



SPL-LED-600 IP



User Manual

Please read the instruction carefully before use

CONTENTS

01/ Safety Information.....	3-4
02/ Technical Specifications.....	5-6
03/ Connecting Power and Data.....	6
04/ Connecting Data.....	7
05/ Address Setting.....	8
06/ Overview.....	9
07/ Display and operation.....	10-13
08/ DMX Protoco.....	14-32
09/ Troubleshooting.....	32
10/ Fixture Cleaning.....	33

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°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 70°C. 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

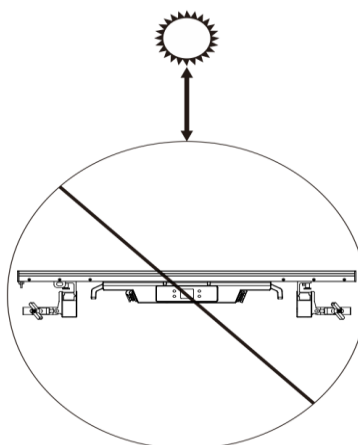
the damaged parts replaced by an authorized technician at once.

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 consumption : 700W

Light source: 5055/0.5W 1152pcs 4in 1

2835 White/1W 192pcs CCT: 6000K~6500K

2835 Warm White/1W 96pcs CCT: 3000K~3500K

Lifespan: 50,000 hours

dimmer: 0%~100% linear dimmer

Strobe: 1S/25HZ(Multiple strobe effects)

Features: Wash, Strobe, Effect, Motorized Frost

Built-in Effects: The internal programs can be selected and controlled via DMX console or by executing pre-set programs. Speed is adjustable

Display: LCD display

Control mode: DMX512/Auto/Art-Net/RDM

DMX512: 21/69/99/179/339CH

Art-Net : 49/97/177/337/561/1201/4657CH

Software can be updated through the DMX

DMX Connection: IP65 3-Pins XLR input and output

Network port input/output: RJ45

Power connection: IP65 PowerCon In/out

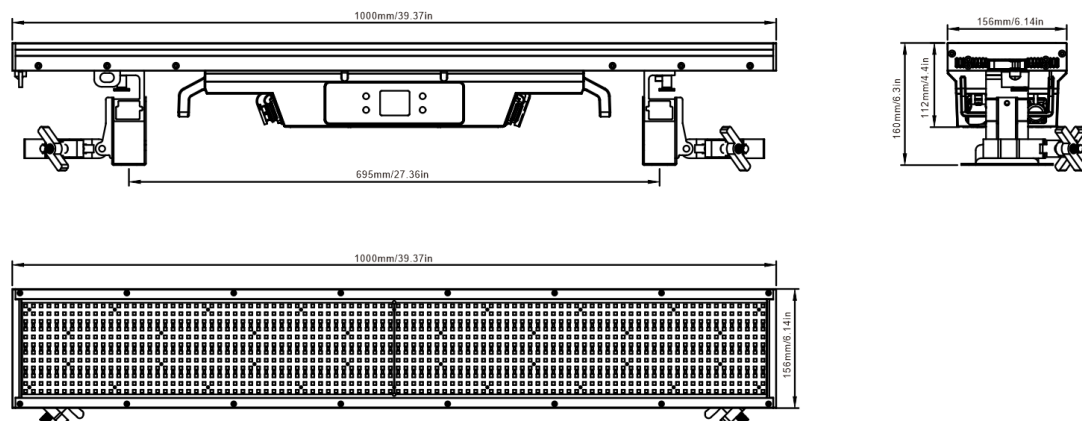
IP Rate: IP65

Max. Operating ambient temperature: 45°

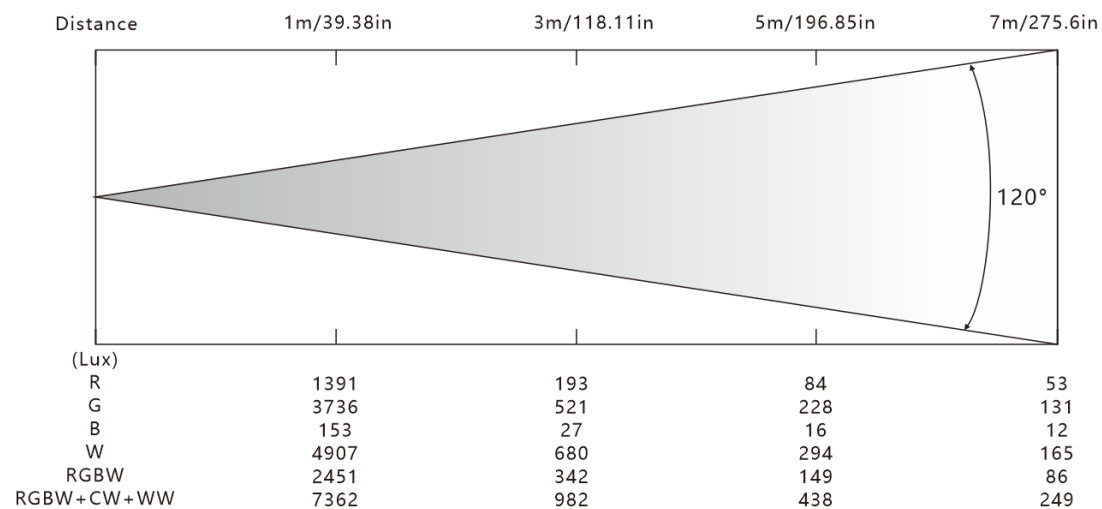
Min. Operating ambient temperature: -10°

