

18*40W RGBW LED Moving Head Light



User Manual

This manual contains important information.
Please read before operating fixture.

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1. GETTING STARTED

What's In The Box?

- 1 x 18*40 fixture
- 1 x Power cable
- 1 x DMX signal cable
- 2 x Omega brackets

Getting It Out Of the Box

Congratulations on purchasing the Legend 380, an ultra-bright and durable, beam moving head fixture. Now that you've got your Legend 380, you should carefully unpack the box/case and check the contents to ensure that all parts are present and in good condition. If anything looks as if it has been damaged in transit, notify the shipper immediately and keep the packing material for inspection. Again, please save the carton and all packing materials.

Powering Up!

All fixtures must be powered directly off a switched circuit and cannot be run off a rheostat (variable resistor) or dimmer circuit, even if the rheostat or dimmer channel is used solely for a 0% to 100% switch.

Warning! All fixtures must be connected to circuits with proper grounding.

Getting A Hold Of Us

If something happens to go wrong, please feel free to contact us. Even though all fixtures go through a tedious testing process, products can still be damaged during shipping.

Disclaimer: The information and specifications contained in this document are subject to change without notice. We assume no responsibility or liability for any errors or omissions that may appear in this user manual.

We reserve the right to update the existing document or to create a new document to correct any errors or omissions at any time.

Safety Instructions



Please read the instructions carefully. They include important information about the installation, usage and maintenance of this product.

- Please keep this User manual for future use. Make sure all users of this product have read the user manual thoroughly.

- ALWAYS make sure that you are connecting to an outlet with the proper voltage, and that the line voltage you are connecting to is not higher than that stated on the decal or rear panel of the fixture.

- Make sure there are no flammable materials close to the unit while operating.

- The unit must be installed in a location with adequate ventilation, at least 20in (50cm) from any adjacent surfaces. Be sure that none of the ventilation slots are blocked prior to operating.

- ALWAYS disconnect from the power source before servicing.

- ALWAYS secure mounted fixtures with a safety cable. NEVER carry the fixture by its head. Use its carrying handles.

- DO NOT operate at ambient temperatures higher than 104°F (40°C).

- In the event of a serious operating problem, stop using the unit immediately. NEVER try to repair the unit by yourself. Repairs carried out by unskilled individuals can lead to further damage or malfunction. Please contact the nearest authorized service center.

- **NEVER connect the device to a dimmer pack.**

- **Make sure the power cord is never crimped or damaged.**

- **Never disconnect the power cord by pulling or tugging on the cord.**

- **Avoid direct eye exposure to the light source while it is on.**

Caution! There are no user serviceable parts inside the unit. Do not open the housing or attempt any repairs yourself.

2. MEET THE 1840

Main Features

Input voltage range: 100-240 V, 50/60 Hz

Power consumption: 720W

LED Source: 18x 40W RGBW LED multichip

Zoom: 3.72° - 56.52° two zone(9+9) Independent control

LED life expectancy: min. 20.000 hours

Dimmer: 0-100% liner dimmer

Strobe: Max 20Hz

Color mixing mode RGBW

Individual control of each RGBW pixel

Motorized zoom

Feature: LED point control,two zoom zone control,beam and wash effect

Tilt movement: 205°

16 bit movement resolution

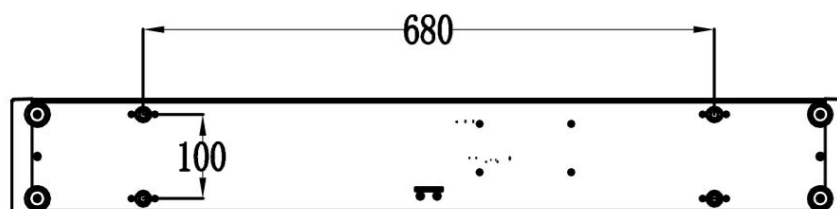
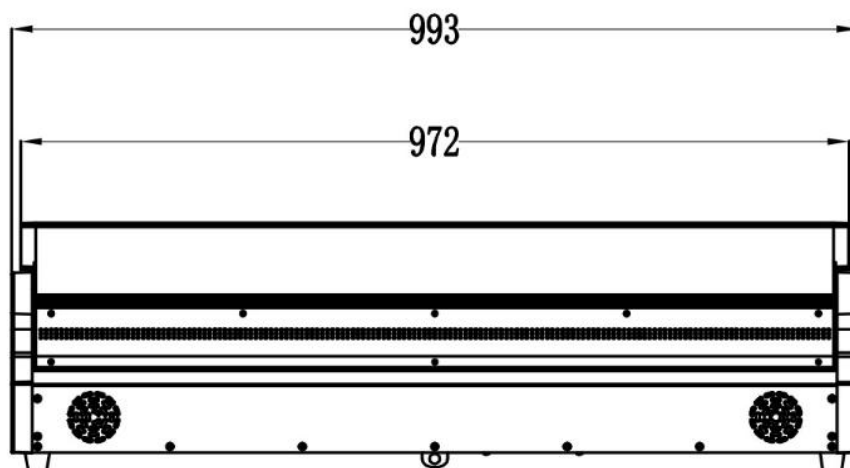
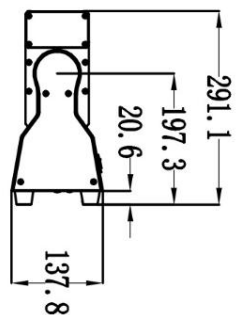
Display: LCD display

