

PIXEL LINE IP



USER MANUAL

KEEP THIS USER MANUAL FOR FUTURE NEEDS

Thank you for your patronage!

We are confident that our excellent products and service can satisfy you.

For your own safety, please read this user manual carefully before installing the device.

In order to install, operate, and maintain the lighting safety correctly.

We suggest that the installation and operation should be done by the verified technician and follow the instruction strictly.



CAUTION!

Keep this device away from rain and moisture!



CAUTION!

Unplug mains lead before device's installation, cleaning and maintenance!

Every person involved with the installation, operation and maintenance of this device has to:

-be qualified

-follow carefully the instructions of this manual

INTRODUCTION

Thank you for having chosen this professional moving head.

You will see you have acquired a powerful and versatile device.

Unpack the device. Inside the carton box you should find:

1. One power in cable
2. One 3 Pin DMX cable(5 Pin optional)
3. Two mounted brackets
4. One safety rope
5. One English user manual

(Flight case, Clamps are optional, please contact your dealer)

Please check carefully that there is no damage caused by transportation. Should there be any questions, please consult your dealer and don't install this device.

GENERAL GUIDELINES

This device is a lighting effect for a professional use on stages, TV, in discotheques, theaters, etc., The device was designed for indoor use only.

This fixture is only allowed to be operated with the max alternating current which stated in the technical specifications in 6th page of this manual.

Lighting effects are not designed for permanent operation. Consistent operation breaks may ensure that the device will serve you for a long time without defects.

Do not shake the device. Avoid brute force when installing or operating the device.

While choosing the installation-spot, please make sure that the device is not exposed to extreme heat, moisture or dust. Please don't project the beam onto combustible substances. The minimum distance between light-output from the projector and the illuminated surface must be more than 0,5 meter.

If you use the quick lock cam in hanging up the fixture, please make sure the quick lock fasteners turned in the quick lock holes correctly.

Operate the device only after having familiarized with its functions. Do not permit operation by persons not qualified for operating the device. Most damages are the result of unprofessional operation.

Please use the original packaging if the device is to be transported.

For safety reasons, please be aware that all modifications on the device are forbidden. If this device will be operated in any way different to the one described in this manual, the product may suffer damages and the guarantee becomes void. Furthermore, any other operation may lead to short-circuit, burns, electric shock, crash, etc.

SAFETY INSTRUCTIONS



CAUTION!

Be careful with your operations. With a dangerous voltage you can suffer a dangerous electric shock when touching wires!

This device has left the factory in perfect condition. In order to maintain this condition and to ensure a safe operation, it is absolutely necessary for the user to follow the safety instructions and warning notes written in this user manual.

1. In order to guarantee the product's life, please don't put it in the damp places or even the environment over 60degrees.
2. Always mount this unit in safe and stable matter.

The qualified professionals are allowed to carry out the lamp installation, operation and maintenance, but they must guarantee to operate in strict accordance with the instructions referred to.

▲ **Important:**

Damages caused by the disregard of this user manual are not subject to warranty. The dealer will not accept liability for any resulting defects or problems.

If the device has been exposed to temperature changes due to environmental changes, do not switch it on immediately. The arising condensation could damage the device. Leave the device switched off until it has reached room temperatures.

This device falls under protection-classI. Therefore it is essential that the device be earthed.

The electric connection must carry out by qualified person.

Make sure the power cord is never crimped or damaged by sharp edges. If this would be the case, replacement of the cable must be done by an authorized dealer.

Always disconnect from the mains, when the device is not in use or before cleaning it. Only handle the power cord by the plug. Never pull out the plug by tugging the power cord.

During initial start-up some smoke or smell may arise. This is a normal process and does not necessarily mean that the device is defective, it should decrease gradually.

Please don't project the beam onto combustible substances.

If the external flexible cable or cord of this luminaire is damaged, it shall be exclusively replaced by the manufacturer or his service agent or a similar qualified person in order to avoid a hazard.



CAUTION!

Never touch the device during operation!
The housing may heat up!



CAUTION!

Never look directly into the light source,
As sensitive persons may suffer an epileptic shock.

Please be aware that damages caused by manual modifications to be the device are not subject to warranty. Keep away from children and non-professionals.

CLEANING AND MAINTENANCE

1. To reduce the risk of electrical shock or fire, do not expose this unit to rain or moisture.
2. Do not spill water or other liquids into or on to your unit.
3. During long periods of non-use, disconnect the unit's main power.
4. It should be installed in a well-ventilated place, at a distance of 50 centimeters or more with the walls. At the same time, please check if the fan and ventilation holes are unobstructed.

The following points have to be considered during the inspection

- 1) All screws for installing the devices or parts of the device have to be tightly connected and must not be corroded.
- 2) There must not be any deformations on the housing. Fixations and installations spots(ceiling, suspension, trussing).
- 3) Mechanically moved parts must not show any traces of wearing and must not rotate with unbalances.
- 4) The electric power supply cables must not show any damage, material fatigue or sediments. Further instructions depending on the installation spot and usage have to be adhered by a skilled installer and any safety problems have to be removed.

**CAUTION!**

Disconnect from mains before starting maintenance operation!

In order to make the lights in good condition and extend the life time, we suggest a regular cleaning to the lights.

- 1) Clean the inside and outside lens each week to avoid the weakness of the lights due to accumulation of dust.
- 2) Clean the fan each week.
- 3) A detailed electric check by approved electrical engineer each three month, make sure that the circuit contacts are in good condition, prevent the poor contact of circuit from overheating.

We recommend a frequent cleaning of the device. Please use a moist, lint-free cloth. Never use alcohol or solvents !

