fixtures operates: damp, smoky or particularly dirty surroundings can require cleaning fluid. Always dry the parts carefully. Clean the external optics at least every 20 days.

11. Layout for the 150.450UK:

1. AC Power input
2. Power switch on/off
3. DMX Output
4. DMX Input

12. Digital Display Setting & Function :

ESC: Press ESC to return to menu function

UP: Increase one step each time.

DOWN: Decrease one step each time.

ENTER: Confirms the functions you select.