

EVENT LIGHTING

PAR6X120B

6x 12W RGBWAU Outdoor Battery LED PAR

USER MANUAL



For your safety, please read this user manual carefully before use.

Event Lighting reserves the right to revise the manual at any time. Information and specifications within this manual are subject to change without notice. Event Lighting assumes no liability or responsibility for any errors or omissions. Please consult Event Lighting for any clarification or information regarding this item.

Version 1.0.1 (27 Apr 2020, revised 10 May 2021)

Safety Instructions

Warning

- Do not open this device, there are no user serviceable parts inside. Risk of electric shock.
- Do not look directly at the light source from close range.
- Avoid contact with the unit during operation, as the housing may become hot. Allow the fixture to cool for at least 15 minutes after turning off before touching.
- Install this device in a location with adequate ventilation, at least 50cm from adjacent surfaces.
- Do not operate this device, or connect this device to power, within 50cm of any flammable material.
- Use a safety chain when mounting this device overhead.
- Do not operate this device outdoors where excessive dust, heat, water, or humidity may affect it.
- This device is IP65 certified, meaning that it is protected against dust ingress, and protected against low pressure water jets from any direction. Ensure all protective covers are sealed correctly.
- Do not operate this device if the housing, lenses, or cables appear damaged.
- Do not connect this device to a dimmer or rheostat.
- Do not operate this device at temperatures higher than 40°C (104°F).
- **Only** connect this device to a grounded and protected circuit.
- **Only** use the hanging bracket to carry this device.
- Stop using this device immediately if a serious operating problem becomes apparent.

IMPORTANT: Only use the provided Outdoor DMX cable in the device's DMX out port. Use of other cables will cause the cable to become stuck in the port, requiring the unit to be repaired.

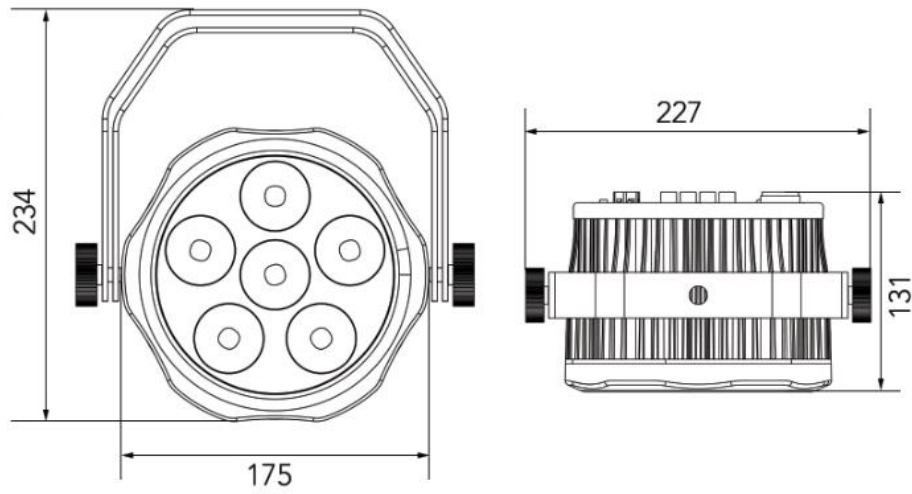
Coin/Button Cell Battery Safety Information

This product includes an IR remote that contains a coin/button cell battery. If the battery is swallowed, it can cause severe internal burns and, in extreme cases, can lead to death. Keep batteries away from children.

Product Installation

PAR6X12OB can be mounted in many orientations, provided each individual device is secured by the use of the correct mounting bracket. Use a safety chain when mounting PAR9X15O overhead.


































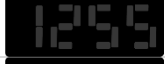




























Dimensions



Lux Chart

| Distance (m) | 1 | 2 | 3 | 4 | 5 |
|--------------|-------|-------|-------|-------|-------|
| Diameter (m) | Ø0.73 | Ø1.46 | Ø2.18 | Ø2.91 | Ø3.64 |
| R | 310 | 75 | 35 | 20 | 13 |
| G | 1,160 | 340 | 150 | 80 | 56 |
| B | 1,205 | 320 | 136 | 76 | 2 |
| W | 1,280 | 330 | 149 | 80 | 49 |
| A | 438 | 110 | 49 | 28 | 18 |
| U | 238 | 62 | 26 | 15 | 10 |
| Full | 3,820 | 970 | 460 | 290 | 180 |

