LED Super Beam Pixel Zoom Bar moving head light

5pcs 120W RGBL 4-in-1 LED
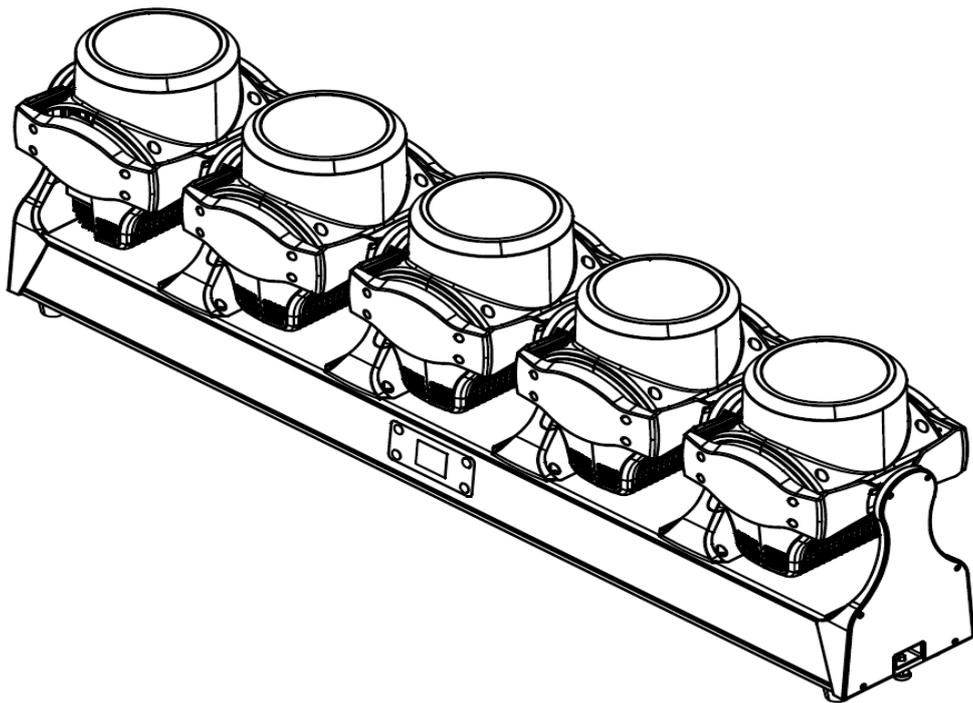
CE F ⏚ IP20 LED ⊏---0.2m ta 40℃ tc 150℃
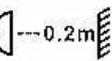
User Manual

PLEASE KEEP THIS MANUAL FOR FUTURE NEEDS

1. *Unpacking*

Thank you for choosing our product. For your own safety, please read this manual before installing the device. This manual covers the important information on installation and applications. Please install and operate the fixture with following instructions. Meanwhile, please keep this manual well for future needs.

This fixture is made of a new type of high temperature strength of engineering plastics and cast aluminum casing with nice outlook. The fixture is designed and manufactured strictly following CE standards, complying with international standard DMX512 protocol. It's available independently controlled and linkable with each other for operation. And it is applicable for large-scale live performances, theater, studio, nightclubs and discos.

LED beam bar moving which features high brightness and stability. Please carefully unpack it when you receive the fixture and check whether it is damaged during the transportation. And please check whether the following items are included inside the box:
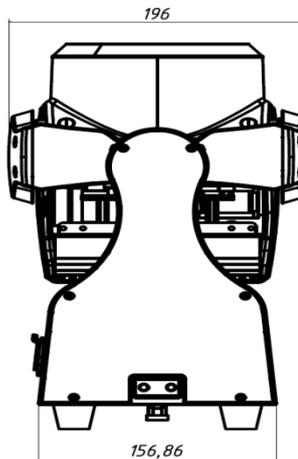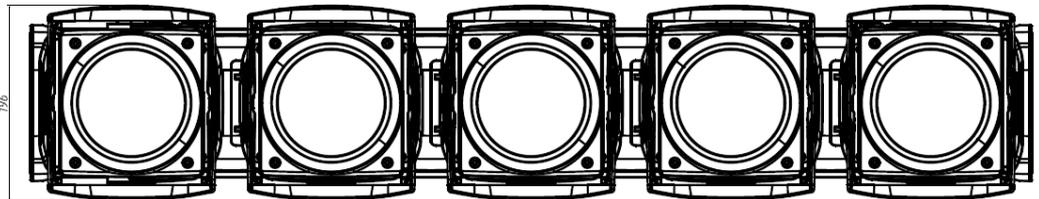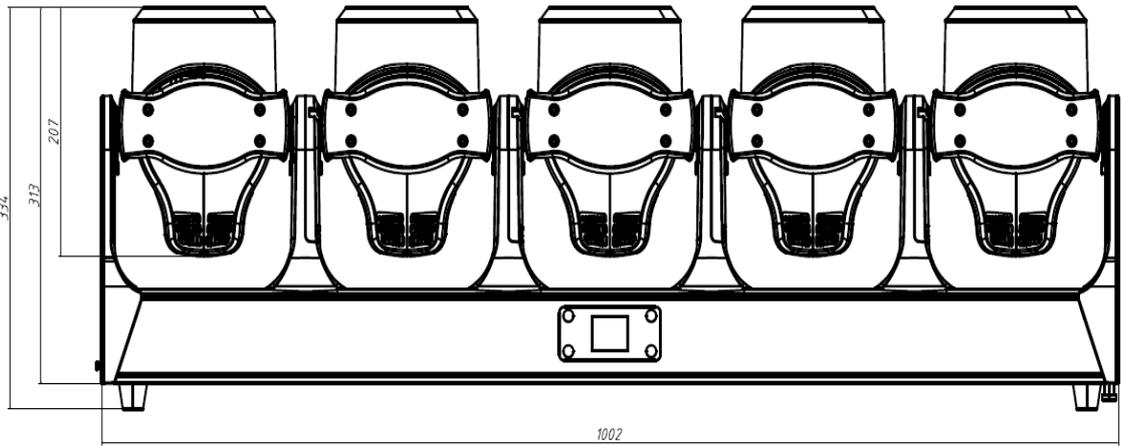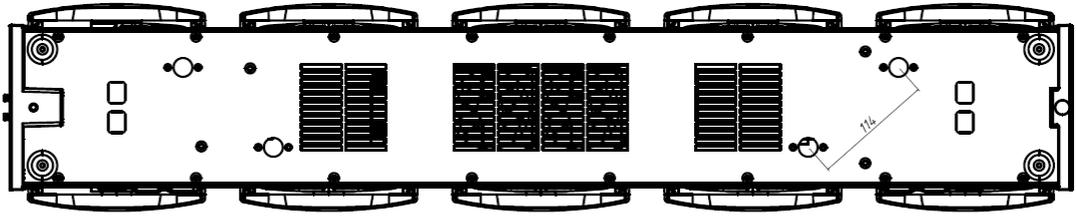
LED Zoom bar----One   Power Cable----One

