

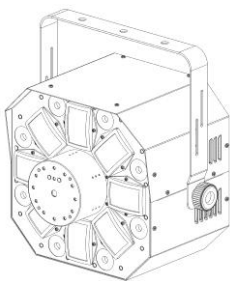
# HADRON WASH

Item ref: 150.473UK

## 4-in-1 LED Light Effect

## User Manual

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



4-in-1 light effect comprising an LED projector, colour wash, strobe and laser in a single compact unit.

This brilliant effect covers a large area and can be operated by built-in auto or sound-to-light programs for an easy plug and play show.

Multiple Hadron Wash effects can be linked together using the master/slave function via DMX to create a synchronised light show. A great all-in-one unit for DJs, performers, nightclubs and other venues.

- 6 ultra bright 3W LEDs in red, green, blue, white, amber and UV produce the classic Derby effect
- 8 bright 6W RGBWAUV LEDs for the wash effect
- 12 x 1W SMD LED's for the Strobe effect
- 50mW green and 100mW red lasers create firefly, firework and star cluster effects
- 9 preset auto programs for different effect combinations
- Auto, sound-to-light, DMX or master/slave controls
- 4 or 15 channel DMX control
- We recommend that this product is used within the guidelines HSG95

### Specifications



Power supply	100-240Vac, 50/60Hz	Beam angle	90°
Power	80W	DMX channels	4 or 15
Fuse rating	1A	DMX connection	XLRM in, XLR out
Effect LEDs	6 x 3W (R,G,B,W,A, UV)	Dimensions	295 x 225 x 285mm
Strobe LEDs	12 x 1W white (SMD)	Weight	4.5kg
Red laser	100mW, 635nm	Wash LEDs	8 x 6W (R,G,B,W,A,UV)
Green laser	50mW, 532nm	Laser safety standard	BSEN62471:2008
Laser class	3B		

### In the box

1 x HADRON WASH unit with bracket, 1 x UK IEC mains lead, 1 x wireless remote, 1 x manual.

## Laser safety function

The laser will only function when the laser safety key switch is turned to the "ON" position. When in the "OFF" position, the HADRON will only use strobe and derby for all settings. The remote socket below the key switch serves a similar function; the laser function will be disabled when the two connections of this socket are connected. To restart the laser function, the key switch needs to be turned off and on again.

	<p>Please do not open the cover, contains high voltage. This product is not serviceable or repairable by the end user. Please refer to qualified personnel for service and repair.</p>	
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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. Always check the correct voltage and the condition of the IEC lead before connecting to a power outlet. Always ensure any DMX leads used are in good condition with no short connections or damaged plugs.

### Warning



This item contains laser radiation, no user serviceable/repairable parts within. Please refer to licensed electrician to perform any required repair or maintenance. This product is strictly for professional use only. Approved personnel required to install and operate the unit, strictly following the laser health and safety guide HSG95.

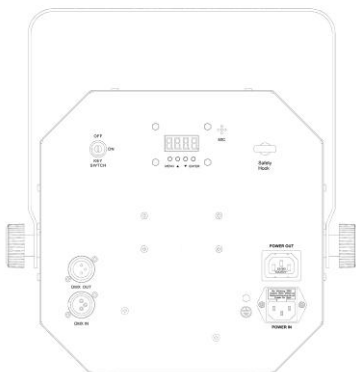
For detailed information regarding HSG95, please see the below web link:

<http://www.hse.gov.uk/pubns/books/hsg95.htm>

**LASER RADIATION  
AVOID EXPOSURE TO BEAM  
CLASS 3B LASER PRODUCT**



This product is a class 3B laser, which means extreme care needs to be taken when operating the device. This laser can cause permanent damage to eyesight through misuse or misconduct. Please read through this manual thoroughly before use.



1. Sound sensitivity rotary adjustment
2. Laser key switch
3. Microphone
4. LED display with 4 button controls (menu, up, down and enter)
5. DMX signal in
6. DMX signal out
7. I-bolt for secondary flying point
8. IEC mains in
9. Earth binding (DO NOT UNSCREW)

## Manual control menu

Press the “menu” button to enter the setting menu.

