

EVENT LIGHTING

TSUNAMI2-IP Outdoor LED Tilt Moving Head 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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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 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.
- This product is rated IP65, meaning it is protected against dust and water jets from all directions. Do not operate this device in any location where excessive heat or water beyond the IP65 specification 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 40° C. Do not operate this device at higher temperatures.

Power Input and Power Linking

This device has an auto-switching power supply that works with input voltage range of 100~240 VAC, 50/60 Hz.

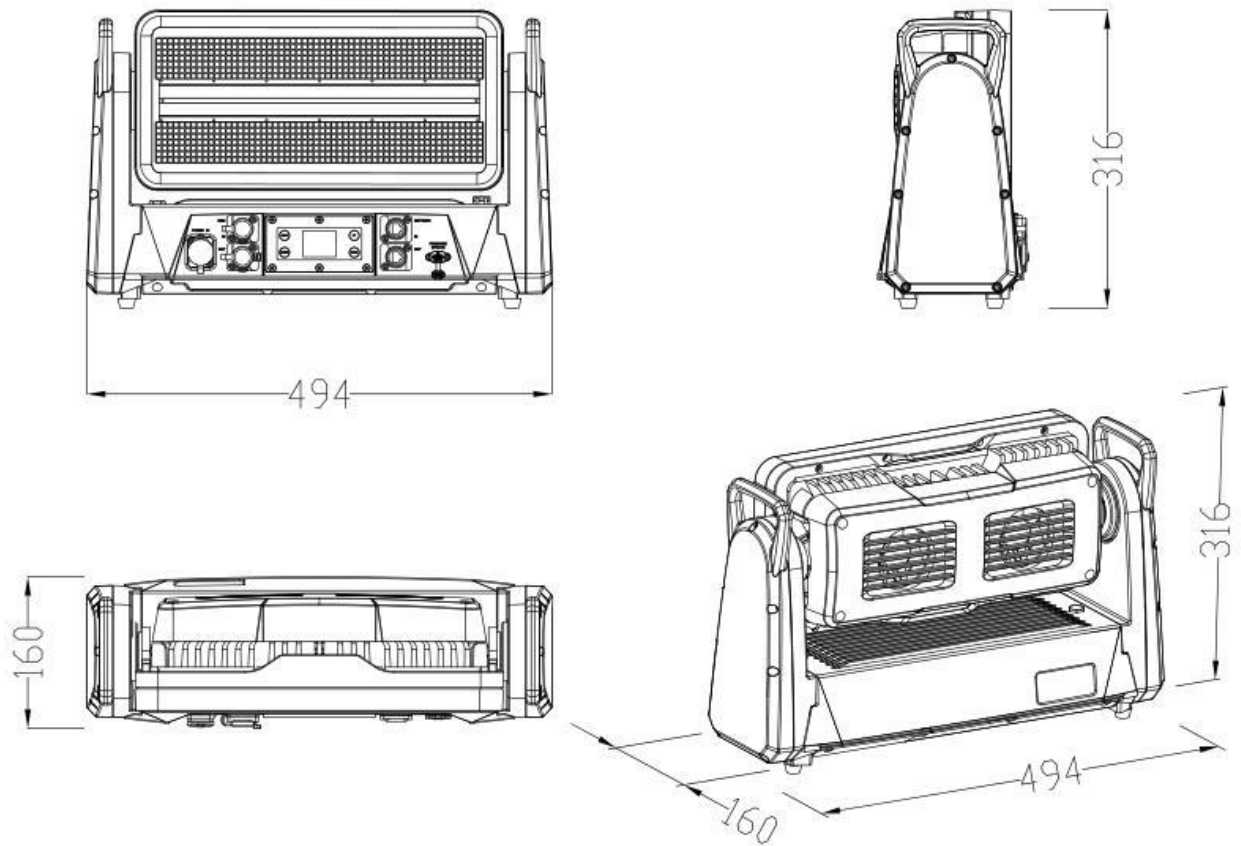
Power connection: TrueOne

Link up to a maximum **TWO UNITS**. Do NOT exceed this.

Product Installation

- This fixture can be mounted in many orientations provided each individual fixture is secured by the use of correct mounting bracket.
- Use a safety chain when mounting this device overhead.

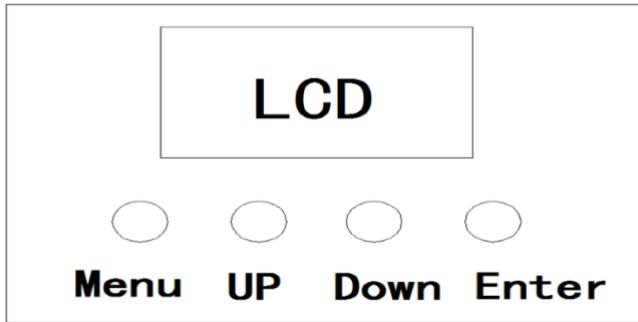
Dimensions



Lux Chart

Lux	@ 117°	
	5m	10m
R	49	12
G	91	23
B	23	6
W	1,650	393
RGB	158	39
Full	1,800	439

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.

