



PRO PAR

Model No. PAR19x15, PAR19x150

USER MANUAL



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

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Ver 3.1

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Safety Instructions

WARNING

- Do not open this device, there is no user-serviceable parts inside. Risk of electric shock.
- Do not look at the light source when the device is on.
- **CAUTION:** This unit's housing may be hot during and after operation.
- Install this device in a location with adequate ventilation, at least 20 inch (50 cm) from adjacent surfaces.
- Do not leave any flammable material within 50 cm of this unit while operating or connected to power.
- Use a safety chain when mounting this device overhead.
- Do not operate this device outdoors or in any location where dust, excessive heat, water, or humidity may affect it.
- Do not operate this device if the housing, lenses, or cables appear damaged.
- Do not connect this device to a dimmer or rheostat.
- **ONLY** connect this device to a grounded and protected circuit.
- **ONLY** use the hanging bracket to carry this device.
- In case of a serious operating problem, stop using immediately.
- The maximum ambient temperature is 104° F (40° C). Do not operate this device at higher temperatures.

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.

Power Input & Power Linking

This device has an auto-switching power supply work with input voltage range of 100~240 VAC, 50/60 Hz.

Link up to the maximum 15A. DO NOT exceed this number.

The maximum number of units that can be power linked is 4 units at 110V and 8 units at 240V.

Product Installation

This device can be mounted in many orientations provided each individual device is secured by the use of correct mounting bracket.

Use a safety chain when mounting this device overhead.

Fuse Replacement

If the fine-wire fuse of the device fuses, only replace the fuse by a fuse of same type and rating.

Before replacing the fuse, unplug mains lead.

Procedure:

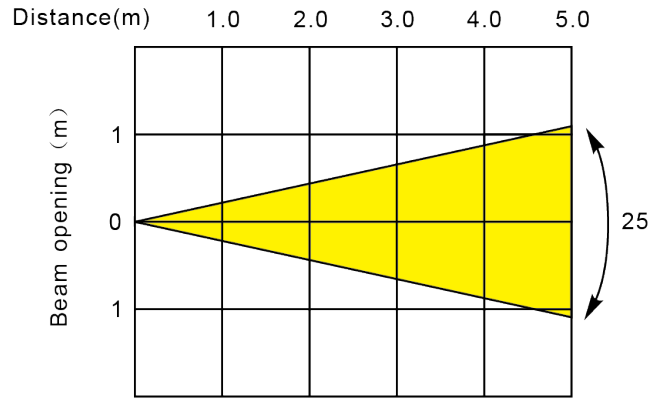
Step 1: Unscrew the fuse holder on the rear panel with a fitting screwdriver from the housing (anticlockwise).

Step 2: Remove the old fuse from the fuse holder.

Step 3: Install the new fuse in the fuse holder.

