PIXBAR6H

6X12W RGBWAU Pixel Control Bar

USER MANUAL

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

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Contents

Safety Instructions

Warning

Do not open this device, there are no user-serviceable parts inside.
Do not look at the light source when the device is on.
This unit's housing may be hot during and after operation.
Install this device in a location with adequate ventilation, at least 20 inches (50 cm) from adjacent surfaces.
Do not leave any flammable material within 50 cm of this unit while operating or connected to power.
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 and Power Linking

This device has an auto-switching power supply work with input voltage range of 100~240V AC, 50/60 Hz. Link up to the maximum of 15A. DO NOT exceed this amount.

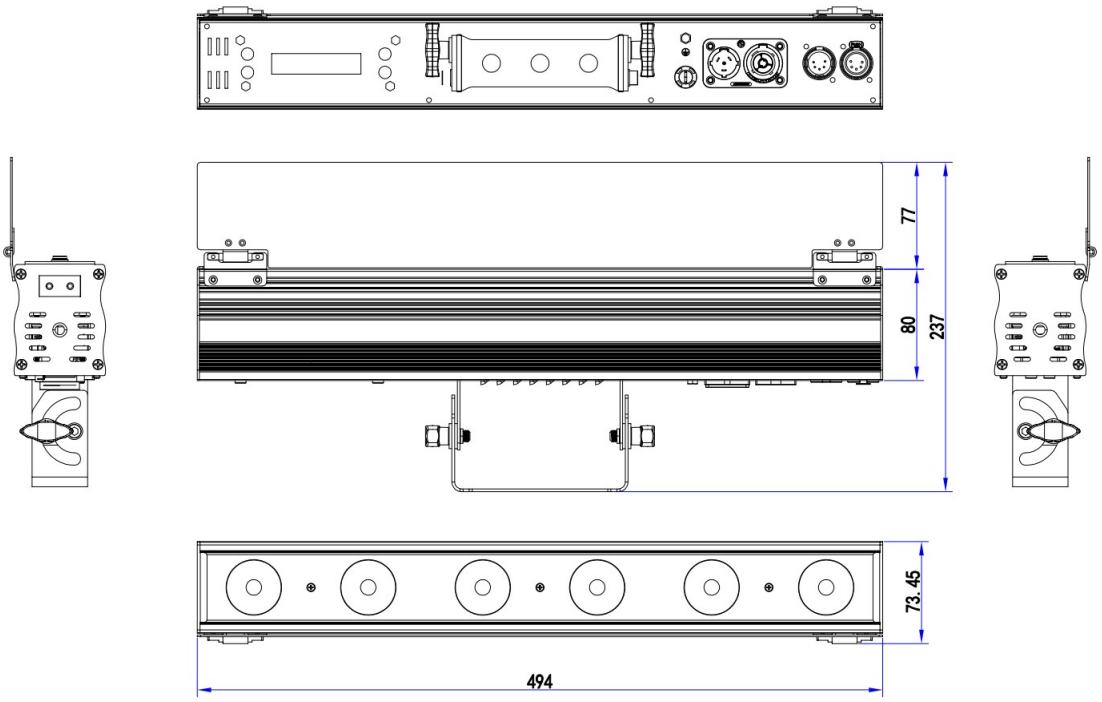
Product Installation

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, replace it with a fuse of the same type and rating. Before replacing the fuse, unplug the mains lead. Procedure:
Unscrew the fuse holder on the rear panel.
Remove the old fuse from the fuse holder.
Install the new fuse into the fuse holder.
Replace the fuse holder in the housing and securely fix it.

Dimensions



Lux Chart

LUX @ 30°	1m	2m	3m	4m	5m
R	783	231	104	63	48
G	992	305	137	82	60
B	950	292	132	80	58
W	1352	422	189	115	81
A	482	157	73	47	35
UV	251	76	34	21	15
Full on	4000	1280	575	347	235

LUX @ 55° Optional	1m	2m	3m	4m	5m
R	435	130	59	37	28
G	551	171	78	48	35
B	502	155	75	46	33
W	752	235	110	65	46
A	268	100	42	27	20
UV	84	26	12	7	5
Full on	2230	713	320	196	132