Menu

	Main Level	Programming Levels			
1	Protocol	DMX512			
		Art-Net			
		sACN			
2	DMX Address	1 - 512*			
3	DMX Channel	8CH			
		11CH			
		13CH			
		24CH			
		30CH			
		74CH			
		97CH			
4	Static	Fixed Colour	R		
			G		
			B		
			GB		
			RB		
			RG		
			RGB		
		Manual Colour Mixer	Red	0-255	
			Green		
			Blue		
5	Plate FX	Plate FX 1	Speed	1-100	
		Plate FX 2	Plate Intensity	000-255	
		Plate FX 3	Background Colour	R	
		Plate FX 4		G	
		Plate FX 5		B	
		Plate FX 6		GB	
		Plate FX 7		RB	
		Plate FX 8		RG	
		Plate FX 9		RGB	
		Foreground Colour	Off		
			R		
			G		
			B		
			GB		
				RB	

				RG
				RGB
				Off
6	Beam Intensity	000-255		
7	Beam Flash Duration	000-255		
8	Beam Flash Rate	000-255		
9	Tilt	000-255		
10	Tilt Offset	000-255		
11	Tilt Invert	No		
		Yes		
12	Pixel Invert	Plate 1 Invert	No	
			Yes	
		Plate 2 Invert	No	
			Yes	
		Tube 1 Invert	No	
			Yes	
		Tube 2 Invert	No	
			Yes	
13	LED Array Swap	Plate Swap	No	
			Yes	
		Beam Swap	No	
			Yes	
14	Master/Slave	Master		
		Slave		
15	Dimmer Mode	Off		
		DIM1-3		
16	White Balance	Off		
		Manual	RGB	125-255
17	LED Frequency	600Hz		
		1200Hz		
		2000Hz		
		4000Hz		
		6000Hz		
		25000Hz		
18	Fan Mode	Auto		
		On		
19	Display Invert	No		
		Yes		
20	Backlight	10s		
		30s		
		2Min		
		Always On		
21	Key Lock	On		
		Off		
22	Ethernet Setting	Universe	0-255 (ArtNet)	
			1-255 (sACN)	
		IP Address	2.192.0.1	
23	Information	Fixture Hours:	__ _Hours	
		LED Hours:	_ _H	
		Disp Ver:	V_ _ _ _ _	

		Drv-Y Ver:	V_ _
		LED-A Ver:	V_ _
		LED-C Ver:	V_ _
		Net Ver:	V_ _
		UID	-----
24	Update Firmware	Only this Unit	----- .CHL
			...
		Multiple Units	----- .CHL
			...
	Other Fixture Units	----- .CHL	
			...
25	Factory Reset	No	
		Yes	

DMX Chart

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, if you are using the 8-channel mode, the first fixture should be assigned to address 001. This fixture will take up 8 channels of DMX so the next fixture must be assigned to address 009. A third would be assigned to address 017 etc.

97 Channel Mode

Channel	Function	Value	Percent/Setting
1	Tilt	000-255	0-100%
2	Tilt Fine	000-255	0-100%
3	Master Dimmer	000-255	0-100%
4	Plate Dimmer	000-255	0-100%
5	Beam Dimmer	000-255	0-100%
6	Plate Flash Duration	000-009	Classic shutter mode: disables duration control
		010-250	Slow - Fast
		251-255	100% On, No Flash/Strobe
7	Plate Flash Rate	000-009	100%
		010-250	Slow - Fast
		251-255	100%
8	Beam Flash Duration	000-009	Classic shutter mode: disables duration control
		010-250	Slow - Fast
		251-255	100% On, No Flash/Strobe
9	Beam Flash Rate	000-009	100%
		010-250	Slow - Fast
		251-255	100%
10	Plate Pixel 1 Red	000-255	0-100%
11	Plate Pixel 1 Green	000-255	0-100%
12	Plate Pixel 1 Blue	000-255	0-100%
13	Plate Pixel 2 Red	000-255	0-100%
14	Plate Pixel 2 Green	000-255	0-100%
15	Plate Pixel 2 Blue	000-255	0-100%
16	Plate Pixel 3 Red	000-255	0-100%
17	Plate Pixel 3 Green	000-255	0-100%
18	Plate Pixel 3 Blue	000-255	0-100%
19	Plate Pixel 4 Red	000-255	0-100%
20	Plate Pixel 4 Green	000-255	0-100%
21	Plate Pixel 4 Blue	000-255	0-100%
22	Plate Pixel 5 Red	000-255	0-100%
23	Plate Pixel 5 Green	000-255	0-100%
24	Plate Pixel 5 Blue	000-255	0-100%
25	Plate Pixel 6 Red	000-255	0-100%

