



LED Pixel Bar

PIXBAR12Q

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.

www.event-lighting.com.au

V2.1.0

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:

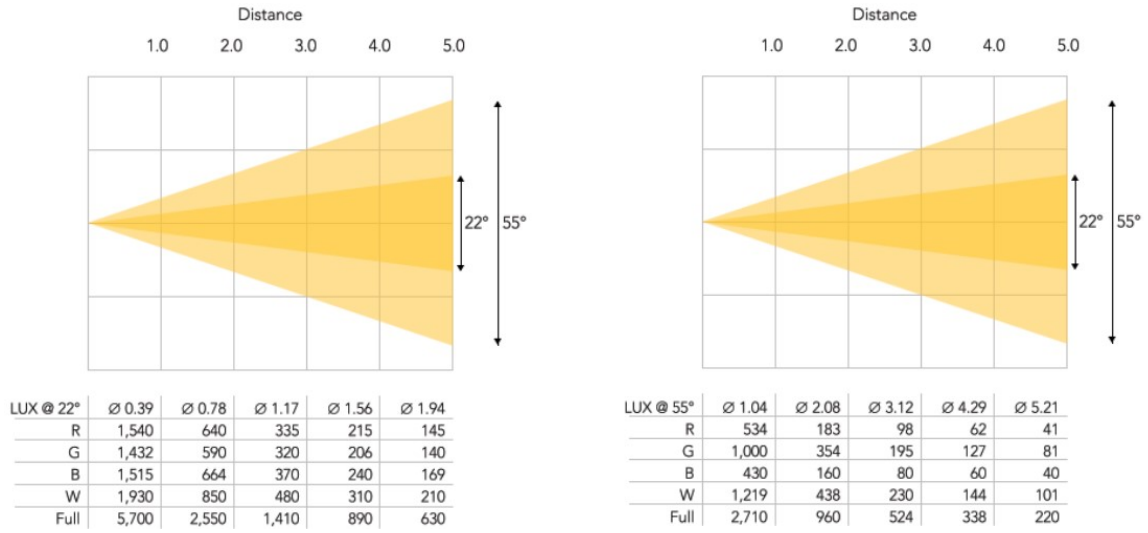
Step 1: Unscrew the fuse holder on the rear panel with a fitting screwdriver from the housing (anticlockwise).

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

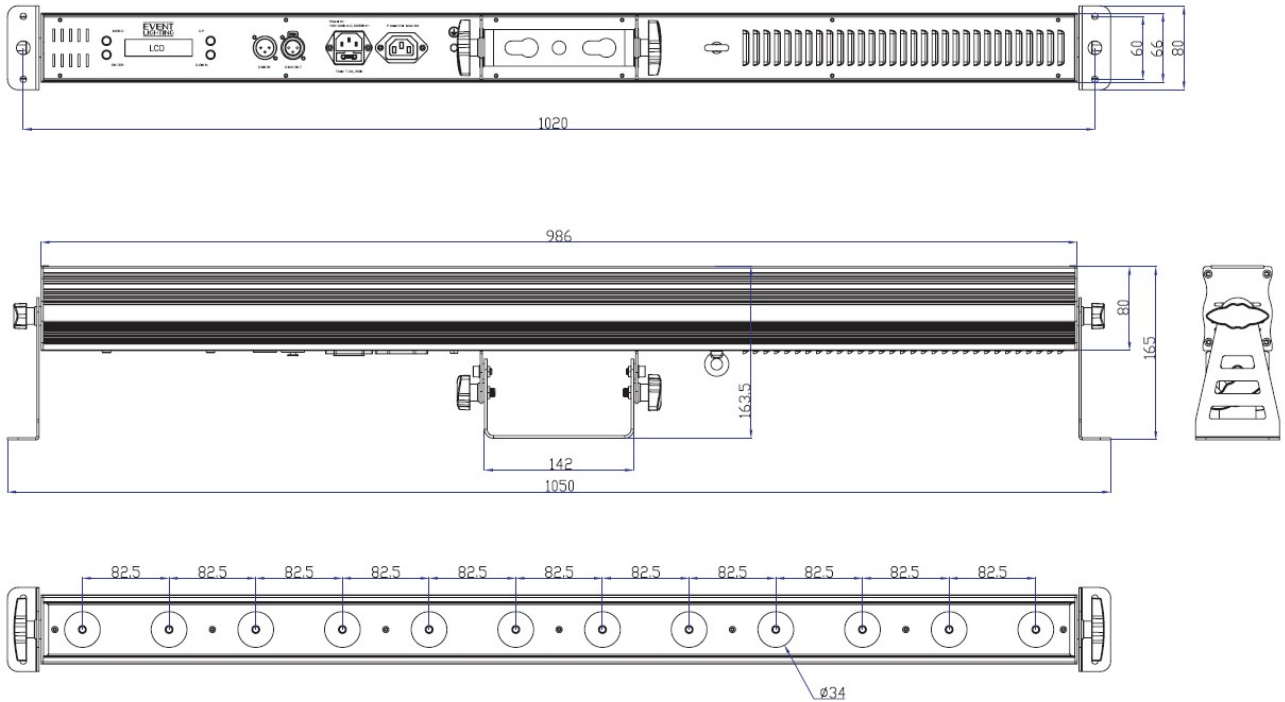
Step 3: Install the new fuse in the fuse holder.