Product Specification

Light Sources:

672 x 0.5W RGB LED

112 x 3W CW LED

Beam Angles:

RGB Beam Angle: 101 °

CW Beam Angle: 108°

Field Angles:

RGB Field Angle: 149°

CW Field Angle: 152°

Optical System:

Advanced optical design for seamless effects

SMART Glass technology for DMX controllable frost effects

Control:

4-Button touch panel Display: OLED display

Protocols: DMX512 , RDM, Art-Net, sACN

DMX Protocol modes: 1 1

Control channels: 7/15/21/39/112/17/33/65/68/117/70

Firmware Upgrade: Upgrade via DMX link

Electrical and Connectors:

Input Voltage Range: 100-240VAC, 50/60Hz

Power consumption: 420W

Power In/Out: Waterproof connections (TRUE1 type)

Data In/Out: Waterproof 3-pin or 5-pin XLR connectors Protection rating: IP66

Installation:

Horizontal or vertical mounting Universal operating position

2 , omega brackets (optional with 2 foldable fixed clamps) Safety cable mounting point

Included Items:

User Manual

Power Cable (with TRUE1 type connector)

2 Omega Brackets (optional with 2 x foldable fixed clamps)

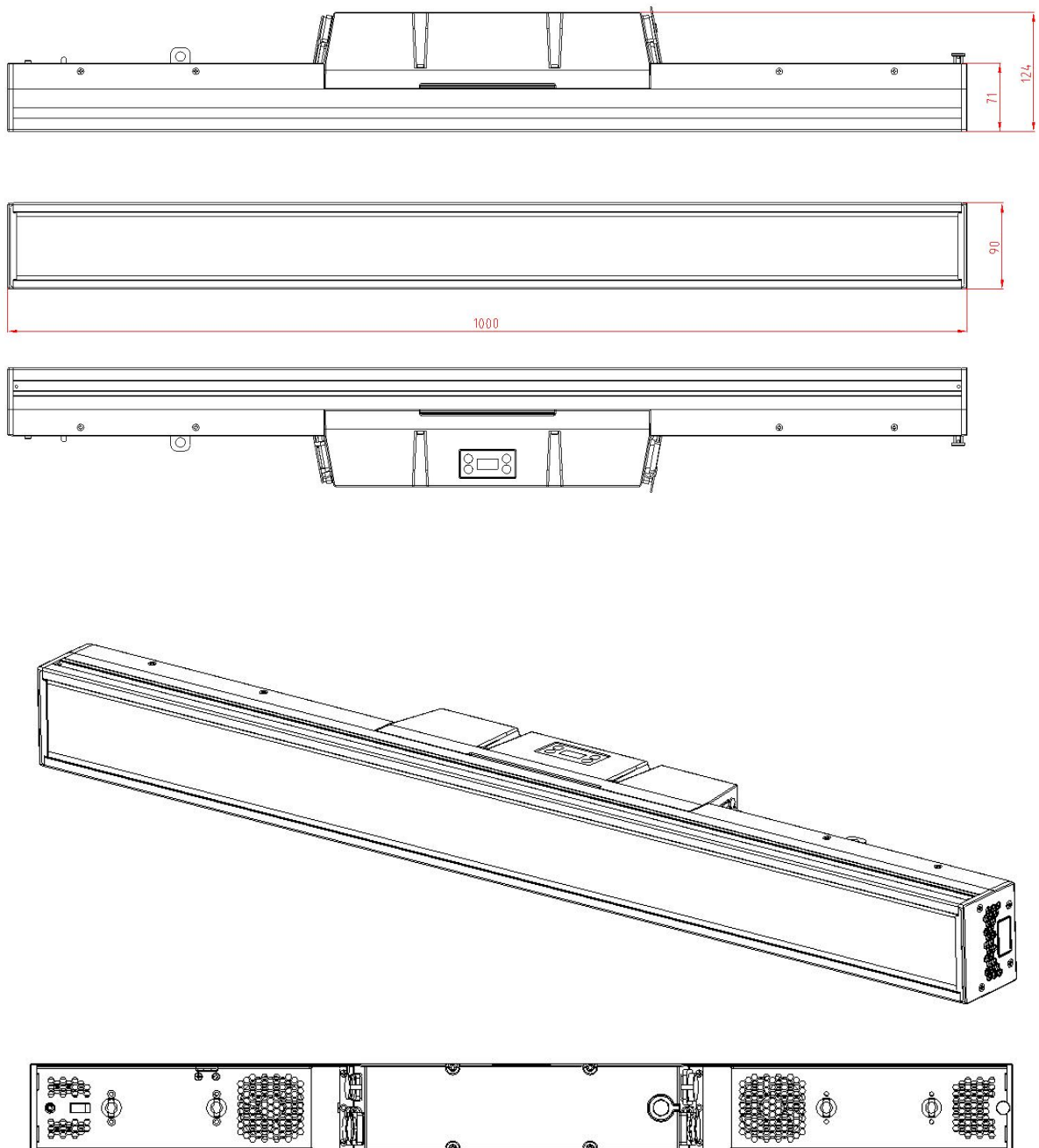
WEIGHT & SIZE

NW: 8.3kg(Not including clamps)

Carton box 1in1:108*19*24cm/ 10KG

Flight case 6in1:116*73*45cm /86KG

Fixture size: 100*124*90mm(L*W*H)



