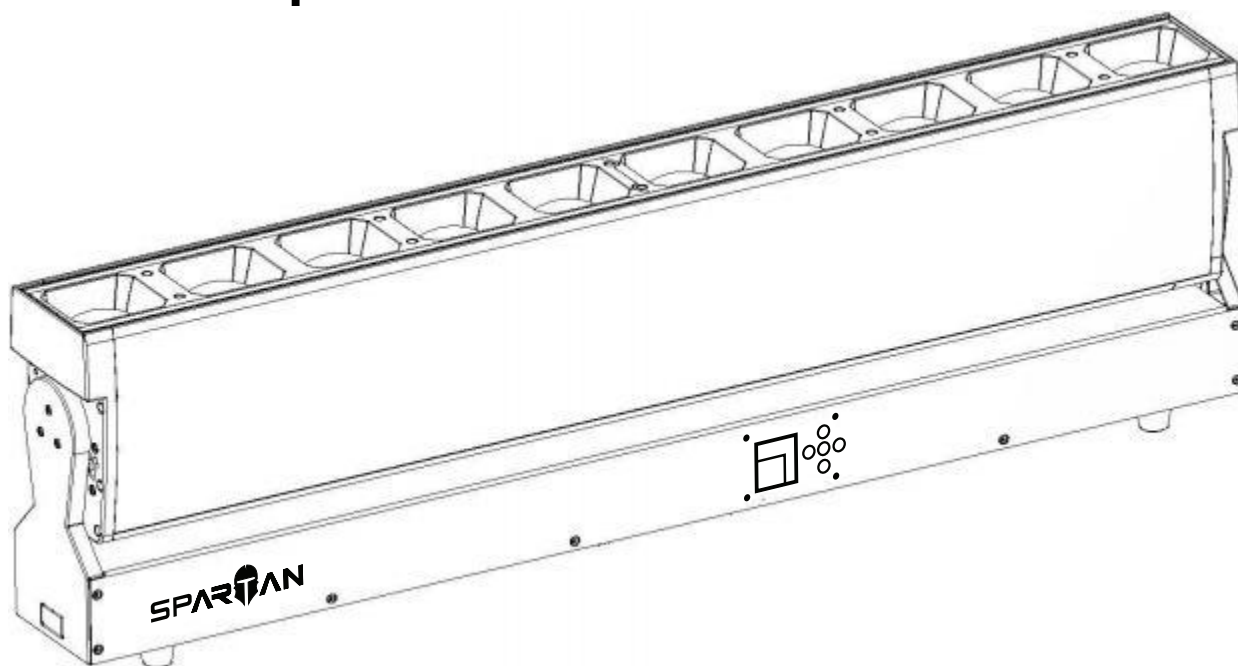


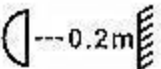
SPARTAN



1060 Super Dotline

10pcs 60W RGBW 4-in-1 LED



CE F IP20 LED  $t_a 40^{\circ}\text{C}$ $t_c 150^{\circ}\text{C}$

**User Manual KEEP THIS MANUAL
FOR FUTURE NEEDS**

1. Unpacking

Thank you for choosing our fixture. 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.

4-IN-1 LEDs(RGBW) 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:

