SPL-LED-1260R IP

User Manual

Please read the instruction carefully before use

CONTENTS

01/ Safety Information

Please keep this User Manual for future consultation. If you sell the unit to another user, be
sure that they also receive this instruction manual.
Important:
Damages caused by the disregard of this user manual are not subject to warranty. The dealer
will not accept liability for any resulting defects or problems.

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 (made of steel, min. diameter 4.0mm) 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: -10℃. Maximum ambient temperature TA: 40℃. 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 70℃. DO NOT touch the housing bare-handed during its operation.
Avoid any flammable liquids, water or metal from entering the unit. Once it happens, cut
off the mains power immediately.

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 4 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.

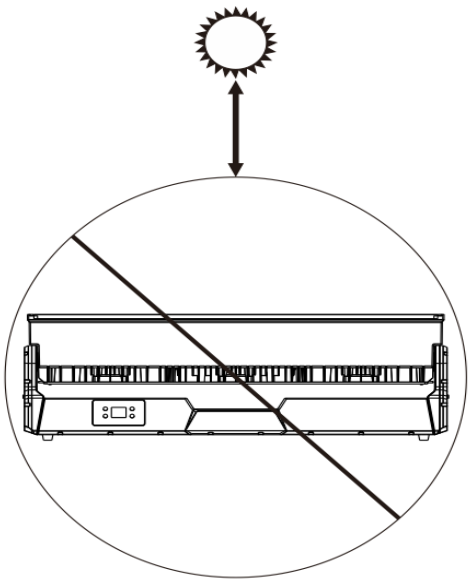
Disconnect this product from its power source before servicing.

DO use the original packaging if the device is to be transported.

Check that the head tilt lock is released before packing for transportation.

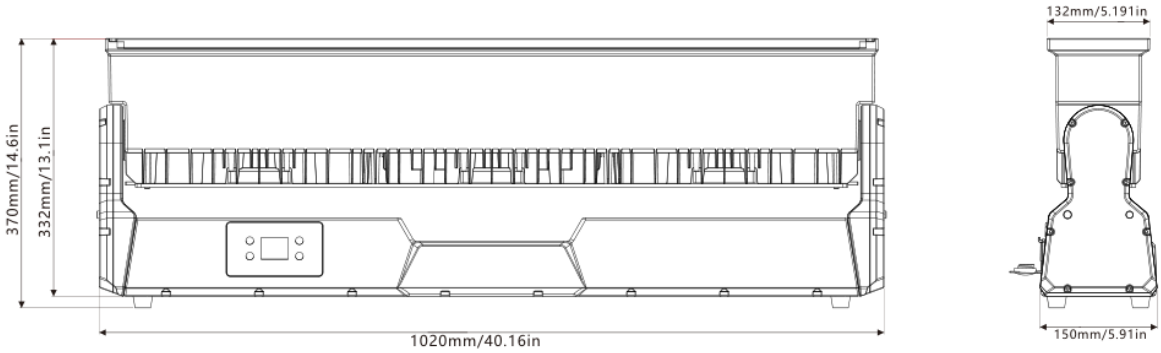
Avoid direct eye exposure to the light source while the product is on.

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.
External sources of light beams from direct sunlight or any other strong light source, which penetrate the front lens of lighting fixtures, can cause severe internal damage. DO
NOT expose the fixture front lens to light beams from direct sunlight or any other strong
light source from any angle while unpacking, installation, use, and extended idle times outdoors. DO NOT focus a light beam from one lighting fixture directly towards another.

