

## **LED Beam+Wash 19x15W RGBW Zoom Light**



**CAUTION!** Keep this device away from rain and moisture!

**FOR YOUR OWN SAFETY, PLEASE READ THIS USER MANUAL CAREFULLY**

**BEFORE YOU INITIAL START - UP!**

## CONTENT

<b>1-Maintenance</b> .....	3
<b>2-Operating determination</b> .....	4
<b>3-Attention Item</b> .....	5
<b>4-Rigging the fixture</b> .....	5
<b>5-DMX-512 connection</b> .....	7
<b>6-Technical Specifications</b> .....	8
<b>7-Maintenance and cleaning</b> .....	9
<b>8-Replacing the fuse</b> .....	9
<b>9-Control menu</b> .....	10
<b>10-Control menu map</b> .....	11
<b>11-DMX512 mode</b> .....	13
<b>12-DMX address code</b> .....	13
<b>13-DMX last state</b> .....	13
<b>14-Observe the DMX channel value</b> .....	13
<b>15-Auto mode and Sound control mode</b> .....	13
<b>16-Pan and Tilt movement reverse</b> .....	13
<b>17-DMX Channel</b> .....	14
<b>18-Fault handling</b> .....	18
<b>19-Accessories list</b> .....	18

## 5-DMX-512 connection

The fixture is equipped with both 3-pin sockets for DMX input and output. The sockets are wired in parallel.

Only use a shielded twisted-pair cable designed for 3-pin XLR-plugs and connectors in order to connect the controller with the fixture or one fixture with another.

### DMX - output

XLR mounting-sockets (rear view):

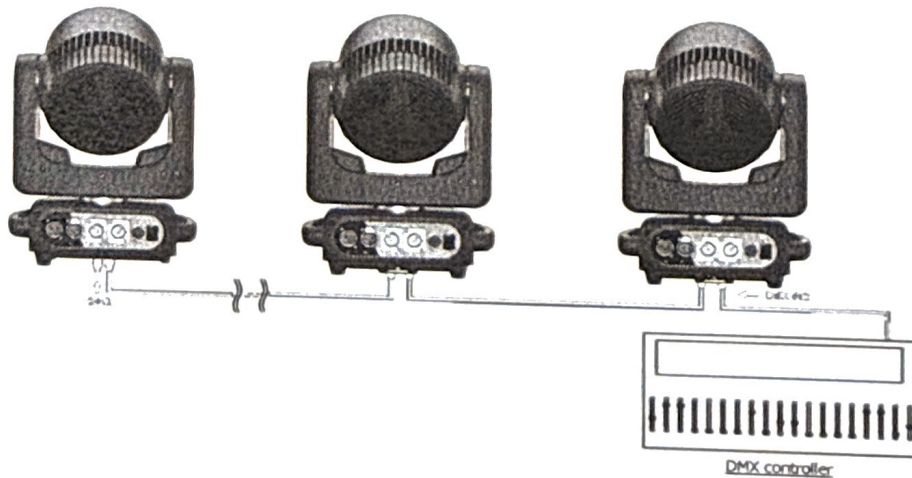


### DMX-input

XLR mounting-plugs (rear view):



### Building a serial DMX-chain:



Connect the DMX-output of the first fixture in the DMX-chain with the DMX-input of the next fixture. Always connect one output with the input of the next fixture until all fixtures are connected. Up to 32 fixtures can be connected.

**Caution:** At the last fixture, the DMX-cable has to be terminated with a terminator.

Solder a 120  $\Omega$  resistor between Signal (-) and Signal (+) into a 3-pin (5-pin) XLR-plug and plug it in the DMX-output of the last fixture.

