LOTUS ST-100 MKII AQUA

IP65 Bar Strobe Light



User manual

Please read the instructions carefully before use

Company Name: AVA GROUP GMBH
Adress : Seelbachstraße 5, 66687 Wadern, Germany
EORI No: DE546249558530195 - VAT: DE328942694
USt.-IdNr: 040/104/65168 - HRB 107835
Phone :+49 211 730 64 817 info@lotuseu.com

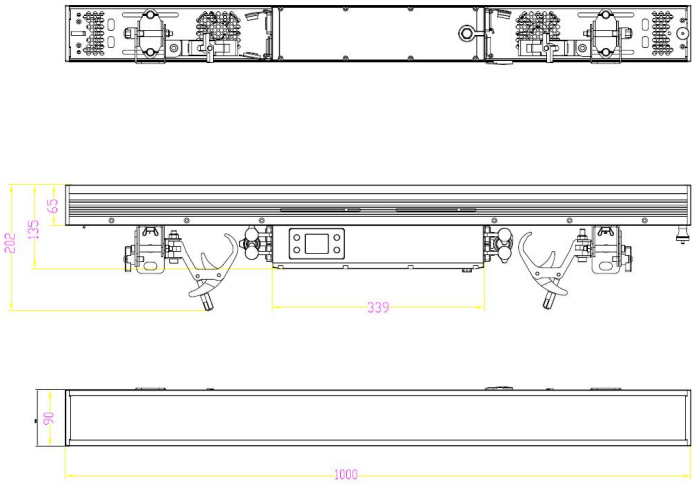
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STATEMENT

The product has well capability and intact packing when leave factory. All of the user should comply with warning item and manual, any misuse cause of the damages are not included in our guarantee, and also can not be responsible for any malfunction & problem owing to ignore the manual.

1. Dimension



2. Safety Information

WARNING! *Read the safety precautions in this section before unpacking, installing, powering or operating this product.*

This luminaries are multi-environmental fixtures with an IP-rating of 65, intended for professional use only. They are not suitable for household use.

Review the following safety precautions carefully before installing or operating the fixture. This fixture must be installed in accordance with the applicable installation code by a person familiar with the construction and operation of the fixture and the hazards involved.

Preventing electric shock



***WARNING!** Risk of electric shock.*

- Always power off/unplug the fixture before removing any covers.
- Ensure that the power is turned off when connecting the fixture to the AC mains supply.
- Ensure that the fixture is electrically connected to earth (ground).
- Do not apply power if the fixture is in any way damaged.
- Do not immerse the fixture in water or liquid.

Preventing burns and fire



***WARNING!** Take measures to prevent burns and fire.*

- Install in a location that prevents accidental contact with the fixture.
- Install only in a well-ventilated space.
- Install at least 0.3 m (12 in.) away from objects to be illuminated.
- Install only in accordance with applicable building codes.
- Ensure a minimum clearance of 0.1 m (4 in.) around the cooling fans.
- Do not paint, cover or modify the fixture.
- Keep all flammable materials away from the fixture.
- Allow the fixture to cool for 15 minutes after operation, before touching it.
- CAUTION: Exterior surface temperature after 5 min. operation = 45 °C (113 °F). Steady state = 60 °C (140 °F).

Avoid personal injury



***WARNING!** Take measure to prevent personal injury.*

- Do not look directly at the light source from close range.
- Take precautions to prevent injury due to falls when working at height.

- For permanent installation, ensure that the fixture is securely fastened to a load-bearing surface with suitable corrosion-resistant hardware.
- For temporary installation with clamps, ensure that the quarter-turn fasteners are turned fully and secured with a suitable safety cable. The cable must be approved for a safe working load (SWL) of 10 times the weight of the fixture, and it must have a minimum gauge of 3 mm.

3. Preparing for installation

Unpack the fixture and inspect it to ensure that it has not been damaged during transport.

The fixture is shipped with two quarter-turn brackets, that can be used to mount the fixture at elevation.

The fixture is IP65-rated, and is designed for use in wet locations. This means that it is protected from:

- Dust, to the degree that dust cannot enter the fixture in sufficient quantities as to interfere with its operation.
- Lower pressure jets of water from any direction.

When selecting a location for the fixture, ensure that:

- It is situated away from public thoroughfares and protected from contact with people.
- It is not immersed in water or exposed to high-pressure water jets.
- It has adequate ventilation.