26	Plate Pixel 6 Green	000-255	0-100%
27	Plate Pixel 6 Blue	000-255	0-100%
28	Plate Pixel 7 Red	000-255	0-100%
29	Plate Pixel 7 Green	000-255	0-100%
30	Plate Pixel 7 Blue	000-255	0-100%
31	Plate Pixel 8 Red	000-255	0-100%
32	Plate Pixel 8 Green	000-255	0-100%
33	Plate Pixel 8 Blue	000-255	0-100%
34	Plate Pixel 9 Red	000-255	0-100%
35	Plate Pixel 9 Green	000-255	0-100%
36	Plate Pixel 9 Blue	000-255	0-100%
37	Plate Pixel 10 Red	000-255	0-100%
38	Plate Pixel 10 Green	000-255	0-100%
39	Plate Pixel 10 Blue	000-255	0-100%
40	Plate Pixel 11 Red	000-255	0-100%
41	Plate Pixel 11 Green	000-255	0-100%
42	Plate Pixel 11 Blue	000-255	0-100%
43	Plate Pixel 12 Red	000-255	0-100%
44	Plate Pixel 12 Green	000-255	0-100%
45	Plate Pixel 12 Blue	000-255	0-100%
46	Plate Pixel 13 Red	000-255	0-100%
47	Plate Pixel 13 Green	000-255	0-100%
48	Plate Pixel 13 Blue	000-255	0-100%
49	Plate Pixel 14 Red	000-255	0-100%
50	Plate Pixel 14 Green	000-255	0-100%
51	Plate Pixel 14 Blue	000-255	0-100%
52	Beam Pixel 1	000-255	0-100%
53	Beam Pixel 2	000-255	0-100%
54	Beam Pixel 3	000-255	0-100%
55	Beam Pixel 4	000-255	0-100%
56	Beam Pixel 5	000-255	0-100%
57	Beam Pixel 6	000-255	0-100%
58	Beam Pixel 7	000-255	0-100%
59	Beam Pixel 8	000-255	0-100%
60	Beam Pixel 9	000-255	0-100%
61	Beam Pixel 10	000-255	0-100%
62	Beam Pixel 11	000-255	0-100%
63	Beam Pixel 12	000-255	0-100%
64	Beam Pixel 13	000-255	0-100%
65	Beam Pixel 14	000-255	0-100%
66	Beam Pixel 15	000-255	0-100%
67	Beam Pixel 16	000-255	0-100%
68	Beam Pixel 17	000-255	0-100%
69	Beam Pixel 18	000-255	0-100%
70	Beam Pixel 19	000-255	0-100%
71	Beam Pixel 20	000-255	0-100%
72	Beam Pixel 21	000-255	0-100%
73	Beam Pixel 22	000-255	0-100%
74	Beam Pixel 23	000-255	0-100%
75	Beam Pixel 24	000-255	0-100%
76	Beam Pixel 25	000-255	0-100%
77	Beam Pixel 26	000-255	0-100%
78	Beam Pixel 27	000-255	0-100%
79	Beam Pixel 28	000-255	0-100%
80	Beam FX	000-005	No Function
		006-042	Ramp Up
		043-085	Ramp Down
		086-128	Ramp Up-Down
		129-171	Random

		172-214	Lighting		
		215-255	Spikes		
81	Plate Foreground	000-000	No Function		
		001-002	White (2700K)		
		0003-004	White (3200K)		
		005-006	White (4200K)		
		007-008	White (5600K)		
		009-010	White (8000K)		
		011	Blue	R: 0	G: 0
				B: 255	W: 0
		012-048	Green+/Blue	R: 0	G: +
				B: 255	W: 0
		049	Cyan	R: 0	G: 255
				B: 255	W: 0
		050-086	Green/Blue-	R: 0	G: 255
				B: -	W: 0
		087	Green	R: 0	G: 255
				B: 0	W: 0
		088-124	Red+/Green	R: +	G: 255
				B: 0	W: 0
		125	Yellow	R: 255	G: 255
				B: 0	W: 0
		126-162	Red/Green-	R: 255	G: -
				B: 0	W: 0
		163	Red	R: 255	G: 0
	B: 0		W: 0		
164-200	Red/Blue+	R: 255	G: 0		
		B: +	W: 0		
201	Magenta	R: 255	G: 0		
		B: 255	W: 0		
202-238	Red-/Blue	R: -	G: 0		
		B: 255	W: 0		
239	Blue	R: 0	G: 0		
		B: 255	W: 0		
		240-247	Colour Index: Fast-Slow		
		248-255	Colour Snap: Fast-Slow		
82	Plate Foreground Dimmer	000-255	0-100%		
83	Plate Background	000-000	No Function		
		001-002	White (2700K)		
		003-004	White (3200K)		
		005-006	White (4200K)		
		007-008	White (5600K)		
		009-010	White (8000K)		
		011	Blue	R: 0	G: 0

