

TECHNICAL SPECIFICATION:

Voltage : 110-240Vac, 50Hz	Power Consumption: 80W
LED Type : 30W LED 6000K	Fuse: F3A
Beam Angle: 12°	LED Lifespan: 10,000hrs
Pan Range: 0-540°	Tilt Range: 0-270°
Dimensions : 180 x 170 x 270mm	Weight: 2.8kg

DISPOSAL:



Please disposal of the unserviceable device according to the current statutory requirement

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MHS-30
30W LED MINI MOVING HEAD SPOT

Order ref: 150.443UK

User Manual



VERSION 1.0

Cont.

CH 4	000-009	White
	010-019	Red
	020-029	Green
	030-039	Yellow
	040-049	Blue
	050-059	Pink
	060-069	Orange
	070-079	Purple
	080-089	Magenta
	090-099	UV
	100-109	UV + White
	110-119	UV + Magenta
	120-129	Magenta + Purple
	130-139	Purple + Orange
	140-149	Orange + Pink
	150-159	Pink + Blue
	160-169	Blue + Yellow
	170-179	Yellow + Green
	180-189	Green + Red
	190-191	Red + White
192-223	Colour clockwise rotation (Fast - Slow)	
224-255	Colour Anti clockwise rotation (Slow - Fast)	
CH 5	000-255	Pan Position
CH 6	000-255	Tilt Position
CH 7	000-255	Pan & Tilt Speed (fast to slow)
CH 8	255	Reset

DMX OPERATION:

DMX Channel	DMX Value	Function Description
CH 1	000	Blackout
	001-255	Dimmer 0-100%
CH 2	000-002	Shutter Open
	003-255	Strobe speed control 0-13Hz (Slow to Fast)
CH 3	000-011	Open
	012-021	Gobo 1
	022-031	Gobo 2
	032-041	Gobo 3
	042-051	Gobo 4
	052-061	Gobo 5
	062-071	Gobo 6
	072-081	Gobo 7
	082-091	Gobo 8
	092-101	Gobo 9
	102-111	Gobo 9 Shaking
	112-121	Gobo 8 Shaking
	122-131	Gobo 7 Shaking
	132-141	Gobo 6 Shaking
	142-151	Gobo 5 Shaking
	152-161	Gobo 4 Shaking
	162-171	Gobo 3 Shaking
	172-181	Gobo 2 Shaking
	182-191	Gobo 1 Shaking
	192-223	Gobo Clockwise rotation (Fast to Slow)
224-255	Gobo Anti-clockwise rotation (Slow to Fast)	

INTRODUCTION:
MHS-30 MINI MOVING HEAD SPOT 30W

This compact and lightweight mini moving head uses a powerful 30W white LED. It has a 12° beam angle and features 9 gobos (plus spot) and 9 colour wheel (plus white). It can be operated by 8 Channel DMX or one of the stage friendly internal programs on either auto or sound to light mode. It can be free standing or mounted to trussing using the supplied brackets. It is ideal for uses such as small stages, bars, nightclubs, mobile DJs and bands.

- High power 30W White LED (50,000hrs)
- 8 channel DMX, pan, tilt, pan & tilt speed, colour select, gobo select, strobe, master dimmer & reset
- 9 Selectable gobos (plus spot)
- 9 selectable colours (plus white)
- 12° beam angle
- Gobo shake effect
- Manual focus adjustment to sharpen beams in smoke or the projected image over a large distance.
- DMX in/out connections via 3-pin XLR
- Master and slave modes
- Strobe speed adjustable
- Stage friendly auto and sound activated modes
- Low noise fan
- Lightweight and easy to transport
- Pre fixed mounting bracket included
- We recommend that this product is used within the guidelines HSG95

PACKAGE CONTENTS:

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

MHS-30 Moving head x 1pcs	User's Guide x 1pcs
Power Cord x 1pcs	1 x Mounting brackets

If you find any accessory is missing or the machine 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.

