



LED Pixel Bar

PIXBAR12x12

USER MANUAL



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

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V3.2

CONTENTS

Safety Instructions

Product Installation

Diagrams

Control Board Operation

Special Chaser Mode

DMX Values

Technical Specifications

Warranty

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:

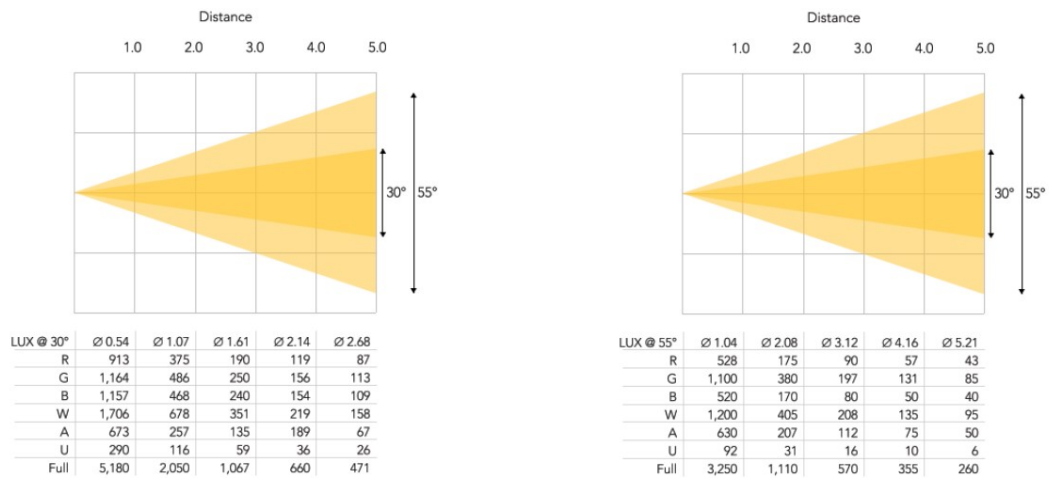
Step 1: Unscrew the fuse holder on the rear panel with a fitting screwdriver from the housing (anticlockwise).

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

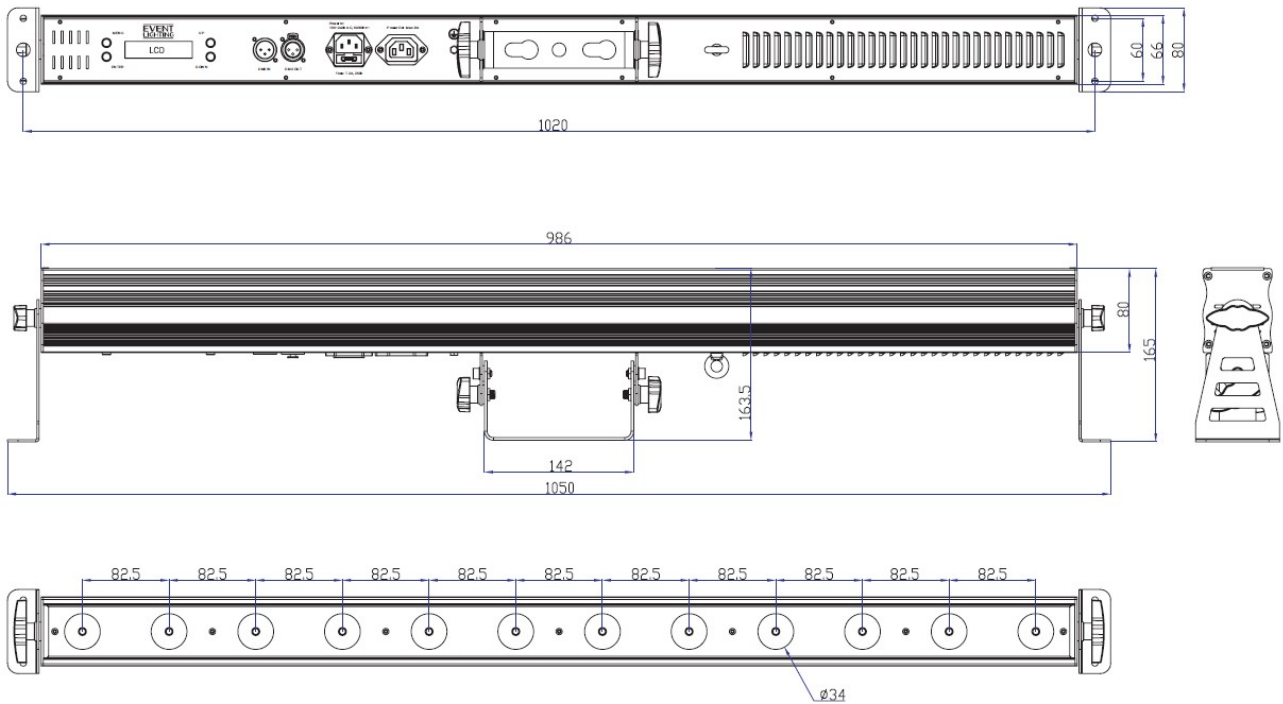
Step 3: Install the new fuse in the fuse holder.

