PAR19X12O

19x12W RGBWAU OUTDOOR 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.

www.event-lighting.com.au Version 1.1

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.
- 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 a Seetronic Outdoor DMX cable in the device's DMX outport. The use of other DMX cables will result in the cable becoming stuck in the port, requiring the unit to be repaired.

Power Input and Linking

This device has an auto-switching power supply to work with input voltage range of 100~240 VAC, 50/60 Hz. Link up to the maximum 10A. DO NOT exceed this number. The maximum number of units that can be power linked is 10 units at 240V.

Fuse Replacement

If the fine-wire fuse of the device fuses, replace the fuse with one of the same rating. Before replacing the fuse, unplug the device from the power source.

Fuse Replacement Steps

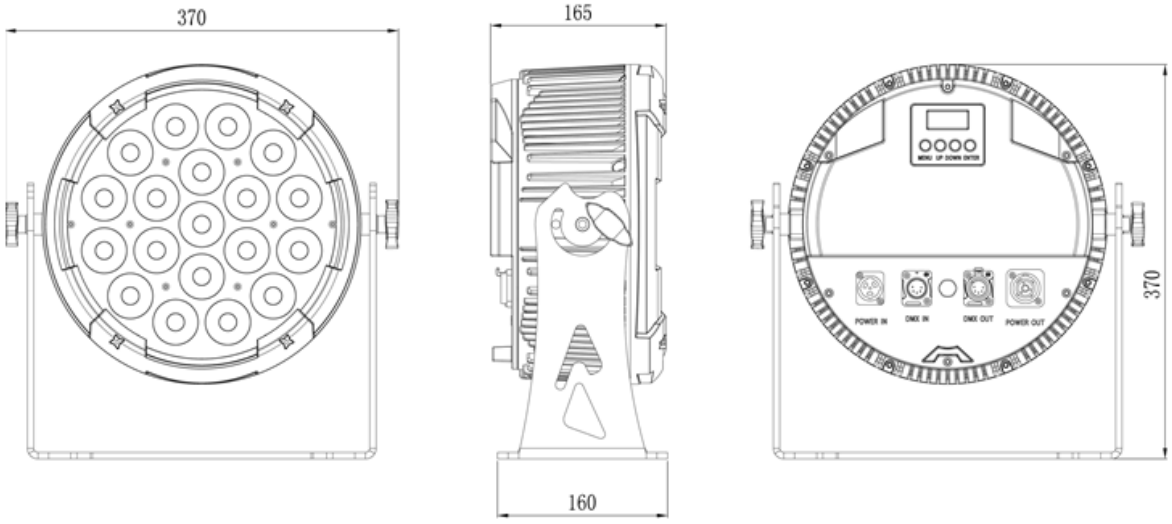
1. Unscrew the fuse holder located on the rear panel from the housing.
2. Remove the old fuse from the holder.
3. Install the new fuse into the holder.
4. Place the fuse holder back into the housing and secure tightly.

Product Installation

This product 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 overhead.

Dimensions

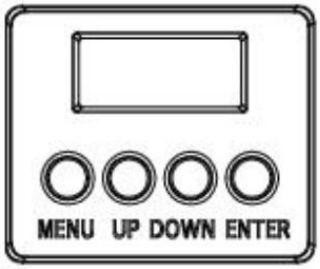
Dimensions in millimetres (mm)



Lux Chart

Lux	@30°				
	1.0m	2.0m	3.0m	4.0m	5.0m
	Ø0.79	Ø1.33	Ø1.86	Ø2.4	Ø2.95
R	5,890	1,730	766	407	245
G	8,690	2,560	1,200	642	389
B	2,400	890	300	110	95
W	10,670	3,000	1,400	745	451
A	5,410	1,530	716	376	225
UV	350	120	42	27	17
Full	29,700	8,500	3,770	1,950	1,270

Control Board



Button Operation

Menu: Navigate to Menu, return to the previous screen.
Up: Move selection up.
Down: Move selection down.
Enter: Confirm the selection

