LM19X30P

19x 30W RGBW Zoom Wash Head w/ Pixel Control

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.

Version: 1 (1 March 2022)

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.
- 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 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.

Link up to a maximum of 15A. Do NOT exceed this.

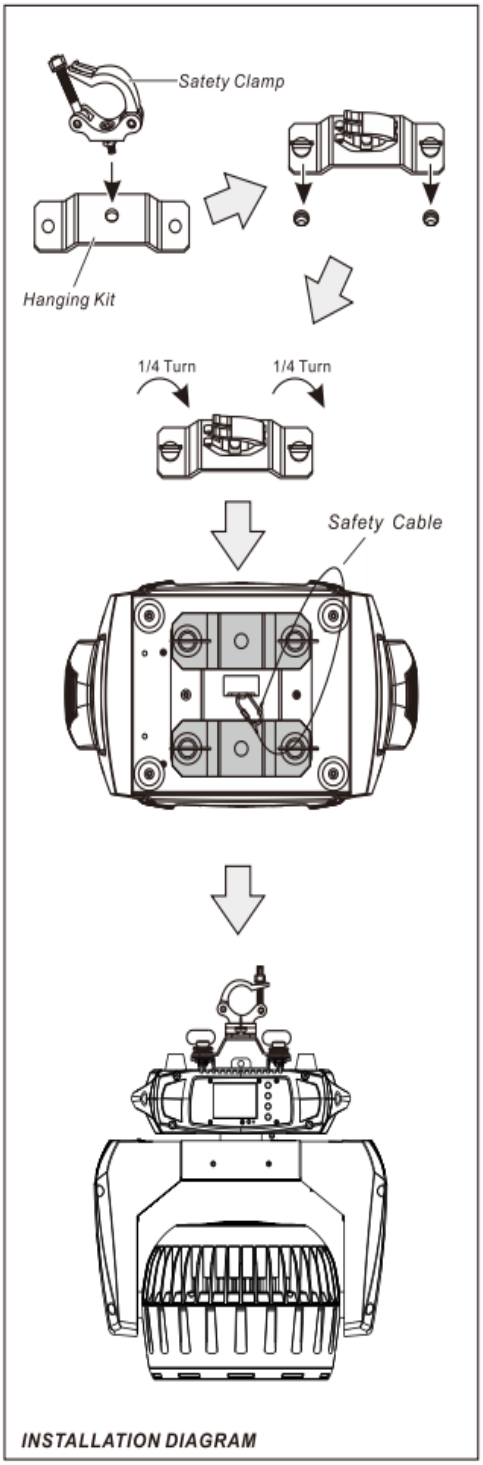
Fuse Replacement

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.

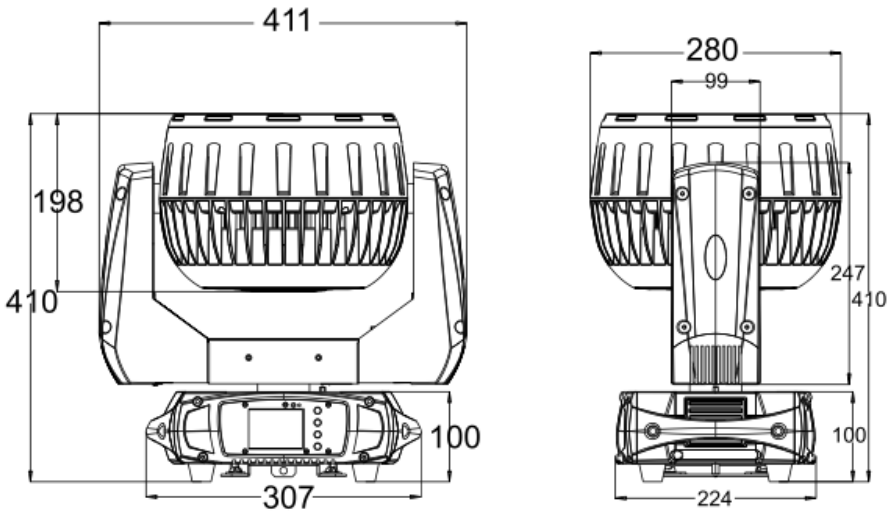
Procedure:
Step 1: Unscrew the fuse holder on the rear panel with a fitting screwdriver from the housing (anticlockwise).
Step 2: Remove the old fuse from the fuse holder.
Step 3: Install the new fuse in the fuse holder.
Step 4: Replace the fuse holder in the housing and fix it.

