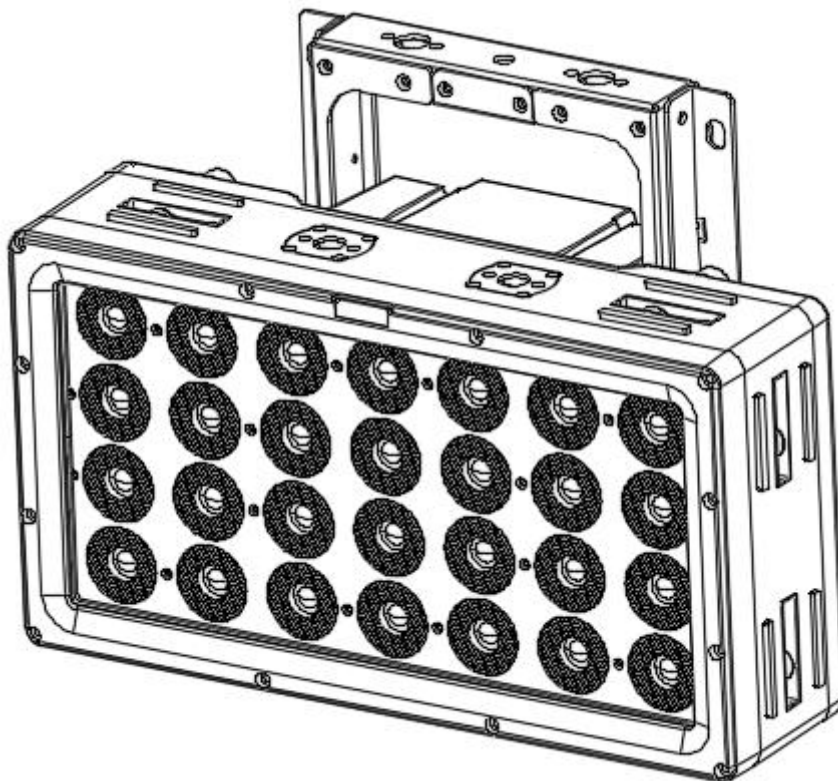


# Q8 QUEEN



User Manual

## 1. Safety Instructions

Please read the instruction carefully which includes important information about the installation, usage and maintenance.

- Please keep this User Guide for future consultation. If you sell the unit to another user, be sure that they also receive this instruction manual.
- Unpack and check carefully to ensure that there is no transportation damage before using the unit.
- This product is suitable for wet locations. Do not immerse in water.
- DO install and operate by qualified operator.
- DO NOT allow children to operate the fixture.
- Use safety chain when fixing the unit. Handle the unit by carrying its base instead of head only.
- The unit must be installed in a location with adequate ventilation, at least 50cm from adjacent surfaces.
- Be sure that no ventilation slots is blocked, otherwise the unit will be overheated.
- Before operation, ensure that you are connecting this product to the proper voltage in accordance with the specifications in this manual or on the product's specification label.
- It's important to ground the yellow/green conductor to earth in order to avoid electric shock.
- Minimum ambient temperature TA: 0°C. Maximum ambient temperature TA: 40°C. Do not operate this product at a lower or higher temperature.
- DO NOT connect the device to any dimmer pack
- Keep flammable materials away from the fixture while operating to avoid fire hazard.
- Make sure the power cord is not crimped or damaged; replace it immediately if damaged
- Unit's surface temperature may reach up to 65°C. DO NOT touch the housing bare-handed during its operation
- Avoid any flammable liquids, water or metal from entering the unit.
- DO NOT operate in a dirty or dusty environment. DO clean the fixture regularly.
- DO NOT touch any wire during operation as there might be a hazard of electric shock.
- Avoid entanglement of the power cord with other wires.
- The minimum distance to objects/surface must be more than 0.5 meters.
- In the event of serious operating problem, stop using the unit immediately.
- Never turn on and off the unit time after time.
- The housing, the lenses, or the ultraviolet filter must be replaced if they are visibly damaged

- DO NOT open the housing as there are no user serviceable parts inside.
- DO NOT attempt to operate this unit if it becomes damaged. DO NOT attempt any repairs yourself. Repairs carried out by unskilled people can lead to damage or malfunction. Please contact the nearest authorized technical assistance center if needed.
- Disconnect this product from its power source before servicing.
- DO use the original packaging if the device is to be transported.
- Avoid direct eye exposure to the light source while the product is on.
- DO NOT operate this product if you see damage on the housing, shields, or cables. Have the damaged parts replaced by an authorized technician at once.

