



## LED Pixel Bar with 12 x 12W RGBWAU LEDs

PIXBAR12H

USER MANUAL



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

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## CONTENTS

Safety Instructions .....	2
Product Installation .....	2
Diagrams .....	3
Control Board Operation .....	4
Special Chaser Mode .....	6
DMX Values.....	7
Technical Specifications .....	11
Warranty.....	11

## 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.

### 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 of 15A. DO NOT exceed this number.

## 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:

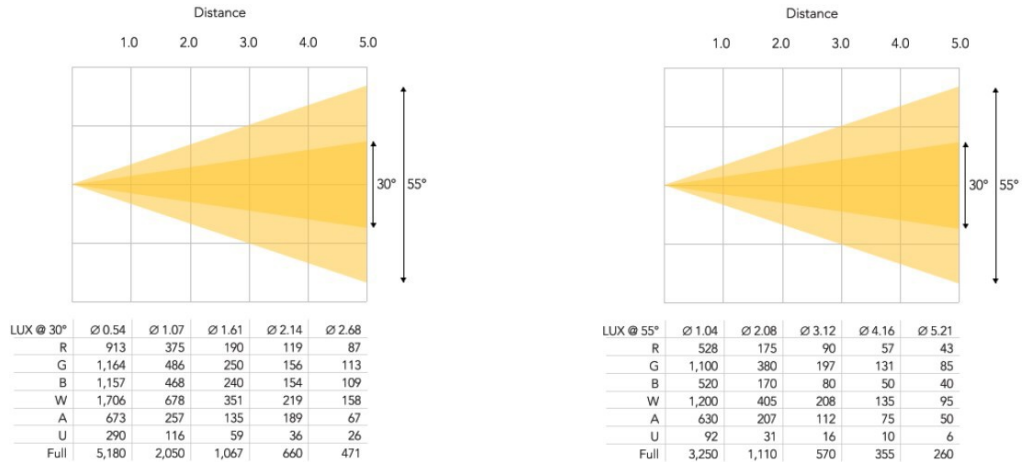
Step 1: Unscrew the fuse holder on the rear panel with a fitting screwdriver from the housing (anticlockwise).

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

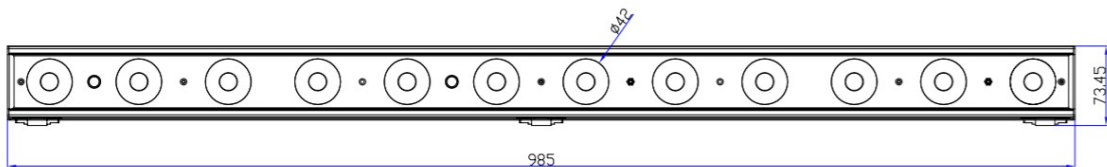
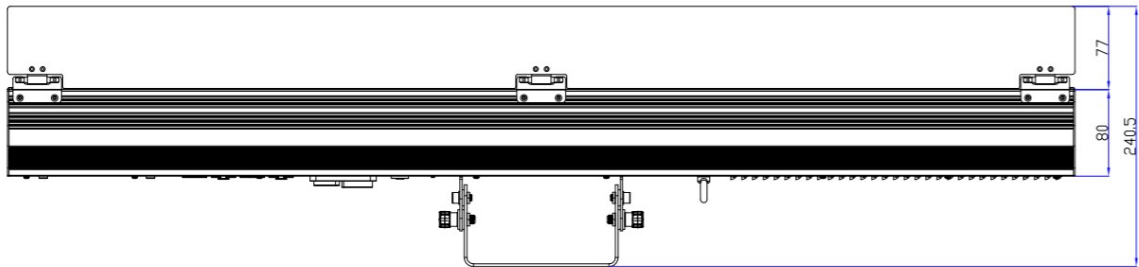
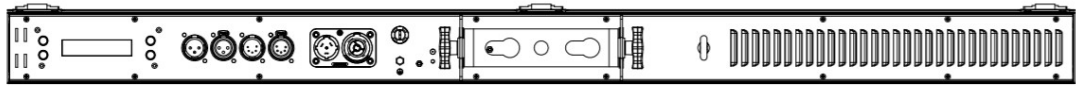
Step 3: Install the new fuse in the fuse holder.