Product size: 1000 mm (39.37")x156 mm (6.14")x160mm (6.3") (LxWxH)

N.W: 11Kg (24.25 lbs)



Photometric Diagram:



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	$\perp$ or $\oplus$	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.

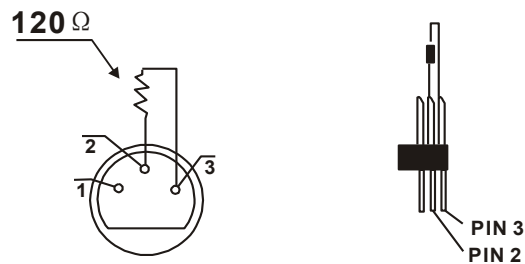
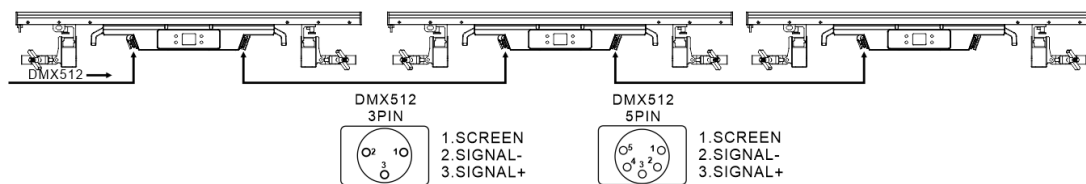
Connect

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.

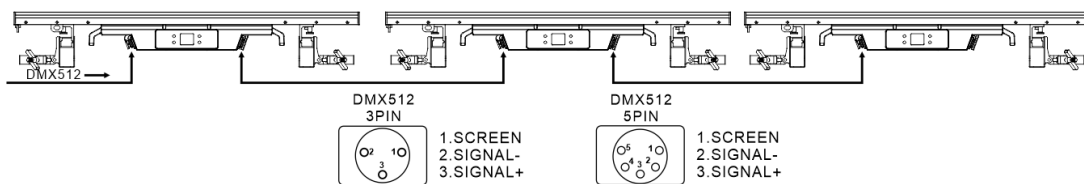
You can set the same starting address for all fixtures or a group of fixtures, or set different addresses for each individual fixture.

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.

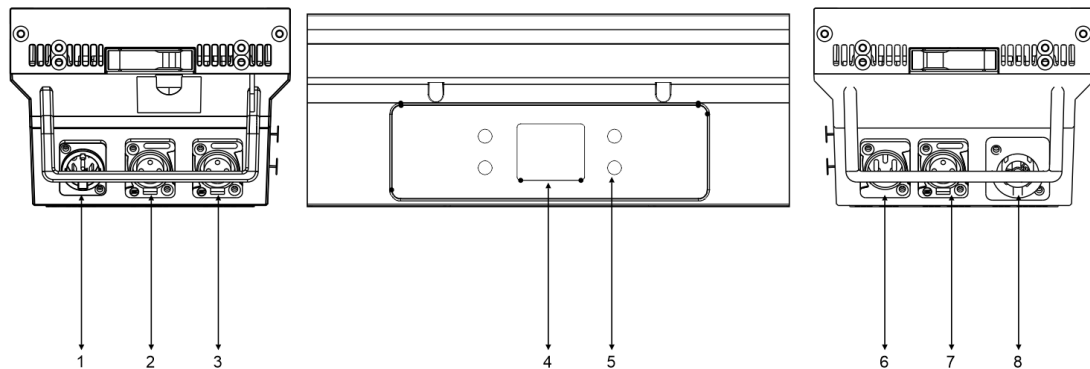
For example, if the first fixture is set to 43 ch DMX mode with a start DMX address of 1, the following fixture in the DMX chain should then be set to a DMX address of 44. As the first fixture uses all the first 43 DMX channels, the next available channel is 44 ($43+1=44 >> 44$).