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.



Dimensions

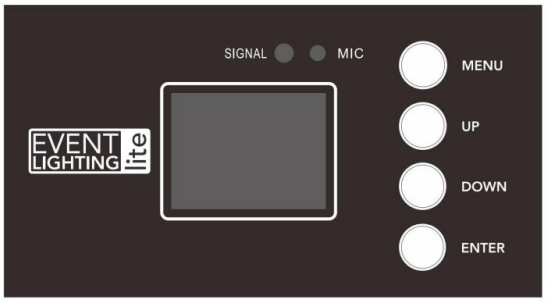


Lux Chart

Lux	@ 6°			
	1.0m	3.0m	5.0m	7.0m
	Ø0.1	Ø0.31	Ø0.52	Ø0.73
R	49,463	13,929	4,527	2,839
G	37,521	9,579	3,905	2,156
B	96,210	30,701	9,201	5,694
W	51,236	16,412	5,845	3,164
Full	200,000+	65,210	22,000	12,889

Lux	@ 60°			
	1.0m	3.0m	5.0m	7.0m
	Ø1.15	Ø3.46	Ø5.77	Ø8.08
R	6,582	676	283	113
G	5,239	526	196	95
B	13,204	1,504	612	254
W	7,901	889	315	157
Full	32,197	3,477	1,464	629

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

Level 1	Level 2	Value	Description
Function Mode	DMX Address	A001-A512	Set DMX address.
	Channel Mode	CH98 Mode	98 channel mode.
		CH22 Mode	22 channel mode.
		CH16 Mode	16 channel mode.
	Auto Run	Internal Program 1-8 l Master/Alone	Select Auto run program
	Music Control	Internal Program 1-8 l Master/Alone	Select Sound active program.
Option	Reset Default	Yes/No	Reset to factory defaults.
	Signal Set	Wire DMX	Use Wired DMX.
		Wireless DMX	Use Wireless DMX.
		Act WDMX & Out	Act WDMX & Out
	Pan/Tilt	Reverse Pan (On/Off)	Reverse pan movement.
		Reverse Tilt	Reverse tilt movement.
		Select Pan 540°/360°/630°	Pan movement range, default 540°.
		Select Tilt 270°/90°/180°	Tilt movement range, default 270°
	UI Set	Mic SEN 0-99%	Microphone sensitivity.
		OFF Signal Mode (On/Off)	Behaviour when DMX signal lost.
Information	Temperature	XXX °C/°F	Current temperature.
	Software Version	V X.X	Current software version.
Manual Control	Reset	Total Reset	Reset all.
		Pan/Tilt Reset	Reset pan/tilt
		Zoom Reset	Reset zoom.
	Channel	PAN = XXX	Control each channel manually.
Advanced	Calibration	PAN = XXX	Calibration (Access code: 088)

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, this device has three channel modes: 98/22/16, if it's set to 22 channel mode, and there are several fixtures need to be independently controlled, we just simply address first fixture at 1, and second fixture at 23, third one at 45, etc.