3-Pin Signal Cable----One   Safety Cable----one

Omega Bracket----Two   User Manual----One

2. Fixturesize

3. Safety Instructions

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.

👉 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 temperature.

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

The electric connection must carry out by qualified person. The device shall only be used with rate voltage and frequency. Make sure that the available voltage is not higher than stated at the end of this manual.

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.

Fixtures cannot be installed on combustible substances, keep more than 50cm distance with wall for smooth air flow, so there should be no shelter for fans and ventilation for heat radiation.

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.

4.Operation Instructions

-The fixture is for beam effect purpose.

-Don't turn on the fixture if it's been through severe temperature difference like after transportation because it might damage the light due to the environment changes. So make sure to operate the fixture until it is in normal temperature.

-This light should be keep away from strong shaking during any transportation or movement.

-Don't pull up the light by only the head, or it might cause damages to the mechanical parts.

-Don't expose the fixture in overheat, moisture or environment with too much dust when installing it. And don't lay any power cables on the floor. Or it might cause electronic shock to the people.

-Make sure the installation place is in good safety condition before installing the fixture.

-Make sure to put the safety chain and check whether the screws are screwed properly when installing the fixture.

-Make sure the lens are in good condition. It's recommended to replace the units if there are any damages or severe scratch.

-Make sure the fixture is operated by qualified personnel who knows the fixture before using.

-Keep the original packages if any second shipment is needed.

-Don't try to change the fixtures without any instruction by the manufacturer or the appointed repairing agencies.

-It is not in warranty range if there are any malfunctions from not following the user manual to operate or any illegal operation, like shock short circuit, electronic shock, lamp broke, etc.

5.Mounting and Installation

Cautions: For added protection mount the fixtures in areas outside walking paths, seating areas, or in areas were the fixture

might be reached by unauthorized personnel. Before mounting the fixture to any surface, make sure that the installation area can hold a minimum point load of 10 times the device's weight.

Fixture installation must always be secured with a secondary safety attachment, such as an appropriate safety cable.

Never stand directly below the device when mounting, removing, or servicing the fixture from a periodic safety inspection of all installation material and the fixture. If you lack these qualifications, do not attempt the installation yourself. Improper installation can result in bodily injury.

Be sure to complete all rigging and installation procedures before connecting the main power cord to the appropriate wall outlet.

Clamp Mounting: The Super LED Beam Pixel Zoom bar provides a unique mounting bracket assembly that integrates the bottom of the base, and the safety cable rigging point in one unit (see the illustration below). When mounting this fixture to truss be sure to secure an appropriately rated clamp to the included omega bracket using a M10 screw fitted through the center hole of the "omega bracket". As an added safety measure be sure to attached at least one properly rated safety cable to the fixture using on of the safety cable rigging point integrated in the base assembly
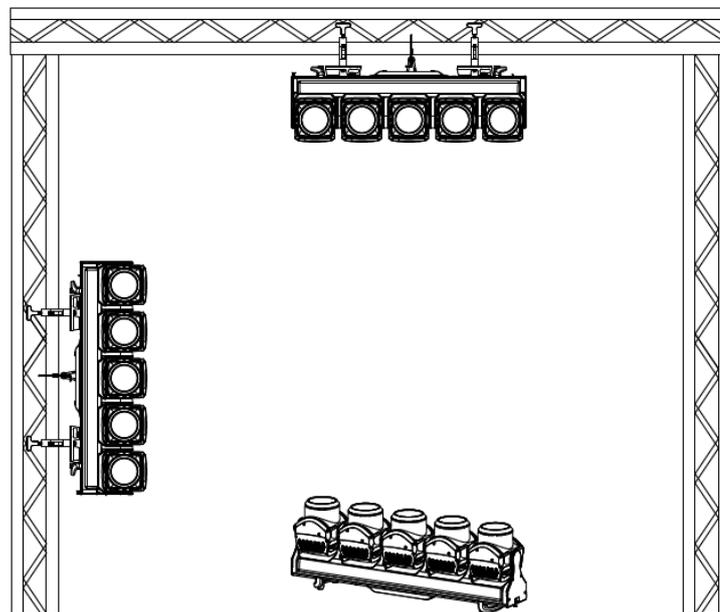
Regardless of the rigging option you choose for your Super LED pixel Zoom bar, always be sure to secure your fixture with a safety cable. The fixture provides a built-in rigging point for a safety cable on the hanging bracket as illustrated above. Be sure to only use the designated rigging point for the safety cable and

never secure a safety cable to a carrying handle.

