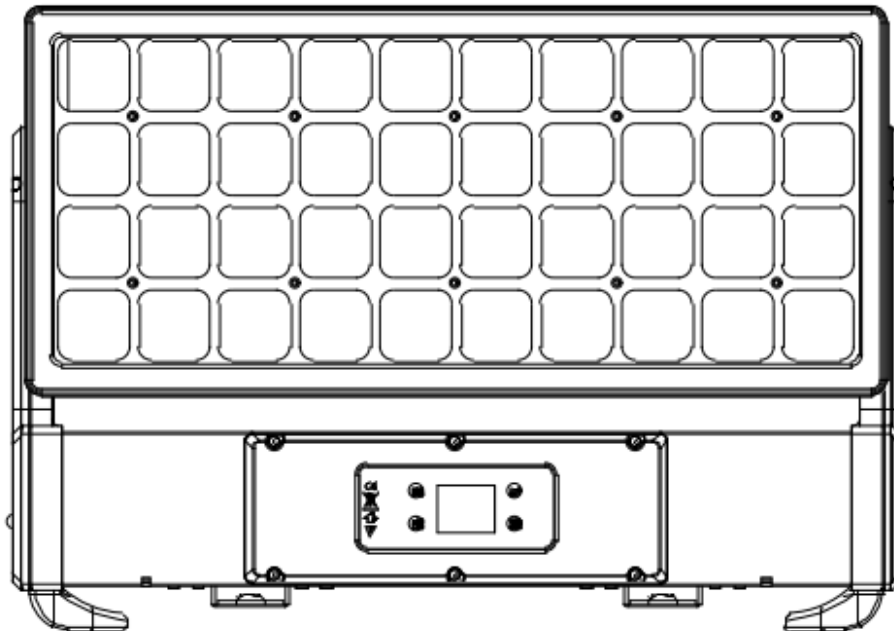




ARKIWASH

Architectural Wash Led Moving Head

RGBW Outdoor



This product manual contains important information about the safe installation and use of the light.
Please read and follow these instructions carefully and keep this manual in a safe place for future reference.

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Every unit is tested completely and packed properly by the manufacturer. Please make sure the packing and / or the unit are in good condition before installation and use. Should there be any damage caused by transportation, consult your dealer and do not use the unit. Any damage caused by improper use will not be assumed by the manufacturer and / or dealer.

Please note that as part of our ongoing commitment to continuous product development, specifications are subject to change without notice.

Accessories

The following items have packed with the light, please pay attention to check:

Name	Quantity	Unit	Remark
Power Cable	1	PCS	
Dmx Cable	1	PCS	
Instructions	1	PCS	

Safety warning information

After receiving the lights, please open to check whether there is any damages caused by transportation. In case of damages caused of transportation, please don't this device and contact your dealer or manufacturer as soon as possible.

The projector is for indoor and outdoor use, IP65.

Do not install the fixtures onto inflammable surfaces directly.



The fixture is only intended for installation, operation and maintenance by qualified personnel.

Do not project the beam onto inflammable surfaces, minimum distance is 3 meter.  3m 

Avoid direct exposure to the light from the lamp. The light is harmful to the eyes.

Do not attempt to dismantle and/or modify the projector in any way.

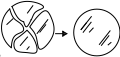
Electrical connection must only be carried out by qualified personnel.

Before installation, ensure that the voltage and frequency of power supply match the power requirements of the fixture.

It is essential that each projector is correctly earthed and that electrical installation conforms to all relevant standards.

Do not connect this device to any other types of dimmer apparatus.

The projector should always be installed with a secondary safety fixing. A safety cord is supplied for this; it should be attached as shown in "installing the projector" section.

Shields and lens shall be changed if they have become visibly damaged to such an extent than their effectiveness is impaired, for example by cracks or deep scratches. 

Exterior surface temperatures of the luminaire after 5 minutes operation is 45°C, when steady state is achieved 70°C. There is no user serviceable parts inside the projector; do not open the housing and never operate the fixture with the covers removed.