## 6-Technical Specifications

Light source parameters	
Dimmer:	0-100% 16Bit mechanic
Light Source:	LED19x15W RGBW color mixing
Beam Lux:	20800 lux @3m
Zoom Angle:	11.4-68.4 degrees
CRI:	W/68.8
Strobe:	Flash rate 0-25HZ
Colour temperature output:	W/7500±500 K
Dimmer:	0-100% Linear dimmer
Security System	
Safety Item	Over current and voltage protection
Degree Of Protection	IP20
Operating Temperature	-20°C~45°C
Interface And Control System	
Control Interface	DMX In/Out
DMX Channel	19/33CH
Power Interface	PowerCon
Noise (LED Full on):	38.2 dB@1m
Noise (moving head):	55.3 dB@1m
Signaling Protocol	DMX512/RDM/Master-Slave/Auto/Sound
Cooling System	
Cooling Method	Passive heat dissipation
Power Consumption	
Working Power	270W
Power Supply:	350W AC100V ~ 240V / 50 ~ 60Hz
Physical Parameters	
Pan&Tilt :	540° /195°
Material:	High temperature resistant and flame retardant plastic housing
Product Size	34.5*30*18.5 cm
Product Weight	7.6kg
Package Size:	50x37x26cm
Package Weight	9.7kg

# 10-Control menu map

Menu	Sublevel menu		Three menu / parameters
1.Dmx Address	001 - 512		Add more channels per time
2.Fixture	1.Dmx Mode		19CH / 33CH
	2.Run Mode		DMX / Host / Sound
	3.Pan Invert		Close / Open
	4.Tilt Invert		Close / Open
	5.Fan Control		Quiet / Low / Normal/ High
	6.Dim Fast		Close / Open
	7.No DMX State		Clear / Keep
	8.Sound Sens		1 - 100
3.Manual	1.Pan	000-255	Sort according to the corresponding DMX channel order.
	2.Tilt	000-255	
	3.P/T Speed	000-255	
	4.Dimmer	000-255	
	5.Strobe	000-255	
	.....	.....	
4.information	1.Time		1.Current Time
			2.Total Time
			3.Power Count
	2.Sensor		1.Pan
			2.Tilt
			3.Focus
			4.Temp
	3.Temperature		1.Head Temp
4.Software Version		1.Panel	
5.Factory	1.Password		000-255

	<b>2.Pan</b>	<b>000-255</b>
	<b>3.Tilt</b>	<b>000-255</b>
	<b>4.Focus</b>	<b>000-255</b>
	<b>5.Red</b>	<b>000-255</b>
	<b>6.Green</b>	<b>000-255</b>
	<b>7.Blue</b>	<b>000-255</b>
	<b>8.White</b>	<b>000-255</b>
	<b>9.Red 1</b>	<b>000-255</b>
	<b>10.Green 1</b>	<b>000-255</b>
	<b>11.Blue 1</b>	<b>000-255</b>
	<b>12.White 1</b>	<b>000-255</b>
	<b>13.Red 2</b>	<b>000-255</b>
	<b>14.Green 2</b>	<b>000-255</b>
	<b>15.Blue 2</b>	<b>000-255</b>
	<b>16.White 2</b>	<b>000-255</b>
	<b>17.Red 3</b>	<b>000-255</b>
	<b>18.Green 3</b>	<b>000-255</b>
	<b>19.Blue 3</b>	<b>000-255</b>
	<b>20.White 3</b>	<b>000-255</b>
<b>6.Fixture Reset</b>	<b>1.Motor Reset</b>	<b>OFF / Run</b>
	<b>2.Factory</b>	<b>OFF / Run</b>
<b>7.Display</b>	<b>1.Language</b>	<b>CH / EN</b>
	<b>2.Display Flip</b>	<b>No / Yes</b>
	<b>3.Display Mode</b>	<b>60s / Show</b>

### **11-DMX512 mode**

Enter the **2.Fixture** mode, select **2.Run Mode**, press the ENTER button to confirm, use the ↑ ↓ buttons to run DMX mode.