Press “up” and “down” to navigate through various setting options.

Press “enter” to enter the desired setting.

Choose set value by “up” and “down” buttons and confirm setting by pressing “enter”.

Mode	Program	Description
<b>Auto</b>	Au-1	Auto program 1
	Au-2	Auto program 2
	Au-3	Auto program 3
	Au-4	Auto program 4
	Au-5	Auto program 5
	Au-6	Auto program 6
	Au-7	Auto program 7
<b>Sound (Sond)</b>	So-1	Sound program 1
	So-2	Sound program 2
	So-3	Sound program 3
	So-4	Sound program 4
	So-5	Sound program 5
	So-6	Sound program 6
	So-7	Sound program 7

## Manual control menu continued

Mode	Program	Description
<b>Speed</b> (SPeD)	SP 1— SP9	Speed value for program adjustable
<b>Sensitivity</b> (SEnS)	Se 1—Se9	MIC Sensitivity
<b>Silent Scene</b> (SILE)	OFF	The fixture is open light on music by Sound program
	ON	The fixture is closed light on music by Sound program
<b>Wireless Remote</b> (InFr)	ON	Enable unit to receive IR remote signal
	OFF	Disable IR remote signal
<b>DMX Channels</b> (Addr)	4CH	d 001~d 512 (controller must be plugged in)
	15CH	d 001~d 512 (controller must be plugged in)
<b>Slave Mode</b>	Slav	Slave (use when in Master/Slave mode for 2 <sup>nd</sup> , 3 <sup>rd</sup> etc fixtures in the chain)
<b>Display</b>		Display Normal
		Display Inverted

## 4 channel DMX value reference

<b>CH1</b> LED effect lighting (RGBWA) Wash	0~9	No function
	10~19	Red
	20~29	Green
	30~39	Blue
	40~49	White
	50~59	Amber
	60~69	Ultra Violet
	70~79	Red + Green
	80~89	Red + Blue
	90~99	Green + Blue
	100~109	Green + Amber
	110~119	Blue + Amber
	120~129	Green + White + UV
	130~139	Red + Amber + UV
	140~149	Red + Green + Blue
	150~159	ALL LEDs ON
	160~209	Rainbow Group effect (Slow to Fast)
	210~255	Rainbow Group effect with Strobe (Slow to Fast)

<b>CH2</b> Strobe	0~9	No Function
	10~255	SMD Strobe (Slow to Fast)
<b>CH3</b> Moonflower (motor)	0~9	No Function
	10~129	Clockwise rotation(Slow to Fast)
	130~255	Anti clockwise rotation (From slow to fast)
<b>CH4</b> Laser (motor)	0~9	No Function
	10~119	Laser Motor Clockwise Rotation (Slow to Fast)
	120~129	STOP
	130~255	Laser Motor Anti- Clockwise Rotation (Slow to Fast)

## 15 channel DMX value reference

<b>CH1</b> (wash)	0~255	Red (0-100% Brightness)
<b>CH2</b> (wash)	0~255	Green (0-100% Brightness)
<b>CH3</b> (wash)	0~255	Blue (0-100% Brightness)
<b>CH4</b> (wash)	0~255	White (0-100% Brightness)
<b>CH5</b> (wash)	0~255	Amber (0-100% Brightness)
<b>CH6</b> (wash)	0~255	UV (0-100% Brightness)
<b>CH7</b> (wash)	0~9	No function
	10~19	Red
	20~29	Green
	30~39	Blue
	40~49	White
	50~59	Amber
	60~69	Ultra Violet
	70~79	Red + Green
	80~89	Red + Blue
	90~99	Green + Blue
	100~109	Green + Amber
	110~119	Blue + Amber
	120~129	Green + White + UV
	130~139	Red + Amber + UV
	140~149	Red + Green + Blue
	150~159	ALL LEDs ON
	160~255	Rainbow Group effect (Slow to Fast)
<b>CH8</b> (strobe) (for CH1-7 wash)	0~9	No Function
	10~255	Strobe (Slow to Fast)
<b>CH9</b> - Moonflower	0~9	No function
	10~19	Red
	20~29	Green
	30~39	Blue
	40~49	White
	50~59	Amber
	60~69	Ultra Violet
	70~79	Red + Green
	80~89	Red + Blue
	90~99	Green + Blue
	100~109	Green + Amber