## **2. INSTALLATIONS**

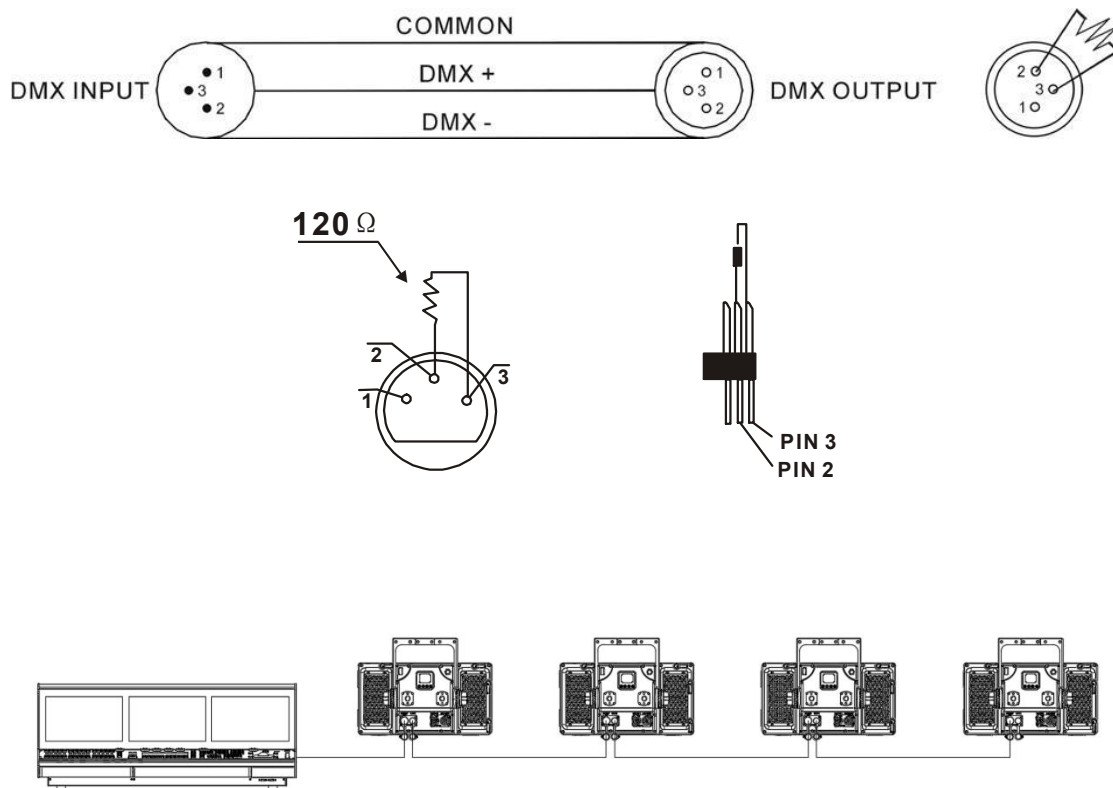
- installations Note: In order to increase protection, please install the lamp on the sidewalk, outside the seating area, or an area where unauthorized persons may touch the led
- Before installing the fixture on any surface, make sure that the installation area can bear the minimum point load above 10 points of the weight of the equipment. The installation of the fixing device must always be fixed with auxiliary safety accessories (such as a suitable safety rope) Do not stand directly under the equipment when installing, removing, or servicing fixtures
- Ensure that this fixture is kept at least 0.5m (1.5 feet) away from any flammable materials (decorations, etc.)
- Be sure to use and install the supplied safety rope to ensure safety and prevent accidental damage and/or injury in case the fixture is damaged  
Installation point: Overhead installation requires a wealth of experience, including calculation of working load limits, in-depth understanding of the installation materials used, and regular safety inspections of all installation materials and fixtures. If you do not have these qualifications, please do not try to install it yourself. Improper installation can cause personal injury  
Before connecting the main power cord to an appropriate wall outlet, make sure to complete all assembly and installation procedures