			B: 255	W: 0
		012-048	Green+/Blue	
			R: 0	G: +
			B: 255	W: 0
		049	Cyan	
			R: 0	G: 255
			B: 255	W: 0
		050-086	Green/Blue-	
			R: 0	G: 255
			B: -	W: 0
		087	Green	
			R: 0	G: 255
			B: 0	W: 0
		088-124	Red+/Green	
			R: +	G: 255
			B: 0	W: 0
		125	Yellow	
			R: 255	G: 255
			B: 0	W: 0
		126-162	Red/Green-	
			R: 255	G: -
			B: 0	W: 0
		163	Red	
			R: 255	G: 0
			B: 0	W: 0
		164-200	Red/Blue+	
			R: 255	G: 0
			B: +	W: 0
		201	Magenta	
			R: 255	G: 0
			B: 255	W: 0
		202-238	Red-/Blue	
			R: -	G: 0
			B: 255	W: 0
		239	Blue	
			R: 0	G: 0
			B: 255	W: 0
		240-247	Colour Index: Fast-Slow	
		248-255	Colour Snap: Fast-Slow	
84	Plate Background Dimmer	000-255	0-100%	
85	Plate 1 (Pixels 1-7) FX Select (See Pixel Mapping)	000-002	Plate FX All Select (all on)	
		003-255	See Plate Patterns	
86	Plate 1 (Pixels 1-7) FX Movement Speed & Direction (See Pixel Mapping)	000-005	No Function	
		006-124	Left - Right, Fast - Slow	
		125-130	No Function	
		131-249	Right – Left, Slow - Fast	
		250-255	No Function	
87	Plate 1 (Pixels 1-7) FX Crossfade (See Pixel Mapping)	000-002	Snap from cell to cell	
		003-255	Fade Duration: Short - Long	
88	Plate 2 (Pixels 1-7) FX Select (See Pixel Mapping)	000-002	Plate FX All Select (all on) see Plate Patterns	
		003-255		
89	Plate 2 (Pixels 1-7) FX Movement Speed & Direction (See Pixel Mapping)	000-005	No Function	
		006-124	Left - Right, Fast - Slow	
		125-130	No Function	
		131-249	Right – Left, Slow - Fast	
		250-255	No Function	
90	Plate 2 (Pixels 1-7) FX Crossfade (See Pixel Mapping)	000-002	Snap from cell to cell	
		003-255	Fade Duration: Short - Long	
91	Beam 1 (Pixels 1-7)	000-002	Plate FX All Select (all on) see Plate Patterns	

	FX Select (See Pixel Mapping)	003-255	
92	Beam 1 (Pixels 1-7) FX Movement Speed & Direction (See Pixel Mapping)	000-005	No Function
		006-124	Left - Right, Fast - Slow
		125-130	No Function
		131-249	Right – Left, Slow - Fast
		250-255	No Function
93	Beam 1 (Pixels 1-7)	000-002	Snap from cell to cell
	FX Crossfade (See Pixel Mapping)	003-255	Fade Duration: Short - Long
94	Beam 2 (Pixels 1-7) FX Select (See Pixel Mapping)	000-002	Plate FX All Select (all on) see Plate Patterns
		003-255	
95	Beam 2 (Pixels 1-7) FX Movement Speed & Direction (See Pixel Mapping)	000-005	No Function
		006-124	Left - Right, Fast - Slow
		125-130	No Function
		131-249	Right – Left, Slow - Fast
		250-255	No Function
96	Plate 2 (Pixels 1-7)	000-002	Snap from cell to cell
	FX Crossfade (See Pixel Mapping)	003-255	Fade Duration: Short - Long
97	Control	000-005	No Function
		006-010	Off (dimmer mode)
		011-015	Dimmer 1
		016-020	Dimmer 2
		021-025	Dimmer 3
		026-030	600 Hz
		031-035	1200 Hz
		036-040	2000 Hz
		041-045	4000 Hz
		046-050	6000 Hz
		051-055	25000 Hz
		056-060	Fan Auto Mode
		061-065	Fan Mode On
		066-070	Tilt Reset
		071-075	Plate 1 Invert Off
		076-080	Plate 1 Invert On
		081-085	Plate 2 Invert Off
		086-090	Plate 2 Invert On
		091-095	Beam 1 Invert Off
		096-100	Beam1 Invert On
		101-105	Beam 2 Invert Off
		106-110	Beam 2 Invert On
		111-115	Plate Swap On
		116-120	Plate Swap Off
121-125	Beam Swap On		
126-130	Beam Swap Off		
131-255	No Function		

74 Channel Mode

Channel	Function	Value	Percent/Setting
1	Tilt	000-255	0-100%
2	Tilt Fine	000-255	0-100%
3	Dimmer	000-255	0-100%
4	Strobe	000-009	Open
		010-079	Strobe: Slow - Fast
		080-149	Pulse: Slow - Fast
		150-219	Random Strobe: Slow - Fast
220-255	Open		
5	Plate Pixel 1 Red	000-255	0-100%
6	Plate Pixel 1 Green	000-255	0-100%
7	Plate Pixel 1 Blue	000-255	0-100%