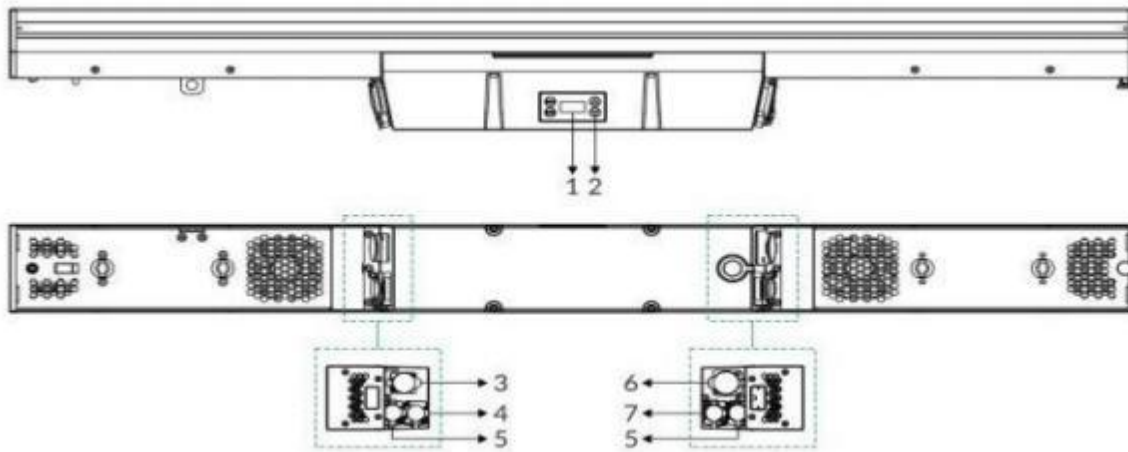
Signal Line Connection

The fixture features standard DMX input and output via 3-pin or 5-pin XLR sockets. Please use a shielded twisted pair signal line specially designed for DMX 512; the signal line is generally connected at a distance of 150 meters. When transmitting long-distance signals, a DMX512 signal amplifier must be added.

Use a shielded twisted pair signal cable to connect the DMX output port of the controller to the DMX input port of the first device, and connect the DMX output port of the first device to the DMX input port of the second device, and so on. Until all the lamps are connected, install a terminal plug on the output 3-pin

jack of the last connected lamp in each circuit. (Solder a 4/ 1 W , 120Ω resistor between pins 2 and 3 of the 3-pin XLR plug) .

Attention! The wires must not touch each other or the metal casing.



DMX signal connection

Panel Instruction

Diagram section: (Long press the menu button for 4-5 seconds to unlock)



MENU FUNCTION

First Level	Secondary Level	Third Level	
DMX Setting	DMX Address	001-512	Press and hold for about 10 seconds on the DMX address interface to enter the background
	Channel Mode	7 Channel 15 Channel 21 Channel 39 Channel 112 Channel 17 Channel 33 Channel 65 Channel 68 Channel 117 Channel 70 Channel	
	DMX Last State	Maintain Clear	
	Connect option	DMX Art-Net	
	Network	IP Address	xxx xxx xxx xxx
		SubMask	xxx xxx xxx xxx
		DMX region	000-255
Device Setting	Dimming Curve	Linear Square Inverse square S Curve	
	Dimming Speed	Fast (8BIT) Medium Slow	
	Pixel Seq Invert	YES NO	
Display Setting	Display Invert	OFF ON	
	Temperature Unit	C F	
Device Test	Auto Mode	OFF ON	
	Manual Mode	Red	000-255
		Green	000-255
		Blue	000-255
		White	000-255
		Dim	000-255
		Strobe	000-255
Information	LED Use Hour	XXX XXX	
	Temperature	C_Temp: XXX Max Temp: XXX	
	Fan State	Moved Stopped	
	Firmware Version	XXX XXX	
Special Function	Restore Factory	NO YES	

Background Function

(Press and hold for about 10 seconds on the DMX address interface to enter the background)

NO.	Display	Function Description
1	Red 020-255	Red current, (020-255) default value (235)
2	Green 020-255	Green current, (020-255) default value (235)
3	Blue 020-255	Blue current, (020-255) default value (235)
4	White 020-255	White current, (020-255) default value (235)
5	Power 050-255	Total power limit, (050-255) default value (255)
6	Temp Protect 40-70	Lamp body temperature setting, (40-70) default value (50) Note: The lamp body needs to be connected to a temperature control resistor before this function can take effect

7	Language	Chinese/English
8	Push	OFF/NO

CHANNEL LIST

7CH mode

Number	Channel Value	Function
1	000-255	Red 0%--100%
2	000-255	Green 0%--100%
3	000-255	Blue 0%--100%
4	000-255	White 0%--100%
5	000-255	Dimming 0%--100%
6	000-255	dimmer fine (Temporarily empty)
7	000-255	Atomized glass 0%--100% (128 or above is full fog)

15CH mode

Number	Channel Value	Function
1	000-255	Red 0%--100%
2	000-255	Green 0%--100%
3	000-255	Blue 0%--100%
4	000-255	White 0%--100%
5	001-008	Preset colors Color 1
	009-016	Color 2
	017-024	Color 3
	025-032	Color 4
	033-040	Color 5
	041-048	Color 6
	049-056	Color 7
	057-064	Color 8
	065-072	Color 9
	073-080	Color 10
	081-088	Color 11
	089-096	Color 12
	097-104	Color 13
	105-112	Color 14
	113-120	Color 15
	121-128	Color 16
	129-136	Color 17
	137-144	Color 18
	145-152	Color 19
	153-160	Color 20
	161-168	Color 21
	169-176	Color 22
	177-184	Color 23
	185-192	Color 24
	193-200	Color 25
	201-208	Color 26
	209-216	Color 27
	217-224	Color 28
	225-232	Color 29
	233-240	Color 30
	241-248	Color 31
	249-255	Color 32