6.DMX-512 control connections

Connect the provided XLR cable to the female 3-pin XLR output of your controller and the other side to the male 3-pin XLR input of the moving head. (5-pin connect way is similar)

You can chain multiple Moving heads be connected together through serial linking. The cable needed should be two core, screened cable with XLR input and output connectors. Please refer to the diagram below.

DMX-512 connection with DMX terminator.

For installations where the DMX cable has to run a long distance or is in an electrically noisy environment, such as in a discotheque, it is recommended to use a DMX terminator. This helps in preventing corruption of the digital control signal by electrical noise. The DMX terminator is simply an XLR plug with a 120 Ω resistor connected between pins 2 and 3,which is then plugged into the output XLR socket of the last fixture in the chain. Please see illustrations below.
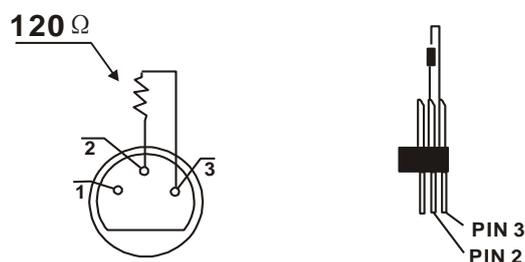
7.DMX Channels

21CH

CHANNEL	VALUE	FUNCTION
1	000-255	**PAN** 0°→59°
2	000-255	**PAN FINE**
3	000-255	**TILT** 0°→221°
4	000-255	**TILT FINE**
5	000-255	**ZOOM** Wide→Narrow
6	000-255	**LED RED** 0%→100%
7	000-255	**LED GREEN** 0%→100%
8	000-255	**LED BLUE** 0%→100%
9	000-255	**LED LIME** 0%→100%
10		**LED CTO**
	000	Null
	001-004	8000K
	005-009	7900K
	010-013	7800K
	014-018	7700K
	019-022	7600K
	023-027	7500K
	…	…
	…	…
	226-229	3000K
	230-234	2900K
	235-238	2800K
	239-243	2700K
	244-247	2600K
	248-255	2500K
11		**LED COLOR**
	000-009	Null
	010-016	LEE 790 – Moroccan Pink
	017-023	LEE 157 – Pink
	024-030	LEE 332 – Special Rose Pink
	031-037	LEE 328 – Follies Pink
	038-044	LEE 345 – Fuchsia Pink
	045-051	LEE 194 – Surprise Pink
	052-058	LEE 181 – Congo Blue
	059-065	LEE 071 – Tokyo Blue
	066-072	LEE 120 – Deep Blue

	073-079	LEE 079 – Just Blue
	080-086	LEE 132 – Medium Blue
	087-093	LEE 200 – Double CT Blue
	094-100	LEE161-State Blue
	101-107	LEE 201 – Full CT Blue
	108-114	LEE 202 – Half CT Blue
	115-121	LEE 117 – Steel Blue
	122-128	LEE 353 – Lighter Blue
	129-135	LEE 118 – Light Blue
	136-142	LEE 116 – Medium Blue Green
	143-149	LEE 124 – Dark Green
	150-156	LEE 139 – Primary Green
	157-163	LEE 089 – Moss Green
	164-170	LEE 122 – Fern Green
	171-177	LEE 738 – JAS Green
	178-184	LEE 088 – Lime Green
	185-191	LEE 100 – Spring Yellow
	192-198	LEE 104 – Deep Amber
	199-205	LEE 179 – Chrome Orange
	206-212	LEE 105 – Orange
	213-219	LEE 021 – Gold Amber
	220-226	LEE 778 – Millennium Gold
	227-233	LEE 135 – Deep Gold Amber
	234-255	LEE 164 – Flame Red
12	000-255	**RING RED** 0%→100%
13	000-255	**RING GREEN** 0%→100%
14	000-255	**RING BLUE** 0%→100%
15		**RING MACRO EFFECT & SPEED**
	000-015	Null
	016-031	Macro Effect 1, Fast to Slow
	032-047	Macro Effect 2, Fast to Slow
	…	A macro effect is created every 15 DMX values
	224-239	Macro Effect 14, Fast to Slow
	240-255	Macro Effect 15, Fast to Slow
16	000-255	**DIMMER** 0%→100%
17	000-255	**DIMMER FINE**
18		**LED STROBE**
	000-007	Close
	008-015	Open
	016-131	Strobe from Slow to Fast OpenFast
	132-139	Open
	140-181	Fast Open Slow Close from Slow to Fast
	182-189	Open
	190-231	Slow Open Fast Close from Slow to Fast
	232-239	Open

	240-247	Random Strobe from Slow to Fast
	248-255	Open
19		**RING STROBE**
	000-007	Close
	008-015	Open
	016-131	Strobe from Slow to Fast
	132-139	Open
	140-181	Fast Open Slow Close from Slow to Fast
	182-189	Open
	190-231	Slow Open Fast Close from Slow to Fast
	232-239	Open
	240-247	Random Strobe from Slow to Fast
	248-255	Open
20	000-255	**PAN/TILT SPEED**
		Fast to Slow
21		**FUNCTION**(To activate following functions, stop in DMX value for at least 3 seconds.)
	000-029	Null
	030-039	Dimmer Curve: Linear
	040-049	Dimmer Curve: Square Law
	050-059	Dimmer Curve: Inv SQ Law
	060-069	Dimmer Curve: S Curve
	070-079	Cooling Mode: Standard
	080-089	Cooling Mode: Quiet
	090-099	Null
	100-109	Led Frequency Setting Enable
	110-119	Led Frequency Setting Disable
	120-122	Null
	123	900Hz
	124	1000Hz
	125	1100Hz
	126	1200Hz
	127	1300Hz
	128	1400Hz
	129	1500Hz
	130	2500Hz
	131	4000Hz
	132	5000Hz
	133	6000Hz
	134	10KHz
	135	15KHz
	136	20KHz
	137	25KHz
	138-139	Null
	140-149	Pan/Tilt reset
	150-159	Effect Reset
	160-169	Head Invert: Yes
	170-179	Head Invert: No
	180-189	CCI Calibration: On