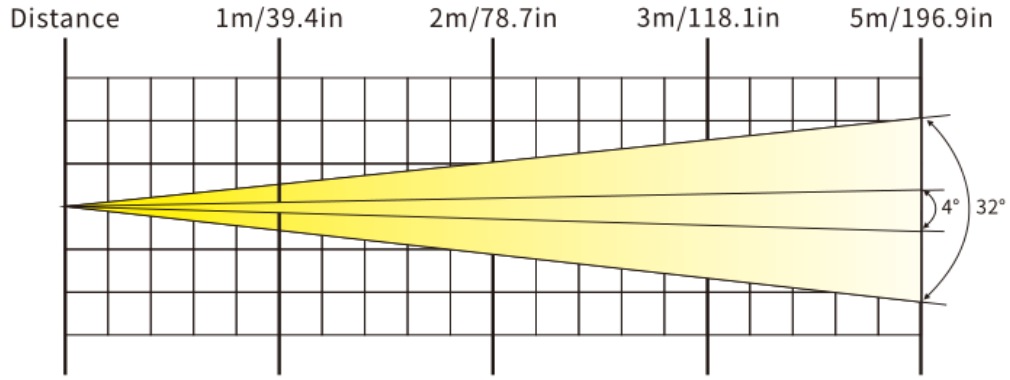


02/ Technical Specifications

Input voltage：AC100-240V 50/60Hz
Power consumptionn：950W
LED type：**12PCS 60W RGBW 4in1 LED+96x1.5w 3535 RGB+96X1W 3030 cool white+96x1w 3030 warm white LEDs**
LED QTY：12pc
Average lifespan：50000 hours
Beam angle：4°- 32°
Electronic Dimming：0-100%
Strobe：1S/25
Focus：Yes
Rotate：Yes
Tilt：270° 16bits
DMX channel：19CH/29CH/109CH/118CH/178CH/180CH
Control mode：DMX /RDM
Display mode：LED
IP rating：IP65
Max ambient temp：45°
Product dimension：1020*150*370 mm
N.W：26kG



Photometric Diagram:



4(LUX)				
RGBW	104900	57000	36650	20600
R	18530	9000	6780	3880
G	40150	23000	14350	7340
B	1538	775	6370	409
W	60800	32000	24650	12110
Diameter(m)	0.07	0.14	0.21	0.35

32°(LUX)				
RGBW	24000	11000	8140	3500
R	4100	2000	1480	700
G	9850	4500	3330	1462
B	447	160	233	215
W	14000	6500	4700	2040
Diameter(m)	0.57	1.15	1.72	2.87

03/ Connecting Power and Data

To apply power, first check that the head pan and tilt locks are released.
This fixture can operate on any 180-240Vac; 50/60Hz AC mains power supply.
The maximum power consumption is 950W.
The fixture must be grounded/earthed and able to be isolated from AC power. The AC power
supply must incorporate a fuse or circuit breaker for fault protection.
Wiring and connection work must be carried out by a qualified electrician.
The power cable color coding is given in the figure below:

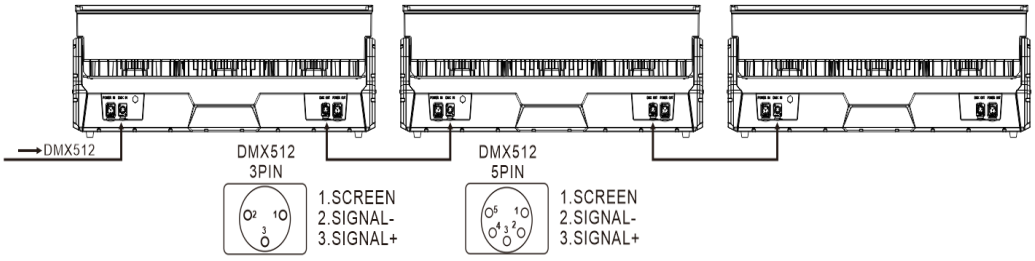
Wire	Color (US)	Wire	Color (EU)	Symbol	Conductor
	black		brown	L	live
	white		blue	N	neutral
	green		yellow/green	⏚ or ⏚	ground (earth)