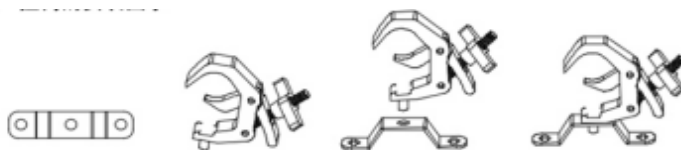
There is no user serviceable parts inside this light, please check whether all covers or shells have been installed and screws have been tightened securely. It is forbidden to use lights with covers(or shell) open.

If you have any questions, don't hesitate to consult your dealer or manufacturer.

Always disconnection from Power before the device's installation, cleaning and maintenance

Installation

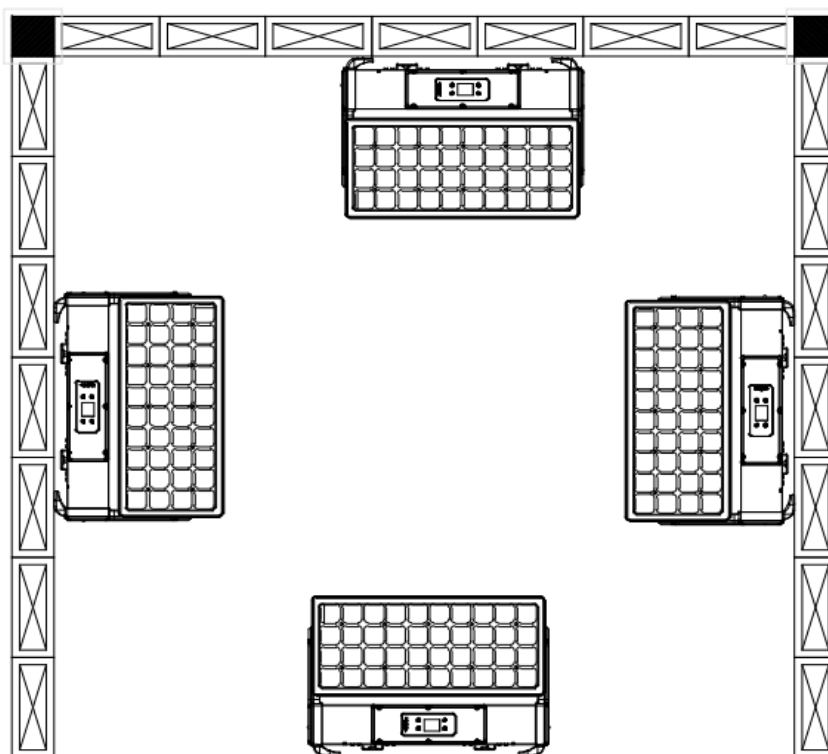
Rigging using the omega brackets



- Fix the clamp to the bracket by tightening the M12 nut and bolt to the bracket through the $\Phi 13$ hole in the middle of the bracket.
- Insert the quick-lock fasteners of the first Omega holder into the respective holes on the bottom of the device. Tighten the quick-lock fasteners fully clockwise.
- Install the second Omega holder.
- Pull the safety cable through the holes on the bottom of the base and over the trussing system or another suitable rigging point. Insert the end into the carbine and tighten the safety screw.

■ Important

This step is very important to ensure safe rigging of the fixture.



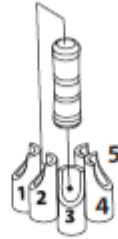
- Be sure this fixture is kept at least 0.1 m away from any flammable materials (decoration etc.)
- Always use and install the supplied safety cable as a safety measure to prevent accidental damage and/or injury in the event the clamp fails.