	190-199	CCI Calibration: Off
	200-209	All Reset
	210-219	Dimmer Speed: Fast
	220-229	Dimmer Speed: Smooth
	230	Dimming Start Mode: High
	231	Dimming Start Mode: Low
	232-255	Null

41CH

CHANNEL	VALUE	FUNCTION
1	000-255	**PAN 1** 0°→59°
2	000-255	**PAN 1 FINE**
3	000-255	**TILT 1** 0°→221°
4	000-255	**TILT 1 FINE**
5	000-255	**ZOOM 1** Wide→Narrow
6	000-255	**PAN 2** 0°→59°
7	000-255	**PAN 2 FINE**
8	000-255	**TILT 2** 0°→221°
9	000-255	**TILT 2 FINE**
10	000-255	**ZOOM 2** Wide→Narrow
11	000-255	**PAN 3** 0°→59°
12	000-255	**PAN 3 FINE**
13	000-255	**TILT 3** 0°→221°
14	000-255	**TILT 3 FINE**
15	000-255	**ZOOM 3** Wide→Narrow
16	000-255	**PAN 4** 0°→59°
17	000-255	**PAN 4 FINE**
18	000-255	**TILT 4** 0°→221°
19	000-255	**TILT 4 FINE**
20	000-255	**ZOOM 4** Wide→Narrow
21	000-255	**PAN 5** 0°→59°
22	000-255	**PAN 5 FINE**
23	000-255	**TILT 5** 0°→221°

24	000-255	**TILT 5 FINE**
25	000-255	**ZOOM 5**
		Wide→Narrow
26	000-255	**LED RED** 0%→100%
27	000-255	**LED GREEN** 0%→100%
28	000-255	**LED BLUE** 0%→100%
29	000-255	**LED LIME** 0%→100%
30	**LED CTO**	
	000	Null
	001-004	8000K
	005-009	7900K
	010-013	7800K
	014-018	7700K
	019-022	7600K
	023-027	7500K
	…	…
	…	…
	226-229	3000K
	230-234	2900K
	235-238	2800K
	239-243	2700K
	244-247	2600K
	248-255	2500K
31	**LED COLOR**	
	000-009	Null
	010-016	LEE 790 – Moroccan Pink
	017-023	LEE 157 – Pink
	024-030	LEE 332 – Special Rose Pink
	031-037	LEE 328 – Follies Pink
	038-044	LEE 345 – Fuchsia Pink
	045-051	LEE 194 – Surprise Pink
	052-058	LEE 181 – Congo Blue
	059-065	LEE 071 – Tokyo Blue
	066-072	LEE 120 – Deep Blue
	073-079	LEE 079 – Just Blue
	080-086	LEE 132 – Medium Blue
	087-093	LEE 200 – Double CT Blue
	094-100	LEE161-State Blue
	101-107	LEE 201 – Full CT Blue
	108-114	LEE 202 – Half CT Blue
	115-121	LEE 117 – Steel Blue
	122-128	LEE 353 – Lighter Blue
	129-135	LEE 118 – Light Blue
	136-142	LEE 116 – Medium Blue Green

	143-149	LEE 124 – Dark Green
	150-156	LEE 139 – Primary Green
	157-163	LEE 089 – Moss Green LEE
	164-170	LEE 122 – Fern Green
	171-177	LEE 738 – JAS Green
	178-184	LEE 088 – Lime Green
	185-191	LEE 100 – Spring Yellow
	192-198	LEE 104 – Deep Amber
	199-205	LEE 179 – Chrome Orange
	206-212	LEE 105 – Orange
	213-219	LEE 021 – Gold Amber
	220-226	LEE 778 – Millennium Gold
	227-233	LEE 135 – Deep Gold Amber
	234-255	LEE 164 – Flame Red
32	000-255	**RING RED** 0%→100%
33	000-255	**RING GREEN** 0%→100%
34	000-255	**RING BLUE** 0%→100%
35		**RING MACRO EFFECT & SPEED**
	000-015	Null
	016-031	Macro Effect 1, Fast to Slow
	032-047	Macro Effect 2, Fast to Slow
	…	A macro effect is created every 15 DMX values
	224-239	Macro Effect 14, Fast to Slow
	240-255	Macro Effect 15, Fast to Slow
36	000-255	**DIMMER** 0%→100%
37	000-255	**DIMMER FINE**
38		**LED STROBE**
	000-007	Close
	008-015	Open
	016-131	Strobe from Slow to Fast OpenFast
	132-139	Open
	140-181	Fast Open Slow Close from Slow to Fast
	182-189	Open
	190-231	Slow Open Fast Close from Slow to Fast
	232-239	Open
	240-247	Random Strobe from Slow to Fast
	248-255	Open
39		**RING STROBE**
	000-007	Close
	008-015	Open
	016-131	Strobe from Slow to Fast
	132-139	Open
	140-181	Fast Open Slow Close from Slow to Fast
	182-189	Open
	190-231	Slow Open Fast Close from Slow to Fast