Moving Head-----One

Signal Cable----One

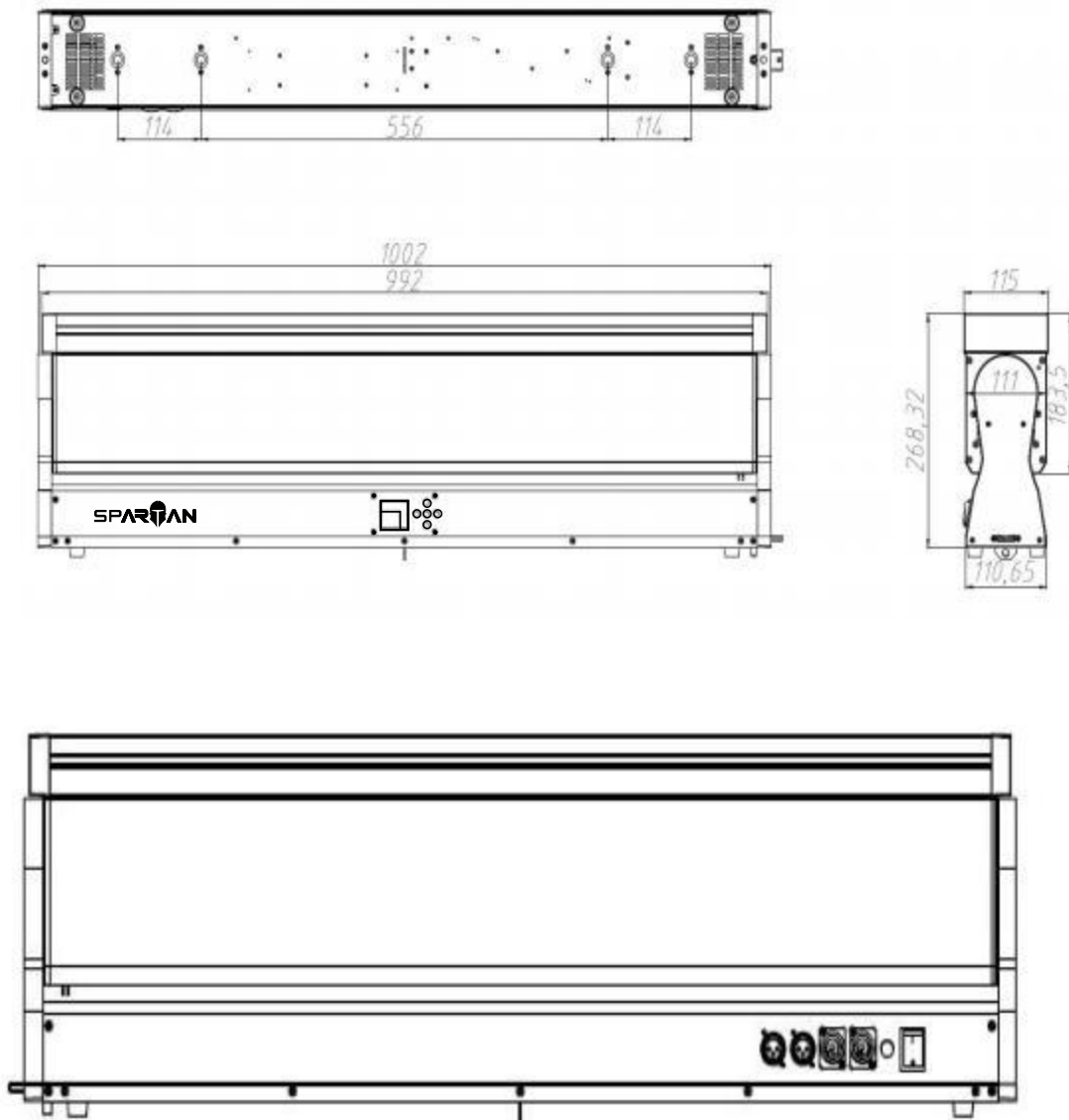
Hanging Bracket-----Two

Power Cable----One

Safety Cable-----one

User Manual----One

2. Product Introduction



3. 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.



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

- This light is for wash effect for on-site decoration 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 where the fixture might be

reached by unauthorized personnel.

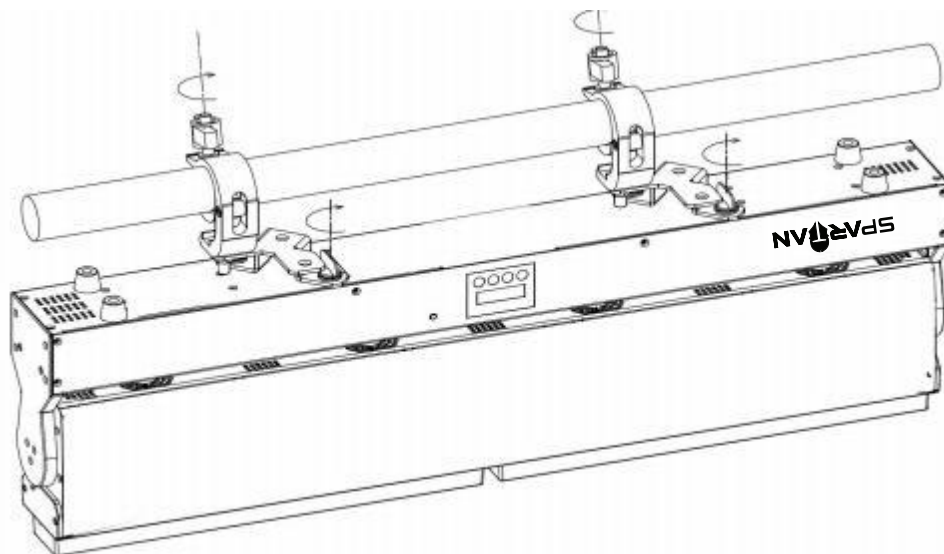
Before mounting the fixture to any surface, make sure that the installation area can hold a minimum point load of 10 times the device's weight.