6	000-255	Dimming 0%--100%
7	000-255	dimmer fine (Temporarily empty)
8	000-255	Strobe duration
9	000-005 006-255	Strobe rate No function From slow to fast
10	000-005 006-050 051-100 101-150 151-200 201-255	Strobe No function Slow opening and fast closing Quick opening and slow closing Slow opening and slow closing Lightning effects Random strobe (To be used in conjunction with the above flash duration and flash rate)
11	000-005 006-011 012-017 018-023 024-029 030-035 036-041 042-047 048-053 054-059 060-065 066-071 072-077 078-083 084-089 090-095 096-101 102-107 108-113 114-119 120-125 126-131 132-137 138-143 144-149 150-155 156-161 162-167 168-173 174-179 180-185 186-191 192-197 198-203 204-209 210-215 216-221 222-227 228-233 234-239 240-255	Built in effects (RGB) No function Effect 1 Effect 2 Effect 3 Effect 4 Effect 5 Effect 6 Effect 7 Effect 8 Effect 9 Effect 10 Effect 11 Effect 12 Effect 13 Effect 14 Effect 15 Effect 16 Effect 17 Effect 18 Effect 19 Effect 20 Effect 21 Effect 22 Effect 23 Effect 24 Effect 25 Effect 26 Effect 27 Effect 28 Effect 29 Effect 30 Effect 31 Effect 32 Effect 33 Effect 34 Effect 35 Effect 36 Effect 37 Effect 38 Effect 39 Effect 40 (To be used with RGB dimming, preset colors can be used as background colors)

12	000-005 006-030 031-055 056-080 081-105 106-130 131-155 151-180 181-205 206-255	Built in effects No function Effect 1 Effect 2 Effect 3 Effect 4 Effect 5 Effect 6 Effect 7 Effect 8 Effect 9 (To be used with W dimming, the preset color can be used as the background color)
13	000-127 128-255	Built in effect speed Forward, from slow to fast Reverse, from slow to fast
14	000-255	Fade out effect 0%--100%
15	000-255	Atomized glass 0%--100% (128 or above is full fog)

21CH mode

Number	Channel Value	Function
1	000-255	Red 0%--100%
2	000-255	Green 0%--100%
3	000-255	Blue 0%--100%
4	001-008 009-016 017-024 025-032 033-040 041-048 049-056 057-064 065-072 073-080 081-088 089-096 097-104 105-112 113-120 121-128 129-136 137-144 145-152 153-160 161-168 169-176 177-184 185-192 193-200 201-208 209-216 217-224 225-232 233-240 241-248 249-255	Preset colors Color 1 Color 2 Color 3 Color 4 Color 5 Color 6 Color 7 Color 8 Color 9 Color 10 Color 11 Color 12 Color 13 Color 14 Color 15 Color 16 Color 17 Color 18 Color 19 Color 20 Color 21 Color 22 Color 23 Color 24 Color 25 Color 26 Color 27 Color 28 Color 29 Color 30 Color 31 Color 32
5	000-255	Dimming (RGB) 0%--100%
6	000-255	dimmer fine (RGB) (Temporarily empty)

7	000-255	Strobe duration (RGB)
8	000-005 006-255	Strobe rate (RGB) No function From slow to fast
9	000-005 006-050 051-100 101-150 151-200 201-255	Strobe (RGB) No function Slow opening and fast closing Quick opening and slow closing Slow opening and slow closing Lightning effects Random strobe (To be used in conjunction with the above flash duration and flash rate)
10	000-005 006-011 012-017 018-023 024-029 030-035 036-041 042-047 048-053 054-059 060-065 066-071 072-077 078-083 084-089 090-095 096-101 102-107 108-113 114-119 120-125 126-131 132-137 138-143 144-149 150-155 156-161 162-167 168-173 174-179 180-185 186-191 192-197 198-203 204-209 210-215 216-221 222-227 228-233 234-239 240-255	Built in effects (RGB) No function Effect 1 Effect 2 Effect 3 Effect 4 Effect 5 Effect 6 Effect 7 Effect 8 Effect 9 Effect 10 Effect 11 Effect 12 Effect 13 Effect 14 Effect 15 Effect 16 Effect 17 Effect 18 Effect 19 Effect 20 Effect 21 Effect 22 Effect 23 Effect 24 Effect 25 Effect 26 Effect 27 Effect 28 Effect 29 Effect 30 Effect 31 Effect 32 Effect 33 Effect 34 Effect 35 Effect 36 Effect 37 Effect 38 Effect 39 Effect 40 (To be used with RGB dimming, preset colors can be used as background colors)
11	000-127 128-255	Built in effect speed (RGB) Forward, from slow to fast Reverse, from slow to fast
12	000-255	Fade out effect (RGB) 0%--100%
13	000-255	Dimming (W) 0%--100%
14	000-255	dimmer fine (W) (Temporarily empty)

15	000-255	Strobe duration (W)
16	000-005 006-255	Strobe rate (W) No function From slow to fast
17	000-005 006-050 051-100 101-150 151-200 201-255	Strobe (W) No function Slow opening and fast closing Quick opening and slow closing Slow opening and slow closing Lightning effects Random strobe (To be used in conjunction with the above flash duration and flash rate)
18	000-005 006-030 031-055 056-080 081-105 106-130 131-155 151-180 181-205 206-255	Built in effects No function Effect 1 Effect 2 Effect 3 Effect 4 Effect 5 Effect 6 Effect 7 Effect 8 Effect 9 (To be used with W dimming, the preset color can be used as the background color)
19	000-127 128-255	Built in effect speed (W) Forward, from slow to fast Reverse, from slow to fast
20	000-255	Fade out effect (W) 0%--100%
21	000-255	Atomized glass 0%--100% (128 or above is full fog)

39CH mode

Number	Channel Value	Function
1	000-255	Red1 0%--100%
2	000-255	Green1 0%--100%
3	000-255	Blue1 0%--100%
4	000-255	Red2 0%--100%
5	000-255	Green2 0%--100%
6	000-255	Blue2 0%--100%
7	000-255	Red3 0%--100%
8	000-255	Green3 0%--100%
9	000-255	Blue3 0%--100%
10	000-255	Red4 0%--100%
11	000-255	Green4 0%--100%
12	000-255	Blue4 0%--100%
13	000-255	Red5 0%--100%
14	000-255	Green5 0%--100%
15	000-255	Blue5 0%--100%
16	000-255	Red6 0%--100%
17	000-255	Green6 0%--100%
18	000-255	Blue6 0%--100%
19	000-255	Red7 0%--100%
20	000-255	Green7 0%--100%
21	000-255	Blue7 0%--100%

