PAR12
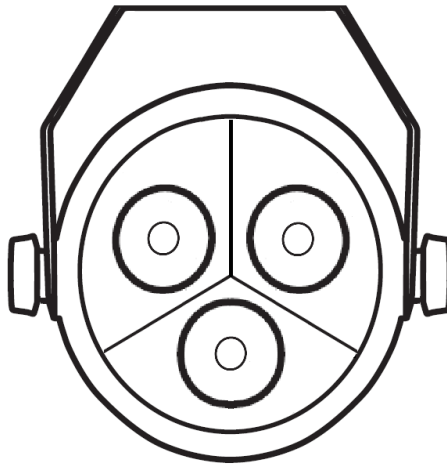
3 x 4W RGBW LED PAR Light

Version 1.0

⚠ | Caution: Please read this manual carefully before operating
Damage caused by misuse is not covered by the warranty

Thank you for choosing the PAR12 as part of your light show. The PAR12 is a compact DMX fixture which has been designed to be easy to set up as a small light show but with enough features to integrate into larger installations. Please read and keep the following instructions for future reference.

SAFETY SYMBOL AND MESSAGE CONVENTIONS

| | CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN | AVIS
RISQUE DE CHOC ELECTRIQUE NE PAS OUVRIR | |

| | This symbol indicates that dangerous voltage constituting a risk of electric shock is present within this unit |

| | This symbol indicates that there are important operating and maintenance instructions in the literature accompanying this unit. |

Warning

To prevent the risk of fire or electric shock, do not expose any components to moisture.
If liquids are spilled on the casing, stop using immediately, allow unit to dry out and have checked by qualified personnel before further use. Avoid impact, extreme pressure or heavy vibration to the case. No user serviceable parts inside – Do not open the case – refer all servicing to qualified service personnel.

Safety

Check for correct mains voltage and condition of IEC lead before connecting to power outlet
Do not allow any foreign objects to enter the case or through the ventilation grilles
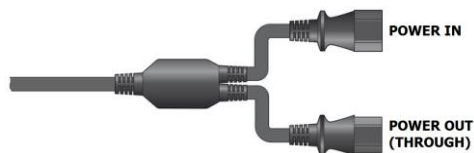
Placement

- Keep away from damp or dusty environments
- Use the included bracket for installation and ensure all fixings are secure
- Ensure adequate air-flow around the housing
- Ensure adequate access to controls and connections
- Avoid aiming directly towards eyes at close range
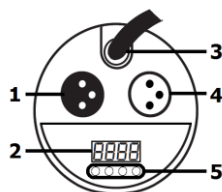
Cleaning

- 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

Power Connection

The PAR12 is hard-wired to a split IEC lead with a male and a female IEC connector. Connect the supplied IEC mains lead from the male IEC to a suitable outlet and connect the female IEC on to power further PAR12 fixtures or other equipment.

Rear Panel

1 DMX input XLR
2 LED display
3 Power cable
4 DMX output XLR
5 Menu buttons

Internal Settings

Using the menu buttons (5) the PAR12 can be set to run in various modes.
These are outlined in the table below.

Function	Display	Press Up/Down	Press Enter + Up/Down
DMX address setting	d---.	d00 1. - d5 12. DMX start address	
Slave mode (IP mode)	I P.--	I P.0 1 - I P.64	
Auto 1 static colours	A 1.--	A 1.0 1 - A 1. 18 Colours setting	
Auto 2 colour change	A2_--	A2.0 1 - A2.32 Speed setting	
Auto 3 fade programs	A3.--	A3.0 1 - A3. 19 Colours setting	A3.0 1 - A3.32 (flashing) Speed setting
Auto 4 sound-activated	A4.--	A4.0 1 - A4. 19 Sequence setting	A4.0 1 - A4.04 (flashing) Mic. sensitivity
Auto 5 strobe programs	A5.--	A5.0 1 - A3. 19 Colours setting	A5.0 1 - A3.32 (flashing) Speed setting
Red custom level	r.---	r.000 - r.255	Static Red level 0-100%
Green custom level	9.---	9.000 - 9.255	Static Green level 0-100%
Blue custom level	b.---	b.000 - r.255	Static Blue level 0-100%
White custom level	u.---	u.000 - u.255	Static White level 0-100%

DMX Connection

The PAR12 has a male XLR and female XLR on the rear panel (1, 4) for DMX512 control or connection to other PAR12 units for Master/Slave operation. Link in sequence from DMX OUT to DMX IN connectors using good quality 3-pin XLR leads which are suitable for DMX.