	232-239	Open
	240-247	Random Strobe from Slow to Fast
	248-255	Open
40	000-255	**PAN/TILT SPEED**
		Fast to Slow
41	**FUNCTION**(To activate following functions, stop in DMX value for at least 3 seconds.)	
	000-029	Null
	030-039	Dimmer Curve: Linear
	040-049	Dimmer Curve: Square Law
	050-059	Dimmer Curve: Inv SQ Law
	060-069	Dimmer Curve: S Curve
	070-079	Cooling Mode: Standard
	080-089	Cooling Mode: Quiet
	090-099	Null
	100-109	Led Frequency Setting Enable
	110-119	Led Frequency Setting Disable
	120-122	Null
	123	900Hz
	124	1000Hz
	125	1100Hz
	126	1200Hz
	127	1300Hz
	128	1400Hz
	129	1500Hz
	130	2500Hz
	131	4000Hz
	132	5000Hz
	133	6000Hz
	134	10KHz
	135	15KHz
	136	20KHz
	137	25KHz
	138-139	Null
	140-149	Pan/Tilt reset
	150-159	Effect Reset
	160-169	Head Invert: Yes
	170-179	Head Invert: No
	180-189	CCI Calibration: On
	190-199	CCI Calibration: Off
	200-209	All Reset
	210-219	Dimmer Speed: Fast
	220-229	Dimmer Speed: Smooth
	230	Dimming Start Mode: High
	231	Dimming Start Mode: Low
	232-255	Null

71CH/75CH/85CH:

CHANNEL				
71ch	75ch	85ch	VALUE	FUNCTION
1	1	1	000-255	**PAN 1** 0°→59°
2	2	2	000-255	**PAN 1 FINE**
3	3	3	000-255	**TILT 1** 0°→221°
4	4	4	000-255	**TILT 1 FINE**
5	5	5	000-255	**LED 1 RED** 0%→100%
6	6	6	000-255	**LED 1 GREEN** 0%→100%
7	7	7	000-255	**LED 1 BLUE** 0%→100%
8	8	8	000-255	**LED 1 LIME** 0%→100%
		9	000-255	**LED 1 DIMMER** 0%→100%
		10	000-255	**LED 1 DIMMER FINE**
	9	11		**LED 1 STROBE**
			000-007	Close
			008-015	Open
			016-131	Strobe from Slow to Fast
			132-139	Open
			140-181	Fast Open Slow Close from Slow to Fast
			182-189	Open
			190-231	Slow Open Fast Close from Slow to Fast
			232-239	Open
			240-247	Random Strobe from Slow to Fast
			248-255	Open
9	10	12	000-255	**ZOOM 1** Wide→Narrow
10	11	13	000-255	**RING 1 RED** 0%→100%
11	12	14	000-255	**RING 1 GREEN** 0%→100%
12	13	15	000-255	**RING 1 BLUE** 0%→100%
13	14	16		**RING 1 MACRO EFFECT & SPEED**
			000-015	Null
			016-031	Macro Effect 1,Fast to Slow
			032-047	Macro Effect 2, Fast to Slow
			…	A macro effect is created every 15 DMX
			224-239	Macro Effect 14, Fast to Slow
			240-255	Macro Effect 15, Fast to Slow
14	15	17	000-255	**PAN 2** 0°→59°
15	16	18	000-255	**PAN 2 FINE**
16	17	19	000-255	**TILT 2** 0°→221°
17	18	20	000-255	**TILT 2 FINE**
18	19	21	000-255	**LED 2 RED** 0%→100%
19	20	22	000-255	**LED 2 GREEN** 0%→100%

20	21	23	000-255	**LED 2 BLUE** 0%→100%
21	22	24	000-255	**LED 2 LIME** 0%→100%
		25	000-255	**LED 2 DIMMER** 0%→100%
		26	000-255	**LED 2 DIMMER FINE**
23	23	27		**LED 2 STROBE**
			000-007	Close
			008-015	Open
			016-131	Strobe from Slow to Fast
			132-139	Open
			140-181	Fast Open Slow Close from Slow to Fast
			182-189	Open
			190-231	Slow Open Fast Close from Slow to Fast
			232-239	Open
			240-247	Random Strobe from Slow to Fast
			248-255	Open
22	24	28	000-255	**ZOOM 2** Wide→Narrow
23	25	29	000-255	**RING 2 RED** 0%→100%
24	26	30	000-255	**RING 2 GREEN** 0%→100%
25	27	31	000-255	**RING 2 BLUE** 0%→100%
26	28	32		**RING 2 MACRO EFFECT & SPEED**
			000-015	Null
			016-031	Macro Effect 1, Fast to Slow
			032-047	Macro Effect 2, Fast to Slow
			…	A macro effect is created every 15 DMX
			224-239	Macro Effect 14, Fast to Slow
			240-255	Macro Effect 15, Fast to Slow
27	29	33	000-255	**PAN 3** 0°→59°
28	30	34	000-255	**PAN 3 FINE**
29	31	35	000-255	**TILT 3** 0°→221°
30	32	36	000-255	**TILT 3 FINE**
31	33	37	000-255	**LED 3 RED** 0%→100%
32	34	38	000-255	**LED 3 GREEN** 0%→100%
33	35	39	000-255	**LED 3 BLUE** 0%→100%
34	36	40	000-255	**LED 3 LIME** 0%→100%