## **3. 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. 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.

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



#### 4. Address code setting

If you use a universal DMX controller to control the units, you have to set DMX address from 1 to 512 so that the units can receive DMX signal.

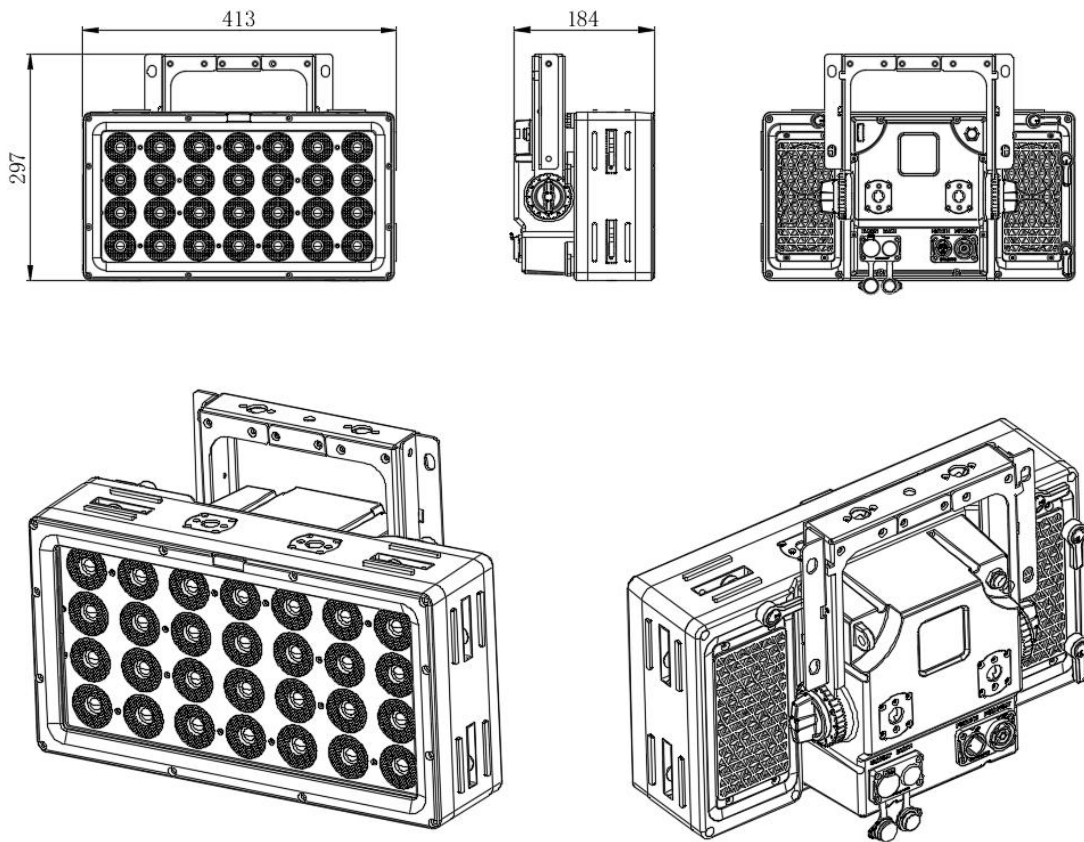
Press the MENU button to enter menu mode, select DMX Settings, press the ENTER button to confirm, use the UP/DOWN button to select DMX Address, press the ENTER button to confirm, the present address will blink in the display, use the UP/DOWN button to adjust the address from 001 to 512, press the ENTER button to store. Press the MENU button back to the last menu or let the unit idle 30 seconds to exit menu mode. Please refer to the following diagram to

Channel MODE	UNIT1 ADDERSS	UNIT2 ADDERSS	UNIT3 ADDERSS	UNIT4 ADDERSS
3CH	1	4	7	10
4CH	1	5	9	13
6CH	1	7	13	19

address your DMX512 channel for the first 4 units.