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								Function	Min DMX	Max DMX
Ch3	Ch4	Ch6	Ch8	Ch12	Ch24	Ch72	Ch74			
1	1	1	1	1				Red 0%-100%	0	255
2	2	2	2	2				Green 0%-100%	0	255
3	3	3	3	3				Blue 0%-100%	0	255
	4	4	4	4				White 0%-100%	0	255
		5	5	5				Amber 0%-100%	0	255
		6	6	6				UV 0%-100%	0	255
			7	7				Master Dimmer 0% ~ 100% for CH1, 2, 3, 4, 5, 6, 9 & 10	0	255
			8	8				No function	0	9
								Strobe (slow to fast)	10	255
								No function	0	9
								White colour temperature 01	10	31
								White colour temperature 02	32	54
								White colour temperature 03	55	77
								White colour temperature 04	78	100
							9	White colour temperature 05	101	123
								White colour temperature 06	124	146
								White colour temperature 07	147	169
								White colour temperature 08	170	192
								White colour temperature 09	193	215
								White colour temperature 10	216	238
								White colour temperature 11	239	255
								No function	0	9
								4 colors switching	10	21
								36 colors switching	22	34
								6 colors fading(slow in slow out)	35	47
								36 colors fading(slow in slow out)	48	60
								6 colors fading(slow in fast out)	61	73
								36 colors fading(slow in fast out)	74	86
								6 colors fading(fast in slow out)	87	99
							10	36 colors fading(fast in slow out)	100	112
								Color Macros	113	125
								Auto chasing 1	126	138
								Auto chasing 2	139	151
								Auto chasing 3	152	164
								Auto chasing 4	165	177
								Auto chasing 5	178	190
								Auto chasing 6	191	203

							Auto chasing 7	204	216	
							Auto chasing 8	217	229	
							Auto chasing 9	230	242	
							Sound active mode	243	255	
				11			Auto run speed	0	255	
				12			Use preset dimming curve	0	9	
							dimmer curve 1	10	70	
							dimmer curve 2	71	132	
							dimmer curve 3	133	194	
							dimmer curve 4	195	255	
					1		LED1-LED3 Red 0%-100%	0	255	
					2		LED1-LED3 Green 0%-100%	0	255	
					3		LED1-LED3 Blue 0%-100%	0	255	
					4		LED1-LED3 White 0%-100%	0	255	
					5		LED1-LED3 Amber 0%-100%	0	255	
					6		LED1-LED3 UV 0%-100%	0	255	
					7		LED4-LED6 Red 0%-100%	0	255	
					8		LED4-LED6 Green 0%-100%	0	255	
					9		LED4-LED6 Blue 0%-100%	0	255	
					10		LED4-LED6 White 0%-100%	0	255	
					11		LED4-LED6 Amber 0%-100%	0	255	
					12		LED4-LED6 UV 0%-100%	0	255	
					12		LED7-LED9 Red 0%-100%	0	255	
					14		LED7-LED9 Green 0%-100%	0	255	
					15		LED7-LED9 Blue 0%-100%	0	255	
					16		LED7-LED9 White 0%-100%	0	255	
					17		LED7-LED9 Amber 0%-100%	0	255	
					18		LED7-LED9 UV 0%-100%	0	255	
					19		LED10-LED12 Red 0%-100%	0	255	
					20		LED10-LED12 Green 0%-100%	0	255	
					21		LED10-LED12 Blue 0%-100%	0	255	
					22		LED10-LED12 White 0%-100%	0	255	
					23		LED10-LED12 Amber 0%-100%	0	255	
					24		LED10-LED12 UV 0%-100%	0	255	
						1	1	LED1 Red 0%-100%	0	255
						2	2	LED1 Green 0%-100%	0	255
						3	3	LED1 Blue 0%-100%	0	255
						4	4	LED1 White 0%-100%	0	255
						5	5	LED1 Amber 0%-100%	0	255
						6	6	LED1 UV 0%-100%	0	255
						7	7	LED2 Red 0%-100%	0	255
						8	8	LED2 Green 0%-100%	0	255

