

# MHS-40K

40W Kaleidoscope Beam LED  
Moving Head

Item ref: 150.469UK

User Manual

Please read through this manual thoroughly before use, any damage caused by misuse of product will not be covered by warranty.

A smart, compact moving head comprising a single powerful 30W white LED and RGBW colour wheel to provide bright colourful effects, spots and washes. This model also features an unusual separate LED colour ring around the main lens made up of 8 Bright SMDs which work in tandem with the main features. The MHS-40K can be operated on auto, sound-to-light or DMX modes and can be free standing or mounted to trussing using the supplied fixing bracket.



## In the box:

Your MHS-40K should arrive with you in a single carton in good condition. The carton should contain 1 x main unit with bracket, 1 x UK IEC mains lead and 1 x manual.

## Warning:

To prevent risk of fire or electric shock, do not expose the unit to rain or damp environments. In the event of a spillage, disconnect the mains and allow the unit to dry out naturally. Qualified personnel should then check the unit before continuing use.



**Please do not open cover, contains high voltage. This product is not serviceable or repairable by the end user. Please refer to qualified personnel for service and repair.**



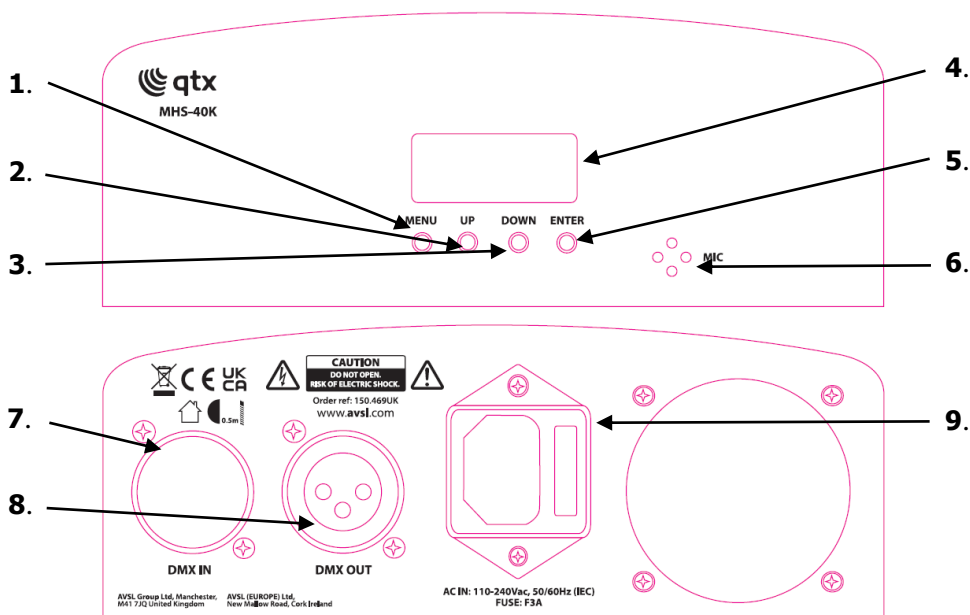
## Placement:

- Use the included mounting bracket to fix to a stand or lighting truss.
- Use secondary safety fixings if mounting overhead.
- Keep away from damp or dusty environments.
- Ensure adequate airflow around the fixture housings.
- Ensure adequate access to controls and connections.
- Do not aim LED output directly into line of sight, as this can result in eye injury.

## Cleaning:

- Use a soft cloth with a neutral detergent to clean the casing as required.
- Use a vacuum cleaner to clear ventilation grilles of any dust or debris build-ups.
- Do not use strong solvents for cleaning the unit.

## Rear panel and control



1. Menu button
2. Up button
3. Down button
4. LED display
5. Enter button

6. Microphone
7. DMX input
8. DMX output
9. IEC input (110-240 Vac, 50/60 Hz)

## Manual control menu:

Press the **"MENU"** button to enter the settings menu.  
 Press **"UP"** and **"DOWN"** buttons to navigate through various setting functions.  
 Press **"ENTER"** button to confirm the desired setting.

Menu	Function	Description
Addr	A001 - A512	DMX address settings
Chnd	18CH/32CH	DMX channel select
Sind	Mast/SI1	Master or slave select
	SI2/d512	Slave2 to DMX mode
Shnd	Sh1 - Sh5	Sound active modes
Sens	0 - 100	Sound active mode sensitivity – low to high
Auto	Aut1-Aut5	Auto mode select
	SP1 - SP9	Auto mode speed adjust – slow to fast
Led	On/Off	LED display backlight
disp	psid	Reverse display mode
pan	Yes/No	PAN reverse mode
tilt	Yes/No	Tilt reverse mode
ver	Vxx	Version number
rset	Yes/No	Factory reset