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. Power In	Connect power supply	
2. Art-Net	Network port output, used for connection with the matrix, connect the next fixture with an RJ45 network cable and output the signal	
3. DMX input	For DMX512 connection, use 3-pin XLR signal cable to connect the next fixture and output DMX signal (optional 5-pin)	
4. Display Screen	Display various function menus	
5. 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
6. DMX output	For DMX512 connection, use 3-pin XLR signal cable to connect the next fixture and output DMX signal (optional 5-pin)	
7. Art-Net	Network port output, used for connection with the matrix, connect the next fixture with an RJ45 network cable and output the signal	
8. POWER OUT	Connect next fixture	

07/ Display and operation

Menu			
Menu Function	Sub-Function	Sub-Function	
DMX Address	Address	001-512	
DMX Mode	Channel	21CH (Default) /69CH/99CH/179CH/339CH/49CH/ 97CH/177CH/337CH/561CH/1201CH/4657CH	
Stand Alone	Show Mode	Auto Program	000-010
		Speed	000-100
	Manual Test	Dimmer	000-255
		Strobe	000-255
		Frost	000-255
		Red	000-255
		Green	000-255
		Blue	000-255
		White	000-255
		Macro Colour	000-255
		CCT	000-255
		RGBW Effect	000-255
		RGBW Eff Speed	000-255
		BG Red	000-255
		BG Green	000-255
		BG Blue	000-255
		BG White	000-255
		CW Dimmer	000-255
		CW Effect	000-255
		CW Eff Speed	000-255
		WW Dimmer	000-255
		WW Effect	000-255
		WW Eff Speed	000-255
System Setup	DMX Fail	Blackout/Hold/Auto	
	Pizel Flip	ON/OFF	
	NetWork	IP Address	xxx.xxx.xxx.xxx
		Net Mask	xxx.xxx.xxx.xxx

		Universe	Universe 1: xxxxx	
			Universe 2: xxxxx	
			Universe 3: xxxxx	
			Universe 4: xxxxx	
			Universe 5: xxxxx	
			Universe 6: xxxxx	
			Universe 7: xxxxx	
			Universe 8: xxxxx	
			Universe 9: xxxxx	
			Universe 10: xxxxx	
	Screen Saver	ON/OFF		
	Screen Lock	ON/OFF		
	Invert Screen	ON/OFF		
Update slave	ON/OFF			
Language	Chinese/EN			
Load Default	Yes/No			
Calibration	Password: 8888	Balance Red	000-255	
		Balance Green	000-255	
		Balance Blue	000-255	
		Balance White	000-255	
		Balance CW	000-255	
		Balance WW	000-255	
		Power	000-255	
		Reserve	000-255	
		Time Clear	000-255	
		Change password	New Password: x x x x	
System Info	Error Info	System OK!		
	DMX Data			
	Firmware	Hardware: xx.xx.xx.x		
		Software: xx.xx.xx.x		
	Op.Hours	x.x H		
	LED.Hours	x.x H		

DMX Address

Press the <MENU> button to enter the main menu, select <DMX Address>, press the <ENTER> button

to confirm, use the <UP/DOWN> button to select: **001-512**.

DMX Address

Select **DMX Address** and press the **ENTER** button to confirm.

Use the **UP/DOWN** button to select **001-512** and press the **ENTER** button to save.

Press the **MENU** button to return to the previous menu.

DMX Mode

Press the <MENU> button to enter the main menu, select <**DMX Mode**> , press the <**ENTER**> button to confirm, use the <**UP/DOWN**> button to select:

21CH/69CH/99CH/179CH/339CH/49CH/97CH/177CH/337CH/561CH/1201CH/4657CH

DMX Mode

Select **DMX Mode** and press the **ENTER** button to confirm.

Use the **UP/DOWN** button to select **21CH/69CH/99CH/179CH/339CH/49CH/97CH/177CH/337CH/561CH/1201CH/4657CH**

and press the **ENTER** button to save.

Press the **MENU** button to return to the previous menu.

Stand Alone

Press the <MENU> button to enter the main menu, select <**Stand Alone**> , press the <**ENTER**> button to confirm, use the <**UP/DOWN**> button to select: **Stand Alone**

Stand Alone

Select **Stand Alone** and press the **ENTER** button to confirm.

Use the **UP/DOWN** button to select **Show Mode,Manual Test** and press the **ENTER** button to save.

Press the **MENU** button to return to the previous menu.

System Setup

Press the <MENU> button to enter the main menu, select <**System Setup**> , press the <**ENTER**> button to confirm, use the <**UP/DOWN**> button to select: **DMX Fail/Pizel Flip,/Net Work/Screen Saver/Screen**

Lock/Invert Screen/Update slave/Language/Load Default

System Setup

Select **System Setup** and press the **ENTER** button to confirm.

Use the **UP/DOWN** button to select **DMX Fail/Pixel Flip/Net Work/Screen Saver/Screen Lock/Invert Screen/Update slave/Language/Load Default** and press the **ENTER** button to save.

Press the **MENU** button to return to the previous menu.

