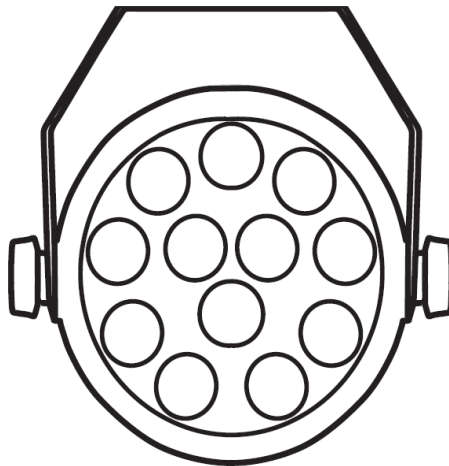


# B12P

Rechargeable Mini PAR Light

Item ref: 154.013UK

User Manual



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 B12P as part of your light show. The B12P is a compact DMX fixture which has been designed to be versatile enough to use as a standalone unit or as part of a larger DMX installation. 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 adaptor lead before connecting to a power outlet. Do not allow any foreign objects to enter the case or through the ventilation grilles.

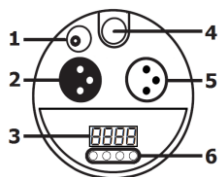
## Placement

- 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

## Rear Panel



- 1 DC power in jack
- 2 DMX input XLR
- 3 LED display
- 4 Power on/off button
- 5 DMX output XLR
- 6 Menu buttons

## Powering up

The B12P is fitted with an internal rechargeable battery, which when charged will operate the B12P for up to 4 hours without connection to external power. The B12P is also supplied with a DC power adaptor which connects to the unit via a DC jack on the rear panel (1). This adaptor should be plugged into a suitable mains outlet, ensuring the correct voltage is supplied. This adaptor has the capacity to power the unit for standalone or DMX operation and when the B12P is switched off, it will charge the internal battery.

## Internal Settings

Using the menu buttons (6) the B12P 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    | <i>d---</i>   | <i>d00 1 - d5 12.</i><br>DMX start address  |  |
| IP slave ID setting    | <i>IP.--</i>  | <i>IP.0 1 - IP.64</i>                       |  |
| Auto 1 static colours  | <i>A 1.--</i> | <i>A 1.0 1 - A 1. 18</i><br>Colours setting |  |
| Auto 2 colour change   | <i>A2.--</i>  | <i>A2.0 1 - A2.32</i><br>Speed setting      |  |
| Auto 3 fade programs   | <i>A3.--</i>  | <i>A3.0 1 - A3. 19</i><br>Colours setting   | <i>A3.0 1 - A3.32</i> (flashing)<br>Speed setting    |
| Auto 4 sound-activated | <i>A4.--</i>  | <i>A4.0 1 - A4. 19</i><br>Sequence setting  | <i>A4.0 1 - A4.04</i> (flashing)<br>Mic. sensitivity |
| Auto 5 strobe programs | <i>A5.--</i>  | <i>A5.0 1 - A3. 19</i><br>Colours setting   | <i>A5.0 1 - A3.32</i> (flashing)<br>Speed setting    |
| Red custom level       | <i>r.---</i>  | <i>r.000 - r.255</i>                        | Static Red level 0-100%                              |
| Green custom level     | <i>g.---</i>  | <i>g.000 - g.255</i>                        | Static Green level 0-100%                            |
| Blue custom level      | <i>b.---</i>  | <i>b.000 - r.255</i>                        | Static Blue level 0-100%                             |
| White custom level     | <i>u.---</i>  | <i>u.000 - u.255</i>                        | Static White level 0-100%                            |

## DMX Connection

The B12P has a male XLR and female XLR on the rear panel (1, 4) for DMX512 control or connection to other B12P units for Master/Slave operation. Connect in sequence from female XLR to male XLR 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).

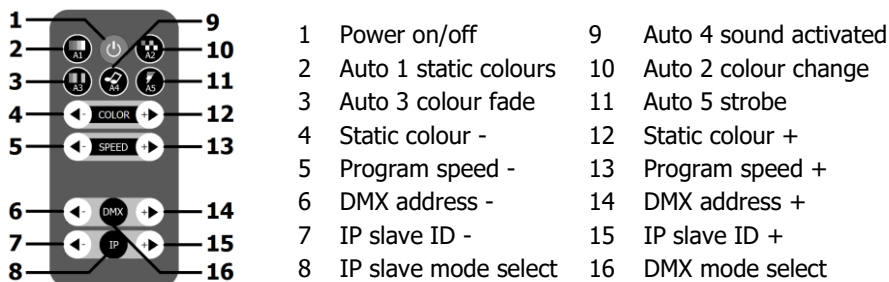
When the display shows “**000 1**”, this means that the B12P is operated by channels 1-8 as detailed on the previous page. When the display shows “**203**”, this means that the B12P is operated by channels 203-210.

The start address can be anywhere between 001 and 512

## Standalone operation

The B12P 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 B12P unit at a range of no more than 5m for remote control.



## Master/slave operation

A B12P fixture operating in one of the standalone modes may be connected onto further B12P 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 B12P 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 B12P will mimic any DMX input from another B12P operating in standalone Auto or Static Colour mode.

## Specifications

|               |   |
|---------------|---|
| Power supply  | 12.6Vdc (mains adaptor included)                    |
| No. of LEDs   | 12  |
| LED type      | 1W single colour                                    |
| Beam angle    | 25°   |
| Modes         | DMX512, Master/Slave, Auto, Sound active, IR remote |
| DMX channels  | 8   |
| Battery       | 11.6V 2000mAh Li ion                                |
| Battery life  | 3 - 4 hours   |
| Recharge time | 5 hours   |
| Dimensions    | 90 x 120mmØ   |
| Weight        | 437g  |



**Disposal:** The "Crossed Wheelie Bin" symbol on the product means that the 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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