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> <09> <12> <16> <24> <48> <50>	Select DMX channel mode
03.Dimmer Curve	<01> <02> <03> <04> <05>	Select dimmer curve
04.Sound Mode	Sen:<000> - Sen:<100>	Select sound active mode and the sensitivity level from Sen:<000> to Sen:<100>
05.Static Color	R, G, B, W, , GB, RB, RG, RGBW	Select static colour
06.Manual Color	R<000> - <255> G<000> - <255> B<000> - <255> W<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 colour 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.Master/Slave	<M> <S>	Select Master/Slave modes
09.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

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

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	3 colours switching
PR 02	7 colours switching
PR 03	7 colours fading
PR 04	Auto chasing 1
PR 05	Auto chasing 2
PR 06	Auto chasing 3
PR 07	Auto chasing 4
PR 08	Auto chasing 5
PR 09	Auto chasing 6
PR 10	Auto chasing 7
PR 11	Auto chasing 8
PR 12	Multi fixture chasing

Set auto run PR 01 - PR 11

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 12

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 12" 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
Ch4	Ch6	Ch8	Ch9	Ch12	Ch16	Ch24	Ch48	Ch50			
1	1		1						Red 0%-100%	0	255
2	2		2						Green 0%-100%	0	255
3	3		3						Blue 0%-100%	0	255
4	4		4						White 0%-100%	0	255
	5		5						Master Dimmer 0%-100% for ch1, 2, 3, 4 & 7	0	255
	6		6						No function	0	9
			7						Strobe (slow to fast)	10	255
									No function	0	9
									R G B colors switching	10	29
									7 colours switching	22	50
									7 colours fading	35	71
									Auto chasing 1	72	92
									Auto chasing 2	93	113
									Auto chasing 3	114	134
									Auto chasing 4	135	155
									Auto chasing 5	156	176
									Auto chasing 6	177	197

								Auto chasing 7	198	218
								Auto chasing 8	219	239
								Sound active mode	240	255
			8					Auto run speed	0	255
			9					Use preset dimming curve	0	9
								dimmer curve 1	10	57
								dimmer curve 2	58	106
								dimmer curve 3	107	155
								dimmer curve 4	156	204
								dimmer curve 5	205	255
		1						LED1-LED6 Red 0%-100%	0	255
		2						LED1-LED6 Green 0%-100%	0	255
		3						LED1-LED6 Blue 0%-100%	0	255
		4						LED1-LED6 White 0%-100%	0	255
		5						LED7-LED12 Red 0%-100%	0	255
		6						LED7-LED12 Green 0%-100%	0	255
		7						LED7-LED12 Blue 0%-100%	0	255
								LED7-LED12 White 0%-100%	0	255
				1				LED1-LED4 Red 0%-100%	0	255
				2				LED1-LED4 Green 0%-100%	0	255
				3				LED1-LED4 Blue 0%-100%	0	255
				4				LED1-LED4 White 0%-100%	0	255
				5				LED5-LED8 Red 0%-100%	0	255
				6				LED5-LED8 Green 0%-100%	0	255
				7				LED5-LED8 Blue 0%-100%	0	255
				8				LED5-LED8 White 0%-100%	0	255
				9				LED9-LED12 Red 0%-100%	0	255
				10				LED9-LED12 Green 0%-100%	0	255
				11				LED9-LED12 Blue 0%-100%	0	255
				12				LED9-LED12 White 0%-100%	0	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			LED4-LED6 Red 0%-100%	0	255
					6			LED4-LED6 Green 0%-100%	0	255
					7			LED4-LED6 Blue 0%-100%	0	255
					8			LED4-LED6 White 0%-100%	0	255
					9			LED7-LED9 Red 0%-100%	0	255
					10			LED7-LED9 Green 0%-100%	0	255
					11			LED7-LED9 Blue 0%-100%	0	255
					12			LED7-LED9 White 0%-100%	0	255