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

## Lux Chart



## Dimensions



## CONTROL BOARD OPERATION

Display	Options / Values	Function
01.DMX Address	<001> - <512>	Set DMX address
02.DMX Channel	<03> <04> <06> <08> <12> <24> <72> <74>	Select DMX channel mode
03.Dimmer Curve	<01> <02> <03> <04>	Select dimmer curve
04.Static Color	R, G, B, W, A, U, GB, RB, RG, .... RGBWAU	Select static colour
05.Manual Color	R<000> - <255> G<000> - <255> B<000> - <255> W<000> - <255> A<000> - <255> U<000> - <255> S<000> - S<030>	Set intensity of each colour separately for color mixing and strobe rate
06.Manual WCT	WCT: <01> - <11> DIM: <001> - <100>	Set up color temperature WCT 01~11 and adjust the brightness
07. Auto Program	<Pr:01> - <Pr:19> <Sp:000> - <Sp:100> <Dim:000> - <Dim:255>	Select built-in automatic programs, auto run speed and dimmer level
08.Sound Mode	Sen:<000> - Sen:<100>	Select sound active mode and the sensitivity level from Sen:<000> to Sen:<100>
09.Master/Slave	<M> <S>	Select Master/Slave modes
10.Factory Set	<No>/<Yes>	Recover manufactory default

### DMX address

After select the "DMX Address" and press "Enter", then use "Up" and "Down" to set the desired DMX address, press "Enter" again to confirm.

### DMX modes

After select the "DMX Channel" and press "Enter", then use "Up" and "Down" to set the desired DMX mode, press "Enter" again to confirm.

### Dimmer curve

After select the "Dimmer Curve" and press "Enter", then use "Up" and "Down" to set the desired dimmer curve, press "Enter" again to confirm.

### Static Colours

Entered "Static Color", you can select the desired solid color via the "Up" or "Down" buttons, then "Enter" to confirm.

Value	Function
R	Red
G	Green

B	Blue
W	White
A	Amber
UV	UV
GB	Green + Blue
RG	Red + Green
RB	Red + Blue
RW	Red + White
GW	Green + White
BW	Blue + White
WA	White + Amber
RA	Red + Amber
GA	Green + Amber
BA	Blue + Amber
RGB	Red + Green + Blue
RGW	Red + Green + White
RBW	Red + Blue + White
GBW	Green + Blue + White
GBA	Green + Blue + Amber
BWA	Blue + White + Amber
RGA	Red + Green + Amber
GWA	Green + White + Amber
RWA	Red + White + Amber
RGBA	Red + Green + Blue + Amber
GBWA	Green + Blue + White + Amber
RGBW	Red + Green + Blue + White
RBWA	Red + Blue + White + Amber
RGWA	Red + Green + White + Amber
EGBWA	Red + Green + Blue + White + Amber
RGBWAU	Red + Green + Blue + White + Amber + UV

**Manual Colour mode**

Entered "Manual Color" mode, use "Up" and "Down" button to select the each colour RGBWAUV intensity from 000 to 255, select strobe (S) speed from S000 to S100. (S000 is strobe off). Press "Enter" to save new setting.

**Manual WCT**

Entered "Manual WCT" mode, use "Up" and "Down" button to select preset colour temperature from WCT01 to WCT11. Press "Enter" and use "Up" and "Down" button to select dimmer from dim000 to dim100. Press "Enter" to save new setting.

**Automatic Mode**

PR 01	4 colors switching
PR 02	36 colors switching
PR 03	6 colors fading(slow in slow out)

PR 04	36 colors fading(slow in slow out)
PR 05	6 colors fading(slow in fast out)
PR 06	36 colors fading(slow in fast out)
PR 07	6 colors fading(fast in slow out)
PR 08	36 colors fading(fast in slow out)
PR 09	Color Macros
PR 10	Auto chasing 1
PR 11	Auto chasing 2
PR 12	Auto chasing 3
PR 13	Auto chasing 4
PR 14	Auto chasing 5
PR 15	Auto chasing 6
PR 16	Auto chasing 7
PR 17	Auto chasing 8
PR 18	Auto chasing 9
PR 19	Multi fixture chasing

Set auto run PR 01 - PR 18

Entered "Auto Program" mode, use "Up" and "Down" button to select the built-in programs. Press "Enter" and use "Up" and "Down" button to select auto run speed from <Sp000> to <Sp100>. Press "Enter" and use "Up" and "Down" button to select dimmer of "Auto Program" from <dim000> – <dim255>. Press "Enter" to save new setting.

Set multi fixture chases PR 19

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 Mode" "PR 19" 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**

After select the "Sound mode", use "Up" and "Down" to set the sound sensitivity Sen 000 ~ Sen 100, press "Enter" to confirm.