<b>12CH</b>	<b>1</b>	<b>13</b>	<b>25</b>	<b>37</b>
<b>16CH</b>	<b>1</b>	<b>17</b>	<b>33</b>	<b>49</b>
<b>24CH</b>	<b>1</b>	<b>25</b>	<b>49</b>	<b>73</b>
<b>32CH</b>	<b>1</b>	<b>33</b>	<b>65</b>	<b>97</b>

## 5. Fixture size



## 6. LED technical parameters

Input Voltage: 100-240V, 50/60Hz

Power consumption: 570W

Power supply: 700W

Light source: 28PCSx20W RGBWAUV6IN1 LED

LED Life:>20000Hour

Lens angle:25° (Optional 45 °)

LED angle:120°

CCT:1800k-7000k

DMX Channel: 3/4/6/12/16/24/32CH

Operate mode: DMX512, Auto,Master/slave, /RDM

Pixel matrix: Overall control/Segment by segment (4 segments) control

Dimmer: 0-100% Linear dimming

Dimming curve:Linear, Square Law, Inv SQ Law ,S Curve

Multiple refresh rate settings to choose from

Dimming speed: fast, slow

Strobe: Strong output strobe effect at 1-20Hz

Fan mode:Fan mode: auto, low speed, high speed

Excellent color mixing effect

Display: OLED display

Built in splicing lock for quick and seamless splicing

Signal input/output:3pin waterproof XLR socket (optional with 5pin)

Power socket: waterproof power connector input/output

Protection Rating: IP66

Size: 413x184x300mm

Net weight: 13.2kg

### Feature:

16BIT 0-100% dimming

High refresh rate, no flicker during shooting

High luminous efficiency, smooth and natural transition of light color

Good color mixing effect, bright and pure colors

4-row dynamic independent control, separate row and color control

## 7. Menu Description

1 level menu	2level menu	3level menu	4 level menu	5level menu	
DMX set	DMX Add	1 - 512			
	Channel mode	03CH			
		04CH			
		06CH			
		16CH			
		12CH			
		24CH			
		32CH			
	Run mode	DMX			
		Auto			
Effect set	Dimmer curve	linear			
		Square law			
		Inv sq law			
		s-curve			
	Dimmer speed	fast			
		slow			
	Refresh rate	600Hz			
		1200Hz			
		2400Hz			
		4800Hz			
		9600Hz			
		12000Hz			
		25000Hz			
	No date mode	back			
		hold			
	Fan mode	auto			
		slow			
		full			
	display	Display	normal		

		rotate	Rotate 180°		
		Display lock	on		
			off		
		Display intensity	1-100		
		Temp unit	° C		
			° F		
		Language	English		
			中文		
Auto	Auto1-Auto 6				
Fixture test	Test All	testing			
	Test Effect	red			
		° ° °			
		UV			
DMX live		0 - 255			
Manual control		0 - 255			
service	password	calibration	LED calibration	red	127 -> 255
				° ° °	
				UV	127 -> 255
		Factory default	no		
			yes		
		Clear power On time	no		
	yes				
	Clear led hours	no			
yes					
informati on	Power on time	xxxxxH			
	LED hours	xxxxxH			
	SW Version	1U: Vxx			
		2U: Vxx			
	RDM UID	0xXXXX-XX XXXXXX			
temp	LEDxxx				



