

## PD5H-25

### COMPACT OUTDOOR DMX HEX-LED PAR48 CAN

Item ref: 154.321UK

User Manual

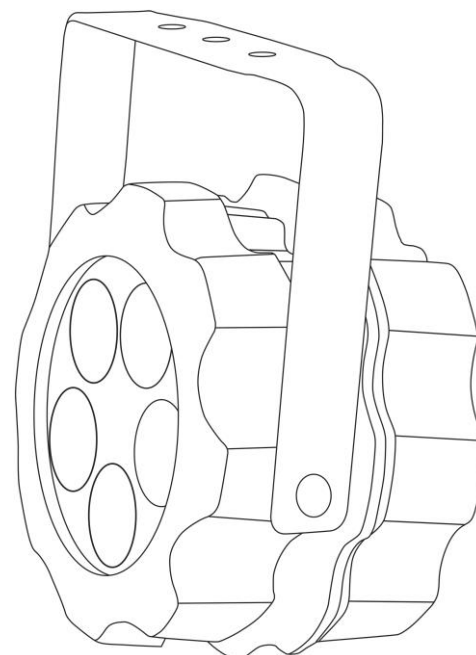
Please read through this manual thoroughly before use, any damage caused by misuse of the product will not be covered by the warranty.



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.



A weatherproof LED lighting PAR48 can in aluminium housing with adjustable stand bracket. Full colour mixing can be accessed through stand-alone control or via DMX512 input. Built-in 6-in-1 HEX LEDs are capable of displaying red, green, blue, white, amber and UV. These LEDs allow for richer and warmer colour blending. A versatile fixture for adding dynamic colour to indoor or outdoor areas.



#### Installation:

This PAR can is powered by mains, therefore installation should be carried out certified electrician only. Before installation, always ensure the mains is switched OFF at the consumer unit and the fuse block should be removed on the circuitry that you are working on to ensure the mains will not be accidentally switched back on while working.

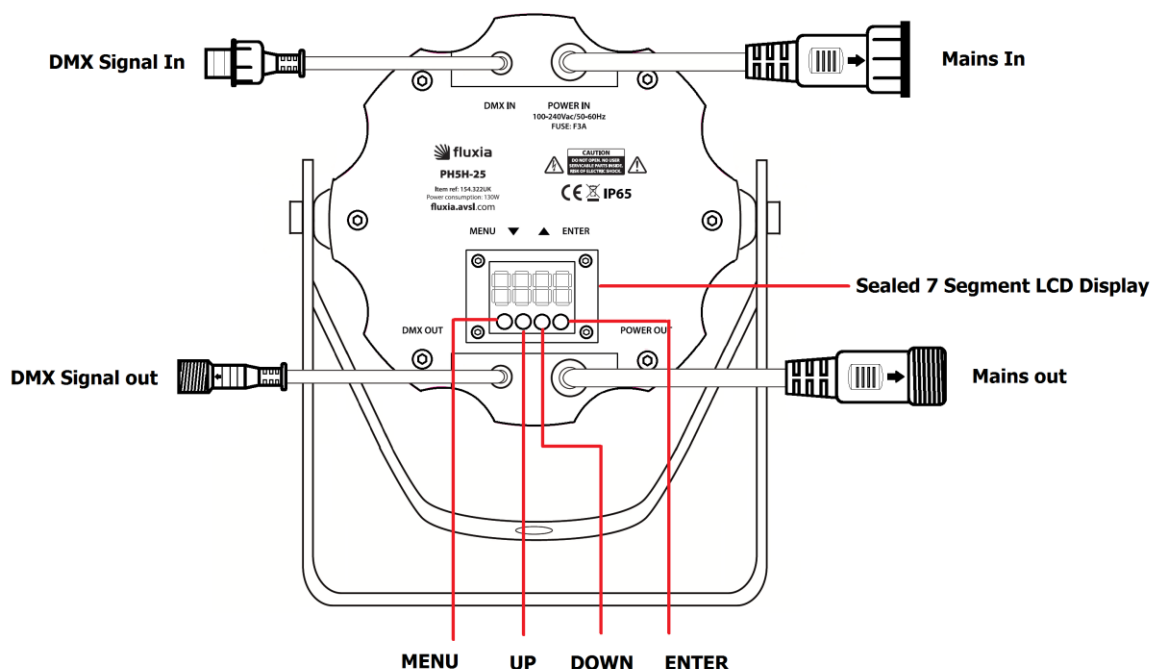
This PAR can is supplied with a double bracket for free standing on the floor or overhead mounting. There is also a fixed U bracket at the back for the unit to be mounting on a spade bracket.