Product Dimensions:993x137.8x291.1mm

Control

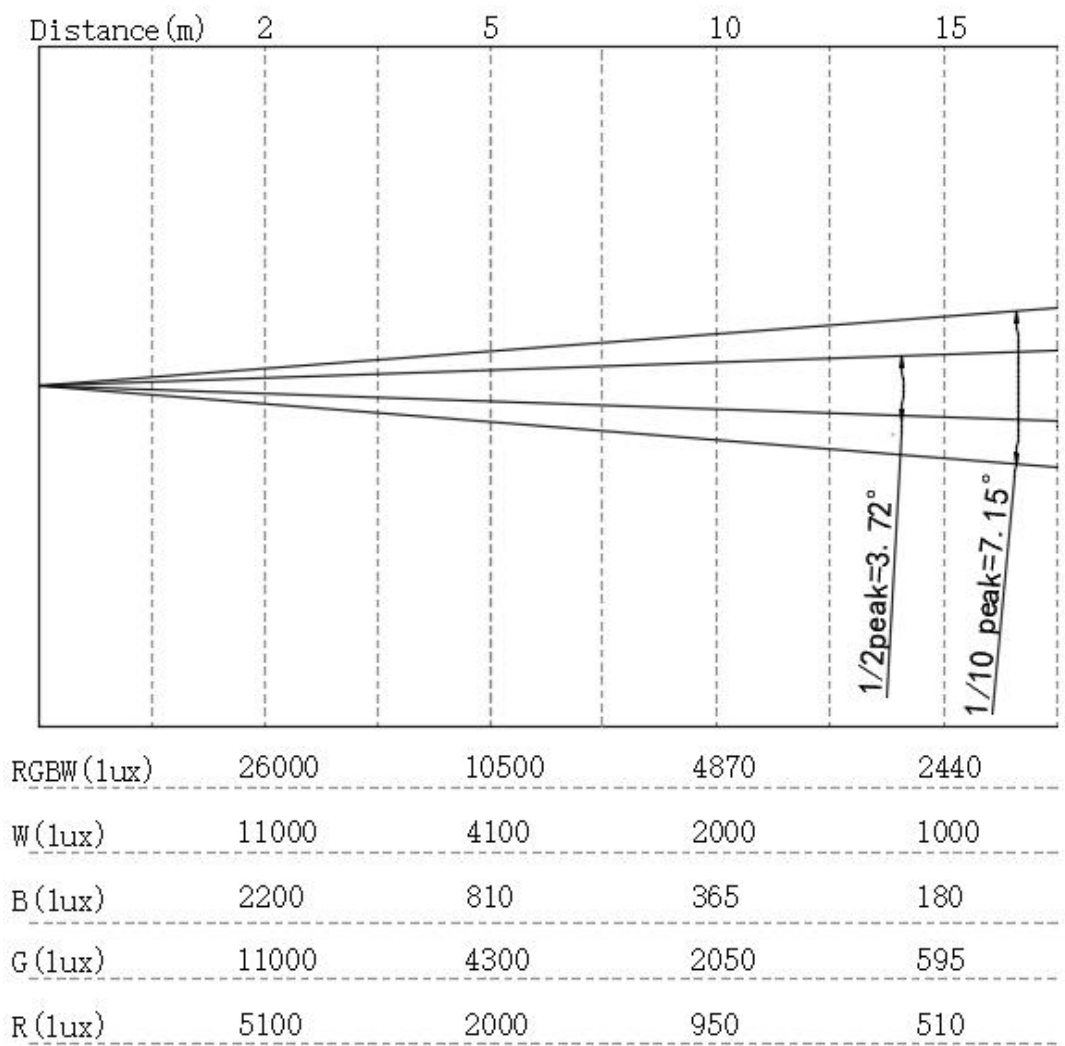
- Protocol: DMX-512
- DMX channels: 16CH/27CH/76CH/88CH
- Power in/out connector: True one in/out
- 5-pin XLR DMX input/output
- Easy-to-use 4-button control panel with LCD display
- Operating modes: DMX512, master/slave, auto, sound

Product Dimensions(mm):

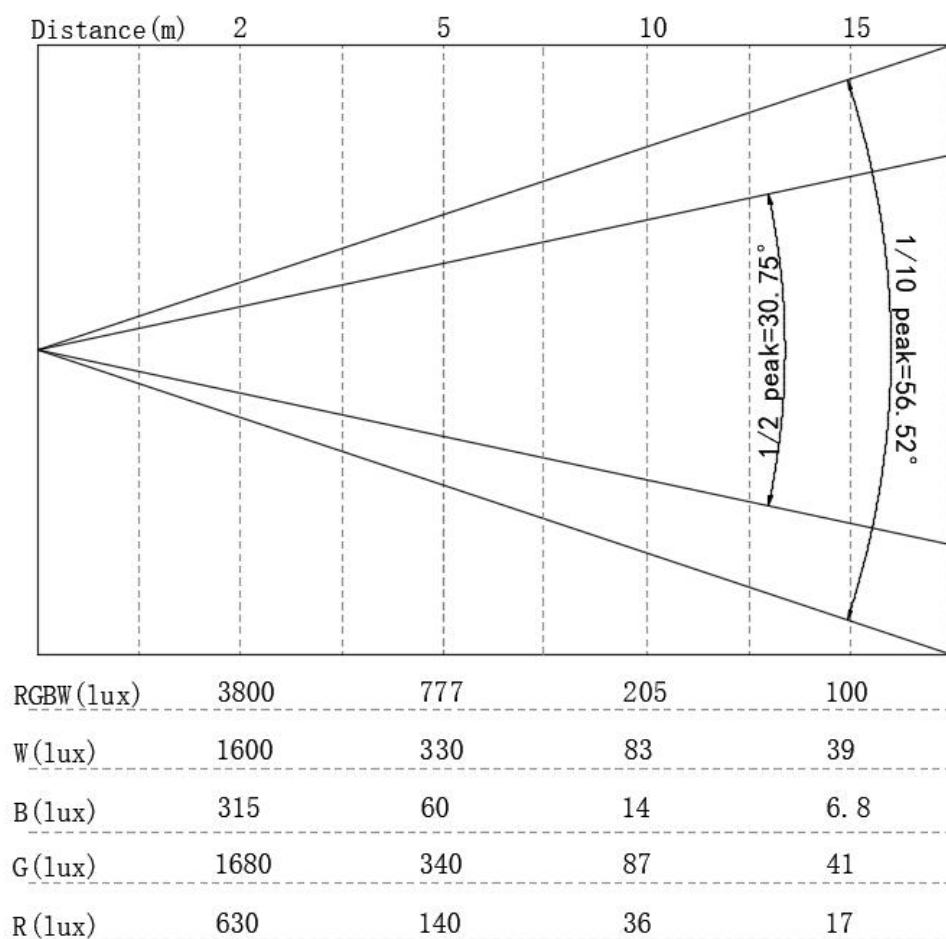


Illumination diagram:

Min Zoom:



Max Zoom:



DMX Channel Chart (16CH/27CH/76CH/88CH)

16CH

16CH		
Channel	DMX value	Function
1	0-255	Tilt movement 205°
2	0-255	Tilt Fine
3	0-255	Zoom1
4	0-255	Zoom2
5	0-255	Total Dimmer 0-100%
6	0-19	No Effect
	20-255	Strobe slow to fast
7	0-255	Red color 0-100%
8	0-255	Green color 0-100%
9	0-255	Blue color 0-100%
10	0-255	White color 0-100%

16CH		
Channel	DMX value	Function
11	0-10	No Function
	11-30	Red 100%,Green 0-100%,Blue 0
	31-50	Red 100%-0,Green 100%,Blue 0
	51-70	Red 0,Green 100%,Blue 0-100%
	71-90	Red 0,Green 100%-0,Blue 100%
	91-110	Red 0-100%,Green 0,Blue 100%
	111-130	Red 100%,Green 0,Blue 100%-0
	131-150	Red 100%,Green 0-100%,Blue 0-100%
	151-170	Red 100%-0,Green 100%-0,Blue 100%
	171-200	Red 100%,Green 100%,Blue 100%
	201-205	Macro color 1
	206-210	Macro color 2
	211-215	Macro color 3
	216-220	Macro color 4
	221-225	Macro color 5
	226-230	Macro color 6
	231-235	Macro color 7
	236-240	Macro color 8
	241-245	Macro color 9
	246-250	Macro color 10
	251-255	Macro color 11
12	0-255	Foreground Dimmer 0-100%
13	0-10	No Function
	11-255	Background Color select
14	0-255	Background Dimmer 0-100%
15	0-10	No Function
	11-15	Show 1
	16-20	Show 2
	21-25	Show 3
	26-30	Show 4
	31-35	Show 5
	36-40	Show 6
	41-45	Show 7
	46-50	Show 8
	51-55	Show 9
	56-60	Show 10
	61-65	Show 11
	66-70	Show 12
	71-75	Show 13

16CH		
Channel	DMX value	Function
	76-80	Show 14
	81-85	Show 15
	86-90	Show 16
	91-95	Show 17
	96-100	Show 18
	101-105	Show 19
	106-110	Show 20
	111-115	Show 21
	116-120	Show 22
	121-125	Show 23
	126-130	Show 24
	131-135	Show 25
	136-140	Show 26
	141-145	Show 27
	146-150	Show 28
	151-155	Show 29
	156-160	Show 30
	161-165	Show 31
	166-170	Show 32
	171-175	Show 33
	176-180	Show 34
	181-185	Show 35
	186-190	Show 36
	191-195	Show 37
	196-200	Show 38
	201-205	Show 39
	206-210	Show 40
	211-215	Show 41
	216-220	Show 42
	221-235	Show 43
	236-245	Sound1
	246-255	Sound2
16	0-127	Show Speed Slow to Fast (When Channel 15's show work, the fixture's tilt will move.)
	128-254	Show Speed Slow to Fast (When Channel 15's show work, the fixture's tilt will not move, the titl's position is still controlled by channel 1)
	255	Reset

27CH

27CH		
Channel	DMX value	Function
1	0-255	Tilt movement 205°
2	0-255	Tilt Fine
3	0-255	Zoom1
4	0-255	Zoom2
5	0-255	Total Dimmer 0-100%
6	0-19	No Effect
	20-255	Strobe slow to fast
7	Light 1 Color Select	
	0-10	No function
	11-25	Red color
	26-40	Green color
	41-55	Blue color
	56-70	White color
	71-85	Red color +Green color
	86-100	Red color +Blue color
	101-115	Green color +Blue color
	116-130	Red color +White color
	131-145	Green color +White color
	146-160	Blue color +White color
	161-175	Red color +Green color +White color
	176-190	Red color +Blue color +White color
	191-205	Green color +Blue color +White color
	206-255	Red color +Green color +Blue color +White color
8	Light 2 Color Select	
	0-10	No function
	11-25	Red color
	26-40	Green color
	41-55	Blue color
	56-70	White color
	71-85	Red color +Green color
	86-100	Red color +Blue color
	101-115	Green color +Blue color
	116-130	Red color +White color
	131-145	Green color +White color
	146-160	Blue color +White color
	161-175	Red color +Green color +White color
	176-190	Red color +Blue color +White color
	191-205	Green color +Blue color +White color

27CH		
Channel	DMX value	Function
	206-255	Red color +Green color +Blue color +White color
9	Light 3 Color Select	
	0-10	No function
	11-25	Red color
	26-40	Green color
	41-55	Blue color
	56-70	White color
	71-85	Red color +Green color
	86-100	Red color +Blue color
	101-115	Green color +Blue color
	116-130	Red color +White color
	131-145	Green color +White color
	146-160	Blue color +White color
	161-175	Red color +Green color +White color
	176-190	Red color +Blue color +White color
	191-205	Green color +Blue color +White color
	206-255	Red color +Green color +Blue color +White color
10	Light 4 Color Select	
	0-10	No function
	11-25	Red color
	26-40	Green color
	41-55	Blue color
	56-70	White color
	71-85	Red color +Green color
	86-100	Red color +Blue color
	101-115	Green color +Blue color
	116-130	Red color +White color
	131-145	Green color +White color
	146-160	Blue color +White color
	161-175	Red color +Green color +White color
	176-190	Red color +Blue color +White color
	191-205	Green color +Blue color +White color
	206-255	Red color +Green color +Blue color +White color
11	Light 5 Color Select	
	0-10	No function
	11-25	Red color
	26-40	Green color
	41-55	Blue color