22	000-255	Red8 0%--100%
23	000-255	Green8 0%--100%
24	000-255	Blue8 0%--100%
25	000-255	Dimming (RGB) 0%--100%
26	000-255	dimmer fine (RGB) (Temporarily empty)
27	000-255	Strobe duration (RGB)
28	000-005 006-255	Strobe rate (RGB) No function From slow to fast
29	000-005 006-050 051-100 101-150 151-200 201-255	Strobe (RGB) No function Slow opening and fast closing Quick opening and slow closing Slow opening and slow closing Lightning effects Random strobe (To be used in conjunction with the above flash duration and flash rate)
30	000-255	White1 0%--100%
31	000-255	White2 0%--100%
32	000-255	White3 0%--100%
33	000-255	White4 0%--100%
34	000-255	Dimming (W) 0%--100%
35	000-255	dimmer fine (W) (Temporarily empty)
36	000-255	Strobe duration (W)
37	000-005 005-255	Strobe rate (W) No function From slow to fast
38	000-005 006-050 051-100 101-150 151-200 201-255	Strobe (W) No function Slow opening and fast closing Quick opening and slow closing Slow opening and slow closing Lightning effects Random strobe (To be used in conjunction with the above flash duration and flash rate)
39	000-255	Atomized glass 0%--100% (128 or above is full fog)

112CH mode

Number	Channel Value	Function
1	000-255	Red1 0%--100%
2	000-255	Green1 0%--100%
3	000-255	Blue1 0%--100%
4	000-255	Red2 0%--100%
5	000-255	Green2 0%--100%
6	000-255	Blue2 0%--100%
7	000-255	Red3 0%--100%
8	000-255	Green3 0%--100%
9	000-255	Blue3 0%--100%
10	000-255	Red4 0%--100%
11	000-255	Green4 0%--100%
12	000-255	Blue4 0%--100%
13	000-255	Red5 0%--100%
14	000-255	Green5 0%--100%

15	000-255	Blue5 0%--100%
16	000-255	Red6 0%--100%
17	000-255	Green6 0%--100%
18	000-255	Blue6 0%--100%
19	000-255	Red7 0%--100%
20	000-255	Green7 0%--100%
21	000-255	Blue7 0%--100%
22	000-255	Red8 0%--100%
23	000-255	Green8 0%--100%
24	000-255	Blue8 0%--100%
25	000-255	Red9 0%--100%
26	000-255	Green9 0%--100%
27	000-255	Blue9 0%--100%
28	000-255	Red10 0%--100%
29	000-255	Green10 0%--100%
30	000-255	Blue10 0%--100%
31	000-255	Red11 0%--100%
32	000-255	Green11 0%--100%
33	000-255	Blue11 0%--100%
34	000-255	Red12 0%--100%
35	000-255	Green12 0%--100%
36	000-255	Blue12 0%--100%
37	000-255	Red13 0%--100%
38	000-255	Green13 0%--100%
39	000-255	Blue13 0%--100%
40	000-255	Red14 0%--100%
41	000-255	Green14 0%--100%
42	000-255	Blue14 0%--100%
43	000-255	Red15 0%--100%
44	000-255	Green15 0%--100%
45	000-255	Blue15 0%--100%
46	000-255	Red16 0%--100%
47	000-255	Green16 0%--100%
48	000-255	Blue16 0%--100%
49	000-255	Red17 0%--100%
50	000-255	Green17 0%--100%
51	000-255	Blue17 0%--100%
52	000-255	Red18 0%--100%
53	000-255	Green18 0%--100%
54	000-255	Blue18 0%--100%
55	000-255	Red19 0%--100%
56	000-255	Green19 0%--100%
57	000-255	Blue19 0%--100%
58	000-255	Red20 0%--100%
59	000-255	Green20 0%--100%
60	000-255	Blue20 0%--100%
61	000-255	Red21 0%--100%
62	000-255	Green21 0%--100%
63	000-255	Blue21 0%--100%
64	000-255	Red22 0%--100%
65	000-255	Green22 0%--100%
66	000-255	Blue22 0%--100%
67	000-255	Red23 0%--100%

68	000-255	Green23 0%--100%
69	000-255	Blue23 0%--100%
70	000-255	Red24 0%--100%
71	000-255	Green24 0%--100%
72	000-255	Blue24 0%--100%
73	000-255	Red25 0%--100%
74	000-255	Green25 0%--100%
75	000-255	Blue25 0%--100%
76	000-255	Red26 0%--100%
77	000-255	Green26 0%--100%
78	000-255	Blue26 0%--100%
79	000-255	Red27 0%--100%
80	000-255	Green27 0%--100%
81	000-255	Blue27 0%--100%
82	000-255	Red28 0%--100%
83	000-255	Green28 0%--100%
84	000-255	Blue28 0%--100%
85	000-255	Red29 0%--100%
86	000-255	Green29 0%--100%
87	000-255	Blue29 0%--100%
88	000-255	Red30 0%--100%
89	000-255	Green30 0%--100%
90	000-255	Blue30 0%--100%
91	000-255	Red31 0%--100%
92	000-255	Green31 0%--100%
93	000-255	Blue31 0%--100%
94	000-255	Red32 0%--100%
95	000-255	Green32 0%--100%
96	000-255	Blue32 0%--100%
97	000-255	White1 0%--100%
98	000-255	White2 0%--100%
99	000-255	White3 0%--100%
100	000-255	White4 0%--100%
101	000-255	White5 0%--100%
102	000-255	White6 0%--100%
103	000-255	White7 0%--100%
104	000-255	White8 0%--100%
105	000-255	White9 0%--100%
106	000-255	White10 0%--100%
107	000-255	White11 0%--100%
108	000-255	White12 0%--100%
109	000-255	White13 0%--100%
110	000-255	White14 0%--100%
111	000-255	White15 0%--100%
112	000-255	White16 0%--100%