Signal and power connect

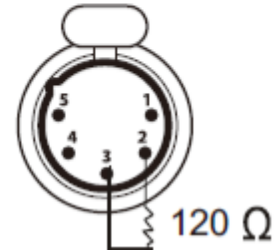
**DMX - INPUT
XLR plug**



Pin1 : GND - Shield
Pin2 : - Signal
Pin3 : + Signal
Pin4 : N/C
Pin5 : N/C



**DMX - OUTPUT
XLR socket**



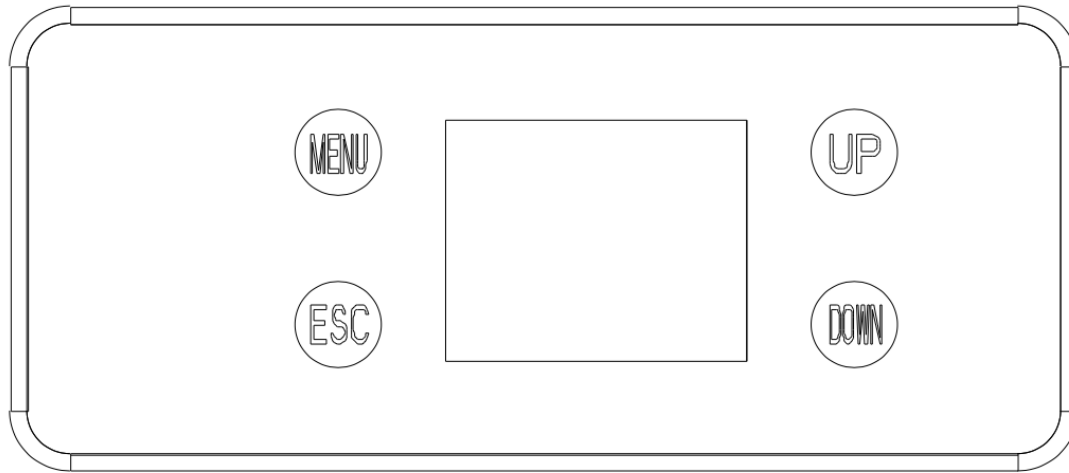
For the connection of control signals, 2-pin shielded cables with a diameter not less than 0.5 mm must be used between the fixture and the controller and between the fixtures. Please use the 5-pin signal output / incoming line of the lamp to connect. The connections between the 5-pin signal line ports are shown in the figure above. It must be noted that the 5 pin of the XLR plug / socket must not be in contact with the inner shell or between the cores when connecting. The XLR plug / socket and the XLR control cable cannot be connected in any other way than the connection shown in the figure above. This product receives the international standard DMX512 (1990) control signal.

The signal connection of multiple fixtures, the maximum number of connection is 32 fixtures, use a 5-pin signal cable from the DMX output port of the controller to the DMX input line of the 1st fixture, and connect from the DMX output line of the first fixture To the DMX input line of the second fixture, and so on, until all the fixtures are connected.

When the first fixture is not connected to the controller (the signal line connection between the other fixtures remain unchanged), it is the connection mode of master-slave synchronous control. However, to achieve master-slave synchronization control, the first fixture should be set as the master in the menu, and the remaining fixtures should be set as slaves (the default value is slave).

When connecting the power supply, the power supply of each fixture should be connected separately. Please note that the power supply voltage and frequency must match with the power supply voltage and frequency listed in the product manual.

Display



Press button **UP** or **DOWN** if you want to browse through the various Setup Options.

Press button **MENU** to save your settings or enter the next menu.

Press button **MENU** to save your settings or enter the next menu.

Press button **UP** or **DOWN** to shift.

Press button **ESC** will return to the upper menu one by one.

Display setting

Level 1	Level 2	Level 3	Level 4	Option/Value range
DMX Addr				1 - 512
Channel Mode				differ depending upon the model
Run Mode				DMX/Auto/Manual
Lamp				Off/On
Reset Operating				
	Reset All			
	Pan/Tilt			
	...			
DMX Manual				
	Pan			
	...			
	Auto Exit			never/10Sec/20Sec...
	Keep			
Settings				
	Master/Remote			Slave/Master
	Pan Reverse			N/Y
	Tilt Reverse			N/Y
	Pan Range			
		Start		0 - 255
		End		0 - 255
	Tilt Range			
		Start		0 - 255
		End		0 - 255
	P/T Speed RLT			N/Y
	Auto Ignition			N/Y
	Lost Signal			Keep/Dim Off
	Auto Master			N/Y
Adv.Settings				
	Fine Adj			
	Language			中文/Eng/
	Display Settings			
		Sleep		Never/10Sec/20Sec/ 30Sec ...
		Invert		N/Y
		Brightness		1 - 10