## 8. dmx512

### 3CH

CH	value	Function
1	0-255	R
2	0-255	G
3	0-255	B

### 4CH

CH	value	Function
1	0-255	R
2	0-255	G
3	0-255	B
4	0-255	W

### 6CH

CH	value	Function
1	0-255	R
2	0-255	G
3	0-255	B
4	0-255	W
5	0-255	A
6	0-255	UV

### 12CH

CH	value	Function
1	0-255	R1
2	0-255	G1
3	0-255	B1
4	0-255	W1
5	0-255	A1

6	0-255	UV1
7	0-255	R2
8	0-255	G2
9	0-255	B2
10	0-255	W2
11	0-255	A2
12	0-255	UV2

## 16CH

CH	value	Function			Effect
1	dimmer	000	-	255	
2	Dimmer fine	000	-	255	
3	strobe	000	-	009	open
		010	-	081	strobe
		082	-	091	open
		092	-	163	Pulse strobe
		164	-	173	open
		174	-	245	Random strobe
		246	-	255	open
4	R	000	-	255	
5	G	000	-	255	
6	B	000	-	255	
7	W	000	-	255	
8	A	000	-	255	
9	UV	000	-	255	
10	CCT	000	-	255	Linear change from low to high
11	Static color	000	-	000	No function
		001	-	005	color1
		006	-	011	color2

		012	-	017	color3
		018	-	023	color4
		024	-	029	color5
		030	-	035	color6
		036	-	041	color7
		042	-	047	color8
		048	-	053	color9
		054	-	059	color10
		060	-	065	color11
		066	-	071	color12
		072	-	077	color13
		078	-	083	color14
		084	-	089	color15
		090	-	095	color16
		096	-	101	color17
		102	-	107	color18
		108	-	113	color19
		114	-	119	color20
		120	-	125	color21
		126	-	131	color22
		132	-	137	color23
		138	-	143	color24
		144	-	149	color25
		150	-	155	color26
		156	-	161	color27
		162	-	167	color28
		168	-	173	color29
		174	-	179	color30
		180	-	185	color31

		186	-	191	color32
		192	-	197	color33
		198	-	203	color34
		204	-	209	color35
		210	-	215	color36
		216	-	221	color37
		222	-	227	color38
		228	-	233	color39
		234	-	239	color40
		240	-	245	color41
		246	-	251	color42
		252	-	255	color43
12	Color macro	000	-	020	No function
		021	-	099	Color jump
		100	-	149	Color gradient
		150	-	255	No function
13	Color macro speed	000	-	255	Color change speed
14	Effect	000	-	009	No function
		010	-	019	Effect1
		020	-	029	Effect2
		030	-	039	Effect3
		040	-	049	Effect4
		050	-	059	Effect5
		060	-	069	Effect6
		070	-	079	Effect7
		080	-	089	Effect8
		090	-	099	Effect9
		100	-	109	Effect10
		110	-	119	Effect11

		120	-	129	Effect12
		130	-	139	Effect13
		140	-	149	Effect14
		150	-	159	Effect15
		160	-	169	Effect16
		170	-	179	Effect17
		180	-	189	Effect18
		190	-	199	Effect19
		200	-	255	Effect20
15	Effect speed	000	-	255	Effect speed
16	control	000	-	005	No function
		006	-	010	linear
		011	-	015	Square law
		016	-	020	Inv sq law
		021	-	025	s-curve
		026	-	030	No function
		031	-	035	No function
		036	-	040	Fast dimmer
		041	-	045	Slow dimmer
		046	-	050	No function
		051	-	055	Fan mode auto
		056	-	060	Fan mode low
		061	-	065	Fan mode high
		066	-	255	No function

## 24CH

<b>CH</b>	<b>value</b>	<b>Function</b>
1	0-255	R1
2	0-255	G1
3	0-255	B1
4	0-255	W1
5	0-255	A1
6	0-255	UV1
7	0-255	R2
8	0-255	G2
9	0-255	B2
10	0-255	W2
11	0-255	A2
12	0-255	UV2
13	0-255	R3
14	0-255	G3
15	0-255	B3
16	0-255	W3
17	0-255	A3
18	0-255	UV1
19	0-255	R4
20	0-255	G4
21	0-255	B4
22	0-255	W4
23	0-255	A4
24	0-255	UV4