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.

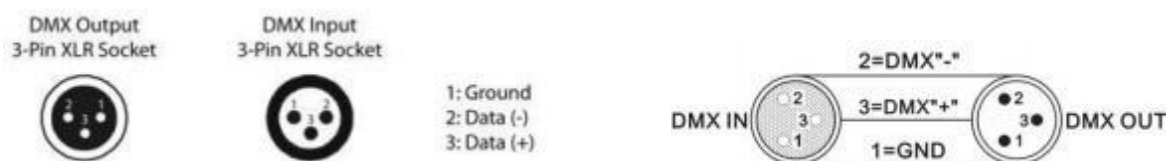
Be sure to complete all rigging and installation procedures before connecting the main power cord to the appropriate wall outlet.

Clamp Mounting: The product provides a unique mounting bracket assembly that integrates the bottom of the base, the included "Omega Bracket," 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 one of the safety cable rigging points integrated in the base assembly.



Regardless of the rigging option you choose for your LED pixel Zoom par, 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



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. Display instruction

Main Menu	DMX Address	001 - 512		
	DMX Set up	Channel Mode	17CH /27CH/99CH/108CH/168CH	
		Run Mode	DMX / Auto	
		Tilt Invert	Open/Close	
		Dimmer Fast	Open/Close	
	Manual	Tilt	000 - 255	
		Tilt Fine	000 - 255	
		ZOOM	000 - 255	
		Dimmer	000 - 255	
				
	Information	Time information	Current time	00000H
			Total time	00000H
			Power count	0
		Sensor	Tilt	Norm/Wrong
			Zoom 1	Norm/Wrong
			Zoom 2	Norm/Wrong
			Temp	Norm/Wrong
		Temperature	Head Temp	000°C
		Softwear Version	Pannel	Vx.xx
			Dimmer	Vx.xx
	Factory	Password	157	
		Tilt	127	
		Zoom 1	127	
		Zoom 2	127	
		Red	000 - 255	
		Green	000 - 255	
				
				
	Reset	All reset	Run/OFF	
		Factory	Run/OFF	
	Display	Language	EN/CH	
		Display Flip	Yes/No	
		Display Mode	60s/Show	

8. DMX Channels

17CH

CH	DMX Value	Instruction
1	0-255	Tilt
2	0-255	Tilt Fine
3	0-255	ZOOM
4	0-255	Dimmer
5	0-255	Strobe
6	0-255	Effect White strobe
7	0-255	Effect Color Strobe
8	0-255	Macro
9	0-255	Red
10	0-255	Green
11	0-255	Blue
12	0-255	White
13	0-255	Effect cool white
14	0-255	Effect warm white
15	0-255	Effect Red
16	0-255	Effect Green
17	0-255	Effect Blue

27CH

CH	DMX Value	Instruction
1	0-255	Tilt
2	0-255	Tilt Fine
3	0-255	ZOOM
4	0-255	Dimmer
5	0-255	strobe
6	0-255	Effect White strobe
7	0-255	Effect Color Strobe
8	0-255	Macro
9	0-255	Red
10	0-255	Green
11	0-255	Blue
12	0-255	White
13	0-255	CTO
14	0-255	Color
15	0-255	Macro
16	0-255	Marco speed
17	0-255	Effect cool white

18	0-255	Effect warm white
19	0-255	Effect white CTO
20	0-255	Effect white macro
21	0-255	Effect white marco speed
22	0-255	Effect Red
23	0-255	Effect Green
24	0-255	Effect Blue
25	0-255	Effect color
26	0-255	Effect color macro
27	0-255	Effect color macro speed

99CH

CH	DMX Value	Instruction
1	0-255	Tilt
2	0-255	Tilt Fine
3	0-255	ZOOM
4	0-255	Dimmer
5	0-255	Strobe
6	0-255	Effect White strobe
7	0-255	Effect Color Strobe
8	0-255	Macro
9	0-255	Red 1
10	0-255	Green 1
11	0-255	Blue 1
12	0-255	White 1
13	0-255	Red 2
14	0-255	Green 2
15	0-255	Blue 2
16	0-255	White 2
.....	0-255	.....
45	0-255	Red 10
46	0-255	Green 10
47	0-255	Blue 10
48	0-255	White 10
49	0-255	Effect cool white 1
50	0-255	Effect warm white 1
51	0-255	Effect cool white 2
52	0-255	Effect warm white 2
...	0-255	...
65	0-255	Effect cool white 9
66	0-255	Effect warm white 9
67	0-255	Effect cool white
68	0-255	Effect warm white