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

Mode/Channel			Min	Max	Description
98	22	16	DMX	DMX	
1	1	1	0	255	Pan
2	2	2	0	255	Pan-Fine
3	3	3	0	255	Tilt
4	4	4	0	255	Tilt-Fine
5	5	5	0	225	Pan/tilt speed, fast to slow.
			226	235	Blackout during pan/tilt movement.
			236	255	No function.
6	6	6	0	255	Master dimmer, 0-100%
7	7	7	0	31	Shutter closed.
			32	63	Shutter open.
			64	95	Strobe effect, slow to fast.
			96	127	Shutter open.
			128	159	Pulse effect in sequences, slow to fast.
			160	255	Shutter open.
8	8	8	0	255	Red dimmer, 0-100%
9	9	9	0	255	Green dimmer, 0-100%
10	10	10	0	255	Blue dimmer, 0-100%
11	11	11	0	255	White dimmer, 0-100%
12	12	12	0	255	Zoom, near to far.
13	13	13	0	0	No function.
			1	13	Virtual colour - red.
			14	27	Virtual colour - green.
			28	41	Virtual colour - blue.
			42	55	Virtual colour - white.
			56	69	Virtual colour - red + white.
			70	83	Virtual colour - green + white.
			84	97	Virtual colour - blue + white.
			98	111	Virtual colour - green + blue.
			112	125	Virtual colour - red + blue.

			126	139	Virtual colour - red + green.
			140	153	Virtual colour - green + blue + white.
			154	167	Virtual colour - red + blue + white.
			168	181	Virtual colour - red + green + blue.
			182	195	Virtual colour - red + green + blue + white.
			196	202	Virtual colour - 2700K.
			203	209	Virtual colour - 3200K.
			210	216	Virtual colour - 3500K.
			217	223	Virtual colour - 5000K.
			224	230	Virtual colour - 5500K.
			231	237	Virtual colour - 6000K.
			238	244	Virtual colour - 6500K.
			245	251	Virtual colour - 7000K.
			252	255	Virtual colour - 8000K.
14	14	14	0	15	No function.
			16	45	Colour temperature - below 3200K
			46	75	Colour temperature - 3200-3500K
			76	105	Colour temperature - 3500-5000K
			106	135	Colour temperature - 5000-5500K
			136	165	Colour temperature - 5500-6000K
			166	195	Colour temperature - 6000-6500K
			196	225	Colour temperature - 6500-7000K
			226	255	Colour temperature - 7000-8000K
15	15	15	0	15	No function.
			16	255	Tungsten Lamp effect, low to high.
16	16				**Foreground Colour for Patterns**
			0	0	No function.
			1	13	Red
			14	27	Green
			28	41	Blue
			42	55	White
			56	69	Red + White
			70	83	Green + White
			84	97	Blue + White
			98	111	Green + Blue
			112	125	Red + Blue
			126	139	Red + Green
			140	153	Green + Blue + White
			154	167	Red + Blue + White
			168	181	Red + Green + White
			182	195	Red + Blue + Green + White
			196	202	2700K

			203	209	3200K
			210	216	3500K
			217	223	5000K
			224	230	5500K
			231	237	6000K
			238	244	6500K
			245	251	7000K
			252	255	8000K
17	17		0	255	Foreground dimmer, 0-100%
18	18				**Background Colour for Patterns**
			0	0	No function.
			1	13	Red
			14	27	Green
			28	41	Blue
			42	55	White
			56	69	Red + White
			70	83	Green + White
			84	97	Blue + White
			98	111	Green + Blue
			112	125	Red + Blue
			126	139	Red + Green
			140	153	Green + Blue + White
			154	167	Red + Blue + White
			168	181	Red + Green + White
			182	195	Red + Blue + Green + White
			196	202	2700K
			203	209	3200K
			210	216	3500K
			217	223	5000K
			224	230	5500K
			231	237	6000K
			238	244	6500K
			245	251	7000K
			252	255	8000K
19	19		0	255	Background dimmer, 0-100%
20	20				**Patterns**
			0	15	No function.
			16	31	Static Patterns, see channel 21
			32	38	Dynamic Scene 1
			39	45	Dynamic Scene 2
			46	52	Dynamic Scene 3
			53	59	Dynamic Scene 4