#### **Master/Slave Operation**

1. Set the master fixture to one of the standalone operating modes: auto, sound, static color or manual color modes
2. Set the slaves, entered "Mas/Sla" mode, set to "s", press "Enter"

#### **Factory set**

To recover factory default, select the "Factory Set" and press "Enter", then use "Up" and "Down" to choose "Yes", press "Enter" again to confirm to recover manufactory default

## DMX CHART

Channel								DMX value	Function
Ch3	Ch4	Ch4A	Ch8	Ch12	Ch24	Ch72	Ch74		
1	1	1	1	1				0-255	Red 1-100%
2	2	2	2	2				0-255	Green 1-100%
3	3	3	3	3				0-255	Blue 1-100%
	4		4	4				0-255	White- 1-100%
		4	5	5				0-255	Amber -1-100%
			6	6				0-255	UV - 1-100%
			7	7				0-255	Dimmer
			8	8				0-9	no function
				9				10-255	strobe from slow to fast, 1-30HZ
								0-9	no function
								10-31	white 1(warmest)
								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(coolest)
				10				0-9	no function
								10-21	RGBWAU colours switching
								22-34	36 colours switching
								35-47	RGBWAU colours fading (slow in slow out)
								48-60	36 colours fading (slow in slow out)
								61-73	RGBWAU colours fading (slow in fast out)
								74-86	36 colours fading (slow in fast out)
								87-99	RGBWAU colours fading (fast in slow out)
								100-112	36 colours fading (fast in slow out)
								113-125	Colour Macros
								126-138	Auto chase 1 (Auto Pr10)
								139-151	Auto chase 2 (Auto Pr11)
								152-164	Auto chase 3 (Auto Pr12)
								165-177	Auto chase 4 (Auto Pr13)
								178-190	Auto chase 5 (Auto Pr14)
								191-203	Auto chase 6 (Auto Pr15)
								204-216	Auto chase 7 (Auto Pr16)
								217-229	Auto chase 8 (Auto Pr17)



						230-242	Auto chase 9 (Loop Auto Pr10-Pr17)	
						243-255	Sound Active	
			11			0-255	Speed of Auto Run (slow to fast) or sensitivity level of Sound Active mode	
			12			0-9	Use the dimmer control board setting	
						10-70	Dimmer curve 1	
						71-132	Dimmer curve 2	
						133-194	Dimmer curve 3	
						195-255	Dimmer curve 4	
				1		0-255	LED1-LED3 Red 0%-100%	
				2		0-255	LED1-LED3 Green 0%-100%	
				3		0-255	LED1-LED3 Blue 0%-100%	
				4		0-255	LED1-LED3 White 0%-100%	
				5		0-255	LED1-LED3 Amber 0%-100%	
				6		0-255	LED1-LED3 UV 0%-100%	
				7		0-255	LED4-LED6 Red 0%-100%	
				8		0-255	LED4-LED6 Green 0%-100%	
				9		0-255	LED4-LED6 Blue 0%-100%	
				10		0-255	LED4-LED6 White 0%-100%	
				11		0-255	LED4-LED6 Amber 0%-100%	
				12		0-255	LED4-LED6 UV 0%-100%	
				13		0-255	LED7-LED9 Red 0%-100%	
				14		0-255	LED7-LED9 Green 0%-100%	
				15		0-255	LED7-LED9 Blue 0%-100%	
				16		0-255	LED7-LED9 White 0%-100%	
				17		0-255	LED7-LED9 Amber 0%-100%	
				18		0-255	LED7-LED9 UV 0%-100%	
				19		0-255	LED10-LED12 Red 0%-100%	
				20		0-255	LED10-LED12 Green 0%-100%	
				21		0-255	LED10-LED12 Blue 0%-100%	
				22		0-255	LED10-LED12 White 0%-100%	
				23		0-255	LED10-LED12 Amber 0%-100%	
				24		0-255	LED10-LED12 UV 0%-100%	
					1	1	0-255	LED 1 Red 0-100%
					2	2	0-255	LED 1 Green 0-100%
					3	3	0-255	LED 1 Blue 0-100%
					4	4	0-255	LED 1 White 0-100%
					5	5	0-255	LED 1 Amber 0-100%
					6	6	0-255	LED 1 UV 0-100%
					7	7	0-255	LED 2 Red 0-100%
					8	8	0-255	LED 2 Green 0-100%
					9	9	0-255	LED 2 Blue 0-100%