<b>CH9 - Moonflower</b> (cont)	110~119	Blue + Amber
	120~129	Green + White + UV
	130~139	Red + Amber + UV
	140~149	Red + Green + Blue
	150~159	ALL LEDs ON
	160~255	Rainbow Group effect (Slow to Fast)
<b>CH10</b> (strobe)	0~9	No Function
(works with CH9)	10~255	Strobe (Slow to Fast) Moonflower
<b>CH11</b> Moonflower motor (works with CH9)	0~9	No Function
	10~129	Clockwise rotation(Slow to Fast)
	130~255	Anti clockwise rotation (Slow to Fast)
<b>CH12</b>	0~9	No Function
	10~59	Red Laser
	60~109	Green Laser
	110~159	Red and Green Laser
	160~255	Red and Green Laser patterns (Slow to Fast)
<b>CH13</b>	0~9	No Function
	10~129	Laser Motor Clockwise Rotation (Slow to Fast)
	130~255	Laser Motor Anti- Clockwise Rotation (Slow to Fast)
<b>CH14</b>	0~9	No Function
	10~255	SMD Strobe (Slow to Fast)
<b>CH15</b>	0~9	No Function
	10~119	Auto DMX (Slow to Fast)
	120~255	Sound-to-Light DMX (Slow to Fast)

## 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 laser output	Check laser safety key lock is turned to the On position
	Switched safety key lock off and on again to reactivate laser function if it has been previously deactivate via remote socket
No LED display	Press any control panel button and check LED setting in menu
No light output	Check control panel mode settings (standby, slave, sensitivity, DMX)
	Check DMX settings from controller (dimmer levels, blackout etc.)
No strobe output	Check strobe settings on control panel or from DMX controller
Unresponsive to DMX	Check DMX connection and leads
	Check that DMX mode is enabled (set "Addr" on control panel)
Overheating cutting out	Ensure that the unit is well ventilated and away from heat sources

## IR Remote Control

### BLACK OUT Mode

Press BLACK OUT off existing modes, Press again BLACK OUT return the last mode.

### AUTO Mode

Automatic mode will enable you to run the automatic programs on the product.

To turn on Automatic mode:

1. Press <AUTO> on the IRC.
2. Press <+> or <-> to choose between the different auto programs.

### SOUND Mode

Sound-active mode will enable the product to respond to the music.

To turn on Sound-active mode:

1. Press <SOUND> on the IRC.
2. Press <+> or <-> to choose between the different SOUND programs.

### STROBE Mode

To adjust the strobe speed of the automatic program and the sound active program

1. Press <STROBE> on the IRC.
2. Press <+> or <-> to either increase or decrease the speed of the program.
3. Press <STROBE> again to turn off the strobe.

### SPEED Mode

To adjust the speed of the automatic program and the sound-active program.

1. Press <SPEED> on the IRC.
2. Press <+> or <-> to either increase or decrease the speed of the program.

### SENSITIVITY Mode

To adjust sound sensitivity in sound-active mode

1. Press <SENSITIVITY> on the IRC.
2. Press <+> or <-> to either increase or decrease sound sensitivity.

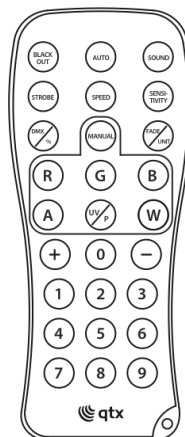
### DMX Mode

To enable DMX or disallow DMX on the product.

Press <DMX> on the IRC, the product will work on the DMX controlling modes.

### MANUAL Mode

1. Press <MANUAL> on the IRC.
2. Press <R>, <G>, <B>, <W>, <A> (red, green, blue, white or amber) to choose your colour.
3. Press <+> or <-> to either increase or decrease the in-built group colour.



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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