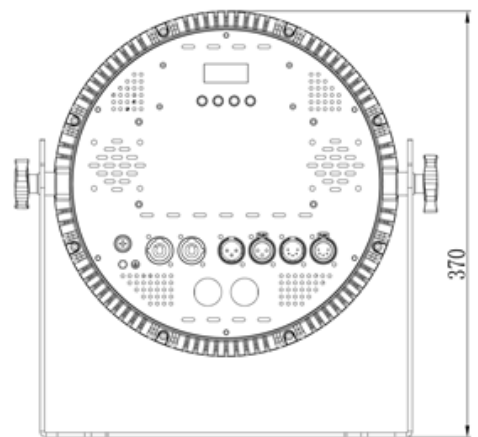
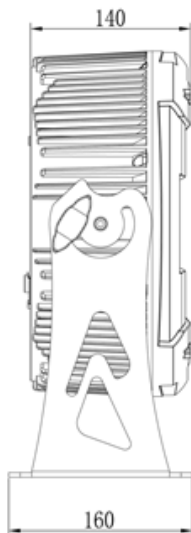
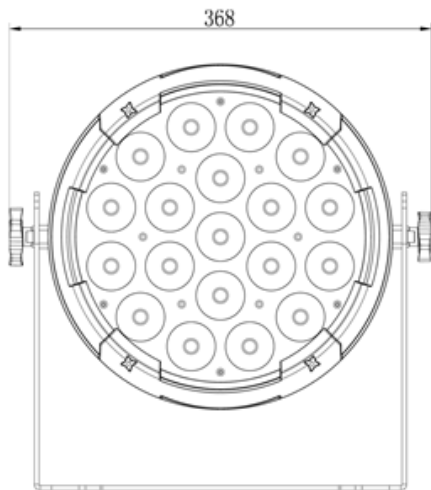
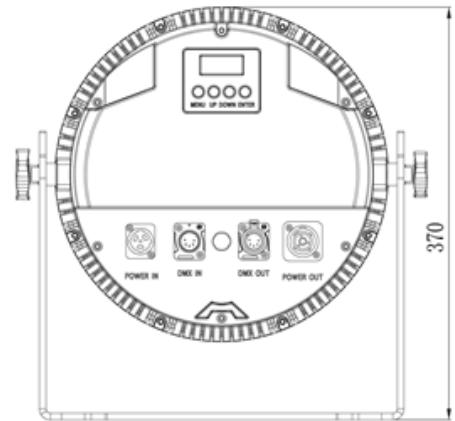
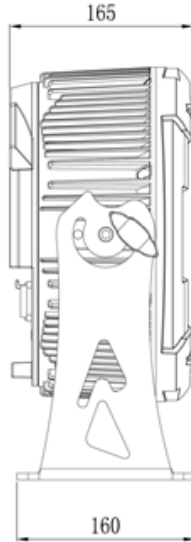
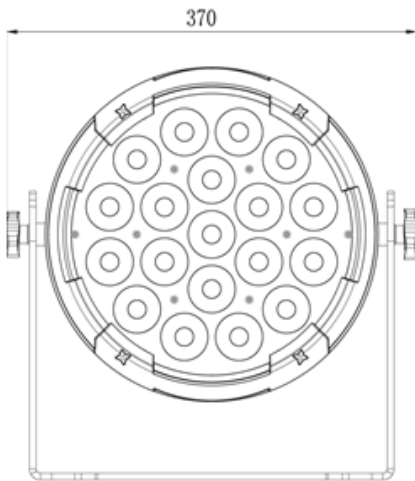
Step 4: Replace the fuse holder in the housing and fix it.

Lux Chart



| Diameter(m) | 0.57 | 0.97 | 1.37 | 1.78 | 2.18 |
|-----------------|-------|-------|------|------|------|
| Intensity LUX R | 11000 | 2500 | 1200 | 660 | 440 |
| G | 17000 | 4700 | 2100 | 1220 | 800 |
| B | 3900 | 1150 | 525 | 300 | 200 |
| W | 20000 | 5700 | 2600 | 1460 | 950 |
| Full | 41000 | 12000 | 5240 | 2970 | 1940 |

Dimensions



CONTROL BOARD OPERATION

| Display | Options / Values | Function |
|----------|--|---|
| DMX Add | <001> - <512> | To set DMX address |
| DMX Cha | <03>, <04>, <06>, <07>, <10>, <12>, <14>, <24> | To set DMX channel modes |
| DimMode | Standard, Stage, TV, Architec, Theater | To set fade time. Standard, Stage, TV, Architecture, Theater |
| StaticC | R, G, B, W, GB, RB, RG, RGB, RW, GW, BW, RGW, RBW, GBW, RGBW | To select static colours |
| ManualC | R<000~100>, G<000~100>, B<000~100>, W<000~100>, | To select intensity of each colour separately for color mixing |
| | I<000~100> | To select master dimmer for colour mixing |
| | S<000~025> | To select strobe rate |
| ManualW | WT<01~11> | To select 11 preset warm white or cool white WT |
| | Dim<000~100> | To select intensity Dim |
| Auto Pro | <Pr01~Pr21> | To select built-in automatic programs |
| | <Sp000~Sp100> | To set speed of auto run |
| | <Dim000-Dim255> | To set dimmer of auto run |
| Sound | Sen<000~100> | To set sound active mode and set sound sensitivity level |
| Mas/Sla | <M>, <S> | To set Master/Slave modes |
| UpDate | <N>/ <Y> | Select to update firmware |
| | <START> | Use this fixture to update another fixture's software |
| ReSet | <N> / <Y> | To reset factory default setting |