Control Board Operation

| | | | | | |
|-------------------------------------------------------------------------------------|----|-------------------------------------------------------------------------------------|----|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|
|  | -> |  | - |  | Select DMX address for 6 ch mode |
|  | -> |  | - |  | Select DMX address for 10 ch mode |
|  | -> |  | or |  | Set dimming speed (SL: slow / FA: fast) |
|  | -> |  | or |  | When lost DMX signal, ho: keep the last DMX signal state OF: blackout |
|  | -> |  | or |  | Switch on/off wireless DMX control |
|  | -> |  | or |  | Switch on/off IR remote control |
|  | -> |  | - |  | Set red colour intensity |
|  | -> |  | - |  | Set green colour intensity |
|  | -> |  | - |  | Set blue colour intensity |
|  | -> |  | - |  | Set white colour intensity |
|  | -> |  | - |  | Set amber colour intensity |
|  | -> |  | - |  | Set UV colour intensity |
|  | -> |  | - |  | Display IR control brightness level |
|  | -> |  | - |  | Set strobe speed |
|  | -> |  | - |  | Select 15 static colour modes, see chart: Static colour mode |
|  | -> |  | - |  | Select 16 speed of auto colour switch mode |
|  | -> |  | - |  | Select 16 speed of auto colour fading mode |
|  | -> |  | - |  | Select 16 speed of auto colour pulse out mode |
|  | -> |  | - |  | Select sound active mode with different sound sensitive level |
|  | | | | | Display current temperature |
|  | | | | | Display version number |
|  | -> |  | or |  | Reset |

Static Colour Mode

| Value | Function |
|-------|------------------------|
| C1 | R |
| C2 | G |
| C3 | R + G |
| C4 | B |
| C5 | B + R + UV |
| C6 | G + B |
| C7 | R + G + B + A + UV |
| C8 | W |
| C9 | R + W |
| C10 | G + W |
| C11 | R + A |
| C12 | B + W + UV |
| C13 | R + B + W + UV |
| C14 | G + B + W |
| C15 | R + G + B + W + A + UV |

Wireless DMX Mode

Set Up Wireless DMX

PAR6X12OB needs to be paired from the Wireless DMX transmitter. Follow the steps below to pair:

1. Connect the DMX512 controller to the wireless DMX transmitter.
2. Switch on PAR6X12OB, turn on the wireless DMX control on from control panel 'rfon'
3. Set the PAR6X12OB to DMX mode. (Axxx or dxxx)
4. Switch off PAR6X12OB. Then, press and hold the 'DMX select' button whilst switching on PAR6X12OB. Once PAR6X12OB turns on, the 'wireless status' light will be lit white and the unit will be in 'setup mode'.
5. The 'wireless indicator' will be lit to a specific colour to indicate the protocol being used for the transmission as shown in TABLE1. Pressing the button will cycle through the colours.
6. Once the desired protocol is selected, press the button for more than 1 second to save the protocol. The transmitters, receivers and transceivers will remember the protocol used even after a power cycle with their built-in memory chip.

Now, select either WDMX Mode or ELDMX Mode.

Table 1 Protocols

| Colour | Protocol |
|--------|----------------------------|
| Red | ELDMX Transmit and Receive |
| Green | WDMX Receive |
| Blue | WDMX G3 Transmit |

Using WDMX Mode Transmitters

Press the button to connect all unconnected receivers in the coverage area.
 Press the button for 3 seconds to disconnect all receivers in the coverage area.

Receivers

Press the button for 3 seconds to disconnect the device from the transmitter it is currently connected to.

Note: The colour of the light will indicate the group. Refer to Table 2 below.

Note: The receiver will not connect with a new transmitter unless it is disconnected first.

Table 2 **WDMX Status Indicators**

| Protocol | Action | Description |
|----------------|------------------|-------------------------------|
| W-DMX Receive | White | No connection |
| | Red | Deleting Connection |
| | Red Fast Flash | Connection Lost |
| | Green Fast Flash | Connecting to Transmitter |
| | Green Slow Flash | Connected but no DMX signal |
| | Green | Connected with DMX signal |
| W-DMX Transmit | Red | Deleting All Receivers |
| | Blue Fast Flash | Connecting with the receivers |
| | Blue Slow Flash | No DMX input |
| | Blue | Transmitting DMX |

Using EL/GZ Wireless DMX Mode

Changing Channel Group

Press the button to display the current channel group being used.

Press the button again to cycle through the groups. The colour of the light will indicate the group as shown in Table3.

Table 3 **Status Indicators**


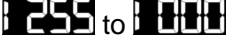



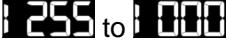



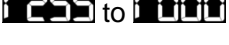



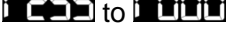



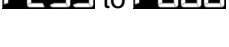











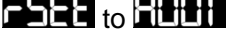


| Protocol | Action | Description |
|----------|-------------------------------------------------------|--------------------------|
| ELDMX | Solid Colour (Red, Green, Blue, Yellow, Cyan, Purple) | 1 of the 6 colour groups |
| | Flashing Red | Transmitting DMX |
| | Flashing Green | Receiving DMX |

IR Remote Control Mode

- You must switch off wireless DMX function, select **rFof**.
- Select **ron**, then use IR remote to switch on IR remote control mode.