27CH		
Channel	DMX value	Function
	56-70	White color
	71-85	Red color +Green color
	86-100	Red color +Blue color
	101-115	Green color +Blue color
	116-130	Red color +White color
	131-145	Green color +White color
	146-160	Blue color +White color
	161-175	Red color +Green color +White color
	176-190	Red color +Blue color +White color
	191-205	Green color +Blue color +White color
	206-255	Red color +Green color +Blue color +White color
12	Light 6 Color Select	
	0-10	No function
	11-25	Red color
	26-40	Green color
	41-55	Blue color
	56-70	White color
	71-85	Red color +Green color
	86-100	Red color +Blue color
	101-115	Green color +Blue color
	116-130	Red color +White color
	131-145	Green color +White color
	146-160	Blue color +White color
	161-175	Red color +Green color +White color
	176-190	Red color +Blue color +White color
	191-205	Green color +Blue color +White color
	206-255	Red color +Green color +Blue color +White color
13	Light 7 Color Select	
	0-10	No function
	11-25	Red color
	26-40	Green color
	41-55	Blue color
	56-70	White color
	71-85	Red color +Green color
	86-100	Red color +Blue color
	101-115	Green color +Blue color
	116-130	Red color +White color
	131-145	Green color +White color
	146-160	Blue color +White color

27CH		
Channel	DMX value	Function
	161-175	Red color +Green color +White color
	176-190	Red color +Blue color +White color
	191-205	Green color +Blue color +White color
	206-255	Red color +Green color +Blue color +White color
14	Light 8 Color Select	
	0-10	No function
	11-25	Red color
	26-40	Green color
	41-55	Blue color
	56-70	White color
	71-85	Red color +Green color
	86-100	Red color +Blue color
	101-115	Green color +Blue color
	116-130	Red color +White color
	131-145	Green color +White color
	146-160	Blue color +White color
	161-175	Red color +Green color +White color
	176-190	Red color +Blue color +White color
	191-205	Green color +Blue color +White color
	206-255	Red color +Green color +Blue color +White color
15	Light 9 Color Select	
	0-10	No function
	11-25	Red color
	26-40	Green color
	41-55	Blue color
	56-70	White color
	71-85	Red color +Green color
	86-100	Red color +Blue color
	101-115	Green color +Blue color
	116-130	Red color +White color
	131-145	Green color +White color
	146-160	Blue color +White color
	161-175	Red color +Green color +White color
	176-190	Red color +Blue color +White color
	191-205	Green color +Blue color +White color
	206-255	Red color +Green color +Blue color +White color
16	Light 10 Color Select	
	0-10	No function

27CH		
Channel	DMX value	Function
	11-25	Red color
	26-40	Green color
	41-55	Blue color
	56-70	White color
	71-85	Red color +Green color
	86-100	Red color +Blue color
	101-115	Green color +Blue color
	116-130	Red color +White color
	131-145	Green color +White color
	146-160	Blue color +White color
	161-175	Red color +Green color +White color
	176-190	Red color +Blue color +White color
	191-205	Green color +Blue color +White color
	206-255	Red color +Green color +Blue color +White color
17	Light 11 Color Select	
	0-10	No function
	11-25	Red color
	26-40	Green color
	41-55	Blue color
	56-70	White color
	71-85	Red color +Green color
	86-100	Red color +Blue color
	101-115	Green color +Blue color
	116-130	Red color +White color
	131-145	Green color +White color
	146-160	Blue color +White color
	161-175	Red color +Green color +White color
	176-190	Red color +Blue color +White color
	191-205	Green color +Blue color +White color
	206-255	Red color +Green color +Blue color +White color
18	Light 12 Color Select	
	0-10	No function
	11-25	Red color
	26-40	Green color
	41-55	Blue color
	56-70	White color
	71-85	Red color +Green color
	86-100	Red color +Blue color
	101-115	Green color +Blue color

27CH		
Channel	DMX value	Function
	116-130	Red color +White color
	131-145	Green color +White color
	146-160	Blue color +White color
	161-175	Red color +Green color +White color
	176-190	Red color +Blue color +White color
	191-205	Green color +Blue color +White color
	206-255	Red color +Green color +Blue color +White color
19	Light 13 Color Select	
	0-10	No function
	11-25	Red color
	26-40	Green color
	41-55	Blue color
	56-70	White color
	71-85	Red color +Green color
	86-100	Red color +Blue color
	101-115	Green color +Blue color
	116-130	Red color +White color
	131-145	Green color +White color
	146-160	Blue color +White color
	161-175	Red color +Green color +White color
	176-190	Red color +Blue color +White color
	191-205	Green color +Blue color +White color
	206-255	Red color +Green color +Blue color +White color
20	Light 14 Color Select	
	0-10	No function
	11-25	Red color
	26-40	Green color
	41-55	Blue color
	56-70	White color
	71-85	Red color +Green color
	86-100	Red color +Blue color
	101-115	Green color +Blue color
	116-130	Red color +White color
	131-145	Green color +White color
	146-160	Blue color +White color
	161-175	Red color +Green color +White color
	176-190	Red color +Blue color +White color
	191-205	Green color +Blue color +White color
	206-255	Red color +Green color +Blue color

27CH		
Channel	DMX value	Function
		+White color
21	Light 15 Color Select	
	0-10	No function
	11-25	Red color
	26-40	Green color
	41-55	Blue color
	56-70	White color
	71-85	Red color +Green color
	86-100	Red color +Blue color
	101-115	Green color +Blue color
	116-130	Red color +White color
	131-145	Green color +White color
	146-160	Blue color +White color
	161-175	Red color +Green color +White color
	176-190	Red color +Blue color +White color
	191-205	Green color +Blue color +White color
	206-255	Red color +Green color +Blue color +White color
22	Light 16 Color Select	
	0-10	No function
	11-25	Red color
	26-40	Green color
	41-55	Blue color
	56-70	White color
	71-85	Red color +Green color
	86-100	Red color +Blue color
	101-115	Green color +Blue color
	116-130	Red color +White color
	131-145	Green color +White color
	146-160	Blue color +White color
	161-175	Red color +Green color +White color
	176-190	Red color +Blue color +White color
	191-205	Green color +Blue color +White color
	206-255	Red color +Green color +Blue color +White color
23	Light 17 Color Select	
	0-10	No function
	11-25	Red color
	26-40	Green color
	41-55	Blue color
	56-70	White color