DMX Addressing:

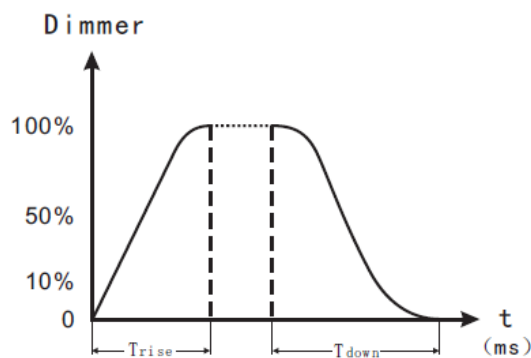
After selecting the "DMX Add" press "Enter", use "Up" and "Down" buttons to select the desired DMX address, press "Enter" to save new setting

DMX Modes

After selecting the "DMX Cha" press "Enter", use "Up" and "Down" buttons to select the desired DMX mode, press "Enter" to save new setting

Fade Mode

Select "DimMode" in main menu and press "ENTER", use the "UP" and "DOWN" buttons to select the desired fade time.



| Delay / Fade Modes | Trise (ms) | Tdown (ms) |
|--------------------|------------|------------|
| Standard | 0 | 0 |
| Stage | 300 | 600 |
| TV | 500 | 800 |
| Architec | 600 | 1000 |
| Theatre | 620 | 1500 |

Set Static Colour

Select "Static C" in main menu and press "ENTER", use the "UP" and "DOWN" buttons to select the desired solid colour.

| Value: | Function: |
|--------|----------------------------|
| R | Red |
| G | Green |
| B | Blue |
| W | White |
| GB | Green + Blue |
| RB | Red + Blue |
| RG | Red + Green |
| RGB | Red + Green + Blue |
| RW | Red + White |
| GW | Green + White |
| BW | Blue + White |
| RGW | Red + Green + White |
| RBW | Red + Blue + White |
| GBW | Green + Blue + White |
| RGBW | Red + Green + Blue + White |

Manual Colour Mode

Set intensity of each colour separately, also you can set master dimmer and strobe function.

Select "ManualC" in main menu and press "ENTER", use the "UP" and "DOWN" buttons to set the specific R, G, B or W values (000-255), as well as the master dimmer values I<000~100> and strobe speed values S<000~025>. Press "ENTER" to save new setting.

Manual Warm White / Cool White Mode

This fixture has 11 preset warm white / cool white. Select "Manual W" in main menu and press "ENTER", use the "UP" and "DOWN" buttons to set the desired preset mode. Press "ENTER" to confirm, then set the intensity using the "UP" and "DOWN" buttons and press "ENTER" to save new setting.

Automatic Mode

This fixture has 21 built-in programs. Only Pr21 is multi fixture chases.

Select "Auto Pro" in main menu and press "ENTER", uses the "UP" and "DOWN" buttons to select the desired built-in program and press "ENTER" to confirm. Set the program speed (SP00-SP100) by using the "UP" and "DOWN" buttons and press "ENTER" to confirm. Set dimmer for auto run (Dim000-SP100) by using the "UP" and "DOWN" buttons and press "ENTER" to save your new setting.

To setup multi fixture chases Pr 21. Before starting, go to each fixture and reset the menu to fixture defaults.

1. On the master unit, setup the DMX address to the total number of fixtures in the string. For example, you may have a total of 20 par cans including the master, so the DMX address should be set to "20".

2. On the master unit, go to master/slave menu setting and set the unit to master
3. On the master unit, set the unit to "Auto Pro" "Pr 21" which supports multi fixture chases.
4. On each slave unit, setup the DMX address to the fixture position in the string. For example, if this unit is the 2nd unit in the string including the master, then set the DMX address to 2. If this the last unit of 20, then the DMX address should be set to 20. It is possible to double up fixture positions as well as fixture 1.
5. On each slave, go to the master/slave menu setting and set it to slave.