Control Panel Operation

Menu Map

Display	Options/Values	Description
01. DMX Address	<001> - <512>	Set the DMX address.
02. DMX Channel	<03> <04> <06> <08> <12> <36> <38>	Set the DMX channel mode.
03. Dimmer Curve	<01> <02> <03> <04>	Set the dimmer curve.
04. Static Colour	R, G, B, W, A, U, GB, RG, …, RGBWAU	Set a static colour.
05. Manual Colour	R<000> - <255> G<000> - <255> B<000> - <255> W<000> - <255> A<000> - <255> U<000> - <255> S<000> - <100>	Set the intensity of each colour separately, and the strobe rate.
06. Manual WCT	WCT: <01> - <11> DIM: <001> - <100>	Set the 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 an auto program, speed and brightness.
08. Sound Mode	Sen: <000> - Sen:<100>	Select sound active mode and sensitivity level.
09. Master/Slave	<M> <S>	Select master or slave mode.
10. Factory Set	<No> <Yes>	Reset to factory settings.

Menu Operation

<Menu> - Move up a level.
<Up> - Move selection up one item.
<Down> - Move selection down one item.
<Enter> - Select / Move down a level.

DMX Address

After selecting DMX Address, press <Enter> and use <Up> or <Down> to set the desired DMX address then press <Enter> to confirm.

DMX Modes

After selecting DMX Channel, press <Enter> and use <Up> or <Down> to select the desired DMX channel mode. Press <Enter> to confirm.

Dimming Mode

After selecting Dimmer Curve, press <Enter> and use <Up> or <Down> to select the desired dimming mode, then press "Enter" to confirm your selection.

Selecting Static Colours

After selecting Static Colour, use <Up> or <Down> to select the desired solid colour.

Value	Function
Static colour <R>	Red
Static colour <G>	Green
Static colour <B>	Blue
Static colour <W>	White
Static colour <A>	Amber
Static colour <U>	UV
Static colour <GB>	Green+Blue
Static colour <RG>	Red+Green
Static colour <RB>	Red+Blue
Static colour <RW>	Red+White
Static colour <GW>	Green+White
Static colour <BW>	Blue+White
Static colour <WA>	White+Amber
Static colour <RA>	Red+Amber
Static colour <GA>	Green+Amber
Static colour <BA>	Blue+Amber
Static colour <RGB>	Red+Green+Blue
Static colour <RGW>	Red+Green+White
Static colour <GBW>	Green+Blue+White
Static colour <GBA>	Green+Blue+Amber
Static colour <BWA>	Blue+White+Amber
Static colour <RGA>	Red+Green+Amber
Static colour <GWA>	Green+White+Amber
Static colour <RWA>	Red+White+Amber
Static colour <RGBA>	Red+Green+Blue+Amber
Static colour <GBWA>	Green+Blue+White+Amber
Static colour <RGBW>	Red+Green+Blue+White
Static colour <RBWA>	Red+Blue+White+Amber
Static colour <RGWA>	Red+Green+White+Amber
Static colour <RGBWA>	Red+Green+Blue+White+Amber
Static colour <RU>	Red + UV
Static colour <GU>	Green + UV
Static colour <AU>	Amber + UV
Static colour <RAU>	Green +Amber+UV
Static colour <RGBWAU>	Red + Green + Blue + White + Amber + UV

Manual Colour

This allows you to manually set the intensity of R, G, B, W, A and UV channels separately, as well at set the strobe speed, without a DMX controller.
Use <Up> or <Down> to select R/G/B/W/A/UV to adjust colour intensity or S to adjust strobe speed, then use <Up> or <Down> to set colour intensity values between 0 and 255, strobe speed between 0 (slowest) and 100 (fastest). Press <Enter> to confirm.

Manual WCT

Select the colour temperature from <WT01> - <WT11>, then use <Up> or <Down> to select intensity between 1 – 100, Press <Enter> to confirm.