## 32CH

CH	value	Function			Effect
1	dimmer	000	-	255	
2	Dimmer fine	000	-	255	
3	strobe	000	-	009	open
		010	-	081	strobe
		082	-	091	open
		092	-	163	Pulse strobe
		164	-	173	open
		174	-	245	Random strobe
		246	-	255	open
4	CCT	000	-	255	Linear change from low to high
5	Static color	000	-	000	No function
		001	-	005	color1
		006	-	011	color2
		012	-	017	color3
		018	-	023	color4
		024	-	029	color5
		030	-	035	color6
		036	-	041	color7
		042	-	047	color8
		048	-	053	color9
		054	-	059	color10
		060	-	065	color11
		066	-	071	color12
		072	-	077	color13
		078	-	083	color14
084	-	089	color15		

		090	-	095	color16
		096	-	101	color17
		102	-	107	color18
		108	-	113	color19
		114	-	119	color20
		120	-	125	color21
		126	-	131	color22
		132	-	137	color23
		138	-	143	color24
		144	-	149	color25
		150	-	155	color26
		156	-	161	color27
		162	-	167	color28
		168	-	173	color29
		174	-	179	color30
		180	-	185	color31
		186	-	191	color32
		192	-	197	color33
		198	-	203	color34
		204	-	209	color35
		210	-	215	color36
		216	-	221	color37
		222	-	227	color38
		228	-	233	color39
		234	-	239	color40
		240	-	245	color41
		246	-	251	color42
		252	-	255	color43
6	Color	000	-	020	No function



	macro	021	-	099	Color jump
		100	-	149	Color gradient
		150	-	255	No function
7	Color macro speed	000	-	255	Color change speed
8	R1	000	-	255	
9	G1	000	-	255	
10	B1	000	-	255	
11	W1	000	-	255	
12	A1	000	-	255	
13	UV1	000	-	255	
14	R2	000	-	255	
15	G2	000	-	255	
16	B2	000	-	255	
17	W2	000	-	255	
18	A2	000	-	255	
19	UV2	000	-	255	
20	R3	000	-	255	
21	G3	000	-	255	
22	B3	000	-	255	
23	W3	000	-	255	
24	A3	000	-	255	
25	UV1	000	-	255	
26	R4	000	-	255	
27	G4	000	-	255	
28	B4	000	-	255	
29	W4	000	-	255	
30	A4	000	-	255	
31	UV4	000	-	255	

32	control	000	-	005	No function
		006	-	010	linear
		011	-	015	Square law
		016	-	020	Inv sq law
		021	-	025	s-curve
		026	-	030	No function
		031	-	035	No function
		036	-	040	Fast dimmer
		041	-	045	Slow dimmer
		046	-	050	No function
		051	-	055	Fan mode auto
		056	-	060	Fan mode low
		061	-	065	Fan mode high
		066	-	255	No function

## 9. Troubleshooting

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

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

Check the connected power.

Measure the voltage.

Check the power indicator to see whether it can be lit up or not.

B. Not responding to the DMX controller

Check whether the DMX connectors and the DMX cables are connected correctly.

Check whether the DMX address is correctly set.

If the intermittent DMX signal problem occurs, check whether the XLR socket and the signal cable are well connected.

Try it with another DMX controller.

Check whether the DMX cables run near or alongside to the high-voltage cables, which may damage or interfere with the signal circuit.

## **10. Fixture Cleaning**

It is absolutely essential that the fixture is kept clean to ensure the maximum light-output and allow the fixture to function reliably throughout its life. The fixture must be cleaned regularly to avoid dust, dirt and smoke-fluid residues building up on or within the fixture. The cleaning frequency depends on the application environment. Clean the fixture immediately if the dust enters it to avoid damage to the optical lens due to excessive dust. A soft lint-free cloth moistened with any good glass cleaning fluid is recommended, under no circumstances should solvents be used. Always dry the parts carefully. Clean the external optical lens at least every 20 days.