Calibration

Press the <MENU> button to enter the main menu, select <Calibration>, press the <ENTER >button to confirm,use the <UP/DOWN> buttons to select **Balance Red/Balance Green/**

Balance Blue/Balance CW/Balance WW/Power/Reserve/Time Clear/Change password

Calibration

Select **Calibration** and press the **ENTER** button to confirm.

Use the **UP/DOWN** button to select **Balance Red/Balance Green/**

Balance Blue/Balance CW/Balance WW/Power/Reserve/Time Clear/Change password and press the **ENTER** button to save.

Press the **MENU** button to return to the previous menu.

System Info

Press the <MENU> button to enter the main menu, select <System Info>, press the <ENTER >button to confirm,Use the UP/DOWN button to select :**Error Info/DMX Data/Firmware/Op.Hours/LED.Hours**

System Info

Select **System Info** and press the **ENTER** button to confirm.

Use the **UP/DOWN** button to select **Error Info/DMX Data/**

Firmware/Op.Hours/LED.Hours and press the **ENTER** button to save.

Press the **MENU** button to return to the previous menu.

08/ DMX Protoco

CH21-CHANNEL MODE:

21CH	Function	DMX value	Channel Function
1	Dimmer	0-255	0-100% dimmer
2	Strobe	0-7	Shutter Close
		8-15	Shutter Open
		16-131	Strobe,from slow to fast
		132-139	Shutter Open
		140-181	Fast Open, Slow Close , from slow to fast
		182-189	Shutter Open
		190-231	Slow Open, Fast Close , from slow to fast
		232-239	Shutter Open
		240-247	Random strobe,from slow to fast
		248-255	Shutter Open
3	Motorized Frost	0-255	Linear Frost from Light to Heavy
4	Red	0-255	Linear Fade from Dark to Bright
5	Green	0-255	Linear Fade from Dark to Bright
6	Blue	0-255	Linear Fade from Dark to Bright
7	White	0-255	Linear Fade from Dark to Bright
8	Macro Colour	0-5	No function
		6-013	Color1
		14-21	Color2
		22-29	Color3
		30-37	Color4
		38-45	Color5
		46-53	Color6
		54-61	Color7
		62-69	Color8
		70-77	Color9
		78-85	Color10
		86-93	Color11
		94-101	Color12

		102-109	Color13
		110-117	Color14
		118-125	Color15
		126-133	Color16
		134-141	Color17
		142-149	Color18
		150-157	Color19
		158-165	Color20
		166-173	Color21
		174-181	Color22
		182-189	Color23
		190-197	Color24
		198-205	Color25
		206-213	Color26
		214-221	Color27
		222-229	Color28
		230-237	Color29
		238-255	No function
9	CCT	0-255	8000K-3200K Linear crossfade from Cool White to Warm White.
10	RGBW Effect	0	No function
		1-3	Effect1
		04-07	Effect2
		08-11	Effect3
		12-15	Effect4
		16-19	Effect5
		20-23	Effect6
		24-27	Effect7
		28-31	Effect8
		32-35	Effect9
		36-39	Effect10
		40-43	Effect11
		44-47	Effect12

		48-51	Effect13
		52-55	Effect14
		56-59	Effect15
		60-63	Effect16
		64-67	Effect17
		68-71	Effect18
		72-75	Effect19
		76-79	Effect20
		80-83	Effect21
		84-87	Effect22
		88-91	Effect23
		92-95	Effect24
		96-99	Effect25
		100-103	Effect26
		104-107	Effect27
		108-111	Effect28
		112-115	Effect29
		116-119	Effect30
		120-123	Effect31
		124-127	Effect32
		128-131	Effect33
		132-135	Effect34
		136-139	Effect35
		140-143	Effect36
		144-147	Effect37
		148-151	Effect38
		152-155	Effect39
		156-159	Effect40
		160-163	Effect41
		164-167	Effect42
		168-171	Effect43
		172-175	Effect44
		176-179	Effect45
		180-183	Effect46

		184-187	Effect47
		188-191	Effect48
		192-195	Effect49
		196-199	Effect50
		200-203	Effect51
		204-207	Effect52
		208-211	Effect53
		212-215	Effect54
		216-219	Effect55
		220-223	Effect56
		224-227	Effect57
		228-231	Effect58
		232-235	Effect59
		236-239	Effect60
		240-243	Effect61
		244-247	Effect62
		248-251	Effect63
		252-255	Effect64
11	RGBW Eff speed	0-255	from slow to fast
12	BG Red	0-255	Linear Fade from Dark to Bright
13	BG Green	0-255	Linear Fade from Dark to Bright
14	BG Blue	0-255	Linear Fade from Dark to Bright
15	BG White	0-255	Linear Fade from Dark to Bright
16	CW	0-255	Linear Fade from Dark to Bright
17	CW Effect	0	No function
		1-7	Effect1
		08-15	Effect2
		16-23	Effect3
		24-31	Effect4
		32-39	Effect5
		40-47	Effect6
		48-55	Effect7
		56-63	Effect8