8	Plate Pixel 2 Red	000-255	0-100%
9	Plate Pixel 2 Green	000-255	0-100%
10	Plate Pixel 2 Blue	000-255	0-100%
11	Plate Pixel 3 Red	000-255	0-100%
12	Plate Pixel 3 Green	000-255	0-100%
13	Plate Pixel 3 Blue	000-255	0-100%
14	Plate Pixel 4 Red	000-255	0-100%
15	Plate Pixel 4 Green	000-255	0-100%
16	Plate Pixel 4 Blue	000-255	0-100%
17	Plate Pixel 5 Red	000-255	0-100%
18	Plate Pixel 5 Green	000-255	0-100%
19	Plate Pixel 5 Blue	000-255	0-100%
20	Plate Pixel 6 Red	000-255	0-100%
21	Plate Pixel 6 Green	000-255	0-100%
22	Plate Pixel 6 Blue	000-255	0-100%
23	Plate Pixel 7 Red	000-255	0-100%
24	Plate Pixel 7 Green	000-255	0-100%
25	Plate Pixel 7 Blue	000-255	0-100%
26	Plate Pixel 8 Red	000-255	0-100%
27	Plate Pixel 8 Green	000-255	0-100%
28	Plate Pixel 8 Blue	000-255	0-100%
29	Plate Pixel 9 Red	000-255	0-100%
30	Plate Pixel 9 Green	000-255	0-100%
31	Plate Pixel 9 Blue	000-255	0-100%
32	Plate Pixel 10 Red	000-255	0-100%
33	Plate Pixel 10 Green	000-255	0-100%
34	Plate Pixel 10 Blue	000-255	0-100%
35	Plate Pixel 11 Red	000-255	0-100%
36	Plate Pixel 11 Green	000-255	0-100%
37	Plate Pixel 11 Blue	000-255	0-100%
38	Plate Pixel 12 Red	000-255	0-100%
39	Plate Pixel 12 Green	000-255	0-100%
40	Plate Pixel 12 Blue	000-255	0-100%
41	Plate Pixel 13 Red	000-255	0-100%
42	Plate Pixel 13 Green	000-255	0-100%
43	Plate Pixel 13 Blue	000-255	0-100%
44	Plate Pixel 14 Red	000-255	0-100%
45	Plate Pixel 14 Green	000-255	0-100%
46	Plate Pixel 14 Blue	000-255	0-100%
47	Beam Pixel 1	000-255	0-100%
48	Beam Pixel 2	000-255	0-100%
49	Beam Pixel 3	000-255	0-100%
50	Beam Pixel 4	000-255	0-100%
51	Beam Pixel 5	000-255	0-100%
52	Beam Pixel 6	000-255	0-100%
53	Beam Pixel 7	000-255	0-100%
54	Beam Pixel 8	000-255	0-100%
55	Beam Pixel 9	000-255	0-100%
56	Beam Pixel 10	000-255	0-100%
57	Beam Pixel 11	000-255	0-100%
58	Beam Pixel 12	000-255	0-100%
59	Beam Pixel 13	000-255	0-100%
60	Beam Pixel 14	000-255	0-100%
61	Beam Pixel 15	000-255	0-100%
62	Beam Pixel 16	000-255	0-100%
63	Beam Pixel 17	000-255	0-100%
64	Beam Pixel 18	000-255	0-100%
65	Beam Pixel 19	000-255	0-100%
66	Beam Pixel 20	000-255	0-100%

67	Beam Pixel 21	000-255	0-100%
68	Beam Pixel 22	000-255	0-100%
69	Beam Pixel 23	000-255	0-100%
70	Beam Pixel 24	000-255	0-100%
71	Beam Pixel 25	000-255	0-100%
72	Beam Pixel 26	000-255	0-100%
73	Beam Pixel 27	000-255	0-100%
74	Beam Pixel 28	000-255	0-100%

30 Channel Mode

Channel	Function	Value	Percent/Setting		
1	Tilt	000-255	0-100%		
2	Tilt Fine	000-255	0-100%		
3	Master Dimmer	000-255	0-100%		
4	Plate Dimmer	000-255	0-100%		
5	Beam Dimmer	000-255	0-100%		
6	Plate Flash Duration	000-009	Classic shutter mode: disables duration control		
		010-250	Slow - Fast		
		251-255	100% On, No Flash/Strobe		
7	Plate Flash Rate	000-009	100%		
		010-250	Slow – Fast		
		251-255	100%		
8	Beam Flash Duration	000-009	Classic shutter mode: disables duration control		
		010-250	Slow - Fast		
		251-255	100% On, No Flash/Strobe		
9	Beam Flash Rate	000-009	100%		
		010-250	Slow – Fast		
		251-255	100%		
10	Plates Red	000-255	0-100%		
11	Plates Green	000-255	0-100%		
12	Plates Blue	000-255	0-100%		
13	Beam FX	000-005	No Function		
		006-042	Ramp Up		
		043-085	Ramp Down		
		086-128	Ramp Up-Down		
		129-171	Random		
		172-214	Lighting		
		215-255	Spikes		
14	Plates Foreground	000-000	No Function		
		001-002	White (2700K)		
		003-004	White (3200K)		
		005-006	White (4200K)		
		007-008	White (5600K)		
		009-010	White (8000K)		
		011	Blue		
			R: 0	G: 0	
			B: 255	W: 0	
		012-048	Green+/Blue		
			R: 0	G: +	
			B: 255	W: 0	
		049	Cyan		
			R: 0	G: 255	
			B: 255	W: 0	
050-086	Green/Blue-				
	R: 0	G: 255			
	B: -	W: 0			
087	Green				