		Display Lock		Off/On
		Blink		Off/On
	Fine Adj Assist			
		Recover		
		Show Backup		
	Recover Setting			
	Factory Settings			
Info				
	Vers			
	Err State			
	DMX Monitor			
		DmxValue		1 - Max channels
		FPS		####Fps
		Total Chns		####
	Security			
	Lamp/LED UsageTime			
		Current		####Min
		Total		####Hour
		Clear		
	Device UsageTime			
		Current		####Min
		Total		####Hour
		Clear		
Test				

Dmx Channel

17 Channel Mode

Channel	Name	Value	Description
1	Tilt	0-255	Tilt Rotation
2	Tilt Fine	0-255	Tilt Fine
3	Pan/Tilt Speed	0-255	Pan/Tilt Speed
4	Dimmer	0 - 255	Dimmer 8bit
5	Dimer Fine	0 - 255	Dimmer 16bit
6	Strobe	0 - 10	OFF
		11 - 40	Strobe (slow to fast)
		41 - 71	Pulse Strobe ON
		72 - 102	Pulse Strobe OFF
		103 - 133	Slow ON Slow OFF
		134 - 162	Thunder Strobe
		163 - 193	Random Strobe
		194 - 255	ON/OFF
7	Red	0 - 255	Red
8	Green	0 - 255	Green
9	Blue	0 - 255	Blue
10	White	0 - 255	White
11	BackColor	0 - 10	No function
		11 - 24	Color 1
		25 - 39	Color 2
		40 - 54	Color 3
		55 - 69	Color 4
		...	...
		175-189	Color 12
		190-204	Color 13
		206-255	Color 14
12	BackColor Dimmer	0 - 255	Background dimmer
13	Inner Effect	0 - 10	No function
		11 - 13	Macro1

		14 - 16	Macro2
		17 - 19	Macro3
		20 - 22	Macro4
		23 - 25	Macro5
		26 - 28	Macro6
		29 - 31	Macro7
			
		249 - 251	Macro59
		252 - 255	Macro60
14	Effect Speed	0 - 127	Forward Macro (slow to fast)
		128 - 255	Backward Macro (slow to fast)
15	Fade	1 - 255	0%-100% fade Macro
16	COLOR_TEMPERATURE	1 - 255	Color temperature
17	Function	0 - 219	No function
		220 - 229	Reset
		230 - 255	No function

164 Channel Mode

Channel	Name	Value	Description
1	Tilt	0-255	Tilt Rotation
2	Tilt Fine	0-255	Tilt Fine
3	Pan/Tilt Speed	0-255	Pan/Tilt Speed
4	Function	0 - 219	No function
		220 - 229	Reset
		230 - 255	No function
5	LED 1	0 - 255	LED1 Red
6	LED 1	0 - 255	LED1 Green
7	LED 1	0 - 255	LED1 Blue
8	LED 1	0 - 255	LED1 White
9	LED 2	0 - 255	LED2 Red
10	LED 2	0 - 255	LED2 Green
11	LED 2	0 - 255	LED2 Blue

12	LED 2	0 - 255	LED2 White
...	...	0 - 255	...
161	LED 40	0 - 255	LED40 Red
162	LED 40	0 - 255	LED40 Green
163	LED 40	0 - 255	LED40 Blue
164	LED 40	0 - 255	LED40 White

177 Channel Mode

Channel	Name	Value	Description
1	Tilt	0-255	Tilt Rotation
2	Tilt Fine	0-255	Tilt Fine
3	Pan/Tilt Speed	0-255	Pan/Tilt Speed
4	Dimmer	0 - 255	Dimmer 8bit
5	Dimer Fine	0 - 255	Dimmer 16bit
6	Strobe	0 - 10	OFF
		11 - 40	Strobe (slow to fast)
		41 - 71	Pulse Strobe ON
		72 - 102	Pulse Strobe OFF
		103 - 133	Slow ON Slow OFF
		134 - 162	Thunder Strobe
		163 - 193	Random Strobe
		194 - 255	ON/OFF
7	Red	0 - 255	Red
8	Green	0 - 255	Green
9	Blue	0 - 255	Blue
10	White	0 - 255	White
11	Color Macro (BackColor)	0 - 10	No function
		11 - 24	Color 1
		25 - 39	Color 2
		40 - 54	Color 3
		55 - 69	Color 4
		...	...