		64-71	Effect9
		72-79	Effect10
		80-87	Effect11
		88-95	Effect12
		96-103	Effect13
		104-111	Effect14
		112-119	Effect15
		120-127	Effect16
		128-135	Effect17
		136-143	Effect18
		144-151	Effect19
		152-159	Effect20
		160-167	Effect21
		168-175	Effect22
		176-183	Effect23
		184-191	Effect24
		192-199	Effect25
		200-207	Effect26
		208-215	Effect27
		216-223	Effect28
		224-231	Effect29
		232-239	Effect30
		240-247	Effect31
		248-255	Effect32
18	CW Eff Speed	0-255	from slow to fast
19	WW	0-255	Linear Fade from Dark to Bright
20	WW Effect	0	No function
		1-7	Effect1
		08-15	Effect2
		16-23	Effect3
		24-31	Effect4
		32-39	Effect5
		40-47	Effect6
		48-55	Effect7

		56-63	Effect8
		64-71	Effect9
		72-79	Effect10
		80-87	Effect11
		88-95	Effect12
		96-103	Effect13
		104-111	Effect14
		112-119	Effect15
		120-127	Effect16
		128-135	Effect17
		136-143	Effect18
		144-151	Effect19
		152-159	Effect20
		160-167	Effect21
		168-175	Effect22
		176-183	Effect23
		184-191	Effect24
		192-199	Effect25
		200-207	Effect26
		208-215	Effect27
		216-223	Effect28
		224-231	Effect29
		232-239	Effect30
		240-247	Effect31
		248-255	Effect32
21	WW Eff Speed	0-255	from slow to fast

CH69-CHANNEL MODE:

69CH	Function	DMX value	Channel Function
1	Dimmer	0-255	0-100% dimmer
2	Strobe	0-7	Shutter Close
		8-15	Shutter Open
		16-131	Strobe,from slow to fast

		132-139	Shutter Open
		140-181	Fast Open, Slow Close , from slow to fast
		182-189	Shutter Open
		190-231	Slow Open, Fast Close , from slow to fast
		232-239	Shutter Open
		240-247	Random strobe,from slow to fast
		248-255	Shutter Open
3	Motorized Frost	0-255	Linear Frost from Light to Heavy
4	Red	0-255	Linear Fade from Dark to Bright
5	Green	0-255	Linear Fade from Dark to Bright
6	Blue	0-255	Linear Fade from Dark to Bright
7	White	0-255	Linear Fade from Dark to Bright
8	Macro Colour	0-5	No function
		6-013	Color1
		14-21	Color2
		22-29	Color3
		30-37	Color4
		38-45	Color5
		46-53	Color6
		54-61	Color7
		62-69	Color8
		70-77	Color9
		78-85	Color10
		86-93	Color11
		94-101	Color12
		102-109	Color13
		110-117	Color14
		118-125	Color15
		126-133	Color16
		134-141	Color17
		142-149	Color18
		150-157	Color19
		158-165	Color20

		166-173	Color21
		174-181	Color22
		182-189	Color23
		190-197	Color24
		198-205	Color25
		206-213	Color26
		214-221	Color27
		222-229	Color28
		230-237	Color29
		238-255	No function
9	CCT	0-255	8000K-3200K Linear crossfade from Cool White to Warm White.
10	RGBW Effect	0	No function
		1-3	Effect1
		04-07	Effect2
		08-11	Effect3
		12-15	Effect4
		16-19	Effect5
		20-23	Effect6
		24-27	Effect7
		28-31	Effect8
		32-35	Effect9
		36-39	Effect10
		40-43	Effect11
		44-47	Effect12
		48-51	Effect13
		52-55	Effect14
		56-59	Effect15
		60-63	Effect16
		64-67	Effect17
		68-71	Effect18
		72-75	Effect19
		76-79	Effect20

		80-83	Effect21
		84-87	Effect22
		88-91	Effect23
		92-95	Effect24
		96-99	Effect25
		100-103	Effect26
		104-107	Effect27
		108-111	Effect28
		112-115	Effect29
		116-119	Effect30
		120-123	Effect31
		124-127	Effect32
		128-131	Effect33
		132-135	Effect34
		136-139	Effect35
		140-143	Effect36
		144-147	Effect37
		148-151	Effect38
		152-155	Effect39
		156-159	Effect40
		160-163	Effect41
		164-167	Effect42
		168-171	Effect43
		172-175	Effect44
		176-179	Effect45
		180-183	Effect46
		184-187	Effect47
		188-191	Effect48
		192-195	Effect49
		196-199	Effect50
		200-203	Effect51
		204-207	Effect52
		208-211	Effect53
		212-215	Effect54