27CH		
Channel	DMX value	Function
	71-85	Red color +Green color
	86-100	Red color +Blue color
	101-115	Green color +Blue color
	116-130	Red color +White color
	131-145	Green color +White color
	146-160	Blue color +White color
	161-175	Red color +Green color +White color
	176-190	Red color +Blue color +White color
	191-205	Green color +Blue color +White color
	206-255	Red color +Green color +Blue color +White color
24	Light 18 Color Select	
	0-10	No function
	44160	Red color
	26-40	Green color
	41-55	Blue color
	56-70	White color
	71-85	Red color +Green color
	86-100	Red color +Blue color
	101-115	Green color +Blue color
	116-130	Red color +White color
	131-145	Green color +White color
	146-160	Blue color +White color
	161-175	Red color +Green color +White color
	176-190	Red color +Blue color +White color
	191-205	Green color +Blue color +White color
	206-255	Red color +Green color +Blue color +White color
25	0-255	Background Dimmer 0-100%
26	0-10	No Function
	11-15	Show 1
	16-20	Show 2
	21-25	Show 3
	26-30	Show 4
	31-35	Show 5
	36-40	Show 6
	41-45	Show 7
	46-50	Show 8
	51-55	Show 9
	56-60	Show 10
	61-65	Show 11

27CH		
Channel	DMX value	Function
	66-70	Show 12
	71-75	Show 13
	76-80	Show 14
	81-85	Show 15
	86-90	Show 16
	91-95	Show 17
	96-100	Show 18
	101-105	Show 19
	106-110	Show 20
	111-115	Show 21
	116-120	Show 22
	121-125	Show 23
	126-130	Show 24
	131-135	Show 25
	136-140	Show 26
	141-145	Show 27
	146-150	Show 28
	151-155	Show 29
	156-160	Show 30
	161-165	Show 31
	166-170	Show 32
	171-175	Show 33
	176-180	Show 34
	181-185	Show 35
	186-190	Show 36
	191-195	Show 37
	196-200	Show 38
	201-205	Show 39
	206-210	Show 40
	211-215	Show 41
	216-220	Show 42
	221-235	Show 43
	236-245	Sound1
	246-255	Sound2
27	0-127	Show Speed Slow to Fast (When Channel 15's show work, the fixture's tilt will move.)
	128-254	Show Speed Slow to Fast (When Channel 15's show work, the titl's position is still controlled by channel 1)

27CH		
Channel	DMX value	Function
	255	Reset

76CH

76CH		
Channel	DMX value	Function
1	0-255	Tilt movement 205°
2	0-255	Tilt Fine
3	0-255	Zoom1
4	0-255	Zoom2
5	0-255	Red color 1
6	0-255	Green color 1
7	0-255	Blue color 1
8	0-255	White color 1
9	0-255	Red color 2
10	0-255	Green color 2
11	0-255	Blue color 2
12	0-255	White color 2
13	0-255	Red color 3
14	0-255	Green color 3
15	0-255	Blue color 3
16	0-255	White color 3
17	0-255	Red color 4
18	0-255	Green color 4
19	0-255	Blue color 4
20	0-255	White color 4
21	0-255	Red color 5
22	0-255	Green color 5
23	0-255	Blue color 5
24	0-255	White color 5
25	0-255	Red color 6
26	0-255	Green color 6
27	0-255	Blue color 6
28	0-255	White color 6
29	0-255	Red color 7
30	0-255	Green color 7
31	0-255	Blue color 7
32	0-255	White color 7
33	0-255	Red color 8
34	0-255	Green color 8

76CH		
Channel	DMX value	Function
35	0-255	Blue color 8
36	0-255	White color 8
37	0-255	Red color 9
38	0-255	Green color 9
39	0-255	Blue color 9
40	0-255	White color 9
41	0-255	Red color 10
42	0-255	Green color 10
43	0-255	Blue color 10
44	0-255	White color 10
45	0-255	Red color 11
46	0-255	Green color 11
47	0-255	Blue color 11
48	0-255	White color 11
49	0-255	Red color 12
50	0-255	Green color 12
51	0-255	Blue color 12
52	0-255	White color 12
53	0-255	Red color 13
54	0-255	Green color 13
55	0-255	Blue color 13
56	0-255	White color 13
57	0-255	Red color 14
58	0-255	Green color 14
59	0-255	Blue color 14
60	0-255	White color 14
61	0-255	Red color 15
62	0-255	Green color 15
63	0-255	Blue color 15
64	0-255	White color 15
65	0-255	Red color 16
66	0-255	Green color 16
67	0-255	Blue color 16
68	0-255	White color 16
69	0-255	Red color 17
70	0-255	Green color 17
71	0-255	Blue color 17
72	0-255	White color 17
73	0-255	Red color 18
74	0-255	Green color 18
75	0-255	Blue color 18

76CH		
Channel	DMX value	Function
76	0-255	White color 18

88CH

88CH		
Channel	DMX value	Function
1	0-255	Tilt movement 205°
2	0-255	Tilt Fine
3	0-255	Zoom1
4	0-255	Zoom2
5	0-255	Total Dimmer 0-100%
6	0-19	No Effect
	20-255	Strobe slow to fast
7	0-255	Red color 0-100%
8	0-255	Green color 0-100%
9	0-255	Blue color 0-100%
10	0-255	White color 0-100%
11	0-10	No function
	11-30	Red color 100%,Green color 0-100%,Blue color 0
	31-50	Red color 100%-0,Green color 100%,Blue color 0
	51-70	Red color 0,Green color 100%,Blue color 0-100%
	71-90	Red color 0,Green color 100%-0,Blue color 100%
	91-110	Red color 0-100%,Green color 0,Blue color 100%
	111-130	Red color 100%,Green color 0,Blue color 100%-0
	131-150	Red color 100%,Green color 0-100%,Blue color 0-100%
	151-170	Red color 100%-0,Green color 100%-0,Blue color 100%
	171-200	Red color 100%,Green color 100%,Blue color 100%
	201-205	Macro color 1
	206-210	Macro color 2