| Key | Function | Display | |
|--------------|---------------------------------------------------------------------------------------------|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| BLACK OUT | Switch on/off IR function | 1r to CC12 | Press <blackout> button to switch on the fixture IR function, fixture will go to CC12 auto colour switch mode or your last setting |
| | | ron | Press <blackout> button when unit under IR mode, fixture will blackout and be on IR standby mode |
| AUTO | Select auto colour switch mode (CC) or auto colour pulse out mode (CP) with different speed | CC10 Between CP15 | Use <Auto> button to select CC or CP mode, using + - to change speed. |
| SOUND | Select sound active mode (SU) with different sensitivity level | SU15 | Press <SOUND> button to select SU mode, use + - to change sensitivity level |
| FADE | Select auto colour fade mode (dE) with different speed | dE15 | Press <FADE> button to select dE mode, use + - to change speed. |
| MANUAL | Select manual colour mode | d1on to 1255 | Press <MANUAL> button to enter manual colour mode |
| | | 1255 | Use R G B A U W button to cycle though 20% change of intensity of each colour separately. |
| | | d1of to 1255 | Press <MANUAL> button to quit manual colour mode, fixture will blackout |
| % | Select intensity of LED full on mode | 1000 to 1255 | Press <%> button to cycle though 10% change of intensity on static colour (R255+G255+B255+W255+A255+U255) mode. |
| 0 | Select intensity of static colour (R255+G255+B255+W255+A255+U255) | 1255 to 1000 | Use + - to change intensity |
| 1 | Select intensity of static colour (R255) | 1255 to 1000 | Use + - to change intensity |
| 2 | Select intensity of static colour (UV50+R255) | 1255 to 1000 | Use + - to change intensity |

| | | | |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | Select intensity of static colour (R255+G50) |  | Use   to change intensity |
|  | Select intensity of static colour (G255) |  | Use   to change intensity |
|  | Select intensity of static colour (G160+B255+UV100) |  | Use   to change intensity |
|  | Select intensity of static colour (B255+UV50) |  | Use   to change intensity |
|  | Select intensity of static colour (R50+B255+UV200) |  | Use   to change intensity |
|  | Select intensity of static colour (R255+B150+UV255) |  | Use   to change intensity |
|  | Select intensity of static colour (R255+B20+A200) |  | Use   to change intensity |
|  | Reset factory default setting |  | |
|  | No function | | |
|  | Add strobe effect on CC, CP, SU, dE, dl and static colour mode. | No change | Press <STROBE> button to cycle though 1/8 change of strobe speed |

DMX Chart

6 Channel Mode

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

10 Channel Mode

| Channel | Value | Function |
|-------------------------|------------------------|-------------------------------------------------------------------------------------|
| 1 | 000-255 | Red: 0% ~ 100% |
| 2 | 000-255 | Green: 0% ~ 100% |
| 3 | 000-255 | Blue: 0% ~ 100% |
| 4 | 000-255 | White: 0% ~ 100% |
| 5 | 000-255 | Amber: 0% ~ 100% |
| 6 | 000-255 | UV: 0% ~ 100% |
| 7 | 000-255 | Master Dimmer 0% ~ 100% |
| 8 | 000-255 | Strobe (slow-fast) |
| 9 | 000-050 | No function |
| | 051-100 | Select 15 Static colour mode (CL), colour have been controlled by ch10 |
| | 101-150 | Select Auto colour switching modes (CC), program speed have been controlled by ch10 |
| | 151-200 | Select Auto colour fade mode (dE), program speed have been controlled by ch10 |
| | 201-250 | Select Auto colour pulse mode (CP), program speed have been controlled by ch10 |
| | 251-255 | Select Sound active mode (SU), sound sensitivity level have been controlled by ch10 |
| 10 (Ch9 set 051-100) | 000-015 | No function |
| | 016-031 | R |
| | 032-047 | G |
| | 048-063 | R + G |
| | 064-079 | B |
| | 080-095 | B + R + UV |
| | 096-111 | G + B |
| | 112-127 | R + G + B + A + UV |
| | 128-143 | W |
| | 144-159 | R + W |
| | 160-175 | G + W |
| | 176-191 | R + A |
| | 192-207 | B + W + UV |
| | 208-223 | R + B + W + UV |
| | 224-239 | G + B + W |
| 240-255 | R + G + B + W + A + UV | |
| 10 (Ch9 set 101-250) | 000-255 | Select auto run speed for (CC, dE and CP) from slow to fast |
| 10 (Ch9 set 251-255) | 000-255 | Select sound sensitivity level for sound active mode (SU) form low to high |

Technical Specifications

Power

- Input Voltage: 100~240V AC, 50/60 Hz
- Power Consumption: 72W
- Connection: Seetronic® Outdoor Powercon input connection

Photometrics

- Light Source: 6pcs 6-in-1 RGBWAU 12W LED
- Beam Angle: 40°
- PWM: 20,000 Hz
- LED Lifespan: 50,000 hours

Effects

- Dimming: 0~100%
- Strobe: 0~20 Hz

Control

- Protocol: DMX512, Wireless DMX
- DMX Channels: 6 / 10
- Built-in Programming: Yes
- Display: 4-button & 4-digit LED display control panel
- Cooling: Fanless

Battery

- Approx. 4 hours full colour
- Approx. 20 hours single colour at auto run

Housing

- Materials: Die-cast Aluminium
- Finishing: Matte black
- IP rating: IP65
- Net Weight: 3 kg
- Overall Size: 240 x 165 x 210 mm

Warranty

Please refer to your local dealer or please contact Event Lighting Pty Ltd
Website: www.event-lighting.com.au.