



Captain 19A

19*30W RGBW 4in1 Beam Wash Zoom



User manual

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

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 motor's drive IC on the PCB might be out of condition.

6. 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.**

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°C. DO NOT operate it where the temperature is higher than this Unit surface temperature may reach up to 85°C. 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.**
- ⚠ **In 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.**
- ⚠ **DO NOT open the unit within five minutes after switching off.**
- ⚠ **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 Sources: 19 x 30W 4in1 RGBW LED

Beam Angle: 6°~ 55°

Power Consumption: 600W

Power Voltage: AC 100-240V, 50/60Hz

Dimension: 36*28*47 cm

Net Weight: 14.2 Kgs

Gross Weight: 16 Kgs

Control

DMX Channel: 19/27 Channel

Control Modes: DMX512/master-Slave/Auto Run/Music

Pan/Tilt

Pan/Tilt: 540°/ 270°

Pan/Tilt Resolution: 8/16 bit

Construction

Display: 180° reversible LCD colorful Display

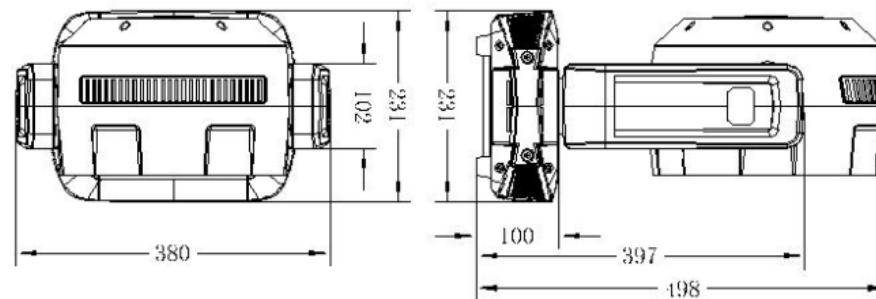
Data In/Out socket: 3-pin & 5-pin XLR sockets

Power Socket: Powercon in/out

Protection Rating: IP20

Features

Motorized liner zoom system, zoom range: 6°~55°



5. Trouble shooting

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

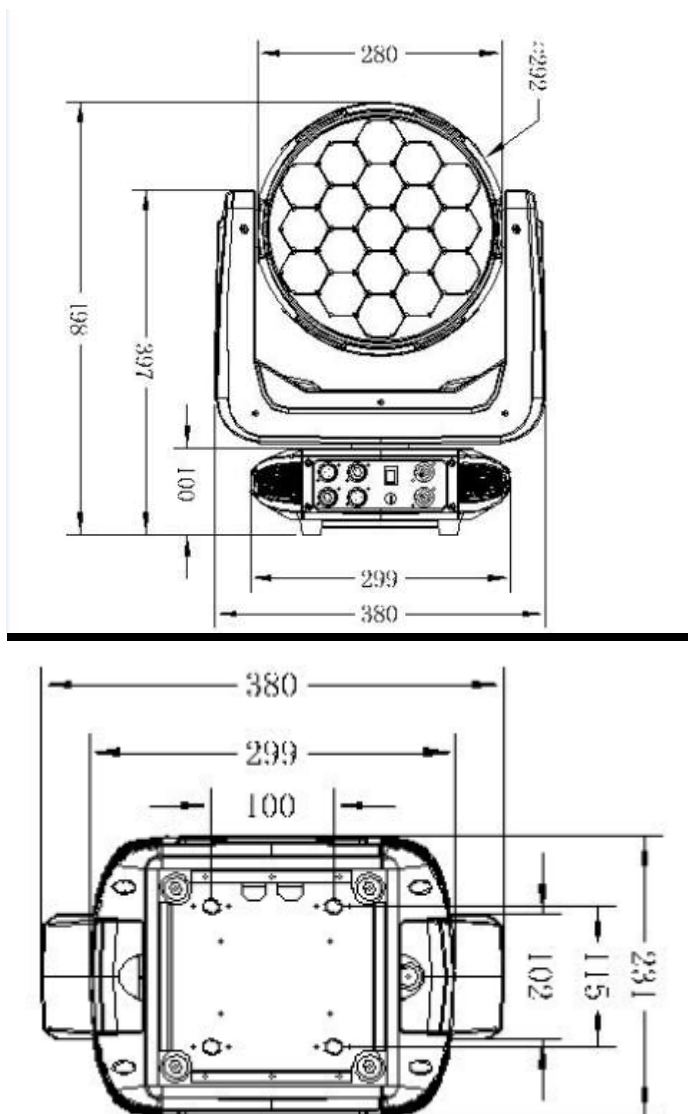
A. The unit does not work, no light and the fan does not work