			60	66	Dynamic Scene 5
			67	73	Dynamic Scene 6
			74	80	Dynamic Scene 7
			81	87	Dynamic Scene 8
			88	94	Dynamic Scene 9
			95	101	Dynamic Scene 10
			102	108	Dynamic Scene 11
			109	115	Dynamic Scene 12
			116	122	Dynamic Scene 13
			123	129	Dynamic Scene 14
			130	136	Dynamic Scene 15
			137	143	Dynamic Scene 16
			144	150	Dynamic Scene 17
			151	157	Dynamic Scene 18
			158	164	Dynamic Scene 19
			165	171	Dynamic Scene 20
			172	178	Dynamic Scene 21
			179	185	Dynamic Scene 22
			186	192	Dynamic Scene 23
			193	199	Dynamic Scene 24
			200	206	Dynamic Scene 25
			207	213	Dynamic Scene 26
			214	220	Dynamic Scene 27
			221	227	Dynamic Scene 28
			228	234	Dynamic Scene 29
			235	241	Dynamic Scene 30
			242	248	Dynamic Scene 31
			249	255	Dynamic Scene 32
21	21				**Channel 20 is 0-31: Static Patterns**
			0	7	Static Scene 1
			8	15	Static Scene 2
			16	23	Static Scene 3
			24	31	Static Scene 4
			32	39	Static Scene 5
			40	47	Static Scene 6
			48	55	Static Scene 7
			56	63	Static Scene 8
			64	71	Static Scene 9
			72	79	Static Scene 10
			80	87	Static Scene 11
			88	95	Static Scene 12
			96	103	Static Scene 13

			104	111	Static Scene 14
			112	119	Static Scene 15
			120	127	Static Scene 16
			128	135	Static Scene 17
			136	143	Static Scene 18
			144	151	Static Scene 19
			152	159	Static Scene 20
			160	167	Static Scene 21
			168	175	Static Scene 22
			176	183	Static Scene 23
			184	191	Static Scene 24
			192	199	Static Scene 25
			200	207	Static Scene 26
			208	215	Static Scene 27
			216	223	Static Scene 28
			224	231	Static Scene 29
			232	239	Static Scene 30
			240	247	Static Scene 31
			248	255	Static Scene 32
21	21				**Channel 20 is 32-255: Dynamic Pattern Speed**
			0	23	No function.
			24	137	Forward movement, slow to fast.
			138	141	Stop movement.
			142	255	Reverse movement, slow to fast.
22			0	255	Pixel 1 Red Saturation, 0-100%
23			0	255	Pixel 1 Green Saturation, 0-100%
24			0	255	Pixel 1 Blue Saturation, 0-100%
25			0	255	Pixel 1 White Saturation, 0-100%
26			0	255	Pixel 2 Red Saturation, 0-100%
27			0	255	Pixel 2 Green Saturation, 0-100%
28			0	255	Pixel 2 Blue Saturation, 0-100%
29			0	255	Pixel 2 White Saturation, 0-100%
…					
94			0	255	Pixel 19 Red Saturation, 0-100%
95			0	255	Pixel 19 Green Saturation, 0-100%
96			0	255	Pixel 19 Blue Saturation, 0-100%
97			0	255	Pixel 19 White Saturation, 0-100%
98	22	16	0	79	No function.
			80	89	Reset all motors.
			90	94	Reset scan motor.
			95	99	Reset focus motor.

			100	119	Internal program 1
			120	139	Internal program 2
			140	159	Internal program 3
			160	179	Internal program 4
			180	199	Internal program 5
			200	219	Internal program 6
			220	239	Internal program 7
			240	255	Internal sound program 1

Technical Specifications

Photometrics

- Light Source: 19x 30W RGBW LEDs
- Beam Angle: 6°-60°
- Output: 65,210 lux @ 3m @ 6°
- LED Lifespan: 50,000 hours

Effects

- Dimming: 0~100%, 16-bit
- Strobe: 1~25 Hz

Movement

- 8 / 16 – bit, Auto-reposition
- Pan: 360°/540°/630°
- Tilt: 90°/180°/270°

Power

- Input Voltage: 100~240V AC, 50/60 Hz
- Power Consumption: 637 W
- Connection: Powercon in/out
- Fuse: T2A, 250V

Control

- Protocol: DMX512
- Operation Modes: DMX, auto, manual, sound active, master/slave
- DMX Channels: 98/22/16
- 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: IP20
- Net Weight: 13.1 kg
- Rigging: 2x omega bracket with ¼ turn quick locks.

Warranty

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