69	0-255	Effect cool white
70	0-255	Effect warm white
..	0-255	.....
95	0-255	Effect cool white
96	0-255	Effect warm white
97	0-255	Effect Red
98	0-255	Effect Green
99	0-255	Effect Blue

108CH

CH	DMX Value	Instruction
1	0-255	Tilt
2	0-255	Tilt Fine
3	0-255	ZOOM
4	0-255	Dimmer
5	0-255	Strobe
6	0-255	Effect White strobe
7	0-255	Effect Color Strobe
8	0-255	Macro
9	0-255	Red 1
10	0-255	Green 1
11	0-255	Blue 1
12	0-255	White 1
13	0-255	Red 2
14	0-255	Green 2
15	0-255	Blue 2
16	0-255	White 2
...	0-255	.....
45	0-255	Red 10
46	0-255	Green 10
47	0-255	Blue 10
48	0-255	White 10
49	0-255	Effect Cool white 1
50	0-255	Effect warm white 1
51	0-255	Effect Cool white 2
52	0-255	Effect warm white 2
...	0-255	.....
65	0-255	Effect Cool white 9
66	0-255	Effect warm white 9
67	0-255	Effect cool white
68	0-255	Effect warm white
..	0-255	.....
71	0-255	Effect cool white

72	0-255	Effect warm white
73	0-255	Effect Red 1
74	0-255	Effect Green 1
75	0-255	Effect Blue 1
...	0-255	.....
97	0-255	Effect Red 9
98	0-255	Effect Green 9
99	0-255	Effect Blue 9
100	0-255	Effect Red
101	0-255	Effect Green
102	0-255	Effect Blue
---	0-255	.....
106	0-255	Effect Red
107	0-255	Effect Green
108	0-255	Effect Blue

168CH

CH	DMX Value	Instruction
1	0-255	Tilt
2	0-255	Tilt Fine
3	0-255	ZOOM
4	0-255	Dimmer
5	0-255	Strobe
6	0-255	Effect White strobe
7	0-255	Effect Color Strobe
8	0-255	Macro
9	0-255	Red 1
10	0-255	Green 1
11	0-255	Blue 1
12	0-255	White 1
13	0-255	Red 2
14	0-255	Green 2
15	0-255	Blue 2
16	0-255	White 2
...	0-255	.....
45	0-255	Red 10
46	0-255	Green 10
47	0-255	Blue 10
48	0-255	White 10
49	0-255	Effect cool white 1
50	0-255	Effect warm white 1
...	0-255	.....
95	0-255	Effect cool white 24

96	0-255	Effect warm white 24
97	0-255	Effect Red 1
98	0-255	Effect Green 1
99	0-255	Effect Blue 1
...	0-255	.....
163	0-255	Effect Red 23
164	0-255	Effect Green 23
165	0-255	Effect Blue 23
166	0-255	Effect Red 24
167	0-255	Effect Green 24
168	0-255	Effect Blue 23

9. Key Features

Voltage: AC90-240V 50/60Hz

Max Power: 850 W

Source: 10pcs 60W RGBW 4in1 LED

Cool white 96x1w, warm white 96x1w , RGB 3in1 96x1w LED

Beam degree: 4°-60° 39000LUX@5M@minimum angle

Color temperature: 2500k-9000k

Tilt: 270 degree+ fine

LED Lifetime: Average 50,000 hours

Led: pixel control Strobe: 25 times per second

Dimmer: 0-100% linear dimmer

DMX signal interface: 3 pin/ 5 pin/ Art-net input output

Screen: 1.77 -inch color LCD display software upgrade: update software through DMX connection

Channel: 17/27/99/108/168 five channel mode Control mode:

DMX-512,Auto-run, Sound activated

Cooling system: fan forced cooling system

Working environment: Indoor

Fixture size: 100*11.5*29 cm

Size of Carton case(1in1):109*18*35 cm

Net weight: 19.2 KG

Gross Weright: 22 KG

With Wash, beam, special effects , macro effect.

4 kinds 0-100% linear dimming mode.

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 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.

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