17CH mode

Number	Channel Value	Function
1	000-255	Red1 0%--100%
2	000-255	Green1 0%--100%
3	000-255	Blue1 0%--100%
4	000-255	Red2 0%--100%

5	000-255	Green2 0%--100%
6	000-255	Blue2 0%--100%
7	000-255	Red3 0%--100%
8	000-255	Green3 0%--100%
9	000-255	Blue3 0%--100%
10	000-255	Red4 0%--100%
11	000-255	Green4 0%--100%
12	000-255	Blue4 0%--100%
13	000-255	White1 0%--100%
14	000-255	White2 0%--100%
15	000-255	White3 0%--100%
16	000-255	White4 0%--100%
17	000-255	Atomized glass 0%--100% (128 or above is full fog)

33CH mode

Number	Channel Value	Function
1	000-255	Red1 0%--100%
2	000-255	Green1 0%--100%
3	000-255	Blue1 0%--100%
4	000-255	Red2 0%--100%
5	000-255	Green2 0%--100%
6	000-255	Blue2 0%--100%
7	000-255	Red3 0%--100%
8	000-255	Green3 0%--100%
9	000-255	Blue3 0%--100%
10	000-255	Red4 0%--100%
11	000-255	Green4 0%--100%
12	000-255	Blue4 0%--100%
13	000-255	Red5 0%--100%
14	000-255	Green5 0%--100%
15	000-255	Blue5 0%--100%
16	000-255	Red6 0%--100%
17	000-255	Green6 0%--100%
18	000-255	Blue6 0%--100%
19	000-255	Red7 0%--100%
20	000-255	Green7 0%--100%
21	000-255	Blue7 0%--100%
22	000-255	Red8 0%--100%
23	000-255	Green8 0%--100%
24	000-255	Blue8 0%--100%
25	000-255	White1 0%--100%
26	000-255	White2 0%--100%
27	000-255	White3 0%--100%
28	000-255	White4 0%--100%
29	000-255	White5 0%--100%
30	000-255	White6 0%--100%
31	000-255	White7 0%--100%
32	000-255	White8 0%--100%
33	000-255	Atomized glass 0%--100% (128 or above is full fog)

65CH mode

Number	Channel Value	Function
1	000-255	Red1 0%--100%
2	000-255	Green1 0%--100%
3	000-255	Blue1 0%--100%
4	000-255	Red2 0%--100%
5	000-255	Green2 0%--100%
6	000-255	Blue2 0%--100%
7	000-255	Red3 0%--100%
8	000-255	Green3 0%--100%
9	000-255	Blue3 0%--100%
10	000-255	Red4 0%--100%
11	000-255	Green4 0%--100%
12	000-255	Blue4 0%--100%
13	000-255	Red5 0%--100%
14	000-255	Green5 0%--100%
15	000-255	Blue5 0%--100%
16	000-255	Red6 0%--100%
17	000-255	Green6 0%--100%
18	000-255	Blue6 0%--100%
19	000-255	Red7 0%--100%
20	000-255	Green7 0%--100%
21	000-255	Blue7 0%--100%
22	000-255	Red8 0%--100%
23	000-255	Green8 0%--100%
24	000-255	Blue8 0%--100%
25	000-255	Red9 0%--100%
26	000-255	Green9 0%--100%
27	000-255	Blue9 0%--100%
28	000-255	Red10 0%--100%
29	000-255	Green10 0%--100%
30	000-255	Blue10 0%--100%
31	000-255	Red11 0%--100%
32	000-255	Green11 0%--100%
33	000-255	Blue11 0%--100%
34	000-255	Red12 0%--100%
35	000-255	Green12 0%--100%
36	000-255	Blue12 0%--100%
37	000-255	Red13 0%--100%
38	000-255	Green13 0%--100%
39	000-255	Blue14 0%--100%
40	000-255	Red14 0%--100%
41	000-255	Green14 0%--100%
42	000-255	Blue14 0%--100%
43	000-255	Red15 0%--100%
44	000-255	Green15 0%--100%
45	000-255	Blue15 0%--100%
46	000-255	Red16 0%--100%
47	000-255	Green16 0%--100%
48	000-255	Blue16 0%--100%
49	000-255	White1 0%--100%
50	000-255	White2 0%--100%
51	000-255	White3 0%--100%

52	000-255	White4 0%--100%
53	000-255	White5 0%--100%
54	000-255	White6 0%--100%
55	000-255	White7 0%--100%
56	000-255	White8 0%--100%
57	000-255	White9 0%--100%
58	000-255	White10 0%--100%
59	000-255	White11 0%--100%
60	000-255	White12 0%--100%
61	000-255	White13 0%--100%
62	000-255	White14 0%--100%
63	000-255	White15 0%--100%
64	000-255	White16 0%--100%
65	000-255	Atomized glass 0%--100% (128 or above is full fog)