4. Installation

The fixture may be installed in any orientation, but if installed horizontally with a downward beam-angle, water can potentially pool in the fan wells. Under normal operation the moisture will evaporate. However, in locations with high rainfall, you may wish to fabricate a rain shield above the fixture, or modify the position and orientation of the fixture to minimize pooling.

Two quarter-turn brackets are supplied with the fixture if it is to be flown above the ground. Rig the fixture to a support truss or structure using the supplied brackets and suitable clamps.

Fasten a safety cable (not shown) between the support structure and the attachment point on the fixture. The safety cable must be able to bear at least 10 times the weight of the fixture.

5. Connecting AC Power

The fixture can operate on any 100–240 V, 50/60 Hz AC mains power supply. It draws approximately 2 amps at full power. For permanent installation, have a qualified electrician wire the mains cable directly to a suitable branch circuit.

The junction's ingress protection (IP) rating must be suitable for the location.

For temporary installation, the mains cable may be fitted with a grounded connector intended for exterior use.

When installing standard type C circuit breakers there will be no limitations due to the fixture in-rush current.

Due to the nominal current of the fixture, ensure that no more than:

8 fixtures are connected through the same type C, 16A circuit breaker.

The fixture must be grounded/earthed and be able to be isolated from AC power. The AC power supply must incorporate a fuse or circuit breaker for fault protection.

CAUTION:

Do not open the fixture to replace the supplied power cable, or connect the fixture to an electrical dimmer system, as this can damage it.

Daisy chain connection to be 8pcs MAX;

6. Configuring the fixture

Set up the fixture using the control panel and LCD display at the arm side of the fixture.

Navigate the menus and options using the arrow buttons and select items using the Enter button. The options available are listed in "Control menu" on page 13.

After powering on, the display shows the currently selected operating mode and other information.

The fixture is set by default to be controlled in DMX mode.

Master/Slave configuration

You can set a fixture to operate as master fixture to another fixture (which then becomes a slave fixture), or an entire group of fixtures (which then becomes slave fixtures). The assigned slave fixture(s) will mimic the settings of the master fixture. Use the "Auto Program -> Auto Color / Auto Fade" menu to set your fixture as master fixture, then other fixtures set to DMX mode as slave fixture.

Setting a static color manually

The fixture can be configured to display a predefined and static color using the "Manual Color" (see "Control menu" on page 13).

It may suit your needs when you without a DMX controller to do the color mixing.

Using stand-alone operation

Stand-alone operation is where the fixture is not connected to a control device, but is preprogrammed with 2 modes (Auto Color, Auto Fade), that play continuously in a loop, the run speed of "Auto Color", "Auto Fade" are adjustable.

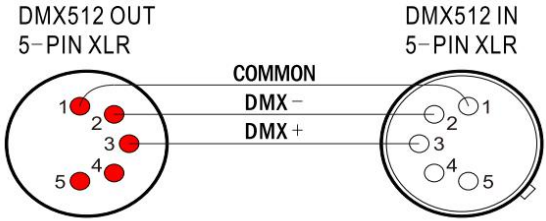
To define a stand-alone program, use the "Auto Program" menus (see "Control menu" on page 13).

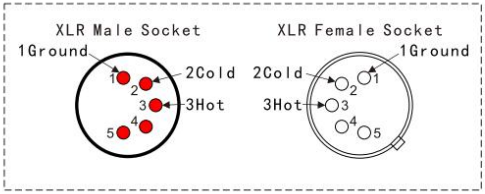
7. Connecting to a DMX control device

The fixture is controllable using a DMX control device and it can be connected using a DMX cable.

If using a cabled DMX system, connect the DMX in cable (with male 5-pin XLR plug) and out cable (with female 5-pin XLR plug) to the DMX data link. Terminate the DMX out cable of the last fixture in the data link. For outdoor installations, use only IP-rated XLR connectors suitable for outdoor use.

The DMX512 is widely used in intelligent lighting control, with a DMX 512 controller. Connect several lights together, DMX in and DMX out, 5 pin XLR connectors:Pin 1: GND, Pin 2: Negative signal (-), Pin 3: Positive signal (+), Pin 4: Spare (unused), Pin 5: Spare (unused)





XLR Pin Configuration
pin1=Ground
pin2=Data Compliment (negative)
pin3=Data true (positive)
pin4=Do Not Use
pin5=Do Not Use

8. Configuring the fixture for DMX control

About DMX

The fixture can be controlled using signals sent by a DMX controller on a number of channels (which varies depending on the DMX mode that has been set).