Sound Mode

Select "Sound" in main menu and press "ENTER", use the "UP" and "DOWN" buttons to set the sensitivity (SEN000-SEN100), press "ENTER" to save new setting.

Master/Slave

Set the master fixture to one of the standalone operating modes.

Set the slave, enter "Mas/Sla" mode, set to "S", press "Enter" to save the setting.

Firmware update

The fixture can be managed by the RDM controller. It also can be upgraded firmware from one to another by DMX connector. The firmware on multiple fixtures can be upgraded simultaneously via DMX.

Use fixture A to update fixture B's firmware

- Set fixture A to "Update" mode, select "Y" then select "START"
- Link fixture A and fixture B with DMX cable, then power up fixture B
- Press "Enter" on fixture A, fixture B's firmware will be copied from fixture A.

*Ensure that fixture A and B are of the same type, otherwise damage may occur.

* Only fixture A and B should be in the DMX chain when updating firmware.

Restore Factory default setting

Select "RESET" in main menu and press "ENTER", use the "UP" and "DOWN" buttons to select "Y", then press "ENTER" to restore the fixture to factory default settings.

DMX Chart

3 channels Mode

| Channel | Value | Function |
|---------|---------|------------------|
| 1 | 000-255 | Red: 0% ~ 100% |
| 2 | 000-255 | Green: 0% ~ 100% |
| 3 | 000-255 | Blue: 0% ~ 100% |

4 channels 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% |

6 channels 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 | Master dimmer: 0% ~ 100% |
| 6 | 000-007 | Shutter closed (No light) |
| | 008-015 | Shutter on |
| | 016-119 | Strobe slow to fast (1-25Hz) |
| | 120-127 | Shutter on |
| | 128-183 | Strobe random slow to fast |
| | 184-191 | Shutter on |
| | 192-247 | Strobe sound sensitivity from low to high |
| | 248-255 | Shutter on |

7 channels 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 | Master dimmer coarse: 0% ~ 100% |
| 6 | 000-255 | Master dimmer fine: 0% ~ 100% |
| 7 | 000-007 | Shutter closed (No light) |
| | 008-015 | Shutter on |
| | 016-119 | Strobe slow to fast (1-25Hz) |
| | 120-127 | Shutter on |
| | 128-183 | Strobe random slow to fast |
| | 184-191 | Shutter on |
| | 192-247 | Strobe sound sensitivity from low to high |
| | 248-255 | Shutter on |

10 channels 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 | Master dimmer: 0% ~ 100% |
| 6 | 000-009 | Strobe OFF |
| | 010-255 | Strobe (slow-fast 1-25Hz) |
| 7 | 000-009 | No Function |
| | 010-031 | White 1 |
| | 032-054 | White 2 |
| | 055-077 | White 3 |
| | 078-100 | White 4 |
| | 101-123 | White 5 |
| | 124-146 | White 6 |
| | 147-169 | White 7 |
| | 170-192 | White 8 |
| | 193-215 | White 9 |
| | 216-238 | White 10 |
| 8 | 239-255 | White 11 |
| | 000-009 | No Function |
| | 010-020 | Auto run 1 |
| | 021-032 | Auto run 2 |
| | 033-044 | Auto run 3 |
| | 045-056 | Auto run 4 |
| | 057-068 | Auto run 5 |
| | 069-080 | Auto run 6 |
| | 081-092 | Auto run 7 |
| | 093-104 | Auto run 8 |
| | 105-116 | Auto run 9 |
| | 117-128 | Auto run 10 |
| | 129-140 | Auto run 11 |
| | 141-152 | Auto run 12 |
| | 153-164 | Auto run 13 |
| | 165-176 | Auto run 14 |
| | 177-188 | Auto run 15 |
| | 189-200 | Auto run 16 |
| | 201-212 | Auto run 17 |
| 213-224 | Auto run 18 | |
| 225-236 | Auto run 19 | |
| 237-255 | Auto run 20 (cycle run auto 1-19) | |
| 9 | 000-255 | Speed of auto programs (slow ~ fast) or sound sensitivity |
| 10 | 000-009 | Dimmer mode as set from main menu |
| | 010-058 | Standard (dimmer 1) |
| | 059-108 | Stage (dimmer 2) |
| | 109-158 | TV (dimmer 3) |
| | 159-208 | Architecture (dimmer 4) |