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.

4. Shape



Outstanding color macro effect

Dimmer: 0~100% smooth dimming

Variable strobe effects

Fast, quiet operation and flicker free

Three section, led circle control

3. How To Control The Unit

The DMX512 is widely used in intelligent lighting control, with a DMX 512 controller. connect several lights together, dmX in and dmX out,

3 pin XLR connectors: Pin 1: GND, Pin 2: Negative signal (-), Pin 3: Positive signal (+)

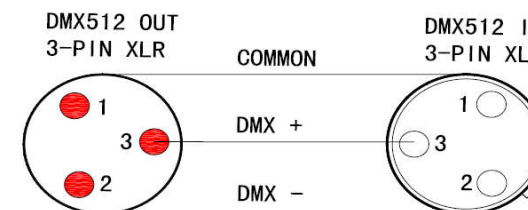
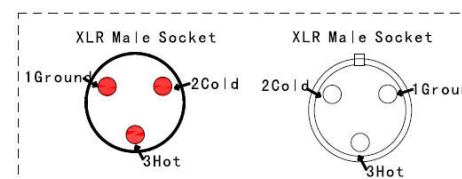


Figure2



XLR Pin Configuration

pin1=Ground
pin2=Data Compliment (negative)
pin3=Data true (positive)

Display:

MENU To select the programming functions
 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 Code

1 Press "Menu" to "Set DMX Address", and press "ENTER" keys to enter into

2 Show "Set DMX Address DMX Address:001",Press the "UP and DOWN"

keys to amended

3 Press "ENTER"keys to save and Exit,Press the"MENU"Keys does not save and Exit

1	Address	Address 001～512	Address setting 001-512
2	Run Mode	1.DMX512	Console control
		2.Auto	1.Master
			2.Alone
		3.Sound	1.Master
			2.Alone
3	Reverse	1.Pan Pan forward or reversed setting	1.Yes
			2.No
		2.Tilt Tilt forward or reversed setting	1.Yes
			2.No
		3.Display Display forward or reversed setting	1.Yes
			2.No
4	Channel	27 channels	27 channel mode
		19 channels	19 channel mode
5	Pan Degree	540	Pan angle 540°/360°
		360	Rotation
6	Mic sense	001-100	Sound sensitivity 001-100
7	Inform	1.CH Value	Each channel show CH value

		31-46	Chase 2
		47-62	Chase 3
		63-78	Chase 4
		79-94	Chase 5
		95-110	Chase 6
		111-126	Chase 7
		127-142	Chase 8
		143-158	Chase 9
		159-174	Chase 10
		175-190	Chase 11
		191-206	Chase 12
		207-222	Chase 13
		223-238	Chase 14
		239-255	Chase 15
17	25		<u>Chase Speed:</u>
		0-125	Fast to Slow Backward
		126-130	Stop(Speed=0)
		131-255	Slow to Fast Forward
18	26		<u>Chase Fade:</u>
		0-255	Fade Chase
19	27		<u>Lamp on/off, reset, internal programs:</u>
		0-79	Normal
		80-99	All motor reset
		100-255	Normal

