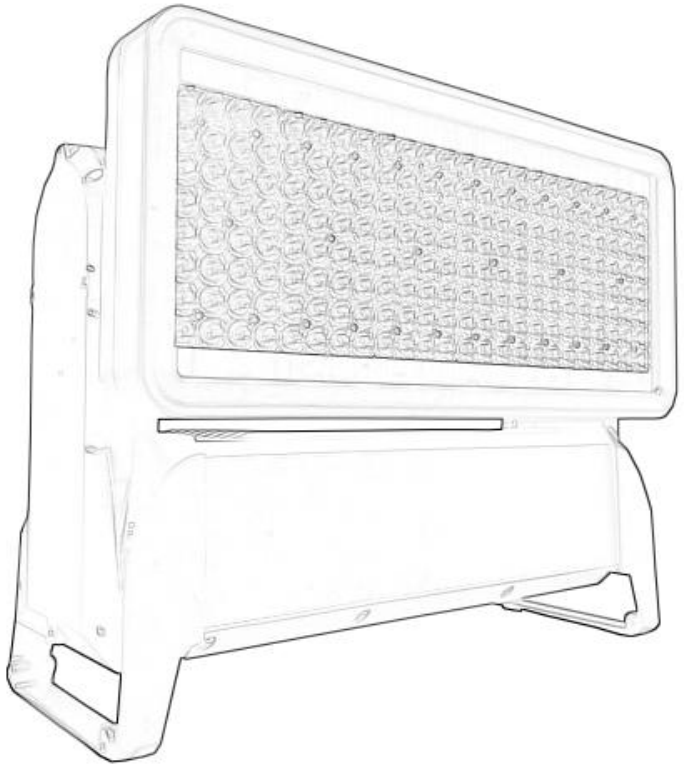
lighting PLUS

User manual



IP-WS1500

Please read the instructions carefully before use

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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.Safety Instructions

Please keep this User Guide for future consultation. If you sell the unit to another user, be sure that they also receive this instruction booklet.
•Unpack and check carefully there is no transportation damage before using the unit.
•Before operating, ensure that the voltage and frequency of power supply match the power requirements of the unit.
•It's important to ground the yellow/green conductor to earth in order to avoid electric shock.
•The unit is for indoor use only. Use only in a dry location.
•The unit must be installed in a location with adequate ventilation, at least 50cm from adjacent surfaces. Be sure that no ventilation slots are blocked.
•Disconnect main power before replacement or servicing.
•Make sure there are no flammable materials close to the unit while operating as it is fire hazard.
•Use safety cable when fixes this unit. DO NOT handle the unit by taking its head only, but always by taking its base.
•Maximum ambient temperature is Ta: 40℃. DO NOT operate it where the temperature is higher than this Unit surface temperature may reach up to 85℃. DO NOT touch the housing bare-hand during its operation. Turn off the power and allow about 15 minutes for the unit to cool down before replacing or serving.
•the event of serious operating problem, stop using the unit immediately.Never try to repair the unit by yourself. Repairs carried out by unskilled people can lead to damage or malfunction. Please contact the nearest authorized technical assistance center. Always use the same type spare parts.
•DO NOT touch any wire during operation as high voltage might be causing electric shock.

Warning:
•To prevent or reduce the risk of electrical shock or fire, do not expose the unit to rain or moisture.
•The housing, the lenses, or the ultraviolet filter must be replaced if they are visibly damaged.

Caution:
•There are no user serviceable parts inside the unit. DO NOT open the housing or attempt any repairs yourself. In the unlikely event your unit may require service, please contact your nearest dealer.

Installation:
•The unit should be mounted via its screw holes on the bracket. Always ensure that the unit is firmly fixed to avoid vibration and slipping while operating. And make sure that the structure to which you are attaching the unit is secure and is able to support a weight of 10 times of the unit's weight. Also always use a safety cable that can hold 12 times of the weight of the unit when installing the fixture.
•The equipment must be fixed by professionals. And it must be fixed at a place where is out of the touch of people.