| | | |
|--|---------|--------------------|
| | 209-255 | Theatre (dimmer 5) |
|--|---------|--------------------|

12 Channels Mode

| Channel | Value | Function |
|---------|---------|-----------------------------|
| 1 | 000-255 | Centre Red: 0% ~ 100% |
| 2 | 000-255 | Centre Green: 0% ~ 100% |
| 3 | 000-255 | Centre Blue: 0% ~ 100% |
| 4 | 000-255 | Centre White: 0% ~ 100% |
| 5 | 000-255 | Inner ring Red: 0% ~ 100% |
| 6 | 000-255 | Inner ring Red: 0% ~ 100% |
| 7 | 000-255 | Inner ring Blue: 0% ~ 100% |
| 8 | 000-255 | Inner ring White: 0% ~ 100% |
| 9 | 000-255 | Outer ring Red: 0% ~ 100% |
| 10 | 000-255 | Outer ring Green: 0% ~ 100% |
| 11 | 000-255 | Outer ring Blue: 0% ~ 100% |
| 12 | 000-255 | Outer ring White: 0% ~ 100% |

14 Channels Mode

| Channel | Value | Function |
|---------|---------|------------------------------|
| 1 | 000-255 | Centre Red: 0% ~ 100% |
| 2 | 000-255 | Centre Green: 0% ~ 100% |
| 3 | 000-255 | Centre Blue: 0% ~ 100% |
| 4 | 000-255 | Centre White: 0% ~ 100% |
| 5 | 000-255 | Inner ring Red: 0% ~ 100% |
| 6 | 000-255 | Inner ring Red: 0% ~ 100% |
| 7 | 000-255 | Inner ring Blue: 0% ~ 100% |
| 8 | 000-255 | Inner ring White: 0% ~ 100% |
| 9 | 000-255 | Outer ring Red: 0% ~ 100% |
| 10 | 000-255 | Outer ring Green: 0% ~ 100% |
| 11 | 000-255 | Outer ring Blue: 0% ~ 100% |
| 12 | 000-255 | Outer ring White: 0% ~ 100% |
| 13 | 000-255 | Master dimmer |
| 14 | 000-007 | Shutter closed (No light) |
| | 008-015 | Shutter on |
| | 016-119 | Strobe slow to fast (1-25Hz) |
| | 120-127 | Shutter on |
| | 128-183 | Strobe random slow to fast |

| | | |
|--|---------|---|
| | 184-191 | Shutter on |
| | 192-247 | Strobe sound sensitivity from low to high |
| | 248-255 | Shutter on |