		41	000-255	**LED 3 DIMMER** 0%→100%
		42	000-255	**LED 3 DIMMER FINE**
	37	43		**LED3 STROBE**
			000-007	Close
			008-015	Open
			016-131	Strobe from Slow to Fast
			132-139	Open
			140-181	Fast Open Slow Close from Slow to Fast
			182-189	Open
			190-231	Slow Open Fast Close from Slow to Fast
			232-239	Open
			240-247	Random Strobe from Slow to Fast
			248-255	Open
35	38	44	000-255	**ZOOM 3** Wide→Narrow
36	39	45	000-255	**RING 3 RED** 0%→100%
37	40	46	000-255	**RING 3 GREEN** 0%→100%
38	41	47	000-255	**RING 3 BLUE** 0%→100%
39	42	48		**RING 3 MACRO EFFECT & SPEED**
			000-015	Null
			016-031	Macro Effect 1, Fast to Slow
			032-047	Macro Effect 2, Fast to Slow
			…	A macro effect is created every 15 DMX
			224-239	Macro Effect 14, Fast to Slow
			240-255	Macro Effect 15, Fast to Slow
40	43	49	000-255	**PAN 4** 0°→59°
41	44	50	000-255	**PAN 4 FINE**
42	45	51	000-255	**TILT 4** 0°→221°
43	46	52	000-255	**TILT 4 FINE**
44	47	53	000-255	**LED 4 RED** 0%→100%
45	48	54	000-255	**LED 4 GREEN** 0%→100%
46	49	55	000-255	**LED 4 BLUE** 0%→100%
47	50	56	000-255	**LED 4 LIME** 0%→100%
		57	000-255	**LED 4 DIMMER** 0%→100%
		58	000-255	**LED 4 DIMMER FINE**
	51	59		**LED 4 STROBE**
			000-007	Close
			008-015	Open

			016-131	Strobe from Slow to Fast
			132-139	Open
			140-181	Fast Open Slow Close from Slow to Fast
			182-189	Open
			190-231	Slow Open Fast Close from Slow to Fast
			232-239	Open
			240-247	Random Strobe from Slow to Fast
			248-255	Open
48	**52**	**60**	000-255	**ZOOM 4** Wide→Narrow
49	**53**	**61**	000-255	**RING 4 RED** 0%→100%
50	**54**	**62**	000-255	**RING 4 GREEN** 0%→100%
51	**55**	**63**	000-255	**RING 4 BLUE** 0%→100%
52	**56**	**64**		**RING 4 MACRO EFFECT & SPEED**
			000-015	Null
			016-031	Macro Effect 1, Fast to Slow
			032-047	Macro Effect 1, Fast to Slow
			…	A macro effect is created every 15 DMX
			224-239	Macro Effect 14, Fast to Slow
			240-255	Macro Effect 15, Fast to Slow
53	**57**	**65**	000-255	**PAN 5** 0°→59°
54	**58**	**66**	000-255	**PAN 5 FINE**
55	**59**	**67**	000-255	**TILT 5** 0°→221°
56	**60**	**68**	000-255	**TILT 5 FINE**
57	**61**	**69**	000-255	**LED 5 RED** 0%→100%
58	**62**	**70**	000-255	**LED 5 GREEN** 0%→100%
59	**63**	**71**	000-255	**LED 5 BLUE** 0%→100%
60	**64**	**72**	000-255	**LED 5 LIME** 0%→100%
		73	000-255	**LED 5 DIMMER** 0%→100%
		74	000-255	**LED 5 DIMMER FINE**
	65	**75**		**LED 5 STROBE**
			000-007	Close
			008-015	Open
			016-131	Strobe from Slow to Fast
			132-139	Open
			140-181	Fast Open Slow Close from Slow to Fast
			182-189	Open
			190-231	Slow Open Fast Close from Slow to Fast
			232-239	Open

			240-247	Random Strobe from Slow to Fast
			248-255	Open
61	**66**	**76**	000-255	**ZOOM 5**
				Wide→Narrow
62	**67**	**77**	000-255	**RING 5 RED**
				0%→100%
63	**68**	**78**	000-255	**RING 5 GREEN** 0%→100%
64	**69**	**79**	000-255	**RING 5 BLUE** 0%→100%
65	**70**	**80**		**RING 5 MACRO EFFECT & SPEED**
			000-015	Null
			016-031	Macro Effect 1, Fast to Slow
			032-047	Macro Effect 2, Fast to Slow
			…	A macro effect is created every 15 DMX
			224-239	Macro Effect 14, Fast to Slow
			240-255	Macro Effect 15, Fast to Slow
66	**71**	**81**	000-255	**DIMMER** 0%→100%
67	**72**	**82**	000-255	**DIMMER FINE**
68				**LED STROBE**
			000-007	Close
			008-015	Open
			016-131	Strobe from Slow to Fast
			132-139	Open
			140-181	Fast Open Slow Close from Slow to Fast
			182-189	Open
			190-231	Slow Open Fast Close from Slow to Fast
			232-239	Open
			240-247	Random Strobe from Slow to Fast
			248-255	Open
69	**73**	**83**		**RING STROBE**
			000-007	Close
			008-015	Open
			016-131	Strobe from Slow to Fast
			132-139	Open
			140-181	Fast Open Slow Close from Slow to Fast
			182-189	Open
			190-231	Slow Open Fast Close from Slow to Fast
			232-239	Open
			240-247	Random Strobe from Slow to Fast
			248-255	Open
70	**74**	**84**	000-255	**PAN/TILT SPEED**
				Fast to Slow
71	**75**	**85**		**FUNCTION**(To activate following functions, stop in DMX value for at least 3 seconds.)
			000-029	Null
			030-039	Dimmer Curve: Linear

			040-049	Dimmer Curve: Square Law
			050-059	Dimmer Curve: Inv SQ Law
			060-069	Dimmer Curve: S Curve
			070-079	Cooling Mode: Standard
			080-089	Cooling Mode: Quiet
			090-099	Null
			100-109	Led Frequency Setting Enable
			110-119	Led Frequency Setting Disable
			120-122	Null
			123	900Hz
			124	1000Hz
			125	1100Hz
			126	1200Hz
			127	1300Hz
			128	1400Hz
			129	1500Hz
			130	2500Hz
			131	4000Hz
			132	5000Hz
			133	6000Hz
			134	10KHz
			135	15KHz
			136	20KHz
			137	25KHz
			138-139	Null
			140-149	Pan/Tilt Reset
			150-159	Effect Reset
			160-169	Head Invert: Yes
			170-179	Head Invert: No
			180-189	CCI Calibration: On
			190-199	CCI Calibration: Off
			200-209	All Reset
			210-219	Dimmer Speed: Fast
			220-229	Dimmer Speed: Smooth
			230	Dimming Start Mode: High
			231	Dimming Start Mode: Low
			232-255	Null