88CH		
Channel	DMX value	Function
	211-215	Macro color 3
	216-220	Macro color 4
	221-225	Macro color 5
	226-230	Macro color 6
	231-235	Macro color 7
	236-240	Macro color 8
	241-245	Macro color 9
	246-250	Macro color 10
	251-255	Macro color 11
12	0-255	Foreground Dimmer 0-100%
13	0-10	No Function
	11-255	Background Color select
14	0-255	Background Dimmer 0-100%
15	0-10	No Function
	11-15	Show 1
	16-20	Show 2
	21-25	Show 3
	26-30	Show 4
	31-35	Show 5
	36-40	Show 6
	41-45	Show 7
	46-50	Show 8
	51-55	Show 9
	56-60	Show 10
	61-65	Show 11
	66-70	Show 12
	71-75	Show 13
	76-80	Show 14
	81-85	Show 15
	86-90	Show 16
	91-95	Show 17
	96-100	Show 18
	101-105	Show 19
	106-110	Show 20
	111-115	Show 21
	116-120	Show 22
	121-125	Show 23
	126-130	Show 24
	131-135	Show 25
	136-140	Show 26
	141-145	Show 27

88CH		
Channel	DMX value	Function
	146-150	Show 28
	151-155	Show 29
	156-160	Show 30
	161-165	Show 31
	166-170	Show 32
	171-175	Show 33
	176-180	Show 34
	181-185	Show 35
	186-190	Show 36
	191-195	Show 37
	196-200	Show 38
	201-205	Show 39
	206-210	Show 40
	211-215	Show 41
	216-220	Show 42
	221-235	Show 43
	236-245	Sound1
	246-255	Sound2
16	0-127	Show Speed Slow to Fast (When Channel 15's show work, the fixture's tilt will move.)
	128-254	Show Speed Slow to Fast (When Channel 15's show work, the fixture's tilt will not move, the titl's position still controlled by channel 1)
	255	Reset
17	0-255	Red color 1
18	0-255	Green color 1
19	0-255	Blue color 1
20	0-255	White color 1
21	0-255	Red color 2
22	0-255	Green color 2
23	0-255	Blue color 2
24	0-255	White color 2
25	0-255	Red color 3
26	0-255	Green color 3
27	0-255	Blue color 3
28	0-255	White color 3
29	0-255	Red color 4
30	0-255	Green color 4
31	0-255	Blue color 4

88CH		
Channel	DMX value	Function
32	0-255	White color 4
33	0-255	Red color 5
34	0-255	Green color 5
35	0-255	Blue color 5
36	0-255	White color 5
37	0-255	Red color 6
38	0-255	Green color 6
39	0-255	Blue color 6
40	0-255	White color 6
41	0-255	Red color 7
42	0-255	Green color 7
43	0-255	Blue color 7
44	0-255	White color 7
45	0-255	Red color 8
46	0-255	Green color 8
47	0-255	Blue color 8
48	0-255	White color 8
49	0-255	Red color 9
50	0-255	Green color 9
51	0-255	Blue color 9
52	0-255	White color 9
53	0-255	Red color 10
54	0-255	Green color 10
55	0-255	Blue color 10
56	0-255	White color 10
57	0-255	Red color 11
58	0-255	Green color 11
59	0-255	Blue color 11
60	0-255	White color 11
61	0-255	Red color 12
62	0-255	Green color 12
63	0-255	Blue color 12
64	0-255	White color 12
65	0-255	Red color 13
66	0-255	Green color 13
67	0-255	Blue color 13
68	0-255	White color 13
69	0-255	Red color 14
70	0-255	Green color 14
71	0-255	Blue color 14
72	0-255	White color 14

88CH		
Channel	DMX value	Function
73	0-255	Red color 15
74	0-255	Green color 15
75	0-255	Blue color 15
76	0-255	White color 15
77	0-255	Red color 16
78	0-255	Green color 16
79	0-255	Blue color 16
80	0-255	White color 16
81	0-255	Red color 17
82	0-255	Green color 17
83	0-255	Blue color 17
84	0-255	White color 17
85	0-255	Red color 18
86	0-255	Green color 18
87	0-255	Blue color 18
88	0-255	White color 18

1840 Pin-Up Picture

18*40W RGBW 4in1

Tilt:205°

5 buttons LCD display



5-pin XLR DMX
input/output

The Rear Connections



3. SETUP



Before replacing a fuse, disconnect the power cord.
ALWAYS replace with the same type and rating of fuse.

Fuse Replacement

The Legend 380 utilizes a high-output automatic switching power supply with an internal fuse. Under normal operating conditions, the fuse should not require replacement. The fuse is field replaceable, however it is an advanced procedure suited for qualified technicians. Should the fuse require replacement, please contact your local service center.

Connecting Multiple Fixtures

You will need a serial data link (DMX Cable) to control the fixtures in DMX Mode. To run built-in shows on two or more fixtures set to sync in master/slave operating mode. The combined number of channels available in each universe will determine how many fixtures you can link to each other via DMX cable.

Fixtures on a serial data link must be daisy chained in one single line or by using a DMX data distribution panel. Connecting more than 8 fixtures on one serial data link without the use of a DMX optically - isolated splitter may result in deterioration of the digital DMX signal. The maximum recommended cable-run distance is 500 meters (1640 ft). The maximum recommended number of fixtures on a single serial data link is 8 fixtures.

Data/DMX Cabling

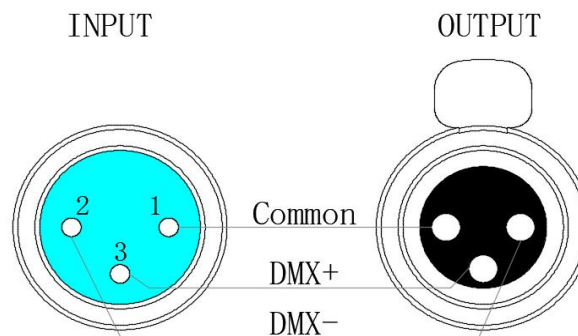
To link fixtures together you will need DMX data cables. You should use data-grade cables that can carry a high quality signal and are less prone to electromagnetic interference.

In any event, the cable should have the following characteristics:

- 2-conductor twisted pair plus a shield
- Maximum capacitance between conductors – 30 pF/ft.
- Maximum capacitance between conductor & shield – 55 pF/ft.
- Maximum resistance of 20 ohms / 1000 ft.
- Nominal impedance 100 – 140 ohms

Cable Connectors

Cables must have a male XLR connector on one end and a female XLR connector on the other end.