2.Technical Specifications

Light source: 192 x 10W RGBW 4in1 led

die-cast aluminum IP65

Beam Angle: 26°

Power consumption: 1500W

Tilt:180°

Stage dyeing, strobe, effect, lamp beads are divided into 16 sections

DXM channel : 14CH/ 18CH / 30CH/ 66CH/ 70CH

Dimmer: 0-100% 16-bit dimming

Shutter: 0-20Hz strobe

DMX Connections:XLR 5-Pin & 3-Pin In/Out

Power Input: PowerCON True1 input

IP rate ： IP65

Dimension:424*188*357mm.NW:12.65KGS

3.Control Menu

Main Menu	Submenu	Menu function
DMX SETTINGS	DMX Address	Set the DMX start address
		1-499 (14CH)
		1-495 (18CH)
		1-483 (30CH)
		1-447 (66CH)
		1-443 (70CH)
		/
		/
	DMX Channel Mode	Set the DMX channel mode
		14CH
		18CH
		30CH
		66CH
		70CH

		/	
	No DMX Status	Blackout	Takes all traits to 0 when DMX signal is lost or interrupted.
		Hold	Holds all traits at last received value when DMX signal is lost or interrupted.
DMX SETTINGS	No DMX Status	Manual	Defaults to values set in Manual Mode when DMX signal is lost or interrupted.
	Connect	DMX	
		Art-Net	
		SACN	
	Network	IP address XXX.XXX.XXX.XXX	
		Subnet Mask XXX.XXX.XXX.XXX	
	Art-Net Settings	Net (0-127)	
		Sub-Net(0-15)	
		Universe (0-15)	
	SACN Settings	Universe(1-32000)	
		Priority (0-200)	
PERSONALITY	Dim Modes	Standard	
		Stage	
		TV	
		Architectural	
		Theatre	
		Stage 2	
	Dimmer Curve	Linear	
		Square	
		Inv. Sq	
		S-Curve	
	Display	Display Backlight	Off - 2 min
		Display Lock	Off - 10 min
		Display Invert	Auto / No / Yes
		Language	English/CN
	Tilt Reverse	No / Yes	
PERSONALITY	Pixel Reverse	No / Yes	
	Temperature Unit	°C / °F	
	Fan Speed	Auto	
		High	
		Auto	
MANUAL	Tilt	000 - 255	

	Red	000 - 255	
	Green	000 - 255	
	Blue	000 - 255	
	White	000 - 255	
	Dimmer	000 - 255	
	Strobe Effect	000 - 255	
	Strobe Rat	000 - 255	
	Strobe Duration	000 - 255	
FIXTURE TEST	All Test		
	Tilt Test		
	Lamp Test		
FIXTURE INFO	Fixture Use Hour		
	LED Use Hour	Total LED Hour	
		LED On Hour	
		LED Hours Rese	
	Temperature		
	Fan State		
	RDM UID (ID)	XXXXXX	
	Error Log	Fixture Errors	LED Fan Error
			Temperature Error
		Reset Error Log	No / Yes
	Firmware Version	xxx	
RESET	All Reset	No / Yes	

4.DMX Channels

CH14

CHANNEL	DMX VALUE	FUNCTION
1	000 - 255	TILT
2	000 - 255	TILT FINE
3	000 - 255	Dimmer, 0% to 100%
4		Strobe Effect
	000 - 002	Open
	003 - 005	Strobe
	006 - 050	Ramp up
	051 - 100	Ramp down
	101 - 150	Ramp up-down
	151 - 200	Lightning
	201 - 255	Random
5	000 - 255	Strobe Rate, slow to fast
6	000 - 255	Strobe Duration, slow to fast
7	000 - 255	CCT
8	000 - 255	Color
9	000 - 255	Red
10	000 - 255	Green
11	000 - 255	Blue
12	000 - 255	White
13	000 - 255	Program
14	000 - 255	Speed