170CH

CHANNEL	VALUE	FUNCTION
1	000-255	**PAN 1** 0°→59°
2	000-255	**PAN 1 FINE**
3	000-255	**TILT 1** 0°→221°
4	000-255	**TILT 1 FINE**

5	000-255	**LED 1 RED** 0%→100%
6	000-255	**LED 1 GREEN** 0%→100%
7	000-255	**LED 1 BLUE** 0%→100%
8	000-255	**LED 1 LIME** 0%→100%
9	000-255	**ZOOM 1** Wide→Narrow
10	000-255	**RING 1 BLOCK 1 RED** 0%→100%
11	000-255	**RING 1 BLOCK 1 GREEN** 0%→100%
12	000-255	**RING 1 BLOCK 1 BLUE** 0%→100%
13	000-255	**RING 1 BLOCK 2 RED** 0%→100%
14	000-255	**RING 1 BLOCK 2 GREEN** 0%→100%
15	000-255	**RING 1 BLOCK 2 BLUE** 0%→100%
…	…	…
31	000-255	**RING 1 BLOCK 8 RED** 0%→100%
32	000-255	**RING 1 BLOCK 8 GREEN** 0%→100%
33	000-255	**RING 1 BLOCK 8 BLUE** 0%→100%
34	000-255	**PAN 2** 0°→59°
35	000-255	**PAN 2 FINE**
36	000-255	**TILT 2** 0°→221°
37	000-255	**TILT 2 FINE**
38	000-255	**LED 2 RED** 0%→100%
39	000-255	**LED 2 GREEN** 0%→100%
40	000-255	**LED 2 BLUE** 0%→100%
41	000-255	**LED 2 LIME** 0%→100%
42	000-255	**ZOOM 2** Wide→Narrow
43	000-255	**RING 2 BLOCK 1 RED** 0%→100%
44	000-255	**RING 2 BLOCK 1 GREEN** 0%→100%
45	000-255	**RING 2 BLOCK 1 BLUE** 0%→100%
46	000-255	**RING 2 BLOCK 2 RED** 0%→100%
47	000-255	**RING 2 BLOCK 2 GREEN** 0%→100%
48	000-255	**RING 2 BLOCK 2 BLUE** 0%→100%
…	…	…

64	000-255	**RING 2 BLOCK 8 RED** 0%→100%
65	000-255	**RING 2 BLOCK 8 GREEN** 0%→100%
66	000-255	**RING 2 BLOCK 8 BLUE** 0%→100%
67	000-255	**PAN 3** 0°→59°
68	000-255	**PAN 3 FINE**
69	000-255	**TILT 3** 0°→221°
70	000-255	**TILT 3 FINE**
71	000-255	**LED 3 RED** 0%→100%
72	000-255	**LED 3 GREEN** 0%→100%
73	000-255	**LED 3 BLUE** 0%→100%
74	000-255	**LED 3 LIME** 0%→100%
75	000-255	**ZOOM 3** Wide→Narrow
76	000-255	**RING 3 BLOCK 1 RED** 0%→100%
77	000-255	**RING 3 BLOCK 1 GREEN** 0%→100%
78	000-255	**RING 3 BLOCK 1 BLUE** 0%→100%
79	000-255	**RING 3 BLOCK 2 RED** 0%→100%
80	000-255	**RING 3 BLOCK 2 GREEN** 0%→100%
81	000-255	**RING 3 BLOCK 2 BLUE** 0%→100%
…	…	…
97	000-255	**RING 3 BLOCK 8 RED** 0%→100%
98	000-255	**RING 3 BLOCK 8 GREEN** 0%→100%
99	000-255	**RING 3 BLOCK 8 BLUE** 0%→100%
100	000-255	**PAN 4** 0°→59°
101	000-255	**PAN 4 FINE**
102	000-255	**TILT 4** 0°→221°
103	000-255	**TILT 4 FINE**
104	000-255	**LED 4 RED** 0%→100%

105	000-255	**LED 4 GREEN** 0%→100%
106	000-255	**LED 4 BLUE** 0%→100%
107	000-255	**LED 4 LIME** 0%→100%
108	000-255	**ZOOM 4** Wide→Narrow
109	000-255	**RING 4 BLOCK 1 RED** 0%→100%
110	000-255	**RING 4 BLOCK 1 GREEN** 0%→100%
111	000-255	**RING 4 BLOCK 1 BLUE** 0%→100%
112	000-255	**RING 4 BLOCK 2 RED** 0%→100%
113	000-255	**RING 4 BLOCK 2 GREEN** 0%→100%
114	000-255	**RING 4 BLOCK 2 BLUE** 0%→100%
…	**…**	**…**
130	000-255	**RING 4 BLOCK 8 RED** 0%→100%
131	000-255	**RING 4 BLOCK 8 GREEN** 0%→100%
132	000-255	**RING 4 BLOCK 8 BLUE** 0%→100%
133	000-255	**PAN 5** 0°→59°
134	000-255	**PAN 5 FINE**
135	000-255	**TILT 5** 0°→221°
136	000-255	**TILT 5 FINE**
137	000-255	**LED 5 RED** 0%→100%
138	000-255	**LED 5 GREEN** 0%→100%
139	000-255	**LED 5 BLUE** 0%→100%
140	000-255	**LED 5 LIME** 0%→100%
141	000-255	**ZOOM 5** Wide→Narrow
142	000-255	**RING 5 BLOCK 1 RED** 0%→100%
143	000-255	**RING 5 BLOCK 1 GREEN** 0%→100%