The first channel used to receive data from a DMX control device is known as the DMX start address. Each fixture must have a DMX start address set. For example, if a fixture has a DMX address of 10 and it is in 4-channel DMX mode, then it uses channels 10, 11,12 and 13. The following fixture in the DMX chain could then be set to a DMX address of 14. If two or more DMX fixtures of the same type have the same DMX address, then they will mimic each other's behaviour. Incorrect settings will result in unpredictable responses to the lighting controller.

Setting the DMX address

The DMX address can be seen on the main screen. To change the address setting, press the up arrow to increase the address, or the down arrow to decrease the setting. When the desired address is displayed, press Enter to save the setting.

Note that channel spacing is determined by the DMX mode.

See the "DMX protocols" on page 11 for specific DMX control values.

Setting the DMX mode

Using the "DMX Channel Mode" menu available from the control panel, specify the DMX mode that provides the fixture controls that you require, confirm chosen mode by pressing 'Enter'.

9. Cleaning

To maintain optimal performance, regular cleaning is essential. Cleaning schedules will vary depending on the operating environment, and the installation should therefore be checked at frequent intervals within the first few weeks of operation to see whether cleaning is necessary. This procedure will allow you to assess cleaning requirements in your par- ticular situation. Clean the fixture using a soft cloth dampened with a solution of water and a mild detergent. Do not use products that contain solvents, abrasives or caustic agents for cleaning, as they can cause damage to both hardware, cables and connectors.

10. DMX/artnet protocols

Configuring DMX is described "Setting the DMX mode" on claus 11.

11. Control menu

7DMX MODE

DMX CHANNEL	DMX CHANNELVALUE	FUNCATION
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	000-005 006-255	DIMMER NOFUNCATION 0-100%
6	000-255	DIMMER 16 BIT
7	000-255	GLASS FROST

15DMX MODE

DMX CHANNEL	DMX CHANNELVALUE	FUNCATION
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	000-009 010-017 018-024 025-032 033-039	NOFUNCATION COLOR1 COLOR2 COLOR3 COLOR4 COLOR5

	040-047	COLOR6
	048-054	COLOR7
	055-061	COLOR8
	062-069	COLOR9
	070-076	COLOR10
	077-084	COLOR11
	085-091	COLOR12
	092-099	COLOR13
	100-106	COLOR14
	107-113	COLOR15
	114-121	COLOR16
	122-128	COLOR17
	129-136	COLOR18
	137-143	COLOR19
	144-151	COLOR20
	152-158	COLOR21
	159-165	COLOR22
	166-173	COLOR23
	174-180	COLOR24
	181-188	COLOR25
	189-195	COLOR26
	196-203	COLOR27
	204-210	COLOR28
	211-217	COLOR29
	218-225	COLOR30
	226-232	COLOR31
	233-240	COLOR32
	241-247	COLOR33
	248-255	
		DIMMER
6	000-005	NOFUNCATION
	006-255	0-100%

7	000-255	DIMMER 16 BIT
8	000-255	STROBE DURATION
9		STROBE RATE
	000-006	NOFUNCATION
	007-255	SLOW TO FAST
10		STROBE
	000-005	NOFUNCATION
	006-050	SLOW OPEN FAST CLOSE
	051-100	FAST CLOSE SLOW OPEN
	101-150	SLOW OPEN AND CLOSE
	151-200	LIGHITENING
	201-255	RODAM STROBE
11		MACRO EFFECT（RGB)
	000-023	NOFUNCATION
	024-031	EFFECT1
	032-039	EFFECT2
	040-047	EFFECT3
	048-055	EFFECT4
	056-063	EFFECT5
	064-071	EFFECT6
	072-079	EFFECT7
	080-087	EFFECT8
	088-095	EFFECT9
	096-103	EFFECT10
	104-111	EFFECT11
	112-119	EFFECT12
	120-127	EFFECT13
	128-135	EFFECT14
	136-143	EFFECT15
	144-151	EFFECT16
	152-159	EFFECT17
	160-167	EFFECT18