					9	9	LED2 Blue 0%-100%	0	255
					10	10	LED2 White 0%-100%	0	255
					11	11	LED2 Amber 0%-100%	0	255
					12	12	LED2 UV 0%-100%	0	255
					13	13	LED3 Red 0%-100%	0	255
					14	14	LED3 Green 0%-100%	0	255
					15	15	LED3 Blue 0%-100%	0	255
					16	16	LED3 White 0%-100%	0	255
					17	17	LED3 Amber 0%-100%	0	255
					18	18	LED3 UV 0%-100%	0	255
					19	19	LED4 Red 0%-100%	0	255
					20	20	LED4 Green 0%-100%	0	255
					21	21	LED4 Blue 0%-100%	0	255
					22	22	LED4 White 0%-100%	0	255
					23	23	LED4 Amber 0%-100%	0	255
					24	24	LED4 UV 0%-100%	0	255
					25	25	LED5 Red 0%-100%	0	255
					26	26	LED5 Green 0%-100%	0	255
					27	27	LED5 Blue 0%-100%	0	255
					28	28	LED5 White 0%-100%	0	255
					29	29	LED5 Amber 0%-100%	0	255
					30	30	LED5 UV 0%-100%	0	255
					31	31	LED6 Red 0%-100%	0	255
					32	32	LED6 Green 0%-100%	0	255
					33	33	LED6 Blue 0%-100%	0	255
					34	34	LED6 White 0%-100%	0	255
					35	35	LED6 Amber 0%-100%	0	255
					36	36	LED6 UV 0%-100%	0	255
					37	37	LED7 Red 0%-100%	0	255
					38	38	LED7 Green 0%-100%	0	255
					39	39	LED7 Blue 0%-100%	0	255
					40	40	LED7 White 0%-100%	0	255
					41	41	LED7 Amber 0%-100%	0	255
					42	42	LED7 UV 0%-100%	0	255
					43	43	LED8 Red 0%-100%	0	255
					44	44	LED8 Green 0%-100%	0	255
					45	45	LED8 Blue 0%-100%	0	255
					46	46	LED8 White 0%-100%	0	255
					47	47	LED8 Amber 0%-100%	0	255
					48	48	LED8 UV 0%-100%	0	255
					49	49	LED9 Red 0%-100%	0	255
					50	50	LED9 Green 0%-100%	0	255

						51	51	LED9 Blue 0%-100%	0	255
						52	52	LED9 White 0%-100%	0	255
						53	53	LED9 Amber 0%-100%	0	255
						54	54	LED9 UV 0%-100%	0	255
						55	55	LED10 Red 0%-100%	0	255
						56	56	LED10 Green 0%-100%	0	255
						57	57	LED10 Blue 0%-100%	0	255
						58	58	LED10 White 0%-100%	0	255
						59	59	LED10 Amber 0%-100%	0	255
						60	60	LED10 UV 0%-100%	0	255
						61	61	LED11 Red 0%-100%	0	255
						62	62	LED11 Green 0%-100%	0	255
						63	63	LED11 Blue 0%-100%	0	255
						64	64	LED11 White 0%-100%	0	255
						65	65	LED11 Amber 0%-100%	0	255
						66	66	LED11 UV 0%-100%	0	255
						67	67	LED12 Red 0%-100%	0	255
						68	68	LED12 Green 0%-100%	0	255
						69	69	LED12 Blue 0%-100%	0	255
						70	70	LED12 White 0%-100%	0	255
						71	71	LED12 Amber 0%-100%	0	255
						72	72	LED12 UV 0%-100%	0	255
							73	Master dimmer	0	255
							74	No function	0	9
								Strobe (slow to fast)	10	255

TECHNICAL SPECIFICATIONS

Power

- Input Voltages: 100V~240V AC, 50/60Hz
- Power Consumption: 150W
- Power Connection: Neutrik® Powercon Input & Output Connection

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 / 6 / 8 / 12 / 24 / 72 / 74
- DMX Interface: 3-Pin (Optional 5-Pin XLR)
- 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