144	000-255	**RING 5 BLOCK 1 BLUE** 0%→100%
145	000-255	**RING 5 BLOCK 2 RED** 0%→100%
146	000-255	**RING 5 BLOCK 2 GREEN** 0%→100%
147	000-255	**RING 5 BLOCK 2 BLUE** 0%→100%
…	…	…
163	000-255	**RING 5 BLOCK 8 RED** 0%→100%
164	000-255	**RING 5 BLOCK 8 GREEN** 0%→100%
165	000-255	**RING 5 BLOCK 8 BLUE** 0%→100%
166	000-255	**DIMMER** 0%→100%
167	000-255	**DIMMER FINE**
168		**LED STROBE**
	000-007	Close
	008-015	Open
	016-131	Strobe from Slow to Fast
	132-139	Open
	140-181	Fast Open Slow Close from Slow to Fast
	182-189	Open
	190-231	Slow Open Fast Close from Slow to Fast
	232-239	Open
	240-247	Random Strobe from Slow to Fast
	248-255	Open
169	000-255	**PAN/TILT SPEED**
		Fast to Slow
170		**FUNCTION**(To activate following functions, stop in DMX value for at least 3 seconds.)
	000-029	Null
	030-039	Dimmer Curve: Linear
	040-049	Dimmer Curve: Square Law
	050-059	Dimmer Curve: Inv SQ Law
	060-069	Dimmer Curve: S Curve
	070-079	Cooling Mode: Standard
	080-089	Cooling Mode: Quiet
	090-099	Null
	100-109	Led Frequency Setting Enable
	110-119	Led Frequency Setting Disable
	120-122	Null
	123	900Hz
	124	1000Hz
	125	1100Hz
	126	1200Hz

	127	1300Hz	
	128	1400Hz	
	129	1500Hz	
	130	2500Hz	
	131	4000Hz	
	132	5000Hz	
	133	6000Hz	
	134	10KHz	
	135	15KHz	
	136	20KHz	
	137	25KHz	
	138-139	Null	
	140-149	Pan/Tilt Reset	
	150-159	Effect Reset	
	160-169	Head Invert: Yes	
	170-179	Head Invert: No	
	180-189	CCI Calibration: On	
	190-199	CCI Calibration: Off	
	200-209	All Reset	
	210-219	Dimmer Speed: Fast	
	220-229	Dimmer Speed: Smooth	
	230	Dimming Start Mode: High	
	231	Dimming Start Mode: Low	
	232-255	Null	

8.Display instruction

MENU	Dmx	001 - 512	
	Fixture	Ch Mode	21CH/41CH /71CH/75CH/85CH/170CH
		Run Mode	DMX / Auto
		Pan Invert	Close/ Open
		Tilt Invert	Close/ Open
		Fan Speed	Normal/Low/Quiet/High
		Dim Curve	Linear/Square Law/Inv SQ Law/S Curve
		Dim Speed	Smooth/Fast
		On DMX State	Clear/ Keep
		LED Flush	900Hz/1000Hz/1100Hz/1200Hz/1300 Hz/ 1400H/1500Hz/2500Hz/4000Hz/5000 Hz/ 6000Hz/10KHz/15KHz/20KHz/25KHz
	Manual	Manual control each channel	
	Information	Time	Current Time
			Total Time
			Power Count

		Sensor	Tilt 1
			Pan 1
			Zoom 1
			Temp 1
			……
		Temperature	Head1 Temp
			Head2 Temp
			Head3 Temp
			Head4 Temp
			Head5 Temp
		Software Version	Show
			Y Motor
			Dimmer 1
			Dimmer 2
			Dimmer 3
			Dimmer 4
			Dimmer 5
	Factory	Password	000 - 255
		Pan1	000 - 255
		Tilt1	000 - 255
		Zoom1	000 - 255
		Pan2	000 - 255
		Tilt2	000 - 255
		……	……
	FixReset	All Reset	OFF/Run
		Factory	OFF/Run
	Display	Language	CH / EN
		Display Flip	YES/NO
		Display Mode	60s / Show

9.Key Features
Voltage: AC110-240V 50/60Hz
Power: 750W
Light Source : Main Light: 5 x 120W RGBL LEDs
Outer Circle: 120 x 0.5W RGB LEDs
LED Lifetime: Average 20000 hours
Beam angle:3-30°，Beam divergence:4-35°
Channel: 21CH/41CH /71CH/75CH/85CH/170CH 6 channel mode
Control Mode: DMX-512,Auto-run, Sound activated
Pan: 60° Tilt: 220 °
0-100% smooth dimmer lighting
Strobe: 1-25HZ/S
Linear CTO color temperature adjustment, excellent mixing function, linear zoom function
Protection level：IP20
Dynamic Effects:
1. 5 individual heads

2. Each head has one led ring (24 leds) that can be individually controlled 3. 0-100% continuous dimming and strobe effects

4. Choice of four dimming curves

5.Variable color temperature control

6. Outstanding color mixing

7. Motorized zoom

Fixture size:102*19.6*33.4cm

N.W: 27.6KG   G.W：30.6 KG

Carton case(1in1):117x39.5*30.5cm

Flight Case Size(2/1):107*67*58cm   N.W:38KG   G.W:96KG

10.Maintenance and Cleaning

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, color lenses, fixations and installation 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 weakneness 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. There are no serviceable parts inside the device. Please refer to the instructions under "Installation instructions". Should you need any spare parts, please order genuine parts from your local dealer