	168-175	EFFECT19
	176-183	EFFECT20
	184-191	EFFECT21
	192-199	EFFECT22
	200-207	EFFECT23
	208-215	EFFECT24
	216-223	EFFECT25
	224-231	EFFECT26
	232-239	EFFECT27
	240-247	EFFECT28
	248-255	EFFECT29
12		BUILT IN EFFECT（W）
	000-090	NOFUNCATION
	091-105	EFFECT1
	106-120	EFFECT2
	121-135	EFFECT3
	136-150	EFFECT4
	151-165	EFFECT5
	166-180	EFFECT6
	181-195	EFFECT7
	196-210	EFFECT8
	211-255	EFFECT9
13		BUILT IN EFFECT SPEED
	000-127	LEFT TO RIGHT， SLOW TO FAST
	128-255	RIGHT TO LEFT，SLOW TO FAST
14		FADE EFFECT
	000-255	0-100%
15		GLASS FROST
	000-255	0-100%

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21DMX MODE

DMX CHANNEL	DMX CHANNELVALUE	FUNCATION
1	000-255	RED 0-100%
2	000-255	GREEN 0-100%
3	000-255	BLUE 0-100%
4		NOFUNCATION
	000-009	COLOR1
	010-017	COLOR2
	018-024	COLOR3
	025-032	COLOR4
	033-039	COLOR5
	040-047	COLOR6
	048-054	COLOR7
	055-061	COLOR8
	062-069	COLOR9
	070-076	COLOR10
	077-084	COLOR11
	085-091	COLOR12
	092-099	COLOR13
	100-106	COLOR14
	107-113	COLOR15
	114-121	COLOR16
	122-128	COLOR17
	129-136	COLOR18
	137-143	COLOR19
	144-151	COLOR20
	152-158	COLOR21
	159-165	COLOR22
	166-173	COLOR23
	174-180	COLOR24

	181-188	COLOR25
	189-195	COLOR26
	196-203	COLOR27
	204-210	COLOR28
	211-217	COLOR29
	218-225	COLOR30
	226-232	COLOR31
	233-240	COLOR32
	241-247	COLOR33
	248-255	
		DIMMER（RGB）
5	000-005	NOFUNCATION
	006-255	0-100%
6	000-255	DIMMER 16 BIT （RGB）
7	000-255	STROBE DURATION（RGB）
		STROBE RATE （RGB）
8	000-006	NOFUNCATION
	007-255	SLOW TO FAST
		STROBE(RGB)
	000-005	NOFUNCATION
	006-050	SLOW OPEN FAST CLOSE
9	051-100	FAST CLOSE SLOW OPEN
	101-150	SLOW OPEN AND CLOSE
	151-200	LIGHITENING
	201-255	RODAM STROBE
		MACRO EFFECT（RGB）
	000-023	NOFUNCATION
	024-031	EFFECT1
10	032-039	EFFECT2
	040-047	EFFECT3
	048-055	EFFECT4
	056-063	EFFECT5

	064-071	EFFECT6
	072-079	EFFECT7
	080-087	EFFECT8
	088-095	EFFECT9
	096-103	EFFECT10
	104-111	EFFECT11
	112-119	EFFECT12
	120-127	EFFECT13
	128-135	EFFECT14
	136-143	EFFECT15
	144-151	EFFECT16
	152-159	EFFECT17
	160-167	EFFECT18
	168-175	EFFECT19
	176-183	EFFECT20
	184-191	EFFECT21
	192-199	EFFECT22
	200-207	EFFECT23
	208-215	EFFECT24
	216-223	EFFECT25
	224-231	EFFECT26
	232-239	EFFECT27
	240-247	EFFECT28
	248-255	EFFECT29
11		BUILT IN EFFECT SP (RGB)
	000-127	L TO RIGHT, SLOW TO FAST
	128-255	RIGHT TO LEFT, SLOW TO FAST
12		FADE EFFECT
	000-255	0-100%
13		DIMMER (W)
	000-006	NOFUNCATION
	007-255	0-100%

14	000-255	DIMMER 16 BIT （W）
15	000-255	STROBE DURATION（W）
16	 000-006 007-255	STROBE RATE（W） NOFUNCATION SLOW TO FAST
17	 000-005 006-050 051-100 101-150 151-200 201-255	STROBE(WHITE) NOFUNCATION SLOW OPEN FAST CLOSE FAST CLOSE SLOW OPEN SLOW OPEN AND CLOSE LIGHITENING RODAM STROBE
18	 000-090 091-105 106-120 121-135 136-150 151-165 166-180 181-195 196-210 211-255	内置 EFFECT（W） NOFUNCATION EFFECT1 EFFECT2 EFFECT3 EFFECT4 EFFECT5 EFFECT6 EFFECT7 EFFECT8 EFFECT9
19	 000-127 128-255	BUILT IN EFFECT（W） L TO R，SLOW TO FAST R TO L，SLOW TO FAST
20	 000-255	FADE EFFECT（W） 0-100%
21	 000-255	GLASS FROST 0-100%