IP65 rating applies to the unit only. If more units are requiring connect together at a distance longer than attached leads, we recommend to strip the water proof connector and extend the connections using waterproof junction box and gland or waterproof resin jointing kit for full IP65 protection. Below table shows wire colour and connection, please ensure all connections are made correctly.

#### Wire colour reference

Colour	Carries
Brown	Mains – live
Blue	Mains – neutral
Yellow/Green	Mains – earth
Red	DMX – dmx+ signal
White	DMX – dmx- signal

## Product layout



## Manual control menu

Press the "menu" button to enter setting menu.

Press "up" and "down" to navigate through various setting options.

Press "enter" to enter desired setting.

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

Display	Mode	Press ENTER for setting
<i>Addr</i>	DMX address	<i>ADD 1</i> to <i>AS 12</i>
<i>chnd</i>	Channel mode	Select DMX control through 2, 3, 4, 5, 9 channels
<i>SLnd</i>	Slave mode	<i>ASL</i> = master, <i>SLA</i> = slave
<i>Shnd</i>	Auto mode	Option of fade (colour scroll), jump, auto or 63 preset static colours.
<i>SoUn</i>	Sound activation	<i>on</i> = sound to light on, <i>off</i> = sound to light off
<i>SEnS</i>	Microphone sensitivity	<i>0 - 100</i> (0-100% gain)
<i>bALA</i>	RGB colour mixing mode	Press up and down to set individual RGB dimmer to allow colour mixing.
<i>LEd</i>	LED display	<i>on</i> = stays on, <i>off</i> = turns off after 10 sec untouched
<i>di SP</i>	LED display inverted	<i>di SP</i> / <i>dSI P</i> (normal or inverted display)
<i>tESt</i>	Fixture test sequence	Fixture steps through all functions – press MENU to exit
<i>hoUr</i>	Fixture hours	Displays how many hours of use for the fixture

## Operation

This PAR Can can operate in stand-alone, master, slave or DMX modes.

### Stand-alone

Enter Stand-alone menu by press enter on *Shnd* on the LCD display, 4 auto mode options are available as follows:

Fade (scroll) – press enter at *FAde* to set unit to scroll through preset static colours. Options for scroll speed *SP00* to *SP99* and dimming *d000* to *d255* are available to adjust.

Jump – press enter at *JUuP* to set unit to jump through preset static colours. Options for jump speed *SP00* to *SP99* and dimming *d000* to *d255* are available to adjust.

Auto – press enter at **ShoU** to set unit to auto mode. Sound activation function can be enable in this mode by setting **SoUn** to **on** from the main menu.

Static colour – there are 63 preset colours available to choose from. Press enter at **CoLo**, static colours are chosen through **Co01** to **Co63** and dimming **d000** to **d255** are available to adjust within the same menu.

### Master/slave mode

One or more PAR Cans can be synchronised to one master unit. Simply set the main control unit to master (**MASt**) on **SLnd** menu and the synchronising units to slave (**SLAv**) on **SLnd** menu. Connect DMX out from the master unit to DMX in of the slave unit; further slave units can be controlled by daisy chain DMX out signal from the slave unit.

### DMX mode

This PAR Can will enter DMX mode automatically when DMX signals are detected, ensure the DMX initial address is set so that it's function can be controlled correctly. DMX initial address can be set under **Addr** menu, simply press enter to enter and up/down for address value and enter again to confirm.

This PAR Can can be controlled by 2/3/4/5/6/9 DMX channel modes, different DMX control modes can be set via the **CHnL** menu.