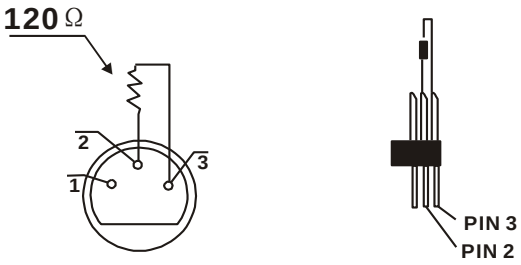
Power cord set should be used: Listed SJOW flexible cord with rating: 300V, 105°C, VW-1,
14AWG x 3C, molded with 5-20P attachment plug and terminated with cord connector model RCAC3F-X-000-01 with rating 250V, 16A by Neutrik Technology (Ningbo) Co., Ltd.
The power cord shall be at least 914mm (It is to be measured from the face of attachment
plug to the face of connector).

CAUTION!
DO NOT CONNECT THE FIXTURE TO AN ELECTRICAL DIMMER SYSTEM AS DOING SO MAY CAUSE DAMAGE.

04/ Connecting Data

The fixture is equipped with 5-pin (or 3-pin) XLR sockets for DMX input and output. Use a
high-quality DMX cable designed for RS-485 and 5-pin (or 3-pin) XLR-plugs and connectors
in order to connect the controller with the fixture or one fixture with another. For outdoor
installations, use only IP-rated XLR connectors suitable for outdoor use.
Building a serial DMX chain:
Connect the DMX data output from the controller to the fixture's data input socket. 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 to the same DMX link. Terminate the DMX out cable of
the last fixture in the data link with a 120 ohm DMX terminator.





05/ Address Setting

All fixtures should be given a DMX starting address when operating with a DMX controller, in order to ensure that the correct fixture responds to the correct control signal. Incorrect settings will result in unpredictable responses from the lighting controller.

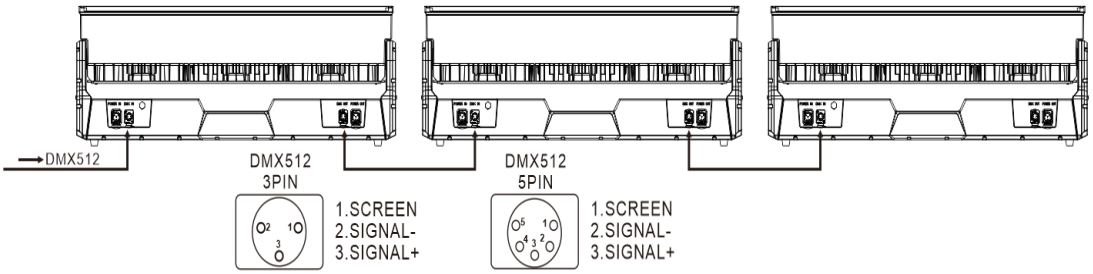
You can set the same starting address for all fixtures or a group of fixtures, or set different addresses for each individual fixture.

Setting all fixtures to the same DMX address will cause all fixtures to react in the same way. In this case, please note that changing the settings of one channel will affect all the fixtures simultaneously.

If you set each fixture to a different DMX address, each unit will "listen" starting at the channel number you have set, based on the quantity of DMX channels of each fixture. That means changing the settings of one channel will only affect the selected fixture.