INSTALLATION:

Every person involved with the installation, operation and maintenance of this device should be qualified and follow the instructions in this User Guide. We recommend that this product is not used for audience scanning and should be used within the guidelines of "HSG95". When you connect to the main power supply the device will take around 10 seconds before ready for use.

MOUNTING INSTRUCTIONS:

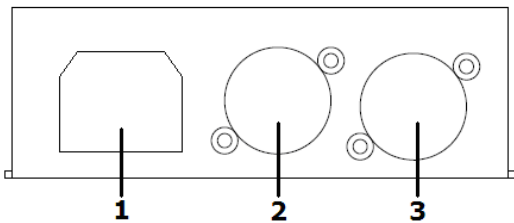
Attached the supplied mounting brackets to the underside of the fixture using the supplied bolts. Fix a G-Clamp to the bracket securely ready for mounting. After finding the desired position tighten the G-Clamp and use a safety wire for extra security.

When selecting an 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.

DISPLAY CONTROLS:

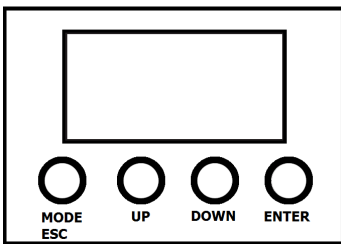
LED Display	Action
Addr	Set DMX Address
AUTO	Aut1: For Floor operation, Pan is not restricted Tilt movement is restricted to 210°.
	Aut2: When using on the ceiling. Pan is not restricted Tilt movement is restricted to 90° forward 45°.
	Aut3: DJ or Stage mode: X-axis restricted to 160° Tilt movement restricted to 90° (60° above the horizon and 30° below).
	Aut4: When using on the ceiling at the front of a stage. Tilt movement restricted to 160° Tilt movement restricted to 90° (Vertically, front 75° and back 15°)
AUTT	Auto mode speed T000 (fast) – T099 (Slow) Default is T007.
Sund	Sound to light mode (turns whatever auto mode you have selected in to a sound activated option).
CH 1- 8	Manual function based on DMX values for each channel (See DMX operation).
Er_L	If displayed there is a brake in the DMX Chain.
PAn	Reverse pan on/off
tiLt	Reverse tilt on/off
REST	Reset function

REAR LAYOUT:



1. IEC Power IN and fuse holder
2. DMX IN
3. DMX OUT


CONTROL DISPLAY FOR:



1. MODE\ESC: Menu or withdraw the last menu
2. UP: Increase one step each time
3. DOWN: Decrease one set each time
4. ENTER: Confirms the functions you select


CAUTION! TO PREVENT MORTAL ELECTRICAL RISK AND LONG LIFE OPERATION:

For your safety, please kindly pay attention to all of the warnings listed 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  determines the minimum distance from lighted objects. The minimum distance between light-output and the illuminated surface must be more than 0.5m.

CONNECT WITH POWER SUPPLY – THE GROUND WIRE MUST BE CONNECTED:

Use the plug to connect to the main power supply as follows:

Wire	Connection	International signal
Brown	Live	L
Blue	Neutral	N
Yellow /Cyan	Earth	

QUICK TROUBLE SHOOTING

If the unit is not functioning properly follow the below guidelines

- Check the IEC cable is fitted correctly.
- Check the fuse hasn't blown in both the IEC cable and unit (see below)
- Check any DMX cables are connected correctly
- Check the DMX address has been set correctly

If the unit still fails to respond then contact your retailer.

REPLACING FUSE

Disconnect from the main power supply first then remove the fuse holder above the IEC Socket to reveal the fuse. Replace with the correct fuse rating as stated on the product safety label. Then lock the fuse holder cover back into place.

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 life and increased mechanical wear. Be sure to power off the fixture before conducting maintenance.

Unplug fixture from the mains and 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 external optical lenses 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.