					10	10	0-255	LED 2 White 0-100%
					11	11	0-255	LED 2 Amber 0-100%
					12	12	0-255	LED 2 UV 0-100%
					13	13	0-255	LED 3 Red 0-100%
					14	14	0-255	LED 3 Green 0-100%
					15	15	0-255	LED 3 Blue 0-100%
					16	16	0-255	LED 3 White 0-100%
					17	17	0-255	LED 3 Amber 0-100%
					18	18	0-255	LED 3 UV 0-100%
					19	19	0-255	LED 4 Red 0-100%
					20	20	0-255	LED 4 Green 0-100%
					21	21	0-255	LED 4 Blue 0-100%
					22	22	0-255	LED 4 White 0-100%
					23	23	0-255	LED 4 Amber 0-100%
					24	24	0-255	LED 4 UV 0-100%
					25	25	0-255	LED 5 Red 0-100%
					26	26	0-255	LED 5 Green 0-100%
					27	27	0-255	LED 5 Blue 0-100%
					28	28	0-255	LED 5 White 0-100%
					29	29	0-255	LED 5 Amber 0-100%
					30	30	0-255	LED 5 UV 0-100%
					31	31	0-255	LED 6 Red 0-100%
					32	32	0-255	LED 6 Green 0-100%
					33	33	0-255	LED 6 Blue 0-100%
					34	34	0-255	LED 6 White 0-100%
					35	35	0-255	LED 6 Amber 0-100%
					36	36	0-255	LED 6 UV 0-100%
					37	37	0-255	LED 7 Red 0-100%
					38	38	0-255	LED 7 Green 0-100%
					39	39	0-255	LED 7 Blue 0-100%
					40	40	0-255	LED 7 White 0-100%
					41	41	0-255	LED 7 Amber 0-100%
					42	42	0-255	LED 7 UV 0-100%
					43	43	0-255	LED 8 Red 0-100%
					44	44	0-255	LED 8 Green 0-100%
					45	45	0-255	LED 8 Blue 0-100%
					46	46	0-255	LED 8 White 0-100%
					47	47	0-255	LED 8 Amber 0-100%
					48	48	0-255	LED 8 UV 0-100%
					49	49	0-255	LED 9 Red 0-100%
					50	50	0-255	LED 9 Green 0-100%
					51	51	0-255	LED 9 Blue 0-100%

					52	52	0-255	LED 9 White 0-100%
					53	53	0-255	LED 9 Amber 0-100%
					54	54	0-255	LED 9 UV 0-100%
					55	55	0-255	LED 10 Red 0-100%
					56	56	0-255	LED 10 Green 0-100%
					57	57	0-255	LED 10 Blue 0-100%
					58	58	0-255	LED 10 White 0-100%
					59	59	0-255	LED 10 Amber 0-100%
					60	60	0-255	LED 10 UV 0-100%
					61	61	0-255	LED 11 Red 0-100%
					62	62	0-255	LED 11 Green 0-100%
					63	63	0-255	LED 11 Blue 0-100%
					64	64	0-255	LED 11 White 0-100%
					65	65	0-255	LED 11 Amber 0-100%
					66	66	0-255	LED 11 UV 0-100%
					67	67	0-255	LED 12 Red 0-100%
					68	68	0-255	LED 12 Green 0-100%
					69	69	0-255	LED 12 Blue 0-100%
					70	70	0-255	LED 12 White 0-100%
					71	71	0-255	LED 12 Amber 0-100%
					72	72	0-255	LED 12 UV 0-100%
						73	0-255	Master Dimmer 0 - 100%
						74	0-9	No Function
							10-255	Strobe, slow to fast (1-30Hz)

## TECHNICAL SPECIFICATIONS

### Power

- Input Voltages: 100V~240V AC, 50/60Hz
- Power Consumption: 150W
- Power Connection: True1 in/out

### Photometrics

- Light Source: 12 pcs 12W RGBWAU LEDs
- Beam Angle: 30° (Optional 55° )
- Output: 2,050 lux @2.0 M RGBWAU full on
- PWM: 12,000 Hz
- LED Life: 50,000 hours

### Effects

- 4 x 16-bit Dimming Curves
- Strobe: 1 - 30 Hz

### Control

- Operational Modes: Static, Color Fade, Auto Program, Sound Active, Multi Fixture Chases, Master / Slave & DMX Modes,
- Display: 4-button LCD Display Control Panel
- DMX Protocol: DMX512
- DMX Channel Mode: 3 / 4 / 4A / 8 / 12 / 24 / 72 / 74
- DMX Interface: 5-Pin
- Software Upgrade via DMX: Yes

### Housing

- Housing Materials: Aluminium Housing
- Housing finish: Matte Black
- Cooling: Fanless Cooling
- Dimension: 1050 x 165 x 80 mm
- Net Weight: 4.5 kg

## WARRANTY

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

Website: [www.event-lighting.com.au](http://www.event-lighting.com.au)