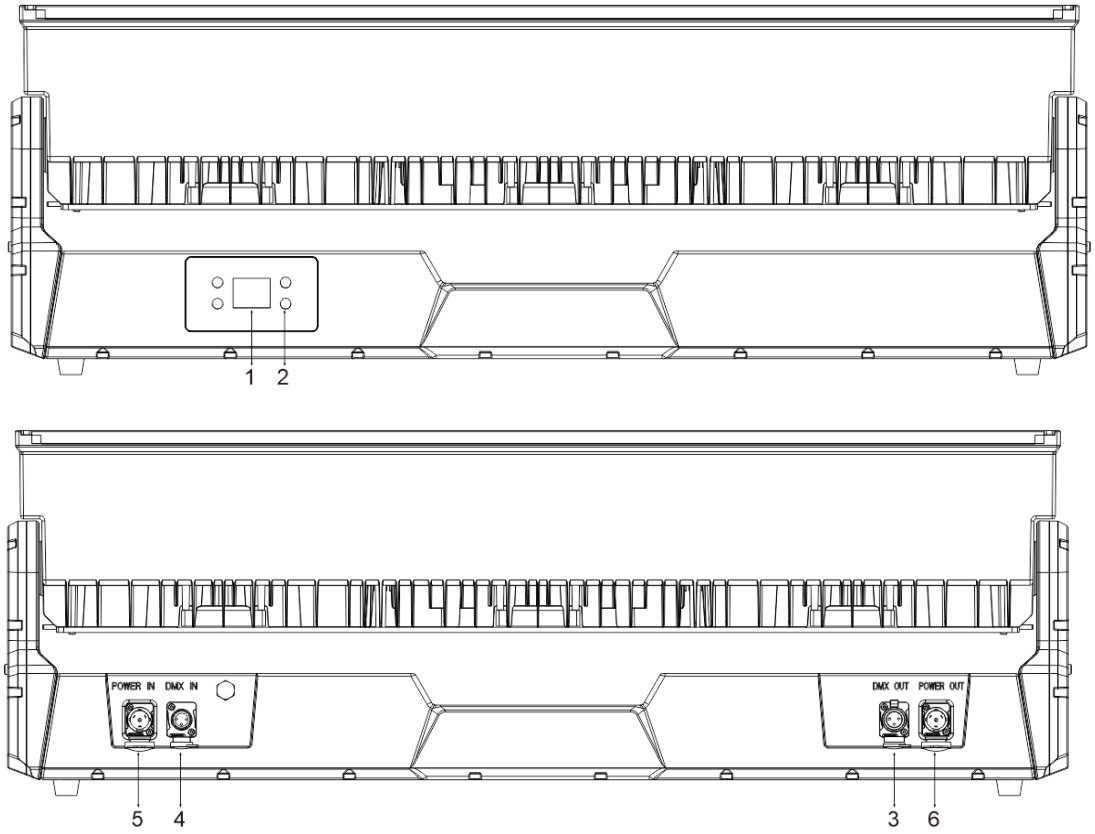
For example, if the first fixture is set to 43 ch DMX mode with a start DMX address of 1, the following fixture in the DMX chain should then be set to a DMX address of 44. As the first fixture uses all the first 43 DMX channels, the next available channel is 44 (43+1=44 >> 44).

See the chart below for more details:



Channel Mode	Unit 1 Address	Unit 2 Address	Unit 3 Address	Unit 4 Address	Unit xxx Address
43 channels	1	44	87	130	……
34 channels	1	35	69	103	……
32 channels	1	33	65	97	……
23 channels	1	24	47	90	……

06/ Overview



1. Display	To show the various menus and the selected function	
2. Buttons	MENU	To enter into move backward or leave the menu
	UP	To go backward to move up in the menu
	DOWN	To go forward to move down in the menu
	ENTER	To perform the desired functions
3. DMX IN	For DMX512 link, use 5-pin XLR cable to link the unit and DMX controller to input DMX signal (optional with 3-pin IP XLR)	
4. DMX OUT	For DMX512 link, use 5-pin XLR cable to link the next units to output DMX signal (optional with 3-pin IP XLR)	
5. POWER IN	To connect to supply power	
6.POWER OUT	To connect to supply power	

