

# Pentaflash

Item ref: 151.743UK

## 5 in 1 LED and Laser Effect light

User Manual

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

Thank you for choosing the QTX Pentaflash LED and Laser Effect Light. A compact and lightweight 5-in-1 light effect, combining a 12W RGBW Effect ball, 4x White Strobe/UV LEDs, 4x 6W RGBW PARs and Dual colour Laser in one convenient fixture. Easy to setup and use via an array of integrated automatic programs or sound to light. More precise control is provided via either 18-channel DMX connection or the included IR remote control.



### In the box:

Your Pentaflash 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.**



## Caution: Laser radiation

Avoid pointing directly towards eyes. Laser output can cause injury if viewed directly. This product is a Class 3B laser and should only be installed and used by persons who are trained in the management of laser radiation and are able to operate in accordance within the guidance given by the Health and Safety Executive (HSE) in HS(G)95: "The Radiation Safety of Lasers used for Display purposes". Copies of this guide can be downloaded from: [www.avsl.com/assets/documents/hsg95.pdf](http://www.avsl.com/assets/documents/hsg95.pdf)



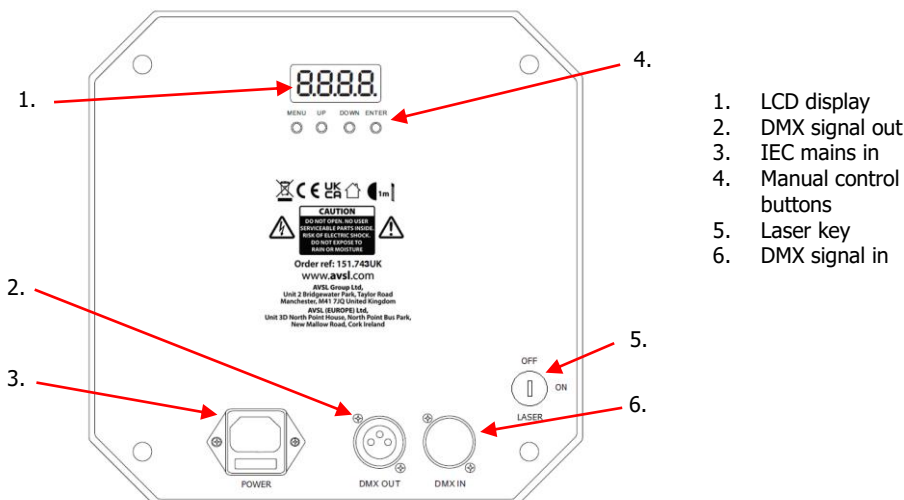
## Placement:

- 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 or laser 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 controls:



## 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
A001	A001 - A512	DMX address settings
LE1	LE11 - LE19	Magic ball red – slow to fast
LE2	LE21 - LE29	Magic ball green – slow to fast
LE3	LE31 - LE39	Magic ball blue – slow to fast
LE4	LE41 - LE49	Magic ball white – slow to fast
LE5	LE51 - LE59	Magic ball auto run – slow to fast
LS	LS1 - LS9	Laser auto run – slow to fast
Pu	Pu1 - Pu9	UV light – low to high
Par	Pa11 - Par19	Red wash – low to high
	Pa21 - Pa29	Green wash – low to high
	Pa31 - Pa39	Blue wash – low to high
	Pa41 - Pa49	White wash – low to high
	Pa51 - Pa59	Colour wash auto run – slow to fast
FL	FL1 - FL9	Strobe – slow to fast
Au	au11 – au19	Auto run (all features) – slow to fast
S1	S11 - S19	Sound to light sequence 1 – sensitivity high to low
S2	S21 - S29	Sound to light sequence 2 – sensitivity high to low

### Remote control:

The Pentaflash comes supplied with an IR remote control, please see below for buttons and functions:



1. Power on/off
2. Auto run mode
3. Par Wash modes
4. Sound to light modes
5. Magic ball modes
6. Laser modes
7. Strobe mode
8. Motor speed (increase/decrease)
9. Auto speed (increase/decrease)
10. Sensitivity (increase/decrease)

### DMX mode:

The Pentaflash 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 DMX channels as indicated in the table below:

Channel	Function	DMX value and description
1	Motor	0-127 rotation position (0-340°) 128-255 motor rotation (fast to slow)
2	Rotation amplitude	0-255 Motor self-moving range (0-340°)
3	Laser motor	0-9 stop, 10-255 (slow to fast)
4	Master dimmer	Linear dimming (low to high)
5	Strobe effect	0-9 stop, 10-255 strobe (slow to fast)

6	Red pattern	0-255 Red LED (low to high)
7	Green pattern	0-255 Green LED (low to high)
8	Blue pattern	0-255 Blue LED (low to high)
9	White pattern	0-255 White LED (low to high)
10	Red Laser	0-255 Red laser show (low to high)
11	Green Laser	0-255 Green laser show (low to high)
12	Red wash	0-255 Red LED (low to high)
13	Green wash	0-255 Green LED (low to high)
14	Blue wash	0-255 Blue LED (low to high)
15	White wash	0-255 White LED (low to high)
16	UV effect	0-255 UV (low to high)
17	White strobe	0-255 Strobe (slow to fast)
18	Macro functions	0-50 Channel 1 to 17 is valid, 51-150 auto run, 150-255 voice control

### Specifications:

<b>Power supply</b>	110-240Vac, 50/60Hz (IEC)
<b>Power consumption</b>	60W
<b>Fuse rating</b>	F3A
<b>Light source</b>	Strobe/UV: 4x UV/White LED, Effect Ball: 1x 12W RGBW, LED PAR: 4x 6W RGBW, Dual Colour Laser: 150mW Red and 50mW Green
<b>DMX channels</b>	18CH
<b>Dimensions</b>	190 x 190 x 115mm
<b>Weight</b>	850g

### 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.)
No strobe output	Check strobe settings on control panel or from DMX controller
No Laser output	Check laser key on rear panel is turned on
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 black out
	Check DMX controller is on correct fixture/page
	Check master dimmer value
	Check correct DMX address is set
	Check DMX connection and leads
Overheating/ cutting out	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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