39DMX MODE

DMX CHANNEL	DMX CHANNELVALUE	FUNCATION
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		RED6

	000-255	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	000-005 006-255	DIMMER (RGB) NOFUNCATION 0-100%
26	000-255	DIMMER 16 BIT (RGB)
27	000-255	STROBE DURATION (RGB)
28	000-006 007-255	STROBE RATE (RGB) NOFUNCATION SLOW TO FAST
29	000-005 006-050 051-100 101-150 151-200 201-255	STROBE (RGB) NOFUNCATION SLOW OPEN FAST CLOSE FAST CLOSE SLOW OPEN SLOW OPEN AND CLOSE LIGHITENING RODAM STROBE

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	000-006 007-255	DIMMER（W） NOFUNCATION 0-100%
35	000-255	DIMMER 16 BIT （W）
36	000-255	STROBE DURATION（W）
37	000-006 007-255	STROBE RATE（W） NOFUNCATION SLOW TO FAST
38	000-005 006-050 051-100 101-150 151-200 201-255	STROBE- WHITE NOFUNCATION SLOW OPEN FAST CLOSE FAST CLOSE SLOW OPEN SLOW OPEN AND CLOSE LIGHITENING RODAM STROBE
39	000-255	GLASS FROST 0-100%

112DMX MODE

DMX CHANNEL	DMX CHANNELVALUE	FUNCATION
1		RED1

	000-255	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		GREEN6

	000-255	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		BLUE11

	000-255	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	BLUE 14 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		RED17

	000-255	0-100%
50	000-255	GREEN17 0-100%
51	000-255	BLUE 17 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		GREEN22

	000-255	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		BLUE27

	000-255	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		WHITE1

	000-255	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%

17DMX MODE

DMX CHANNEL	DMX CHANNELVALUE	FUNCATION
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		WHITE3

	000-255	0-100%
16	000-255	WHITE4 0-100%
17	000-255	GLASS FROST 0-100%

33DMX MODE

DMX CHANNEL	DMX CHANNELVALUE	FUNCATION
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		BLUE4

	000-255	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		WHITE4

	000-255	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	GLASS FROST 0-100%

65DMX MODE

DMX CHANNEL	DMX CHANNELVALUE	FUNCATION
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		BLUE3

	000-255	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		RED9

	000-255	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		GREEN14

	000-255	0-100%
42	000-255	BLUE 14 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		WHITE9

	000-255	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	GLASS FROST 0-100%

68DMX MODE

DMX CHANNEL	DMX CHANNELVALUE	FUNCATION
1	000-005 006-255	DIMMER NOFUNCATION 0-100%
2	000-007 008-127 128-130 131-250 251-255	STROBE（RGB） NOFUNCATION STROBE，SLOW TO FAST NOFUNCATION RODAM STROBE NOFUNCATION
3		STROBE（W）

	000-007 008-127 128-130 131-250 251-255	NOFUNCATION STROBE，SLOW TO FAST NOFUNCATION RODAM STROBE NOFUNCATION
4	000-255	GLASS FROST 0-100%
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		RED5

	000-255	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		GREEN10

	000-255	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	BLUE13 0-100%
44	000-255	RED14 0-100%
45	000-255	GREEN14 0-100%
46	000-255	BLUE 14 0-100%
47	000-255	RED15 0-100%
48	000-255	GREEN15 0-100%
49		BLUE15

	000-255	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		WHITE13

	000-255	0-100%
66	000-255	WHITE14 0-100%
67	000-255	WHITE15 0-100%
68	000-255	WHITE16 0-100%

117DMX MODE

DMX CHANNEL	DMX CHANNELVALUE	FUNCATION
1	000-005 006-255	DIMMER NOFUNCATION 0-100%
2	000-255	STROBE DURATION
3	000-006 007-255	STROBE RATE NOFUNCATION SLOW TO FAST
4	000-005 006-050 051-100 101-150 151-200 201-255	STROBE NOFUNCATION SLOW OPEN FAST CLOSE FAST CLOSE SLOW OPEN SLOW OPEN AND CLOSE LIGHITENING RODAM STROBE
5	000-255	GLASS FROST 0-100%
6	000-255	RED1 0-100%
7	000-255	GREEN1 0-100%
8		BLUE1