07/ Display and operation

Main menu	Sub-MENU	Parameter
DMX Address	001 - 512	Value plus or minus one
DMX Mode	Dmx Select	Channel 19/Channel 29/Channel 109/Channel 118/Channel 178
Stand Alone	Show Mode	Self-propel led program (1-10) Speed70 Auto Program(1-10) Speed 70
	Color Macro	Tilt//Dimmer/C.M
	CCT Macro	(3000K-7000K) Tilt//Dimmer/CCT
	Manual Test	Tilt/Tilt Fine/Fous/Fous 1/ Fous 2/Dimmer/ Main Strobe/WY trobe/RGB Strobe/MacroFun/Red/Greed/Blud/White/Linner/CTO/ Macro Colour/Shape/Shape Speed/Strobe W/Strobe Y/ Strobe CTO/Strobe Effect/ Strobe Speed/Strobe R/ Strobe G/Strobe B/Strobe Color/Strobe Effect/ Strobe Speed
System Setup	DMX Fail	Blackout/Auto/Hold
	Dim Curve	Exp/Log/Line/S-Curve
	Dim Resp	Halogen/ON/OFF
		Auto/High/Low

	P/T Encoder	ON / Led / Halogen
	Invert Pan	ON/OFF
	Invert Tilt	ON/OFF
	Invert Screen	ON/OFF
	Dis Backlight	ON/OFF
	Screen Lock	ON/OFF
	Language	中文/EN
	Pactory Reset	OK
		Cancel
Calibration	Password8888	Lamp calibration
System Info	Err Info	System OK
	Firmware	Display Board Ver11
		Motor Board Ver04
		LED Board Ver04
	OP.Hours	118.7H
	LED.Hours	107.0H
	Temp	28℃

08/ DMX Protoco

CH19-CHANNEL MODE:

Channel	Function	DMX value	Instruction
1	Y	0-255	0-180°
2	Y fine	0-255	TILT FINE
3	zoom	0-255	Big to small
4	Zoom 1	0-255	Big to small
5	Zoom 2	0-255	Big to small
6	Dimmer	0-255	0-100%
7	60W LED Strobe	0-7	No function
		8-15	Open
		16-131	Strobe from slow to fast
		132-139	open
		140-181	Slow open fast close from slow to fast
		182-189	open
		190-231	fast open slow close from slow to fast
		232-239	open
		240-247	Random strobe from slow to fast
		248-255	open
8	SMD White strobe	0-7	No function
		8-15	Open
		16-131	Strobe from slow to fast
		132-139	open
		140-181	Slow open fast close from slow to fast
		182-189	open
		190-231	fast open slow close from slow to fast
		232-239	open
		240-247	Random strobe from slow to fast
		248-255	open
9		0-7	No function

	SMD RGB Strobe	8-15	Open
		16-131	Strobe from slow to fast
		132-139	open
		140-181	Slow open fast close from slow to fast
		182-189	open
		190-231	fast open slow close from slow to fast
		232-239	open
		240-247	Random strobe from slow to fast
		248-255	open
10	Professional function	0-29	No function
		30-39	Dimmer curve 1
		40-49	Dimmer curve 2
		50-59	Dimmer curve 3
		60-69	Dimmer curve 4
		70-139	No function
		140-149	Y reset
		150-159	Head motors reset
		160-199	No function
		200-209	All motors reset
		210-219	Dimmer speed fast
		220-229	Dimmer speed smooth
		230-255	No function
11	60W LED Red dimmer	0-255	Dimmer 0-100%
12	60W LED green dimmer	0-255	Dimmer 0-100%
13	60W LED blue dimmer	0-255	Dimmer 0-100%
14	60W LED white dimmer	0-255	Dimmer 0-100%
15	SMD Cool white led dimmer	0-255	Dimmer 0-100%
16	SMD warm white led dimmer	0-255	Dimmer 0-100%

17	SMD Red dimmer	0-255	Dimmer 0-100%
18	SMD green dimmer	0-255	Dimmer 0-100%
19	SMD Blue dimmer	0-255	Dimmer 0-100%

CH29-CHANNEL MODE:

Channel	Function	Value	instruction
1	Y	0-255	0-180°
2	Y	0-255	TILT FINE
3	zoom	0-255	Big to small
4	Zoom 1	0-255	Big to small
5	Zoom 2	0-255	Big to small
6	Dimmer	0-255	0-100%
7	60W LED Strobe	0-7	No function
		8-15	Open
		16-131	Strobe from slow to fast
		132-139	open
		140-181	Slow open fast close from slow to fast
		182-189	open
		190-231	fast open slow close from slow to fast
		232-239	open
		240-247	Random strobe from slow to fast
		248-255	open
8	SMD White led strobe	0-7	No function
		8-15	Open
		16-131	Strobe from slow to fast
		132-139	open
		140-181	Slow open fast close from slow to fast

		182-189	open
		190-231	fast open slow close from slow to fast
		232-239	open
		240-247	Random strobe from slow to fast
		248-255	open
9	SMD RGB LED strobe	0-7	No function
		8-15	Open
		16-131	Strobe from slow to fast
		132-139	open
		140-181	Slow open fast close from slow to fast
		182-189	open
		190-231	fast open slow close from slow to fast
		232-239	open
		240-247	Random strobe from slow to fast
		248-255	open
10	Professional function	0-29	No function
		30-39	Dimmer curve 1
		40-49	Dimmer curve 2
		50-59	Dimmer curve 3
		60-69	Dimmer curve 4
		70-139	No function
		140-149	Y reset
		150-159	Head motors reset
		160-199	No function
		200-209	All motors reset
		210-219	Dimmer speed fast
		220-229	Dimmer speed smooth
		230-255	No function
11	60W LED Red dimmer	0-255	Dimmer 0-100%

12	60W LED green dimmer	0-255	Dimmer 0-100%
13	60W LED blue dimmer	0-255	Dimmer 0-100%
14	60W LED white dimmer	0-255	Dimmer 0-100%
15	60W LED Color temp	0	No function
		1-255	8000K-2500K
16	60W LED Color	0-7	No function
		8-255	Inner color option
17	60W led built-in effect	0-7	No function
		8-15	Effect 1
		...	... (8 data as one effect)
		184-191	Effect 23
		192-255	No function
18	60W led built-in effect speed	0-127	From slow to fast (without fade-out effect)
		128-255	From slow to fast (with fade-out effect)
19	SMD Cool white led dimmer	0-255	Dimmer 0-100%
20	SMD warm white led dimmer	0-255	Dimmer 0-100%
21	SMD White color temp	0-67	No function
		68-247	6500K-2600K
		248-255	No function
22	SMD White led built-in effect	0-7	No function
		8-15	Effect 1

		...	... (8 data as one effect)
		184-191	Effect 23
		192-255	No function
23	SMD White led built-in effect speed	0-127	From slow to fast (without fade-out effect)
		128-255	From slow to fast (with fade-out effect)
24	SMD Red dimmer	0-255	Dimmer 0-100%
25	SMD green dimmer	0-255	Dimmer 0-100%
26	SMD Blue dimmer	0-255	Dimmer 0-100%
27	SMD RGB Color	0-7	No function
		8-255	Inner color option
28	SMD RGB Built-in effect	0-7	No function
		8-15	Effect 1
		...	... (8 data as one effect)
		184-191	Effect 23
		192-255	No function
29	SMD RGB Built-in effect speed	0-127	From slow to fast (without fade-out effect)
		128-255	From slow to fast (with fade-out effect)

CH109-CHANNEL MODE:

Channel	Function	Value	instruction
1	Y	0-255	0-180°
2	Y fine	0-255	TILT FINE
3	zoom	0-255	Big to small
4	Zoom 1	0-255	Big to small
5	Zoom 2	0-255	Big to small
6	Dimmer	0-255	0-100%
7	60W LED Strobe	0-7	No function
		8-15	Open
		16-131	Strobe from slow to fast
		132-139	open
		140-181	Slow open fast close from slow to fast
		182-189	open
		190-231	fast open slow close from slow to fast
		232-239	open
		240-247	Random strobe from slow to fast
		248-255	open
8	SMD White led strobe	0-7	No function
		8-15	Open
		16-131	Strobe from slow to fast