		175-189	Color 12
		190-204	Color 13
		206-255	Color 14
12	Dimmer BackColor	0 - 255	Dimmer
13	Shutter Macro	0 - 10	No function
		11 - 13	Macro1
		14 - 16	Macro2
		17 - 19	Macro3
		20 - 22	Macro4
		23 - 25	Macro5
		26 - 28	Macro6
		29 - 31	Macro7
			
		249 - 251	Macro59
		252 - 255	Macro60
14	Macro Speed	0 - 127	Forward Macro (slow to fast)
		128 - 255	Backward Macro (slow to fast)
15	Fade	1 - 255	0%-100% fade Macro
16	COLOR_TEMPERATURE	1 - 255	Color temperature
17	Function	0 - 219	No function
		220 - 229	Reset
		230 - 255	No function
18	LED 1	0 - 255	LED1 Red
19	LED 1	0 - 255	LED1 Green
20	LED 1	0 - 255	LED1 Blue
21	LED 1	0 - 255	LED1 White
22	LED 2	0 - 255	LED2 Red
23	LED 2	0 - 255	LED2 Green
24	LED 2	0 - 255	LED2 Blue
25	LED 2	0 - 255	LED2 White
...	...	0 - 255	...
174	LED 40	0 - 255	LED40 Red

175	LED 40	0 - 255	LED40 Green
176	LED 40	0 - 255	LED40 Blue
177	LED 40	0 - 255	LED40 White

Maintenance

To ensure the reliability of the projector it should be kept clean. It is recommended that the fans should be cleaned every 15 days. The lens and dichroic color filters should also be regularly cleaned to maintain an optimum light output. **Do NOT use any type of solvent on dichroic color filters.**

Cleaning frequency depends on the environment in which the fixture operates: damp, smoke or particularly dirty surroundings can cause greater accumulation of dirt on the unit's optics. A soft cloth and typical glass cleaning products should be used in cleaning. It is recommended to clean the external optics at least once every 20 days and clean the internal optics at least once every 30 / 60 days.

Do not use any organic solvent, e.g. alcohol, to clean the reflector mirror, dichroic color filters or housing of the apparatus.

Trouble shooting

Problems	Action
The fixture wont switch on properly	➤ power cord connection is not normal ➤ the switching power supply is damaged or the connection is not normal, professional qualified technician needed to carry out maintenance and repair ➤ control board connection is not normal , professional qualified technician needed to carry out maintenance and repair
The fixture switch on, but LED not bright and not controlled	➤ LED board connection is not normal, professional qualified technician needed to carry out maintenance and repair
Switch on and light normally, but not controlled by controller	➤ check the DMX starting address code setting is correct or not ➤ Check the cable signal line is damaged or not
The fixture is dim and the brightness drops sharply	➤ The fixtures temperature is too high, please take necessary ventilation and heat dissipation measures

Technical data

ELECTRICAL AND CONNECTORS

Input voltage range: 100-240V AC 50/60Hz

Power consumption: 1200W

Power Connection: Seetronics Powercon True

Signal Connection: 5 Pin XLR In and Out

LIGHT SOURCE

LED: 40x30W RGBW LEDS

Rated life: 50000h

Beam Angle: 25°

MOVEMENT

Tilt movement: 180°

SOFTWARE AND CONTROL

Operation mode: DMX512/RDM/Art net / Wireless by Lumenradio

Control channel mode: 17CH/ 164CH/177CH

EFFECT

Each leds could be pixel controlled

OTHER

Advanced and convenient full-color LCD

Can be reversed by 180 to adapt to different installation positions

Waterproof grade: IP65

SIZE AND WEIGHT

Size: 545 *177 *397mm

Net weight: 17.75kg

Dimensional drawing