CH18

CHANNEL	DMX VALUE	FUNCTION
1	000 - 255	TILT
2	000 - 255	TILT FINE
3	000 - 255	Red1
4	000 - 255	Green1
5	000 - 255	Blue1
6	000 - 255	White1
7	000 - 255	Red2
8	000 - 255	Green2
9	000 - 255	Blue2
10	000 - 255	White2
11	000 - 255	Red3
12	000 - 255	Green3
13	000 - 255	Blue3
14	000 - 255	White3
15	000 - 255	Red4
16	000 - 255	Green4
17	000 - 255	Blue4
18	000 - 255	White4

CH30

CHANNEL	DMX VALUE	FUNCTION
1	000 - 255	TILT
2	000 - 255	TILT FINE
3	000 - 255	Dimmer, 0% to 100%
4		Strobe Effect
	000 - 002	Open
	003 - 005	Strobe
	006 - 050	Ramp up
	051 - 100	Ramp down
	101 - 150	Ramp up-down
	151 - 200	Lightning
	201 - 255	Random
5	000 - 255	Strobe Rate, slow to fast
6	000 - 255	Strobe Duration, slow to fast
7	000 - 255	CCT
8	000 - 255	Color
9	000 - 255	Red
10	000 - 255	Green
11	000 - 255	Blue
12	000 - 255	White

13	000 - 255	Program
14	000 - 255	Speed
15	000 - 255	Red1
16	000 - 255	Green1
17	000 - 255	Blue1
18	000 - 255	White1
19	000 - 255	Red2
20	000 - 255	Green2
21	000 - 255	Blue2
22	000 - 255	White2
23	000 - 255	Red3
24	000 - 255	Green3
25	000 - 255	Blue3
26	000 - 255	White3
27	000 - 255	Red4
28	000 - 255	Green4
29	000 - 255	Blue4
30	000 - 255	White4