## DMX mode:

The MHS-40K can be controlled by DMX signal, simply connect the DMX signal source to the DMX input on the unit via a balanced XLR lead. Extra fixtures can be controlled by the same DMX signal by looping through the DMX out on the unit. To enter DMX mode, select A001 from the menu and confirm the correct start address by using the **"UP"** and **"DOWN"** buttons and **"ENTER"**. The A on the LED display will begin to flash once it's received the DMX signal from the controller. This unit has 18 or 34 DMX channels as indicated in the table below:

## 18 Channel:

Channel	Function	DMX value and description
1	PAN	0-255 PAN adjust 0-540°
2	PAN fine	0-255 PAN fine adjust
3	Tilt	0-255 Tilt adjust 0-270°
4	Tilt fine	0-255 Tilt fine adjust
5	XY Speed	0-007 Fast to slow
6	Master dimmer	0-255 (0-100%)
7	RGBW strobe	000-008 No strobe, 009-251 Strobe (slow to fast), 252-255 No strobe
8	Red pattern	0-255 (0-100%)
9	Green pattern	0-255 (0-100%)
10	Blue pattern	0-255 (0-100%)
11	White Pattern	0-255 (0-100%)
12	Pattern rotation	0-255 Forward (slow to fast), Backward (slow to fast)
13	Wash	0-255 (0-100%)
14	5050 Strobe	000-008 No strobe, 009-251 Slow to fast, 252-255 No strobe
15	Blank	No Function
16	5050 Chase	000-127 Colour, 128-255 Colour chase

17	5050 Chase speed	000-255 Speed (slow to fast)
18	Special	000-199 no function, 200-209 Reset, 210-239 No function, 240-255 Sound active mode

### 32 Channel:

Channel	Function	DMX value and description
1	PAN	0-255 PAN adjust 0-540°
2	PAN fine	0-255 PAN fine adjust
3	Tilt	0-255 Tilt adjust 0-270°
4	Tilt fine	0-255 Tilt fine adjust
5	XY Speed	0-007 Fast to slow
6	Master dimmer	0-255 (0-100%)
7	All strobe	000-008 No strobe, 009-251 Strobe (slow to fast), 252-255 No strobe
8	Red pattern	0-255 (0-100%)
9	Green pattern	0-255 (0-100%)
10	Blue pattern	0-255 (0-100%)
11	White pattern	0-255 (0-100%)
12	Pattern rotation	0-255 Forward (slow to fast), Backward (slow to fast)
13	Wash	0-255 (0-100%)
14	5050 Red 1	0-255 (0-100%)
15	5050 Green 1	0-255 (0-100%)
16	5050 Blue 1	0-255 (0-100%)
17	5050 Red 2	0-255 (0-100%)
18	5050 Green 2	0-255 (0-100%)
19	5050 Blue 2	0-255 (0-100%)
20	5050 Red 3	0-255 (0-100%)
21	5050 Green 3	0-255 (0-100%)
22	5050 Blue 3	0-255 (0-100%)
23	5050 Red 4	0-255 (0-100%)
24	5050 Green 4	0-255 (0-100%)
25	5050 Blue 4	0-255 (0-100%)
26	5050 Red 5	0-255 (0-100%)
27	5050 Green 5	0-255 (0-100%)
28	5050 Blue 5	0-255 (0-100%)
29	5050 Red 6	0-255 (0-100%)
30	5050 Green 6	0-255 (0-100%)
31	5050 Blue 6	0-255 (0-100%)
32	Special	000-199 no function, 200-209 Reset, 210-239 No function, 240-255 Sound active mode

## Specifications:

<b>Power supply</b>	110-240Vac, 50/60Hz (IEC)
<b>Power consumption</b>	40W
<b>Fuse rating</b>	F3A
<b>LED power</b>	White 30W, 8pcs 5050SMD, Wheel 4 Colour
<b>Modes</b>	Auto, sound, master/slave, DMX512
<b>DMX channels</b>	18/32CH
<b>PAN range</b>	540°
<b>Tilt range</b>	270°
<b>Effects</b>	RGBW Kaleidoscope pattern, colour wash, strobe effect, LED Ring
<b>Dimensions</b>	205 x 145 x 250mm
<b>Weight</b>	2.563kg

## Troubleshooting:

No power (mains)	Check mains voltage is correct and outlet is switched on
	Check IEC lead and fuse (if fuse continually blows, refer to your dealer)
No light output	Check control panel mode settings
	Check DMX settings from controller (dimmer levels, blackout etc.)
Unresponsive to DMX	Check that unit is in DMX mode and ensure the A on the DMX address flashes to confirm it's receiving a DMX signal
	Check DMX controller is not set to blackout
	Check DMX controller is on correct fixture/page
	Check master dimmer value
	Check correct DMX address is set
Overheating/ cutting out	Check DMX connection and leads
	Ensure adequate ventilation and unit is not too close to a heat source



This product is classed as Electrical or Electronic equipment and should not be disposed with other household or commercial waste at the end of its useful life. The goods must be disposed of according to your local council guidelines.

### Errors and omissions excepted.

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