### 2CH – 2 channels

Channel	Value	Function
Channel 1	000 - 255	Master dimmer 0-100%
Channel 2	000 - 255	Static colour selection

### 3CH1 – 3 channels Op1

Channel	Value	Function
Channel 1	000 - 255	Master dimmer 0-100%
Channel 2	000 - 255	Strobe slow to fast
Channel 3	000 - 004	Black out
	005 - 080	Static colour selection
	081 - 150	Colour jump, speed increase with value
	151 - 220	Colour scroll, speed increase with value
	221 - 255	Sound to light chase

### 3CH2 – 3 channels Op2

Channel	Value	Function
Channel 1	000 - 255	Red dimmer 0-100%
Channel 2	000 - 255	Green dimmer 0-100%
Channel 3	000 - 255	Blue dimmer 0-100%

### 4CH – 4 channels

Channel	Value	Function
Channel 1	000 - 255	Red dimmer 0-100%
Channel 2	000 - 255	Green dimmer 0-100%
Channel 3	000 - 255	Blue dimmer 0-100%
Channel 4	000 - 255	White dimmer 0-100%

### 5CH – 5 channels

Channel	Value	Function
Channel 1	000 - 255	Red dimmer 0-100%
Channel 2	000 - 255	Green dimmer 0-100%
Channel 3	000 - 255	Blue dimmer 0-100%
Channel 4	000 - 255	White dimmer 0-100%
Channel 5	000 - 255	Amber dimmer 0-100%

### 6CH – 6 channels

Channel	Value	Function
Channel 1	000 - 255	Red dimmer 0-100%
Channel 2	000 - 255	Green dimmer 0-100%
Channel 3	000 - 255	Blue dimmer 0-100%
Channel 4	000 - 255	White dimmer 0-100%
Channel 5	000 - 255	Amber dimmer 0-100%
Channel 6	000 - 255	UV dimmer 0-100%

### 9CH – 9 channels

Channel	Value	Function
Channel 1	000 - 255	Master dimmer 0-100%
Channel 2	000 - 255	Strobe, speed 0-100%
Channel 3	000 - 255	Red dimmer 0-100%
Channel 4	000 - 255	Green dimmer 0-100%
Channel 5	000 - 255	Blue dimmer 0-100%
Channel 6	000 - 255	White dimmer 0-100%
Channel 7	000 - 255	Amber dimmer 0-100%
Channel 8	000 - 255	UV dimmer 0-100%
Channel 9	000 - 004	N/A
	005 - 080	Static colour selection
	081 - 150	Colour jump, speed increase with value
	151 - 220	Colour scroll, speed increase with value
	221 - 255	Sound to light chase

## Specifications

Power	100-240Vac, 50/60Hz	DMX connection	Red: DMX+, White: DMX-, Braid: ground
Fuse	F3A	DMX channels	2, 3, 4, 5, 6, 9
Power consumption	100W	Luminance : red	900Lux @1m
Total luminous flux	2212lm	Luminance : green	1700Lux @1m
Luminous efficacy	22.1lm/W	Luminance : blue	1700Lux @1m
LED quantity	5	Luminance : white	1900Lux @1m
LED power	18W	Luminance : amber	550Lux @1m
LED colour	6-in-1 HEX (red, green, blue, UV, amber & white)	Luminance : ultra-violet	600Lux @1m
LED lifespan	50,000 hours	Luminance : full on	7000Lux @1m
Beam angle	25°	Operating temperature	-20°C to +45°C
Housing material	Aluminium	IP rating	IP65
Projection distance	10m	Dimensions	220 x 245 x 130mm
Housing colour	Black	Weight	3kg

## Troubleshooting

No power (mains)	Check mains wiring is correctly to mains in connection
	Check mains outlet and consumer unit is switched on
No LED display	Press any control panel button and check LED setting in menu
No light output	Check control panel mode settings ensure dimming is not set to minimum
	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/joints to ensure dmx + and - not shorted and ground is continuous to eliminate interference
	Check that DMX mode is enabled (set "Addr" on control panel)
	Check dmx lead and connector is in good workable condition
Overheating/cutting out	Ensure that the unit is not too close to a heat source
	Ensure that adequate airflow is afforded for cooling
	Ensure alien object and dirt is not built up between heat sink fins



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.