		132-139	open
		140-181	Slow open fast close from slow to fast
		182-189	open
		190-231	fast open slow close from slow to fast
		232-239	open
		240-247	Random strobe from slow to fast
		248-255	open
9	SMD RGB led strobe	0-7	No function
		8-15	Open
		16-131	Strobe from slow to fast
		132-139	open
		140-181	Slow open fast close from slow to fast
		182-189	open
		190-231	fast open slow close from slow to fast
		232-239	open
		240-247	Random strobe from slow to fast
		248-255	open
10	Professional function	0-29	No function
		30-39	Dimmer curve 1
		40-49	Dimmer curve 2
		50-59	Dimmer curve 3

		60-69	Dimmer curve 4
		70-139	No function
		140-149	Y reset
		150-159	Head motors reset
		160-199	No function
		200-209	All motors reset
		210-219	Dimmer speed fast
		220-229	Dimmer speed smooth
		230-255	No function
11	60W LED Red1 dimmer	0-255	0-100%
12	60W LED Green 1 dimmer	0-255	0-100%
13	60W LED Blue 1 dimmer	0-255	0-100%
14	60W LED white 1 dimmer	0-255	0-100%
...	...	...	...
55	60W LED Red12 dimmer	0-255	0-100%
56	60W LED Green 12 dimmer	0-255	0-100%
57	60W LED Blue 12 dimmer	0-255	0-100%
58	60W LED white 12 dimmer	0-255	0-100%
59	SMD Cool white led 1 dimmer	0-255	0-100%
60	SMD warm white led 1 dimmer	0-255	0-100%
...	...	...	...

105	SMD Cool white led 24 dimmer	0-255	0-100%
106	SMD warm white led 24 dimmer	0-255	0-100%
107	SMD Red dimmer	0-255	0-100%
108	SMD green dimmer	0-255	0-100%
109	SMD Blue dimmer	0-255	0-100%

CH118-CHANNEL MODE:

Channel	Function	Value	instruction
1	Y	0-255	0-180°
2	Y fine	0-255	16bit
3	zoom	0-255	Big to small
4	Zoom 1	0-255	Big to small
5	Zoom 2	0-255	Big to small
6	Dimmer	0-255	0-100%
7	60W LED Strobe	0-7	No function
		8-15	Open
		16-131	Strobe from slow to fast
		132-139	open
		140-181	Slow open fast close from slow to fast
		182-189	open
		190-231	fast open slow close from slow to fast
		232-239	open

		240-247	Random strobe from slow to fast
		248-255	open
8	SMD White strobe	0-7	No function
		8-15	Open
		16-131	Strobe from slow to fast
		132-139	open
		140-181	Slow open fast close from slow to fast
		182-189	open
		190-231	fast open slow close from slow to fast
		232-239	open
		240-247	Random strobe from slow to fast
		248-255	open
9	SMD RGB Strobe	0-7	No function
		8-15	Open
		16-131	Strobe from slow to fast
		132-139	open
		140-181	Slow open fast close from slow to fast
		182-189	open
		190-231	fast open slow close from slow to fast
		232-239	open
		240-247	Random strobe from slow to fast