CAUTION: Do not allow contact between the common and the fixture's chassis ground. Grounding the common can cause a ground loop, and your fixture may perform erratically. Test cables with an ohm meter to verify correct polarity and to make sure the pins are not grounded or shorted to the shield or each other.

Take It To The Next Level: Setting Up DMX Control

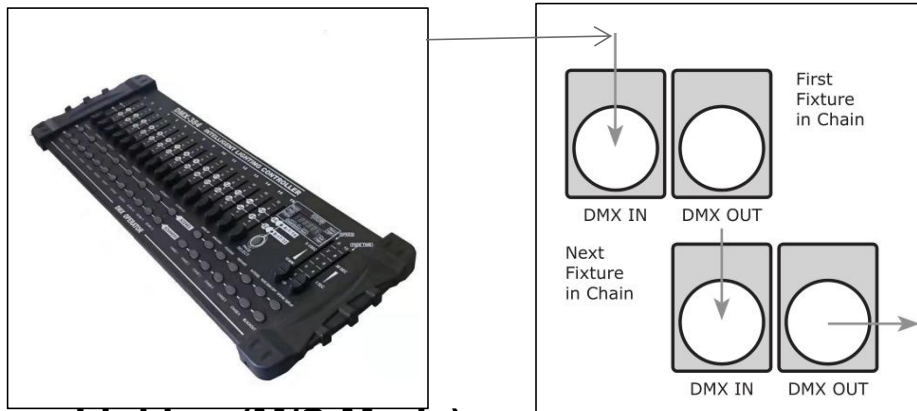
Step 1: Connect the male connector of the DMX cable to the female connector (output) on the controller.

Step 2: Connect the female connector of the DMX cable to the first fixture's male connector (input).

Note: It doesn't matter which fixture address is the first one connected. We recommend connecting the fixtures in terms of their proximity to the controller,

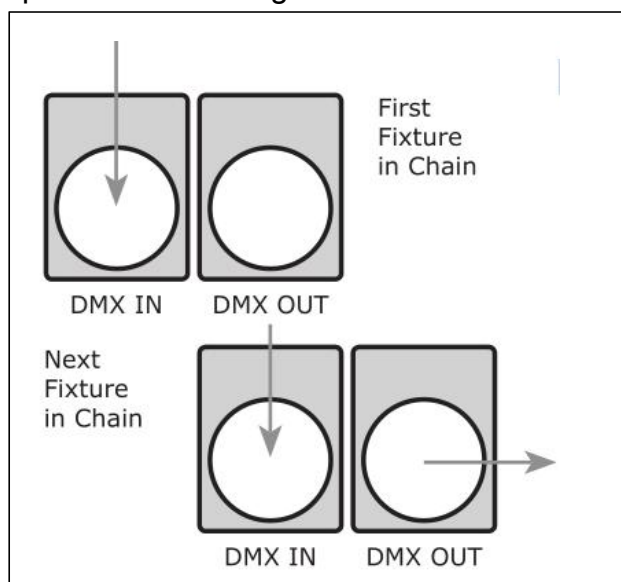
rather than connecting the lowest fixture number first, and so on.

Step 3: Connect other fixtures in the chain from output to input as above. Place a DMX terminator on the output of the final fixture to ensure best communication.



Fixture Linking (M/S Mode)

1. Connect the male connector side of the DMX cable to the output female connector of the first fixture.
2. Connect the end of the cable coming from the first fixture which will have a female connector to the input connector of the next fixture consisting of a male connector. Then, proceed to connect from the output as stated above to the input of the following fixture and so on.



NOTE: Often, the setup for Master-Slave and Standalone operation requires that the first fixture in the chain be initialized for this purpose via either setting in the control panel. Second, the fixtures that follow may also require a slave setting.

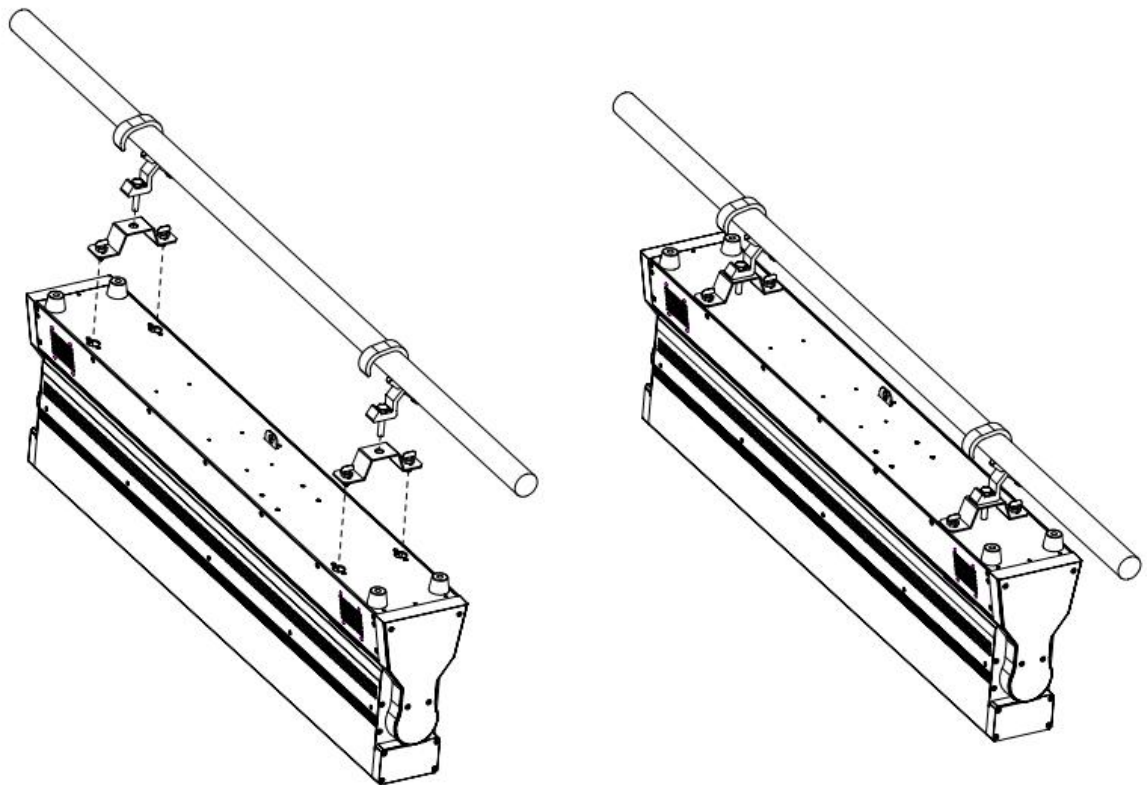
Check the “**Operating Adjustments**” section in this manual for complete instructions for this type of setup and configuration.