24 Channels Mode

| Channel | Value | Function | Section |
|---------|---------|---|---|
| 1 | 000-255 | Red: 0% ~ 100% | Centre |
| 2 | 000-255 | Green: 0% ~ 100% | |
| 3 | 000-255 | Blue: 0% ~ 100% | |
| 4 | 000-255 | White: 0% ~ 100% | |
| 5 | 000-255 | Master dimmer coarse: 0% ~ 100% | |
| 6 | 000-255 | Master dimmer fine: 0% ~ 100% | |
| 7 | 000-007 | Shutter closed (No light) | |
| | 008-015 | Shutter on | |
| | 016-119 | Strobe slow to fast (1-25Hz) | |
| | 120-127 | Shutter on | |
| | 128-183 | Strobe random slow to fast | |
| | 184-191 | Shutter on | |
| | 192-247 | Strobe sound sensitivity from low to high | |
| 8 | 248-255 | Shutter on | |
| | 000-009 | Dimmer mode as set from main menu | |
| | 010-058 | Standard (dimmer 1) | |
| | 059-108 | Stage (dimmer 2) | |
| | 109-158 | TV (dimmer 3) | |
| | 159-208 | Architecture (dimmer 4) | |
| 9 | 209-255 | Theatre (dimmer 5) | |
| | 000-255 | Red: 0% ~ 100% | |
| | 10 | 000-255 | Green: 0% ~ 100% |
| | 11 | 000-255 | Blue: 0% ~ 100% |
| | 12 | 000-255 | White: 0% ~ 100% |
| | 13 | 000-255 | Master dimmer coarse: 0% ~ 100% |
| | 14 | 000-255 | Master dimmer fine: 0% ~ 100% |
| | 15 | 000-007 | Shutter closed (No light) |
| | | 008-015 | Shutter on |
| | | 016-119 | Strobe slow to fast (1-25Hz) |
| | | 120-127 | Shutter on |
| | | 128-183 | Strobe random slow to fast |
| | | 184-191 | Shutter on |
| | | 192-247 | Strobe sound sensitivity from low to high |
| 248-255 | | Shutter on | |
| 16 | 000-009 | Dimmer mode as set from main menu | |
| | 010-058 | Standard (dimmer 1) | |
| | 059-108 | Stage (dimmer 2) | |
| | 109-158 | TV (dimmer 3) | |
| | 159-208 | Architecture (dimmer 4) | |
| | 209-255 | Theatre (dimmer 5) | |

| | | | |
|----|---------|---|------------|
| 17 | 000-255 | Red: 0% ~ 100% | Outer ring |
| 18 | 000-255 | Green: 0% ~ 100% | |
| 19 | 000-255 | Blue: 0% ~ 100% | |
| 20 | 000-255 | White: 0% ~ 100% | |
| 21 | 000-255 | Master dimmer coarse: 0% ~ 100% | |
| 22 | 000-255 | Master dimmer fine: 0% ~ 100% | |
| 23 | 000-007 | Shutter closed (No light) | |
| | 008-015 | Shutter on | |
| | 016-119 | Strobe slow to fast (1-25Hz) | |
| | 120-127 | Shutter on | |
| | 128-183 | Strobe random slow to fast | |
| | 184-191 | Shutter on | |
| | 192-247 | Strobe sound sensitivity from low to high | |
| | 248-255 | Shutter on | |
| 24 | 000-009 | Dimmer mode as set from main menu | |
| | 010-058 | Standard (dimmer 1) | |
| | 059-108 | Stage (dimmer 2) | |
| | 109-158 | TV (dimmer 3) | |
| | 159-208 | Architecture (dimmer 4) | |
| | 209-255 | Theatre (dimmer 5) | |

TECHNICAL SPECIFICATIONS

| | | |
|--------------------------------|---|----------------------|
| Model | PAR19x150 | PAR19x15 |
| Dimensions and Weight | | |
| Overall size LxWxH (mm) | 370x380x165 | 370x380x160 |
| Weight (kg) | 9.5 | |
| Power | | |
| Power Supply | 100~240V AC, 50/60 Hz | |
| Power Consumption (w) | 250 | |
| Fuse | T 3.15 A, 250 V | |
| LED | 19pcs 15W RGBW 4 in 1 LED | |
| Operation Modes | DMX Static macros Manual dimming colour, Auto programs Preset colour temperature setting Sound active, | |
| Beam Angle | 25° | |
| Beam Angle Options | 9°, 15°, 50° | |
| Dimmer | 16-bit 0-100% dimmer | |
| Fade Modes | Standard, Stage, TV, Architecture, Theater | |
| Refresh Rate | 1200Hz | |
| DMX Channel mode | 3, 4, 6, 7, 10, 12, 14, 24 | |
| Power Input | Seetronic® Outdoor Powerkon | Neutrik® Powercon |
| DMX Connector | 1 Pin XLR | 3 / 5 Pin DMX socket |

WARRANTY

Please refer to your local dealer or please contact Event Lighting Pty Ltd

Website: www.event-lighting.com.au.