Automatic Mode

PR01	4 colours switching
PR02	36 colours switching
PR03	6 colours fading (slow in slow out)
PR04	36 colours fading (slow in slow out)
PR05	6 colours fading (slow in fast out)
PR06	36 colours fading (slow in fast out)
PR07	6 colours fading (fast in slow out)
PR08	36 colours fading (fast in slow out)
PR09	Colour macros
PR10	Auto chasing 1
PR11	Auto chasing 2
PR12	Auto chasing 3
PR13	Auto chasing 4
PR14	Auto chasing 5
PR15	Auto chasing 6
PR16	Auto chasing 7
PR17	Auto chasing 8
PR18	Auto chasing 9
PR19	Multi fixture chasing

Set Auto Run PR01-18

After selecting Auto Program mode, use <Up> or <Down> button to select the built-in programs.Press <Enter> and use <Up> or <Down> button to select auto run speed from <Sp000> to <Sp100>. Press <Enter> and use <Up> or <Down> button to select intensity values of Auto Program from <dim000> - <dim255>. Press <Enter> to save your setting.

Set Multi Fixture Chases - PR19

Before starting, go to each fixture and reset the menu to factory defaults.
On the master unit, setup the DMX address to the total number of fixtures in the string. For example, if you have a total of 20 PIXBARs including the master, set the DMX address to 20.
On the master unit, go to Master/Slave menu setting and set it to Master mode. Select Auto Mode PR19.
On each slave unit, set the DMX address to the position of the fixture in the string. For example, if the unit is the 2nd unit in the string, including the master, set the DMX address to 2. It is possible to double up fixture positions.Also go to Master/Slave menu to set it to Slave mode.

Sound Mode

After selecting Sound Mode, use <Up> or <Down> to set the sound sensitivity <Sen:000> - <Sen:100>, press <Enter> to confirm.

Master/Slave Operation

Set the master fixture to one of the standalone operating modes: Auto, Sound, Static colour, or manual colour.
Set the slave fixtures to Slave mode and press <Enter> to save the setting

Factory Set

To restore factory settings, select Factory Set and press <Enter>, then use <Up> or <Down> to select "Yes". Press "Enter" to confirm.

DMX Chart

The device is controlled by universal DMX512 protocol, DMX address is the start channel used to receive instructions from the external controller. For independent control, each fixture must be assigned its unique address control channels. For example, this device has seven channel modes: 3/4W/4A/6/8/12/36/38. If we set the DMX mode to 3 channel mode, and there are several fixtures that need to be independently controlled, we just simply address first fixture at 1, and second fixture at 4, third one at 7, etc. If the devices have the same address, they will behave synchronically. Display is flashing when no DMX signal is received.

Mode/Chanel								DMX Value	Function
3CH	4W CH	4A CH	6CH	8CH	12CH	36CH	38CH		
1	1	1	1	1	1			0-255	Red 1-100%
2	2	2	2	2	2			0-255	Greeen 1-100%
3	3	3	3	3	3			0-255	Blue 1-100%
	4		4	4	4			0-255	White- 1-100%
		4	5	5	5			0-255	Amber -1-100%
			6	6	6			0-255	UV - 1-100%
				7	7			0-255	Dimmer
				8	8			0-9	no function
								10-255	strobe from slow to fast，1-30HZ
					9			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	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	0-255	Master Dimmer 0 - 100%
							38	0-9	No Function
								10-255	Strobe, slow to fast (1-30Hz)

Technical Specifications

Power

- Input voltages: 100V~240V AC,50/60Hz
- Power consumption: 60W
- Power connection: True1 In / Out

Photometrics

- Light source: 6pcs 12W RGBWAU 6-in-1 LEDs
- Beam angle: 30° (Optional 55°)
- Output: 1,280 lux @2.0 M RGBWAU full on
- PWM: 12,000 Hz
- LED life: 50,000 hours

Effects

- Dimming: 4 dimming curves
- Strobe: 1 - 30 Hz

Control

- Operational modes: DMX, auto, manual, sound active, master/slave
- DMX protocol: DMX512
- DMX channel mode: 3/4W/4A/6/8/12/36/38
- DMX interface: 5-Pin XLR
- Display: 4-button LCD display control panel

- Software upgrade via DMX: yes

Housing

- Housing materials: aluminium housing
- Housing finish: matte black
- Cooling: Fanless Cooling
- Dimension: 568x165x80mm
- Net Weight: 2.6kg

Accessory

- Barn Door
- Frost Panel

Warranty

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

Website: www.event-lighting.com.au