			R: 0	G: 255
			B: 0	W: 0
		088-124	Red+/Green	
			R: +	G: 255
			B: 0	W: 0
		125	Yellow	
			R: 255	G: 255
			B: 0	W: 0
		126-162	Red/Green-	
			R: 255	G: -
			B: 0	W: 0
		163	Red	
			R: 255	G: 0
			B: 0	W: 0
		164-200	Red/Blue+	
			R: 255	G: 0
			B: +	W: 0
		201	Magenta	
			R: 255	G: 0
			B: 255	W: 0
		202-238	Red-/Blue	
			R: -	G: 0
			B: 255	W: 0
		239	Blue	
			R: 0	G: 0
			B: 255	W: 0
		240-247	Colour Index: Fast-Slow	
		248-255	Colour Snap: Fast-Slow	
15	Plates Foreground Dimmer	000-255	0-100%	
16	Plates Background	000-000	No Function	
		001-002	White (2700K)	
		003-004	White (3200K)	
		005-006	White (4200K)	
		007-008	White (5600K)	
		009-010	White (8000K)	
		011	Blue	
			R: 0	G: 0
			B: 255	W: 0
		012-048	Green+/Blue	
			R: 0	G: +
			B: 255	W: 0
		049	Cyan	
			R: 0	G: 255
			B: 255	W: 0
		050-086	Green/Blue-	
			R: 0	G: 255
			B: -	W: 0
		087	Green	
			R: 0	G: 255
			B: 0	W: 0
		088-124	Red+/Green	
			R: +	G: 255
			B: 0	W: 0
		125	Yellow	
			R: 255	G: 255
			B: 0	W: 0
		126-162	Red/Green-	
			R: 255	G: -
			B: 0	W: 0

		163	Red R: 255 B: 0	G: 0 W: 0
		164-200	Red/Blue+ R: 255 B: +	G: 0 W: 0
		201	Magenta R: 255 B: 255	G: 0 W: 0
		202-238	Red-/Blue R: - B: 255	G: 0 W: 0
		239	Blue R: 0 B: 255	G: 0 W: 0
		240-247	Colour Index: Fast-Slow	
		248-255	Colour Snap: Fast-Slow	
17	Plates Background Dimmer	000-255	0-100%	
18	Plate 1 (Pixels 1-7)	000-002	Plate FX All Select (all on)	
	FX Select (See Pixel Mapping)	003-255	See Plate Patterns	
19	Plate 1 (Pixels 1-7) FX Movement Speed & Direction (See Pixel Mapping)	000-005	No Function	
		006-124	Left - Right, Fast - Slow	
		125-130	No Function	
		131-249	Right – Left, Slow - Fast	
		250-255	No Function	
20	Plate 1 (Pixels 1-7)	000-002	Snap from cell to cell	
	FX Crossfade (See Pixel Mapping)	003-255	Fade Duration: Short - Long	
21	Plate 2 (Pixels 1-7) FX Select (See Pixel Mapping)	000-002	Plate FX All Select (all on) see Plate Patterns	
		003-255		
22	Plate 2 (Pixels 1-7) FX Movement Speed & Direction (See Pixel Mapping)	000-005	No Function	
		006-124	Left - Right, Fast - Slow	
		125-130	No Function	
		131-249	Right – Left, Slow - Fast	
		250-255	No Function	
23	Plate 2 (Pixels 1-7)	000-002	Snap from cell to cell	
	FX Crossfade (See Pixel Mapping)	003-255	Fade Duration: Short - Long	
24	Beam 1 (Pixels 1-7)	000-002	Plate FX All Select (all on) see Plate Patterns	
	FX Select (See Pixel Mapping)	003-255		
25	Beam 1 (Pixels 1-7) FX Movement Speed & Direction (See Pixel Mapping)	000-005	No Function	
		006-124	Left - Right, Fast - Slow	
		125-130	No Function	
		131-249	Right – Left, Slow - Fast	
		250-255	No Function	
26	Beam 1 (Pixels 1-7)	000-002	Snap from cell to cell	
	FX Crossfade (See Pixel Mapping)	003-255	Fade Duration: Short - Long	
27	Beam 2 (Pixels 1-7) FX Select (See Pixel Mapping)	000-002	Plate FX All Select (all on) see Plate Patterns	
		003-255		
28	Beam 2 (Pixels 1-7) FX Movement Speed & Direction (See Pixel Mapping)	000-005	No Function	
		006-124	Left - Right, Fast - Slow	
		125-130	No Function	
		131-249	Right – Left, Slow - Fast	
		250-255	No Function	
29	Plate 2 (Pixels 1-7)	000-002	Snap from cell to cell	
	FX Crossfade (See Pixel Mapping)	003-255	Fade Duration: Short - Long	
30	Control	000-005	No Function	
		006-010	Off (dimmer mode)	
		011-015	Dimmer 1	
		016-020	Dimmer 2	
		021-025	Dimmer 3	

	026-030	600 Hz
	031-035	1200 Hz
	036-040	2000 Hz
	041-045	4000 Hz
	046-050	6000 Hz
	051-055	25000 Hz
	056-060	Fan Auto Mode
	061-065	Fan Mode On
	066-070	Tilt Reset
	071-075	Plate 1 Invert Off
	076-080	Plate 1 Invert On
	081-085	Plate 2 Invert Off
	086-090	Plate 2 Invert On
	091-095	Beam 1 Invert Off
	096-100	Beam1 Invert On
	101-105	Beam 2 Invert Off
	106-110	Beam 2 Invert On
	111-115	Plate Swap On
	116-120	Plate Swap Off
	121-125	Beam Swap On
	126-130	Beam Swap Off
	131-255	No Function