68CH mode

Number	Channel Value	Function
1	000-255	Dimming 0%--100%
2	000-005 006-127 128-130 131-250 251-255	Strobe (RGB) No function Strobe, from slow to fast No function Random strobe No function
3	000-005 006-127 128-130 131-250 251-255	Strobe (W) No function Strobe, from slow to fast No function Random strobe No function
4	000-255	Atomized glass 0%--100% (128 or above is full fog)
5	000-255	Red1 0%--100%
6	000-255	Green1 0%--100%
7	000-255	Blue1 0%--100%
8	000-255	Red2 0%--100%
9	000-255	Green2 0%--100%
10	000-255	Blue2 0%--100%
11	000-255	Red3 0%--100%
12	000-255	Green3 0%--100%
13	000-255	Blue3 0%--100%
14	000-255	Red4 0%--100%
15	000-255	Green4 0%--100%
16	000-255	Blue4 0%--100%
17	000-255	Red5 0%--100%
18	000-255	Green5 0%--100%
19	000-255	Blue5 0%--100%
20	000-255	Red6 0%--100%
21	000-255	Green6 0%--100%
22	000-255	Blue6 0%--100%
23	000-255	Red7 0%--100%
24	000-255	Green7 0%--100%
25	000-255	Blue7 0%--100%

26	000-255	Red8 0%--100%
27	000-255	Green8 0%--100%
28	000-255	Blue8 0%--100%
29	000-255	Red9 0%--100%
30	000-255	Green9 0%--100%
31	000-255	Blue9 0%--100%
32	000-255	Red10 0%--100%
33	000-255	Green10 0%--100%
34	000-255	Blue10 0%--100%
35	000-255	Red11 0%--100%
36	000-255	Green11 0%--100%
37	000-255	Blue11 0%--100%
38	000-255	Red12 0%--100%
39	000-255	Green12 0%--100%
40	000-255	Blue12 0%--100%
41	000-255	Red13 0%--100%
42	000-255	Green13 0%--100%
43	000-255	Blue14 0%--100%
44	000-255	Red14 0%--100%
45	000-255	Green14 0%--100%
46	000-255	Blue14 0%--100%
47	000-255	Red15 0%--100%
48	000-255	Green15 0%--100%
49	000-255	Blue15 0%--100%
50	000-255	Red16 0%--100%
51	000-255	Green16 0%--100%
52	000-255	Blue16 0%--100%
53	000-255	White1 0%--100%
54	000-255	White2 0%--100%
55	000-255	White3 0%--100%
56	000-255	White4 0%--100%
57	000-255	White5 0%--100%
58	000-255	White6 0%--100%
59	000-255	White7 0%--100%
60	000-255	White8 0%--100%
61	000-255	White9 0%--100%
62	000-255	White10 0%--100%
63	000-255	White11 0%--100%
64	000-255	White12 0%--100%
65	000-255	White13 0%--100%
66	000-255	White14 0%--100%
67	000-255	White15 0%--100%
68	000-255	White16 0%--100%

117CH mode

Number	Channel Value	Function
1	000-255	Dimming 0%--100%
2	000-255	Strobe duration
3	000-005 006-255	Strobe rate No function From slow to fast

4	000-005 006-050 051-100 101-150 151-200 201-255	Strobe No function Slow opening and fast closing Quick opening and slow closing Slow opening and slow closing Lightning effects Random strobe (To be used in conjunction with the above flash duration and flash rate)
5	000-255	Atomized glass 0%--100% (128 or above is full fog)
6	000-255	Red1 0%--100%
7	000-255	Green1 0%--100%
8	000-255	Blue1 0%--100%
9	000-255	Red2 0%--100%
10	000-255	Green2 0%--100%
11	000-255	Blue2 0%--100%
12	000-255	Red3 0%--100%
13	000-255	Green3 0%--100%
14	000-255	Blue3 0%--100%
15	000-255	Red4 0%--100%
16	000-255	Green4 0%--100%
17	000-255	Blue4 0%--100%
18	000-255	Red5 0%--100%
19	000-255	Green5 0%--100%
20	000-255	Blue5 0%--100%
21	000-255	Red6 0%--100%
22	000-255	Green6 0%--100%
23	000-255	Blue6 0%--100%
24	000-255	Red7 0%--100%
25	000-255	Green7 0%--100%
26	000-255	Blue7 0%--100%
27	000-255	Red8 0%--100%
28	000-255	Green8 0%--100%
29	000-255	Blue8 0%--100%
30	000-255	Red9 0%--100%
31	000-255	Green9 0%--100%
32	000-255	Blue9 0%--100%
33	000-255	Red10 0%--100%
34	000-255	Green10 0%--100%
35	000-255	Blue10 0%--100%
36	000-255	Red11 0%--100%
37	000-255	Green11 0%--100%
38	000-255	Blue11 0%--100%
39	000-255	Red12 0%--100%
40	000-255	Green12 0%--100%
41	000-255	Blue12 0%--100%
42	000-255	Red13 0%--100%
43	000-255	Green13 0%--100%
44	000-255	Blue14 0%--100%
45	000-255	Red14 0%--100%
46	000-255	Green14 0%--100%
47	000-255	Blue14 0%--100%
48	000-255	Red15 0%--100%
49	000-255	Green15 0%--100%

50	000-255	Blue15 0%--100%
51	000-255	Red16 0%--100%
52	000-255	Green16 0%--100%
53	000-255	Blue16 0%--100%
54	000-255	Red17 0%--100%
55	000-255	Green17 0%--100%
56	000-255	Blue17 0%--100%
57	000-255	Red18 0%--100%
58	000-255	Green18 0%--100%
59	000-255	Blue18 0%--100%
60	000-255	Red19 0%--100%
61	000-255	Green19 0%--100%
62	000-255	Blue19 0%--100%
63	000-255	Red20 0%--100%
64	000-255	Green20 0%--100%
65	000-255	Blue20 0%--100%
66	000-255	Red21 0%--100%
67	000-255	Green21 0%--100%
68	000-255	Blue21 0%--100%
69	000-255	Red22 0%--100%
70	000-255	Green22 0%--100%
71	000-255	Blue22 0%--100%
72	000-255	Red23 0%--100%
73	000-255	Green23 0%--100%
74	000-255	Blue23 0%--100%
75	000-255	Red24 0%--100%
76	000-255	Green24 0%--100%
77	000-255	Blue24 0%--100%
78	000-255	Red25 0%--100%
79	000-255	Green25 0%--100%
80	000-255	Blue25 0%--100%
81	000-255	Red26 0%--100%
82	000-255	Green26 0%--100%
83	000-255	Blue26 0%--100%
84	000-255	Red27 0%--100%
85	000-255	Green27 0%--100%
86	000-255	Blue27 0%--100%
87	000-255	Red28 0%--100%
88	000-255	Green28 0%--100%
89	000-255	Blue28 0%--100%
90	000-255	Red29 0%--100%
91	000-255	Green29 0%--100%
92	000-255	Blue29 0%--100%
93	000-255	Red30 0%--100%
94	000-255	Green30 0%--100%
95	000-255	Blue30 0%--100%
96	000-255	Red31 0%--100%
97	000-255	Green31 0%--100%
98	000-255	Blue31 0%--100%
99	000-255	Red32 0%--100%
100	000-255	Green32 0%--100%
101	000-255	Blue32 0%--100%
102	000-255	White1 0%--100%