Mounting & Rigging

This fixture may be mounted in any SAFE position provided there is enough room for ventilation and rotation clearance. The fan or vents pathway must never be obstructed. The Legend 380 can be placed horizontally, diagonally or upside down. Pay attention to the installation method when slanted and upside down.

A mounting bracket assembly is provided that secures the bottom of the base, Omega bracket, and the safety cable rigging point together. When mounting to truss, be sure to secure an appropriately rated clamp to the omega bracket.

IMPORTANT: Regardless of the rigging option you choose for your fixtures, always be sure to secure your fixture with a safety cable.



Mount the fixture using a suitable "C" or "O" type clamps. The clamps should be rated to hold at least 10x the fixture's weight to ensure structural stability. Do not mount to surfaces of unknown strength, and ensure properly rated rigging is used when mounting fixtures overhead.

Overhead mounting requires extensive experience, which includes calculating working load limits, knowledge of the installation material being used, and periodic safety inspections. If you lack these qualifications, do not attempt the installation yourself. Improper installation can result in bodily injury.

4. OPERATING ADJUSTMENTS

The Control Panel

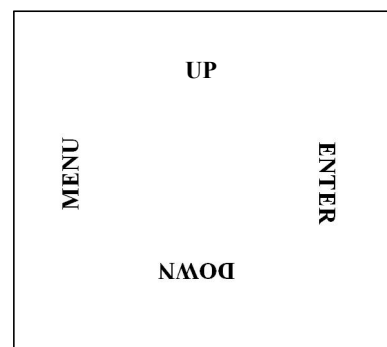
All of the features and modes possible with the Legend 380 can be accessed through the control panel on the front of the fixture. There are 4 control buttons next to the LED display, which allow you to navigate through the various control panel menus.

<MENU> Is used to navigate to the previous higher-level menu item.

<UP> Scrolls through menu items and numbers in ascending order.

<DOWN> Scrolls through menu items and numbers in descending order.

<ENTER> Is used to confirm and go to the options.



Pressing any button from the home screen will show the selectable menu items from the menu map on page #15. When a menu function is selected, the display will immediately show the first available option for the selected menu function. To select a menu item, press **<MENU>**.

Use the **<UP>** and **<DOWN>** buttons to navigate the menu options. Press the **<ENTER>** button to select the menu function currently displayed.

Control Panel Menu Structure

ADDRESS	001-512
RUN	DMX512
	Auto
	Sound
DMX MODE	16CH

	27CH	
	76CH	
	88CH	
TEST	ALL	
SET	Display	Yes
		No
	Signal Keep	Yes
		No
	Slave	Yes
		No
	English	Yes
		否
INFO	Version	V1.11
MANUAL	Tilt	000-255
	Zoom1	000-255
	Zoom2	000-255
	Red	000-255
	Green	000-255
	Blue	000-255
	White	000-255
	Strobe	000-020
RESET	Yes	
	No	

DMX Mode

Allows the unit to be controlled by any universal DMX controller.

Starting DMX Address

- 1.) Navigate the main menu until you reach DMX, and press the **<ENTER>** button.
- 2.) Then highlight Address, and press **<ENTER>**.
- 3.) Use the **<UP/DOWN>** buttons to select a starting DMX address ranging from 001-512, and press the **<ENTER>** button to confirm.

DMX Channel Mode

- 1.) Navigate the main menu until you reach DMX, and press the **<ENTER>** button.
- 2.) Then highlight Channel Mode, and press **<ENTER>**.
- 3.) Use the **<UP/DOWN>** buttons to select **Channel 16~88**, and press the **<ENTER>** button to confirm.

Run Mode

Run Mode

- 1.) Navigate the main menu until you reach Run, and press the **<ENTER>** button.
- 2.) Use the **<UP/DOWN>** buttons to highlight **Auto** , **Sound** ,**Slave**, and press the **<ENTER>** button.
- 3.) To stop an **Auto** or **Sound** program, use the **<UP/DOWN>** buttons to Highlight **Slave**, and press **<ENTER>**.

5. APPENDIX

Keeping Your 1840 As Good As New

The fixture you have purchased is a rugged, tough piece of pro lighting equipment, and as long as you take care of it, it will take care of you. That said, you would need to take care of it if you want it to operate as designed. You should keep the fixture clean, especially if you are using it in an environment with a lot of dust, fog, haze, or moisture.

Cleaning the optics routinely with a suitable glass cleaner will greatly improve the quality of light output. Keeping the fans free of dust and debris will keep the fixture running cool and prevent damage from overheating.

In transit, keep the fixtures in cases. Keeping the fixtures in cases during transport will avoid any damage. The case also has ample space for accessories to be transported with each fixture.

Shipping Issues

Damage incurred in shipping is the responsibility of the shipper, and must be reported to the carrier immediately upon receipt of the items. Claims must be made within two (2) days of receipt.

Tech Specs

Power	
Operating Voltage	100-240 V, 50/60 Hz
Power Consumption	720w
Light Source	
LED Source	18x 40W RGBW LED multichip
Main Feature	

Zoom angle	3.72°- 56.52° two zone(9+9) Independent control
Dimmer	0-100% liner dimmer
Strobe	Max 20Hz
Feature	LED point control,two zoom zone control,beam and wash effect
Movement Range	
Tilt	205° 16 bit movement resolution
Control	
Protocol	DMX-512
DMX Channels	Channel: 16CH/27CH/76CH/88CH
Input/output	5-pin XLR male/female
Other Operating Modes	DMX 512, Auto, Master-slave, Sound
Warranty	2-year limited warranty, does not cover malfunction caused by damage to LAMP.