### **12-DMX address code**

Select the **1.Dmx Address**, press the OK button to confirm, the current DMX address will be displayed on the display. Use the ↑ ↓ button to select the address 001~512, and press the OK button to save. Press the ← button to return to the previous menu or wait 30 seconds to automatically exit the menu mode.

### **13-DMX last state**

Select the last state of DMX, press the OK button to confirm, the current mode will be displayed on the display, select by the ↑ ↓ button: standby (the fixture will enter standby mode when the DMX signal stops), hold (the fixture will keep the last when the DMX signal stops the machine) State) or manual (after selecting this mode, the machine will automatically read the parameters in the "manual mode" mode for operation), press the OK button to save. Press the ← button to return to the previous menu or wait 30 seconds to automatically exit the menu mode.

### **14-Observe the DMX channel value**

Select to observe the DMX channel value, press the OK button to confirm, the current channel and its value will be displayed on the screen. Use the ↑ ↓ button to view other channel values. Press the ← button to return to the previous menu or wait 30 seconds to automatically exit the menu mode.

### **15-Auto mode and Sound control mode**

Enter the **2.Fixture - 2.Run Mode** mode, select **Host** or **Sound**, press the OK button to confirm, the current mode will be displayed on the display, press the OK button to run mode. wait 30 seconds to automatically exit the menu mode.

### **16-Pan and Tilt movement reverse**

Select **2.Fixture - 3.Pan Invert** or **4.Tilt Invert** press the OK button to confirm, the current mode will be displayed on the display, and use the ↑ ↓ button to select: **Close / Open**, press the OK button to save. Press the ← button to return to the previous menu or wait 30 seconds to automatically exit the menu mode.

# 17-DMX Channel

## DMX Channel Summary-33 Channels Mode

Channel	Value	Function	
CH1	Pan	0-255	0-540 degrees
CH2	Pan fine	0-255	16 bit pan
CH3	Tilt	0-255	0-195 degrees
CH4	Tilt fine	0-255	16 bit tilt
CH5	P/T Speed	0-255	Pan and tilt Speed from fast to slow
CH6	Total Dim	0-255	Linear dimming occurs from dark to light
CH7	Strobe	0 - 3	Off
		4 - 103	Strobe speeds from slow to fast
		104 - 107	Light up
		108 - 207	Strobe speeds from slow to fast
		208 - 212	Light up
		213 - 251	Random strobinge
		252 - 255	Light up
CH8	R Dim	0-255	Red dim
CH9	G Dim	0-255	Green dim
CH10	B Dim	0-255	Blue dim
CH11	W Dim	0-255	White dim
CH12	Zoom	0-255	Angle is modulated by small to large linearly
CH13	Built-in Color	0-9	None
		10-19	Red
		20-29	Green
		30-39	Blue
		40-49	White
		50-59	Yellow
		60-69	Purple
		70-79	Sky Blue
		80-89	Ivory White
		90-99	Siena Color
		100-109	Cinnamon
		110-119	Orange
		120-129	Scarlet
		130-139	Cherry Red
		140-149	Raspberry Red
		150-159	Lavender
		160-169	Magenta
170-179	Grape Purple		
180-189	Bright Purple		