		216-219	Effect55
		220-223	Effect56
		224-227	Effect57
		228-231	Effect58
		232-235	Effect59
		236-239	Effect60
		240-243	Effect61
		244-247	Effect62
		248-251	Effect63
		252-255	Effect64
11	RGBW Eff speed	0-255	from slow to fast
12	BG Red	0-255	Linear Fade from Dark to Bright
13	BG Green	0-255	Linear Fade from Dark to Bright
14	BG Blue	0-255	Linear Fade from Dark to Bright
15	BG White	0-255	Linear Fade from Dark to Bright
16	CW	0-255	Linear Fade from Dark to Bright
17	CW Effect	0	No function
		1-7	Effect1
		08-15	Effect2
		16-23	Effect3
		24-31	Effect4
		32-39	Effect5
		40-47	Effect6
		48-55	Effect7
		56-63	Effect8
		64-71	Effect9
		72-79	Effect10
		80-87	Effect11
		88-95	Effect12
		96-103	Effect13
		104-111	Effect14
		112-119	Effect15
		120-127	Effect16
		128-135	Effect17

		136-143	Effect18
		144-151	Effect19
		152-159	Effect20
		160-167	Effect21
		168-175	Effect22
		176-183	Effect23
		184-191	Effect24
		192-199	Effect25
		200-207	Effect26
		208-215	Effect27
		216-223	Effect28
		224-231	Effect29
		232-239	Effect30
		240-247	Effect31
		248-255	Effect32
18	CW Eff Speed	0-255	from slow to fast
19	WW	0-255	Linear Fade from Dark to Bright
20	WW Effect	0	No function
		1-7	Effect1
		08-15	Effect2
		16-23	Effect3
		24-31	Effect4
		32-39	Effect5
		40-47	Effect6
		48-55	Effect7
		56-63	Effect8
		64-71	Effect9
		72-79	Effect10
		80-87	Effect11
		88-95	Effect12
		96-103	Effect13
		104-111	Effect14
		112-119	Effect15
		120-127	Effect16

		128-135	Effect17
		136-143	Effect18
		144-151	Effect19
		152-159	Effect20
		160-167	Effect21
		168-175	Effect22
		176-183	Effect23
		184-191	Effect24
		192-199	Effect25
		200-207	Effect26
		208-215	Effect27
		216-223	Effect28
		224-231	Effect29
		232-239	Effect30
		240-247	Effect31
		248-255	Effect32
21	WW Eff Speed	0-255	from slow to fast
22	Red1	0-255	Linear Fade from Dark to Bright
23	Green1	0-255	Linear Fade from Dark to Bright
24	Blue1	0-255	Linear Fade from Dark to Bright
25	White1	0-255	Linear Fade from Dark to Bright
...	...	0-255	Linear Fade from Dark to Bright
50	Red8	0-255	Linear Fade from Dark to Bright
51	Green8	0-255	Linear Fade from Dark to Bright
52	Blue8	0-255	Linear Fade from Dark to Bright
53	White8	0-255	Linear Fade from Dark to Bright
54	CW1	0-255	Linear Fade from Dark to Bright
...	...	0-255	Linear Fade from Dark to Bright
61	CW8	0-255	Linear Fade from Dark to Bright
62	WW1	0-255	Linear Fade from Dark to Bright
...	...	0-255	Linear Fade from Dark to Bright
69	WW8	0-255	Linear Fade from Dark to Bright

CH99-CHANNEL MODE:

99CH	Function	DMX value	Channel Function
1	Dimmer	0-255	0-100% dimmer
2	Strobe	0-7	Shutter Close
		8-15	Shutter Open
		16-131	Strobe,from slow to fast
		132-139	Shutter Open
		140-181	Fast Open, Slow Close , from slow to fast
		182-189	Shutter Open
		190-231	Slow Open, Fast Close , from slow to fast
		232-239	Shutter Open
		240-247	Random strobe,from slow to fast
		248-255	Shutter Open
3	Motorized Frost	0-255	Linear Frost from Light to Heavy
4	Red1	0-255	Linear Fade from Dark to Bright
5	Green1	0-255	Linear Fade from Dark to Bright
6	Blue1	0-255	Linear Fade from Dark to Bright
7	White1	0-255	Linear Fade from Dark to Bright
...	...	0-255	Linear Fade from Dark to Bright
64	Red16	0-255	Linear Fade from Dark to Bright
65	Green16	0-255	Linear Fade from Dark to Bright
66	Blue16	0-255	Linear Fade from Dark to Bright
67	White16	0-255	Linear Fade from Dark to Bright
68	CW1	0-255	Linear Fade from Dark to Bright
...	...	0-255	Linear Fade from Dark to Bright
83	CW16	0-255	Linear Fade from Dark to Bright
84	WW1	0-255	Linear Fade from Dark to Bright
...	...	0-255	Linear Fade from Dark to Bright
99	WW16	0-255	Linear Fade from Dark to Bright