24 Channel Mode

Channel	Function	Value	Percent/Setting
1	Tilt	000-255	0-100%
2	Tilt Fine	000-255	0-100%
3	Master Dimmer	000-255	0-100%
4	Plate Dimmer	000-255	0-100%
5	Beam Dimmer	000-255	0-100%
6	Plate Flash Duration	000-009	Classic shutter mode: disables duration control
		010-250	Slow - Fast
		251-255	100% On, No Flash/Strobe
7	Plate Flash Rate	000-009	100%
		010-250	Slow – Fast
		251-255	100%
8	Beam Flash Duration	000-009	Classic shutter mode: disables duration control
		010-250	Slow - Fast
		251-255	100% On, No Flash/Strobe
9	Beam Flash Rate	000-009	100%
		010-250	Slow – Fast
		251-255	100%
10	Plates Red	000-255	0-100%
11	Plates Green	000-255	0-100%
12	Plates Blue	000-255	0-100%
13	Beam FX	000-005	No Function
		006-042	Ramp Up
		043-085	Ramp Down
		086-128	Ramp Up-Down
		129-171	Random
		172-214	Lighting
14	Plates Foreground	215-255	Spikes
		000-000	No Function
		001-002	White (2700K)
		0003-004	White (3200K)
		005-006	White (4200K)

		007-008	White (5600K)
		009-010	White (8000K)
		011	Blue
			R: 0 G: 0
			B: 255 W: 0
		012-048	Green+/Blue
			R: 0 G: +
			B: 255 W: 0
		049	Cyan
			R: 0 G: 255
			B: 255 W: 0
		050-086	Green/Blue-
			R: 0 G: 255
			B: - W: 0
		087	Green
			R: 0 G: 255
			B: 0 W: 0
		088-124	Red+/Green
			R: + G: 255
			B: 0 W: 0
		125	Yellow
			R: 255 G: 255
			B: 0 W: 0
		126-162	Red/Green-
			R: 255 G: -
			B: 0 W: 0
		163	Red
			R: 255 G: 0
			B: 0 W: 0
		164-200	Red/Blue+
			R: 255 G: 0
			B: + W: 0
		201	Magenta
			R: 255 G: 0
			B: 255 W: 0
		202-238	Red-/Blue
			R: - G: 0
			B: 255 W: 0
		239	Blue
			R: 0 G: 0
			B: 255 W: 0
		240-247	Colour Index: Fast-Slow
		248-255	Colour Snap: Fast-Slow
15	Plates Foreground Dimmer	000-255	0-100%
16	Plates Background	000-000	No Function
		001-002	White (2700K)
		003-004	White (3200K)
		005-006	White (4200K)
		007-008	White (5600K)
		009-010	White (8000K)
		011	Blue
			R: 0 G: 0
			B: 255 W: 0
		012-048	Green+/Blue
			R: 0 G: +
			B: 255 W: 0
		049	Cyan
			R: 0 G: 255
			B: 255 W: 0

		050-086	Green/Blue- R: 0 B: -	G: 255 W: 0
		087	Green R: 0 B: 0	G: 255 W: 0
		088-124	Red+/Green R: + B: 0	G: 255 W: 0
		125	Yellow R: 255 B: 0	G: 255 W: 0
		126-162	Red/Green- R: 255 B: 0	G: - W: 0
		163	Red R: 255 B: 0	G: 0 W: 0
		164-200	Red/Blue+ R: 255 B: +	G: 0 W: 0
		201	Magenta R: 255 B: 255	G: 0 W: 0
		202-238	Red-/Blue R: - B: 255	G: 0 W: 0
		239	Blue R: 0 B: 255	G: 0 W: 0
		240-247	Colour Index: Fast-Slow	
		248-255	Colour Snap: Fast-Slow	
17	Plates Background Dimmer	000-255	0-100%	
18	Plates 1&2	000-002	Plate FX All Select (all on)	
	FX Select (See Pixel Mapping)	003-255	See Plate Patterns	
19	Plates 1&2 FX Movement Speed & Direction (See Pixel Mapping)	000-005	No Function	
		006-124	Left - Right, Fast - Slow	
		125-130	No Function	
		131-249	Right – Left, Slow - Fast	
		250-255	No Function	
20	Plates 1&2	000-002	Snap from cell to cell	
	FX Crossfade (See Pixel Mapping)	003-255	Fade Duration: Short - Long	
21	Beams 1&2	000-002	Plate FX All Select (all on) see Plate Patterns	
	FX Select (See Pixel Mapping)	003-255		
22	Beams 1&2 FX Movement Speed & Direction (See Pixel Mapping)	000-005	No Function	
		006-124	Left - Right, Fast - Slow	
		125-130	No Function	
		131-249	Right – Left, Slow - Fast	
		250-255	No Function	
23	Beams 1&2	000-002	Snap from cell to cell	
	FX Crossfade (See Pixel Mapping)	003-255	Fade Duration: Short - Long	
24	Control	000-005	No Function	
		006-010	Off (dimmer mode)	
		011-015	Dimmer 1	
		016-020	Dimmer 2	
		021-025	Dimmer 3	
		026-030	600 Hz	
		031-035	1200 Hz	
		036-040	2000 Hz	