		190-199	Egyptian Blue
		200-209	Bright Blue
		210-219	Just Blue
		220-229	Light Blue
		230-239	Electric Blue
		240-249	Sea Blue
		250-255	Light Blue
CH14	Function	0-80	None
		81-90	Automatic Mode, Speed From Fast To Slow
		91-100	Audio Mode
		101-110	Non-Functional
		111-120	Horizontal Reverse: Open
		121-130	Horizontal Reversal: Close
		131-140	Vertical Reverse: Open
		141-150	Vertical Reverse: Close
		151-160	Reset All Motors
		161-255	None
		CH15	Ring Dimmer
CH16	Ring Strobe	0 - 49	On
		50 - 200	Synchronous strobe
		201 - 210	On
		211 - 255	Random flicker
CH17	Ring Red	0-255	Ring Red color from dark to bright
CH18	Ring Green	0-255	Ring Green color from dark to bright
CH19	Ring Blue	0-255	Ring Blue color from dark to bright
CH20	Ring Effect	0 - 2	None
		3-5	Ring Effect 1
		6-8	Ring Effect 2
		9-11	Ring Effect 3
		----	----
		216-218	Ring Effect 72
		219-255	Ring Effect 73
CH21	Ring Speed	0-255	Ring Effect seed
CH22	Red 1	0-255	Red 1 color from dark to bright
CH23	Green 1	0-255	Green 1 color from dark to bright
CH24	Blue 1	0-255	Blue 1 color from dark to bright
CH25	White 1	0-255	White 1 color from dark to bright
CH26	Red 2	0-255	Red 2 color from dark to bright
CH27	Green 2	0-255	Green 2 color from dark to bright
CH28	Blue 2	0-255	Blue 2 color from dark to bright
CH29	White 2	0-255	White 2 color from dark to bright
CH30	Red 3	0-255	Red 3 color from dark to bright
CH31	Green 3	0-255	Green 3 color from dark to bright
CH32	Blue 3	0-255	Blue 3 color from dark to bright
CH33	White 3	0-255	White 3 color from dark to bright

# DMX Channel Summary-19 Channels Mode

Channel	Value	Function	
CH1	Pan	0-255	0-540 degrees
CH2	Tilt	0-255	0-195 degrees
CH3	P/T Speed	0-255	Pan and tilt Speed from fast to slow
CH4	Total Dim	0-255	Linear dimming occurs from dark to light
CH5	Strobe	0 - 3	Off
		4 - 103	Strobe speeds from slow to fast
		104 - 107	Light up
		108 - 207	Strobe speeds from slow to fast
		208 - 212	Light up
		213 - 251	Random strobinge
		252 - 255	Light up
CH6	R Dim	0-255	Red dim
CH7	G Dim	0-255	Green dim
CH8	B Dim	0-255	Blue dim
CH9	W Dim	0-255	White dim
CH10	Zoom	0-255	Angle is modulated by small to large linearly
CH11	Built-in Color	0-9	None
		10-19	Red
		20-29	Green
		30-39	Blue
		40-49	White
		50-59	Yellow
		60-69	Purple
		70-79	Sky Blue
		80-89	Ivory White
		90-99	Siena Color
		100-109	Cinnamon
		110-119	Orange
		120-129	Scarlet
		130-139	Cherry Red
		140-149	Raspberry Red
		150-159	Lavender
		160-169	Magenta
170-179	Grape Purple		

		180-189	Bright Purple
		190-199	Egyptian Blue
		200-209	Bright Blue
		210-219	Just Blue
		220-229	Light Blue
		230-239	Electric Blue
		240-249	Sea Blue
		250-255	Light Blue
CH12	Function	0-80	None
		81-90	Automatic Mode, Speed From Fast To Slow
		91-100	Audio Mode
		101-110	Non-Functional
		111-120	Horizontal Reverse: Open
		121-130	Horizontal Reversal: Close
		131-140	Vertical Reverse: Open
		141-150	Vertical Reverse: Close
		151-160	Reset All Motors
		161-255	None
CH13	Ring Dimmer	0-255	Brightness changes from dark to bright
CH14	Ring Strobe	0 - 49	On
		50 - 200	Synchronous strobe
		201 - 210	On
		211 - 255	Random flicker
CH15	Ring Red	0-255	Ring Red color from dark to bright
CH16	Ring Green	0-255	Ring Green color from dark to bright
CH17	Ring Blue	0-255	Ring Blue color from dark to bright
CH18	Ring Effect	0 - 2	None
		3-5	Ring Effect 1
		6-8	Ring Effect 2
		9-11	Ring Effect 3
		... ..	... ..
		216-218	Ring Effect 72
		219-255	Ring Effect 73
CH19	Ring Speed	0-255	Ring Effect seed