CH179-CHANNEL MODE:

179CH	Function	DMX value	Channel Function
1	Dimmer	0-255	0-100% dimmer

2	Strobe	0-7	Shutter Close
		8-15	Shutter Open
		16-131	Strobe,from slow to fast
		132-139	Shutter Open
		140-181	Fast Open, Slow Close , from slow to fast
		182-189	Shutter Open
		190-231	Slow Open, Fast Close , from slow to fast
		232-239	Shutter Open
		240-247	Random strobe,from slow to fast
		248-255	Shutter Open
3	Motorized Frost	0-255	Linear Frost from Light to Heavy
4	Red1	0-255	Linear Fade from Dark to Bright
5	Green1	0-255	Linear Fade from Dark to Bright
6	Blue1	0-255	Linear Fade from Dark to Bright
7	White1	0-255	Linear Fade from Dark to Bright
...	...	0-255	Linear Fade from Dark to Bright
128	Red32	0-255	Linear Fade from Dark to Bright
129	Green32	0-255	Linear Fade from Dark to Bright
130	Blue32	0-255	Linear Fade from Dark to Bright
131	White32	0-255	Linear Fade from Dark to Bright
132	CW1	0-255	Linear Fade from Dark to Bright
...	...	0-255	Linear Fade from Dark to Bright
163	CW32	0-255	Linear Fade from Dark to Bright
164	WW1	0-255	Linear Fade from Dark to Bright
...	...	0-255	Linear Fade from Dark to Bright
179	WW16	0-255	Linear Fade from Dark to Bright

CH339-CHANNEL MODE:

339CH	Function	DMX value	Channel Function
1	Dimmer	0-255	0-100% dimmer
2	Strobe	0-7	Shutter Close
		8-15	Shutter Open
		16-131	Strobe,from slow to fast

		132-139	Shutter Open
		140-181	Fast Open, Slow Close , from slow to fast
		182-189	Shutter Open
		190-231	Slow Open, Fast Close , from slow to fast
		232-239	Shutter Open
		240-247	Random strobe,from slow to fast
		248-255	Shutter Open
3	Motorized Frost	0-255	Linear Frost from Light to Heavy
4	Red1	0-255	Linear Fade from Dark to Bright
5	Green1	0-255	Linear Fade from Dark to Bright
6	Blue1	0-255	Linear Fade from Dark to Bright
7	White1	0-255	Linear Fade from Dark to Bright
...	...	0-255	Linear Fade from Dark to Bright
288	Red72	0-255	Linear Fade from Dark to Bright
289	Green72	0-255	Linear Fade from Dark to Bright
290	Blue72	0-255	Linear Fade from Dark to Bright
291	White72	0-255	Linear Fade from Dark to Bright
292	CW1	0-255	Linear Fade from Dark to Bright
...	...	0-255	Linear Fade from Dark to Bright
323	CW32	0-255	Linear Fade from Dark to Bright
324	WW1	0-255	Linear Fade from Dark to Bright
...	...	0-255	Linear Fade from Dark to Bright
339	WW16	0-255	Linear Fade from Dark to Bright

Art-net:49CH

49CH	Function	DMX value	Channel Function
1	Red1	0-255	Linear Fade from Dark to Bright
2	Green1	0-255	Linear Fade from Dark to Bright
3	Blue1	0-255	Linear Fade from Dark to Bright
4	White1	0-255	Linear Fade from Dark to Bright
...	...	0-255	Linear Fade from Dark to Bright
29	Red8	0-255	Linear Fade from Dark to Bright
30	Green8	0-255	Linear Fade from Dark to Bright

31	Blue8	0-255	Linear Fade from Dark to Bright
32	White8	0-255	Linear Fade from Dark to Bright
33	CW1	0-255	Linear Fade from Dark to Bright
...	...	0-255	Linear Fade from Dark to Bright
40	CW8	0-255	Linear Fade from Dark to Bright
41	WW1	0-255	Linear Fade from Dark to Bright
...	...	0-255	Linear Fade from Dark to Bright
48	WW8	0-255	Linear Fade from Dark to Bright
49	Motorized Frost	0-255	Linear Frost from Light to Heavy

Art-net:177CH

177CH	Function	DMX value	Channel Function
1	Red1	0-255	Linear Fade from Dark to Bright
2	Green1	0-255	Linear Fade from Dark to Bright
3	Blue1	0-255	Linear Fade from Dark to Bright
4	White1	0-255	Linear Fade from Dark to Bright
...	...	0-255	Linear Fade from Dark to Bright
125	Red32	0-255	Linear Fade from Dark to Bright
126	Green32	0-255	Linear Fade from Dark to Bright
127	Blue32	0-255	Linear Fade from Dark to Bright
128	White32	0-255	Linear Fade from Dark to Bright
129	CW1	0-255	Linear Fade from Dark to Bright
...	...	0-255	Linear Fade from Dark to Bright
161	WW1	0-255	Linear Fade from Dark to Bright
...	...	0-255	Linear Fade from Dark to Bright
176	WW16	0-255	Linear Fade from Dark to Bright
177	Motorized Frost	0-255	Linear Frost from Light to Heavy