	041-045	4000 Hz
	046-050	6000 Hz
	051-055	25000 Hz
	056-060	Fan Auto Mode
	061-065	Fan Mode On
	066-070	Tilt Reset
	071-075	Plate 1 Invert Off
	076-080	Plate 1 Invert On
	081-085	Plate 2 Invert Off
	086-090	Plate 2 Invert On
	091-095	Beam 1 Invert Off
	096-100	Beam1 Invert On
	101-105	Beam 2 Invert Off
	106-110	Beam 2 Invert On
	111-115	Plate Swap On
	116-120	Plate Swap Off
	121-125	Beam Swap On
	126-130	Beam Swap Off
	131-255	No Function

13 Channel Mode

Channel	Function	Value	Percent/Setting
1	Tilt	000-255	0-100%
2	Tilt Fine	000-255	0-100%
3	Plate Dimmer	000-255	0-100%
4	Beam Dimmer	000-255	0-100%
5	Plate Flash Duration	000-009	Classic shutter mode: disables duration control
		010-250	Slow - Fast
		251-255	100% On, No Flash/Strobe
6	Plate Flash Rate	000-009	100%
		010-250	Slow – Fast
		251-255	100%
7	Beam Flash Duration	000-009	Classic shutter mode: disables duration control
		010-250	Slow - Fast
		251-255	100% On, No Flash/Strobe
8	Beam Flash Rate	000-009	100%
		010-250	Slow – Fast
		251-255	100%
9	Plates Red	000-255	0-100%
10	Plates Green	000-255	0-100%
11	Plates Blue	000-255	0-100%
12	Beam FX	000-005	No Function
		006-042	Ramp Up
		043-085	Ramp Down
		086-128	Ramp Up-Down
		129-171	Random
		172-214	Lighting
13	Control	215-255	Spikes
		000-005	No Function
		006-010	Off (dimmer mode)
		011-015	Dimmer 1
		016-020	Dimmer 2
		021-025	Dimmer 3
		026-030	600 Hz
		031-035	1200 Hz
036-040	2000 Hz		

	041-045	4000 Hz
	046-050	6000 Hz
	051-055	25000 Hz
	056-060	Fan Auto Mode
	061-065	Fan Mode On
	066-070	Tilt Reset
	071-075	Plate 1 Invert Off
	076-080	Plate 1 Invert On
	081-085	Plate 2 Invert Off
	086-090	Plate 2 Invert On
	091-095	Beam 1 Invert Off
	096-100	Beam1 Invert On
	101-105	Beam 2 Invert Off
	106-110	Beam 2 Invert On
	111-115	Plate Swap On
	116-120	Plate Swap Off
	121-125	Beam Swap On
	126-130	Beam Swap Off
	131-255	No Function

11 Channel Mode

Channel	Function	Value	Percent/Setting
1	Tilt	000-255	0-100%
2	Tilt Fine	000-255	0-100%
3	Dimmer	000-255	0-100%
4	Plate Flash Duration	000-009	Classic shutter mode: disables duration control
		010-250	Slow - Fast
		251-255	100% On, No Flash/Strobe
5	Plate Flash Rate	000-009	100%
		010-250	Slow – Fast
		251-255	100%
6	Beam Flash Duration	000-009	Classic shutter mode: disables duration control
		010-250	Slow - Fast
		251-255	100% On, No Flash/Strobe
7	Beam Flash Rate	000-009	100%
		010-250	Slow – Fast
		251-255	100%
8	Plates Red	000-255	0-100%
9	Plates Green	000-255	0-100%
10	Plates Blue	000-255	0-100%
11	Beam	000-255	0-100%

8 Channel Mode

Channel	Function	Value	Percent/Setting
1	Tilt	000-255	0-100%
2	Tilt Fine	000-255	0-100%
3	Dimmer	000-255	0-100%
4	Strobe	000-009	Open
		010-079	Strobe: Slow - Fast
		080-149	Pulse: Slow - Fast
5	Red	000-255	0-100%
6	Green	000-255	0-100%
7	Blue	000-255	0-100%
8	Beam	000-255	0-100%

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

Technical Specifications

Photometrics

- Light Source:
 - RGB: 480x SMD5050 0.5W 3-in-1 LEDs
 - Strobe: 144x 5W White LEDs
- Beam Angle: 117°
- Output: 1,800 lux @ 5m
- LED Lifespan: 50,000 hours

Effects

- Dimming: 0~100%
- Strobe: 0.3-20 Hz

Movement

- 8 / 16 – bit movement
- Tilt: 270°

Power

- Input Voltage: 100~240V AC, 50/60 Hz
- Power Consumption: 1,000 W
- Connection: True1 in/out

Control

Protocol: DMX512

- Operation Modes: DMX, auto, manual, sound active, master/slave
- DMX Channels: 7/14/42
- Interface: 3-pin XLR in & out
- Display: 4-button 2.4-inch LCD control panel
- Cooling: Fan

Housing

- Materials: Metal & Flame retardant ABS
- Finishing: Matte black
- IP rating: IP65
- Net Weight: 12 kg

Warranty

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