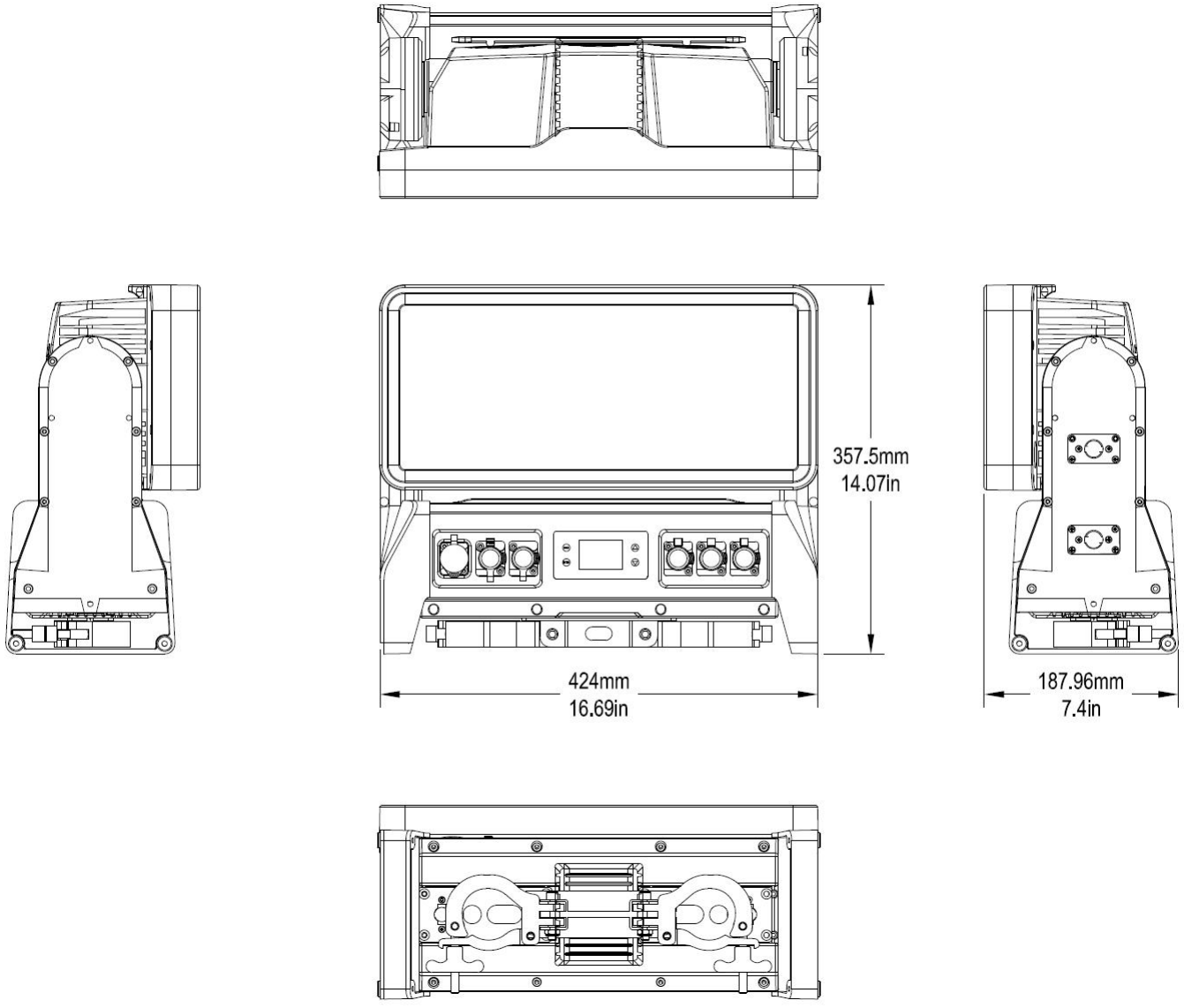
66 CH

CHANNEL	DMX VALUE	FUNCTION
1	000 - 255	TILT
2	000 - 255	TILT FINE
3	000 - 255	Red1
4	000 - 255	Green1
5	000 - 255	Blue1
6	000 - 255	White1
…		
63	000 - 255	Red16
64	000 - 255	Green16
65	000 - 255	Blue16
66	000 - 255	White16

70 CH

CHANNEL	DMX VALUE	FUNCTION
1	000 - 255	TILT
2	000 - 255	TILT FINE
3	000 - 255	Dimmer, 0% to 100%
4		Strobe Effect
	000 - 002	Open
	003 - 005	Strobe
	006 - 050	Ramp up
	051 - 100	Ramp down
	101 - 150	Ramp up-down
	151 - 200	Lightning
	201 - 255	Random
5	000 - 255	Strobe Rate, slow to fast
6	000 - 255	Strobe Duration, slow to fast
7	000 - 255	Red1
8	000 - 255	Green1
9	000 - 255	Blue1
10	000 - 255	White1
…		
67	000 - 255	Red16
68	000 - 255	Green16
69	000 - 255	Blue16
70	000 - 255	White16

5.Dimension



6.Trouble Shooting

Following are a few common problems that may occur during operation. Here are some suggestions for easy troubleshooting:

A. The unit does not work, no light and the fan does not work

1. Check the connection of power and main fuse.
2. Measure the mains voltage on the main connector.
3. Check the power on LED.

B. Not responding to DMX controller

1. DMX LED should be on. If not, check DMX connectors, cables to see if link properly.
2. If the DMX LED is on and no response to the channel, check the address settings and DMX polarity.
3. If you have intermittent DMX signal problems, check the pins on connectors or on

PCB of the unit or the previous one.

4. Try to use another DMX controller.
5. Check if the DMX cables run near or run alongside to high voltage cables that may cause damage or interference to DMX interface circuit.

C. One of the channels is not working well

1. The stepper motor might be damaged or the cable connected to the PCB is broken.
2. The motors drive IC on the PCB might be out of condition

7.Fixture Cleaning

The cleaning of internal and external optical lenses and/or mirrors must be carried out periodically to optimize light output. Cleaning frequency depends on the environment in which the fixture operates: damp, smoky or particularly dirty surrounding can cause greater accumulation of dirt on the unit's optics.

Clean with soft cloth using normal glass cleaning fluid.

Always dry the parts carefully.

Clean the external optics at least every 20 days. Clean the internal optics at least every 30/60 days.