DMX Functions

Channel	Value	Description
CH1	000 - 010	No function
	011 - 050	Auto program 1
	051 - 100	Auto program 2
	101 - 150	Auto program 3
	151 - 200	Auto program 4
	201 - 255	Auto program 5
CH2	000 - 039	All colours
	040 - 049	Red
	050 - 059	Green
	060 - 069	Blue
	070 - 079	Yellow
	080 - 089	Cyan
	090 - 099	Purple
	100 - 109	White
	110 - 119	Red + Green
	120 - 129	Red + Blue
	130 - 139	Red + White
	140 - 149	Green + Blue
	150 - 159	Green + White
	160 - 169	Blue + White
	170 - 179	Red + Green + White
	180 - 189	Red + Blue + White
	190 - 199	Green + Blue + White
	200 - 209	Red + Green + Blue
	210 - 255	Red + Green + Blue + White
CH3	000 - 255	Speed setting
CH4	000 - 255	Master dimming
CH5	000 - 255	Red dimming
CH6	000 - 255	Green dimming
CH7	000 - 255	Blue dimming
CH8	000 - 255	White dimming

DMX operation

In order to access the DMX functions, the DMX start address will need to be set on the control panel (or from the remote control – see below).
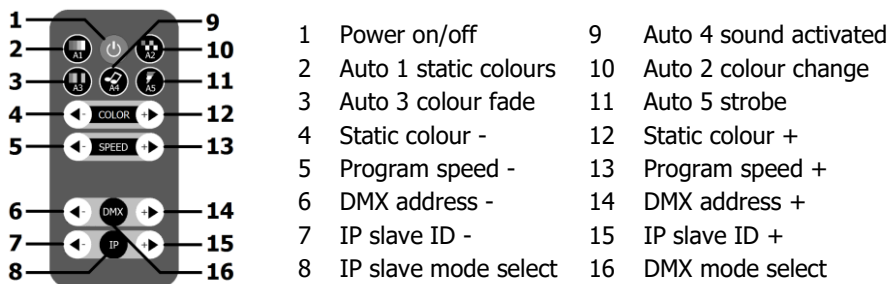
When the display shows "*d001*", this means that the PAR12 is operated by channels 1-8 as detailed on the previous page. When the display shows "*d203*", this means that the PAR12 is operated by channels 203-210.

The start address can be anywhere between 001 and 512

Standalone operation

The PAR12 can be operated without external control by selecting one of the Auto or custom static colour settings from the control panel menu. These are Shown in the Internal Settings section on page 3 of this manual.

Internal settings can also be selected via the included IR remote control as detailed below. As supplied, the remote handset has a clear plastic tab inserted which should be removed to activate the CR2025 button cell. Point the handset toward the front of the PAR12 unit at a range of no more than 5m for remote control.

1	Power on/off	9	Auto 4 sound activated
2	Auto 1 static colours	10	Auto 2 colour change
3	Auto 3 colour fade	11	Auto 5 strobe
4	Static colour -	12	Static colour +
5	Program speed -	13	Program speed +
6	DMX address -	14	DMX address +
7	IP slave ID -	15	IP slave ID +
8	IP slave mode select	16	DMX mode select

Master/slave operation

A PAR12 fixture operating in one of the standalone modes may be connected onto further PAR12 units by DMX lead (XLR-XLR) as a master unit. The slave units must be set to "IP" mode to mimic the operation of the master unit.

The LED display will show "IP" followed by two digits, which is the IP number. The IP number is not used in the PAR12 and any setting from IP01 to IP64 will operate as slave mode (IP numbers are only used in different types of fixtures)

When IP mode is selected, the PAR12 will mimic any DMX input from another PAR12 operating in standalone Auto or Static Colour mode.

Specifications

Power supply	100 - 240Vac, 50/60Hz (IEC in & through)
Power consumption	15W
LEDs	3 x 4W RGBW
Connections	IEC in/out, DMX in/out (XLR)
Operating temperature range	-20 to +40°C
DMX channels	8
Beam angle	25°
Dimensions	120 x 115 x 110mm
Weight	408g