		20-24	White4
		25-29	White5
		30-34	White6
		35-39	Red
		40-44	Green
		45-49	Blue
		50-54	Natural White
		55-59	Full White
		60-64	Yellow
		65-69	Magenta
		70-74	Cyan
		75-79	Salmon
		80-84	Turquoise
		85-89	Light Green
		90-94	Steel Blue
		95-99	Orange
		100-104	Straw
		105-109	Pale Lavander
		110-114	Pink
		115-119	RED/WHITE
		120-124	GREEN/RED
		125-129	BLUE/GREEN
		130-134	WHITE/RED
		135-139	GREEN/PINK
		140-144	RED/TURQUOISE
		145-149	RED/WHITE/BLUE
		150-255	Reserved
16	24		<u>Chase Patterns:</u>
		1--14	Led trun off
		15-30	Chase 1

		2.Temp ____ °C	Show the temperature of led board
		3.Soft V1.0	Show the version number
8	Reset	1.Yes	Reset
		2.No	
9	Default	3.Yes	Factory setting
		4.No	
10	Adjust	Pass word	****
		1.Pan	Pan fine control
		2.Tilt	Tilt fine control
		3.Focus	Zoom fine control

DMX channel's functions and values (19/27DMX channels):

Mode/Channel		Value	Function
Standard	Zone		
1	1		<u>PAN Movement 8bit :</u>
		0-255	Pan Movement
2	2		<u>Pan Fine 16bit</u>
		0-255	Fine control of Pan movement
3	3		<u>TILT Movement 8bit :</u>
		0-255	Tilt Movement
4	4		<u>Tilt Fine 16bit</u>
		0-255	Fine control of Tilt movement
5	5		<u>Speed Pan/Tilt movement:</u>
		0-225	max to min speed
		226-255	no function
6	6		<u>STROBE</u>
		0-255	Strobe from slow to fast

7	7		<u>Dimmer intensity:</u>
		0-255	Intensity 0 to 100%
8	8		<u>Dimmier mode</u>
		0-49	Dimmer mode 1
		50-99	Dimmer mode 2
		100-149	Dimmer mode 3
		150-255	Dimmer mode 4
9	9		<u>Zoom :</u>
		0-255	Zoom adjustment
10			<u>Red LED -all arrays :</u>
		0-255	Red (0-Black , 255-100% Red)
11			<u>Green LED-all arrays :</u>
		0-255	Green (0-Black , 255-100% Green)
12			<u>Blue LED -all arrays :</u>
		0-255	Blue (0-Black , 255-100% Blue)
13			<u>White LED -all arrays :</u>
		0-255	White (0-Black , 255-100% White)
	10		<u>Red LED -array 1 :</u>
		0-255	Red (0-Black , 255-100% Red)
	11		<u>Green LED-array 1 :</u>
		0-255	Green (0-Black , 255-100% Green)
	12		<u>Blue LED -array 1 :</u>
		0-255	Blue (0-Black , 255-100% Blue)
	13		<u>White LED -array 1 :</u>
		0-255	White (0-Black , 255-100% White)
	14		<u>Red LED -array 2 :</u>
		0-255	Red (0-Black , 255-100% Red)
	15		<u>Green LED-array 2 :</u>
		0-255	Green (0-Black , 255-100% Green)
	16		<u>Blue LED -array 2 :</u>

		0-255	Blue (0-Black , 255-100% Blue)
	17		<u>White LED -array 2 :</u>
		0-255	White (0-Black , 255-100% White)
	18		<u>Red LED -array 3 :</u>
		0-255	Red (0-Black , 255-100% Red)
	19		<u>Green LED-array 3 :</u>
		0-255	Green (0-Black , 255-100% Green)
	20		<u>Blue LED -array 3 :</u>
		0-255	Blue (0-Black , 255-100% Blue)
	21		<u>White LED -array 3:</u>
		0-255	White (0-Black , 255-100% White)
14	22		<u>Rainbow:</u>
		0-4	No function
		5-29	R
		30-54	G
		55-79	B
		80-104	W
		105-129	Rainbow colours 1
		130-154	Rainbow colours 2
		155-174	Rainbow colours 3
		175-179	Rainbow colours 4
		180-184	Rainbow colours 5
		185-189	Rainbow colours 6
		190-210	Rainbow colours 7
		211-255	Crossfading colours from slow to fast
15	23		<u>Color Presets:</u>
		0-4	No function
		5--9	White1
		10--14	White2
		15-19	White3