		248-255	open
10	Professional function	0-29	No function
		30-39	Dimmer curve 1
		40-49	Dimmer curve 2
		50-59	Dimmer curve 3
		60-69	Dimmer curve 4
		70-139	No function
		140-149	Y reset
		150-159	Head motors reset
		160-199	No function
		200-209	All motors reset
		210-219	Dimmer speed fast
		220-229	Dimmer speed smooth
		230-255	No function
11	60W LED Red1 dimmer	0-255	Dimmer 0-100%
12	60W LED Green 1 dimmer	0-255	Dimmer 0-100%
13	60W LED Blue 1 dimmer	0-255	Dimmer 0-100%
14	60W LED white 1 dimmer	0-255	Dimmer 0-100%
...	...	...	...
55	60W LED Red12 dimmer	0-255	Dimmer 0-100%
56	60W LED Green 12 dimmer	0-255	Dimmer 0-100%

57	60W LED Blue 12 dimmer	0-255	Dimmer 0-100%
58	60W LED white 12 dimmer	0-255	Dimmer 0-100%
59	SMD Cool white led 1 dimmer	0-255	Dimmer 0-100%
60	SMD warm white led 1 dimmer	0-255	Dimmer 0-100%
...	...	...	...
81	SMD Cool white led 12 dimmer	0-255	Dimmer 0-100%
82	SMD warm white led 12 dimmer	0-255	Dimmer 0-100%
83	SMD Red 1	0-255	Dimmer 0-100%
84	SMD Green 1	0-255	Dimmer 0-100%
85	SMD Blue 1	0-255	Dimmer 0-100%
...	...	...	...
116	SMD Red 12	0-255	Dimmer 0-100%
117	SMD Green 12	0-255	Dimmer 0-100%
118	SMD Blue 12	0-255	Dimmer 0-100%

09/ Troubleshooting

Problem	Potential cause(s)	Remedies
Fixture does not respond or appears to be off.	No power to the fixture.	Confirm that the power is switched on and cables are plugged in.
	No output from PSU.	Replace the PSU.
Fixture suddenly turned off.	Power was turned off.	Check the power supply, switches and breakers
Light output cuts out intermittently.	Fixture is too hot.	Check fixture's stored error messages for more information. Allow fixture to cool. Clean fixture. Reduce ambient temperature.
Fixture suddenly stopped responding.	DMX cables were disconnected.	nspect DMX cables.
Fixture operates irregularly / abnormal.	Incorrect DMX address or DMX mode.	Inspect and enter the correct DMX address or mode
	DMX link is not terminated.	Install a XLR 120ohm DMX termination at the end of the DMX link.
	Bad data link.	Replace or repair defective cables and/or connections
	One of the fixtures is defective and is disturbing data transmission on the link.	Track and isolate the corrupted fixture. Have the fixture serviced by a qualified technician.
Pan / tilt is skipping / shuddering	Pan/ tilt locks are not released.	Release the pan / tilt locks
	Obstacles are within the required pan / tilt clearance.	Inspect and remove any obstacles constraining free operation of the pan / tilt.
	The Hall element is damaged	Replace the Hall element
	The magnetic steel fell out	Replace the magnetic steel

10/ Fixture Cleaning

Regular cleaning is very important for fixture life and performance. Buildup of dust, dirt,
smoke particles, fog fluid residues, etc. degrades the fixture's light output and cooling ability.
Cleaning schedules for lighting fixtures vary greatly depending on the operating environment.
It is therefore impossible to specify precise cleaning intervals for the fixture. Environmental
factors that may result in a need for frequent cleaning include:

Use of smoke or fog machines.

High airflow rates (near air conditioning vents, for example).

Airborne dust (from stage effects, building structures and fittings or the natural environment at outdoor events, for example).

If one or more of these factors is present, inspect fixtures within their first few hours of operation to see whether cleaning is necessary. Check again at frequent intervals. This procedure will allow you to assess cleaning requirements in your particular situation.
Follow these precautions when cleaning the fixture:

Work in a clean, dry, well-lit area.

Use gentle pressure only. A soft lint-free cloth dampened with a solution of water and a
mild detergent is recommended, under no circumstances should alcohol, solvents or abrasives be used! Use care when cleaning optical components: surfaces are fragile and
easily scratched.