	000-255	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		RED7

	000-255	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		GREEN12

	000-255	0-100%
41	000-255	BLUE12 0-100%
42	000-255	RED13 0-100%
43	000-255	GREEN13 0-100%
44	000-255	BLUE13 0-100%
45	000-255	RED14 0-100%
46	000-255	GREEN14 0-100%
47	000-255	BLUE 14 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		BLUE 17

	000-255	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		RED23

	000-255	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		GREEN28

	000-255	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		WHITE3

	000-255	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%

70DMX MODE

DMX CHANNEL	DMX CHANNELVALUE	FUNCATION
1		DIMMER

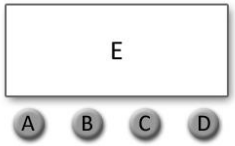
	000-006 007-255	NOFUNCATION 0-100%
2	 000-007 008-127 128-130 131-250 251-255	STROBE- RGB SLOW OPEN FAST CLOSE FAST CLOSE SLOW OPEN SLOW OPEN AND CLOSE LIGHITENING RODAM STROBE
3	 000-007 008-127 128-130 131-250 251-255	STROBE-W SLOW OPEN FAST CLOSE FAST CLOSE SLOW OPEN SLOW OPEN AND CLOSE LIGHITENING RODAM STROBE NOFUNCATION
4	 000-255	GLASS FROST 0-100%
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		GREEN3

	000-255	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		BLUE8

	000-255	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	BLUE13 0-100%
44		RED14

	000-255	0-100%
45	000-255	GREEN14 0-100%
46	000-255	BLUE 14 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		WHITE8

	000-255	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 IN EFFECT (RGB) 0-100%
70	000-255	FADE OUT EFFECT (W) 0-100%



A. MENU
B. UP
C. DOWN
D. CONFIRM
E. DIGITAL DISPLAY WINDOW

Display:

MENU To select the programming functions **(press to unlock screen)**

DOWN To go backward in the selected functions

UP To go forward in the selected functions

ENTER To confirm the selected functions

Set DMX Address:

1. Press "**MENU**" to unlock screen, then select the "**DMX Address**" and press "**ENTER**".
2. Showing "**Set DMX Address 001**", Press the "**UP** or **DOWN**" key to increase or decrease the DMX address value.
3 Press "**ENTER**" to save and Exit, Press "**Cancel**" does not save and Exit.

DMX	DMX Address	1-512	
	Channel Mode	7CH	
		15CH	
		21CH	
		39CH	
		112CH	
		17CH	
		33CH	
		65CH	
		68CH	
		117CH	
		70CH	
	No DMX Status	Blackout	
		Hold	
		Auto	
	Connect	DMX	
		Art-Net	
	Network	IP address	xxx.xxx.xxx.xxx
		Subnet Mask	xxx.xxx.xxx.xxx
	Art-Net_Port Art-Net	0-5000	

SET	Display Invert	Yes/ No	
	Display Backlight	Off - 2 min	
	Key Lock	ON/OFF	
	Language	English/中文	
MANUAL	RED	0-255	
	Gren	0-255	
	Blue	0-255	
	White	0-255	
	Dimmer	0-255	
	Strobe	0-255	
AUTO	Scene	1-15	
	Speed	1-100	
INFO	Fixture Use Hour		
	LED Use Hour	Total LED Hour	
		LED On Hour	
		LED Hours Reset	Yes/No
	RDM UID	xxxxxx	

	Version	x.xx	

12. Specification

Light source

• Color light: 672 x 1 W RGB LED

• White light: 112 x 3W CW LED

Power supply : 420W

Features

32 color light zones can be controlled individually

16 white light zones can be controlled individually

Excellent color mixing function

Powerful high-output strobe effect

Built-in splicing pins for fast splicing and alignment

Electronic atomization effect

0-100% smooth dimming function(4 dimmer curve- Linear, Square Law, Inv SQ Lawor S Curve)

Optical system

Efficient optical system

Beam angle:

Color light beam angle: 101°

White light beam angle: 108°

Spot angle:

Color light spot angle: 149°

White light spot angle: 152°

Control and program

4 touch buttons

Control panel: 1.77 color screen display

Control protocol: DMX512, RDM，Art-Net, sACN

DMX channel mode: 11

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

Software upgrade: Update software via DMX connection

Construction

DMX link: 5 pin DMX XLR with daisy chain connection

Power link: Powercon In/out

Protection rate: IP65

Housing: Die-cast aluminum and pure aluminum

Physical

Dimension: 1007*121*150mm **Net Weight:** 8kg