Art-net:337CH

337CH	Function	DMX value	Channel Function
1	Red1	0-255	Linear Fade from Dark to Bright
2	Green1	0-255	Linear Fade from Dark to Bright

3	Blue1	0-255	Linear Fade from Dark to Bright
4	White1	0-255	Linear Fade from Dark to Bright
...	...	0-255	Linear Fade from Dark to Bright
285	Red72	0-255	Linear Fade from Dark to Bright
286	Green72	0-255	Linear Fade from Dark to Bright
287	Blue72	0-255	Linear Fade from Dark to Bright
288	White72	0-255	Linear Fade from Dark to Bright
289	CW1	0-255	Linear Fade from Dark to Bright
...	...	0-255	Linear Fade from Dark to Bright
320	CW32	0-255	Linear Fade from Dark to Bright
321	WW1	0-255	Linear Fade from Dark to Bright
...	...	0-255	Linear Fade from Dark to Bright
336	WW16	0-255	Linear Fade from Dark to Bright
337	Motorized Frost	0-255	Linear Frost from Light to Heavy

Art-net:561CH

561CH	Function	DMX value	Channel Function
1	Red1	0-255	Linear Fade from Dark to Bright
2	Green1	0-255	Linear Fade from Dark to Bright
3	Blue1	0-255	Linear Fade from Dark to Bright
4	White1	0-255	Linear Fade from Dark to Bright
...	...	0-255	Linear Fade from Dark to Bright
509	Red128	0-255	Linear Fade from Dark to Bright
510	Green128	0-255	Linear Fade from Dark to Bright
511	Blue128	0-255	Linear Fade from Dark to Bright
512	White128	0-255	Linear Fade from Dark to Bright
513	CW1	0-255	Linear Fade from Dark to Bright
...	...	0-255	Linear Fade from Dark to Bright
544	CW32	0-255	Linear Fade from Dark to Bright
545	WW1	0-255	Linear Fade from Dark to Bright
...	...	0-255	Linear Fade from Dark to Bright
560	WW16	0-255	Linear Fade from Dark to Bright
561	Motorized Frost	0-255	Linear Frost from Light to Heavy

Art-net:1201 CH

1201CH	Function	DMX value	Channel Function
1	Red1	0-255	Linear Fade from Dark to Bright
2	Green1	0-255	Linear Fade from Dark to Bright
3	Blue1	0-255	Linear Fade from Dark to Bright
4	White1	0-255	Linear Fade from Dark to Bright
...	...	0-255	Linear Fade from Dark to Bright
1149	Red288	0-255	Linear Fade from Dark to Bright
1150	Green288	0-255	Linear Fade from Dark to Bright
1151	Blue288	0-255	Linear Fade from Dark to Bright
1152	White288	0-255	Linear Fade from Dark to Bright
1153	CW1	0-255	Linear Fade from Dark to Bright
...	...	0-255	Linear Fade from Dark to Bright
1184	CW32	0-255	Linear Fade from Dark to Bright
1185	WW1	0-255	Linear Fade from Dark to Bright
...	...	0-255	Linear Fade from Dark to Bright
1200	WW16	0-255	Linear Fade from Dark to Bright
1201	Motorized Frost	0-255	Linear Frost from Light to Heavy

Art-net:4657 CH

4657CH	Function	DMX value	Channel Function
1	Red1	0-255	Linear Fade from Dark to Bright
2	Green1	0-255	Linear Fade from Dark to Bright
3	Blue1	0-255	Linear Fade from Dark to Bright
4	White1	0-255	Linear Fade from Dark to Bright
...	...	0-255	Linear Fade from Dark to Bright
4605	Red1152	0-255	Linear Fade from Dark to Bright
4606	Green1152	0-255	Linear Fade from Dark to Bright
4607	Blue1152	0-255	Linear Fade from Dark to Bright
4608	White1152	0-255	Linear Fade from Dark to Bright
4609	CW1	0-255	Linear Fade from Dark to Bright
...	...	0-255	Linear Fade from Dark to Bright

4640	CW32	0-255	Linear Fade from Dark to Bright
4641	WW1	0-255	Linear Fade from Dark to Bright
...	...	0-255	Linear Fade from Dark to Bright
4656	WW16	0-255	Linear Fade from Dark to Bright
4657	Motorized Frost	0-255	Linear Frost from Light to Heavy

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.	Inspect 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	Inspect and remove any

	required pan / tilt clearance.	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.



www.sklight.ru