Control Board Operation

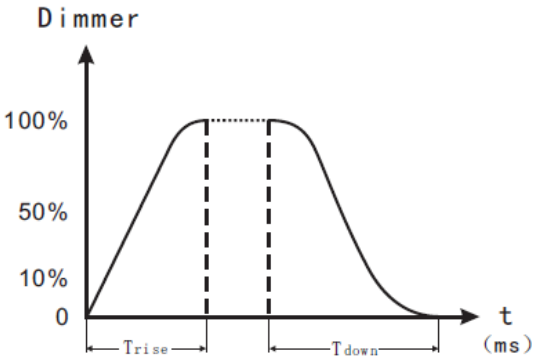
Menu Map

Display	Options / Values	Function
DMX Add	<001> - <512>	Set DMX address
DMX Cha	<03>, <04>, <06>, <10>, <12>	Set DMX channel modes
DimMode	<01>, <02>, <03>, <04>, <05>	Set fade time/curve
StaticC	<R,G,B,W,A,U,GB,RB,RG,RGB,RW,GW,BW,WA,,RA,GA,BA,RGW, RBW, GBW,RGBW,GBA,BWA,RGA,GWA,RWA,RGBA,GBWA,RBWA,RGWA,RGBQA,RU,GU,AU,RAU,RGBWAU> DIM<000~255>	Select static colours Dim selected static colours
ManualC	R<000~100>, G<000~100>, B<000~100>, W<000~100>, A<000~100>, U<000~100>,	Select intensity of each colour separately for colour mixing
	DIM<000~100>	Select master dimmer for colour mixing
	S<000~025>	Select strobe rate
ManualW	WT<01~> Dim<000~100>	Select preset warm white or cool white WT Select intensity Dim
Auto Pro	Pr<01~0x> SP<001~100> Dim<000~255>	Select built-in automatic programs Note: <Pr08> is to set multi fixture chase Select auto speed Select auto Dim
	<Sp000~Sp80>	Set speed of auto run
Sound	Sen<000~100>	Set sound active mode and set sound sensitivity level
Mas/Sla	<M>, <S>	Set Master/Slave modes
Update	<N>/ <Y>	Select to update firmware
	<START>	Use this fixture to update another fixture's software
Reset	<N> / <Y>	Reset factory default setting

DIM (Fade) Mode

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

Fade Mode	Rise Time (ms)	Down Time (ms)
1 - Standard	0	0
2 - Stage	300	600
3 – TV	500	800
4 - Architect	600	1000
5 - Theatre	620	1500



Static Colour Mode

Entered "Static C" mode is used to select the desired solid colour/s via the “UP” or “DOWN” buttons. Navigate to desired colour/colour combinations, press “Enter" to save, which then navigates to the dimmer.

Value	Function
R	Red
G	Green
B	Blue
W	White
A	Amber
U	UV

Manual Colour Mode

Sets intensity of each colour separately to get endless colour mixing from the control panel with the ability to Dim and Strobe. Set intensity of each colour separately, also you can set master dimmer and strobe function.

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

Automatic Mode

This fixture has built-in automated programs. Only <Pr8> 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 (<Pr8>). Before starting, go to each fixture and reset the menu to fixture defaults. See below for Restore Factory instructions.

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 8” 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

Entered “Sound” mode, use “Up” and “Down” button to select the sensitivity of the microphone, 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 an RDM. Firmware can also be updated from one fixture to another via DMX.

How to 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.

Important:

- Ensure that fixture A and B are the same model, otherwise fixture firmware will fail or corrupt.
- 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

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.

This fixture is controlled by the universal DMX 512 protocol. The DMX address is the first channel used to receive instructions from the external controller. For independent control, each fixture must be assigned a unique address for each of its control channels. For example, this device has three channel modes: 3/4/6/10/12, if it’s set to 3 channel mode, and there are several fixtures need to be independently controlled, we just simply address first fixture at 1, and second fixture at 4, third one at 7, etc.

- If multiple fixtures have the same DMX address, they will behave synchronically.
- Display will flash when no DMX signal is received.

DMX Chart

Mode/Chanel					DMX Min	DMX Max	Function
3ch	4ch	6ch	10ch	12ch			
1	1	1	1	1	0	255	Red: 0% ~ 100%
2	2	2	2	2	0	255	Green: 0% ~ 100%
3	3	3	3	3	0	255	Blue: 0% ~ 100%
	4	4	4	4	0	255	White: 0% ~ 100%
		5	5	5	0	255	Amber: 0% ~ 100%
		6	6	6	0	255	UV: 0% ~ 100%
			7	7	0	255	Master dimmer: 0% ~ 100%
			8		0	255	Dimmer (fine): 0% ~ 100%
			9	8	0	15	Shutter on
					16	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 (audio) sensitivity low to high
					248	255	Shutter on
				9	0	9	Shutter on

					10	31	White 1
					32	54	White 2
					55	77	White 3
					78	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
					239	255	White 11
				10	0	9	Shutter on
					10	39	Auto run 1
					40	70	Auto run 2
					71	101	Auto run 3
					102	132	Auto run 4
					133	163	Auto run 5
					164	194	Auto run 6
					195	255	Auto run 7
					225	255	Sound active
				11	0	255	Speed of auto programs (slow ~ fast)
			10	12	0	9	Dimmer as set in main menu
					10	58	Dimming mode 1 (Standard)
					59	108	Dimming mode 2 (Stage)
					109	158	Dimming mode 3 (TV)
					159	208	Dimming mode 4 (Architecture)
					209	255	Dimming mode 5 (Theatre)

Technical Specifications

Photometrics

- Light Source: 19x 12 W RGBW LEDs
- Beam Angle: 30°
- Output: 12,000 lux @ 2 m @ 25° RGBW full on
- PWM: 1,200Hz
- LED Life: 50,000 hours

Effects

- Dimming: 0~100%, 8 / 16 bit
- Fade Modes: Standard, Stage, TV, Architecture, Theatre
- Strobe: 1~30 Hz

Power

- Input Voltages: 100~240 V AC, 50/60 Hz, 200 W
- Power Connection: Seetronic® Outdoor Powerkon in/out

Control

- Operational Modes: DMX, manual, auto, sound active, master / slave
- Display: 4-button LCD control panel
- Control Protocol: DMX512, RDM
- DMX Channels: 3/4/6/10/12
- Control Interface: Seetronic® 3 Pin Outdoor DMX in/out

Housing

- Housing Materials: Die-cast aluminium housing, matte black finish
- IP Rate: IP65
- Cooling: Fanless Cooling
- Dimension: 370 x 380 x 165 mm
- Net Weight: 9.5 kg

MISC

- Accessories Included: 2M Seetronic® Outdoor Powercon, 2M Seetronic® Outdoor Powercon Extension, 2M Seetronic® Outdoor DMX Cable

Warranty

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