					13			LED10-LED12 Red 0%-100%	0	255
					14			LED10-LED12 Green 0%-100%	0	255
					15			LED10-LED12 Blue 0%-100%	0	255
					16			LED10-LED12 White 0%-100%	0	255
						1		LED1-LED2 Red 0%-100%	0	255
						2		LED1-LED2 Green 0%-100%	0	255
						3		LED1-LED2 Blue 0%-100%	0	255
						4		LED1-LED2 White 0%-100%	0	255
						5		LED3-LED4 Red 0%-100%	0	255
						6		LED3-LED4 Green 0%-100%	0	255
						7		LED3-LED4 Blue 0%-100%	0	255
						8		LED3-LED4 White 0%-100%	0	255
						9		LED5-LED6 Red 0%-100%	0	255
						10		LED5-LED6 Green 0%-100%	0	255
						11		LED5-LED6 Blue 0%-100%	0	255
						12		LED5-LED6 White 0%-100%	0	255
						13		LED7-LED8 Red 0%-100%	0	255
						14		LED7-LED8 Green 0%-100%	0	255
						15		LED7-LED8 Blue 0%-100%	0	255
						16		LED7-LED8 White 0%-100%	0	255
						17		LED9-LED10 Red 0%-100%	0	255
						18		LED9-LED10 Green 0%-100%	0	255
						19		LED9-LED10 Blue 0%-100%	0	255
						20		LED9-LED10 White 0%-100%	0	255
						21		LED11-LED12 Red 0%-100%	0	255
						22		LED11-LED12 Green 0%-100%	0	255
						23		LED11-LED12 Blue 0%-100%	0	255
						24		LED11-LED12 White 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 LED2 Red 0%-100%	0	255
							6	6 LED2 Green 0%-100%	0	255
							7	7 LED2 Blue 0%-100%	0	255
							8	8 LED2 White 0%-100%	0	255
							9	9 LED3 Red 0%-100%	0	255
							10	10 LED3 Green 0%-100%	0	255
							11	11 LED3 Blue 0%-100%	0	255
							12	12 LED3 White 0%-100%	0	255
							13	13 LED4 Red 0%-100%	0	255
							14	14 LED4 Green 0%-100%	0	255

							15	15	LED4 Blue 0%-100%	0	255
							16	16	LED4 White 0%-100%	0	255
							17	17	LED5 Red 0%-100%	0	255
							18	18	LED5 Green 0%-100%	0	255
							19	19	LED5 Blue 0%-100%	0	255
							20	20	LED5 White 0%-100%	0	255
							21	21	LED6 Red 0%-100%	0	255
							22	22	LED6 Green 0%-100%	0	255
							23	23	LED6 Blue 0%-100%	0	255
							24	24	LED6 White 0%-100%	0	255
							25	25	LED7 Red 0%-100%	0	255
							26	26	LED7 Green 0%-100%	0	255
							27	27	LED7 Blue 0%-100%	0	255
							28	28	LED7 White 0%-100%	0	255
							29	29	LED8 Red 0%-100%	0	255
							30	30	LED8 Green 0%-100%	0	255
							31	31	LED8 Blue 0%-100%	0	255
							32	32	LED8 White 0%-100%	0	255
							33	33	LED9 Red 0%-100%	0	255
							34	34	LED9 Green 0%-100%	0	255
							35	35	LED9 Blue 0%-100%	0	255
							36	36	LED9 White 0%-100%	0	255
							37	37	LED10 Red 0%-100%	0	255
							38	38	LED10 Green 0%-100%	0	255
							39	39	LED10 Blue 0%-100%	0	255
							40	40	LED10 White 0%-100%	0	255
							41	41	LED11 Red 0%-100%	0	255
							42	42	LED11 Green 0%-100%	0	255
							43	43	LED11 Blue 0%-100%	0	255
							44	44	LED11 White 0%-100%	0	255
							45	45	LED12 Red 0%-100%	0	255
							46	46	LED12 Green 0%-100%	0	255
							47	47	LED12 Blue 0%-100%	0	255
							48	48	LED12 White 0%-100%	0	255
								49	Master dimmer	0	255
								50	Strobe (slow to fast)	10	255

TECHNICAL SPECIFICATIONS

Power

- Input Voltages: 100V~240V AC, 50/60Hz
- Power Consumption: 120W
- Power Connection: IEC Input & Output Connection

Photometrics

- Light Source: 12 pcs 8W RGBW LEDs
- Beam Angle: 22° (Optional 55°)
- Output: 2,550 lux @2.0 M RGBW full on
- PWM: 2,940 Hz
- LED Life: 50,000 hours

Effects

- 8-bit Dimming Control /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 / 9 / 12 / 16 / 24 / 48 / 50
- 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