103	000-255	White2 0%--100%
104	000-255	White3 0%--100%
105	000-255	White4 0%--100%
106	000-255	White5 0%--100%
107	000-255	White6 0%--100%
108	000-255	White7 0%--100%
109	000-255	White8 0%--100%
110	000-255	White9 0%--100%
111	000-255	White10 0%--100%
112	000-255	White11 0%--100%
113	000-255	White12 0%--100%
114	000-255	White13 0%--100%
115	000-255	White14 0%--100%
116	000-255	White15 0%--100%
117	000-255	White16 0%--100%

70CH mode

Number	Channel Value	Function
1	000-255	Dimming 0%--100%
2	000-005 006-127 128-130 131-250 251-255	Strobe (RGB) No function Strobe, from slow to fast No function Random strobe No function
3	000-005 006-127 128-130 131-250 251-255	Strobe (W) No function Strobe, from slow to fast No function Random strobe No function
4	000-255	Atomized glass 0%--100% (128 or above is full fog)
5	000-255	Red1 0%--100%
6	000-255	Green1 0%--100%
7	000-255	Blue1 0%--100%
8	000-255	Red2 0%--100%
9	000-255	Green2 0%--100%
10	000-255	Blue2 0%--100%
11	000-255	Red3 0%--100%
12	000-255	Green3 0%--100%
13	000-255	Blue3 0%--100%
14	000-255	Red4 0%--100%
15	000-255	Green4 0%--100%
16	000-255	Blue4 0%--100%
17	000-255	Red5 0%--100%
18	000-255	Green5 0%--100%
19	000-255	Blue5 0%--100%
20	000-255	Red6 0%--100%
21	000-255	Green6 0%--100%
22	000-255	Blue6 0%--100%
23	000-255	Red7 0%--100%
24	000-255	Green7 0%--100%
25	000-255	Blue7 0%--100%

26	000-255	Red8 0%--100%
27	000-255	Green8 0%--100%
28	000-255	Blue8 0%--100%
29	000-255	Red9 0%--100%
30	000-255	Green9 0%--100%
31	000-255	Blue9 0%--100%
32	000-255	Red10 0%--100%
33	000-255	Green10 0%--100%
34	000-255	Blue10 0%--100%
35	000-255	Red11 0%--100%
36	000-255	Green11 0%--100%
37	000-255	Blue11 0%--100%
38	000-255	Red12 0%--100%
39	000-255	Green12 0%--100%
40	000-255	Blue12 0%--100%
41	000-255	Red13 0%--100%
42	000-255	Green13 0%--100%
43	000-255	Blue14 0%--100%
44	000-255	Red14 0%--100%
45	000-255	Green14 0%--100%
46	000-255	Blue14 0%--100%
47	000-255	Red15 0%--100%
48	000-255	Green15 0%--100%
49	000-255	Blue15 0%--100%
50	000-255	Red16 0%--100%
51	000-255	Green16 0%--100%
52	000-255	Blue16 0%--100%
53	000-255	White1 0%--100%
54	000-255	White2 0%--100%
55	000-255	White3 0%--100%
56	000-255	White4 0%--100%
57	000-255	White5 0%--100%
58	000-255	White6 0%--100%
59	000-255	White7 0%--100%
60	000-255	White8 0%--100%
61	000-255	White9 0%--100%
62	000-255	White10 0%--100%
63	000-255	White11 0%--100%
64	000-255	White12 0%--100%
65	000-255	White13 0%--100%
66	000-255	White14 0%--100%
67	000-255	White15 0%--100%
68	000-255	White16 0%--100%
69	000-255	Fade out effect (RGB) 0%--100%
70	000-255	Fade out effect (W) 0%--100%

LED PIXEL ZONES:

39-channel (RGB)

1	2	3	4
5	6	7	8

39-channel (W)

1	2	3	4
---	---	---	---

112/117-channel (RGB)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32

112/117-channel (W)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----

17-channel (RGB)

1	2	3	4
---	---	---	---

17-channel (W)

1	2	3	4
---	---	---	---

33-channel (RGB)

1	2	3	4	5	6	7	8
---	---	---	---	---	---	---	---

33-channel (W)

1	2	3	4	5	6	7	8
---	---	---	---	---	---	---	---

65/68/70-channel (RGB)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----

65/68/70-channel (W)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----

REMARK

The product has perfect performance and integrity packing. All users should be strictly comply with the warning

and operating instructions as stated. Or we aren't in charge of any result by misusing.

Any damage resulting by misuse is not within the Company's warranty.

Any fault or problem caused by neglecting the manual is also not in the charge of dealers.

Errors and omissions for every information given in this manual excepted.

All information is subject to change without prior notice.

Thank you again for your patronage!
We will be offering sincere service as always,
Wish you have a good lighting journey!