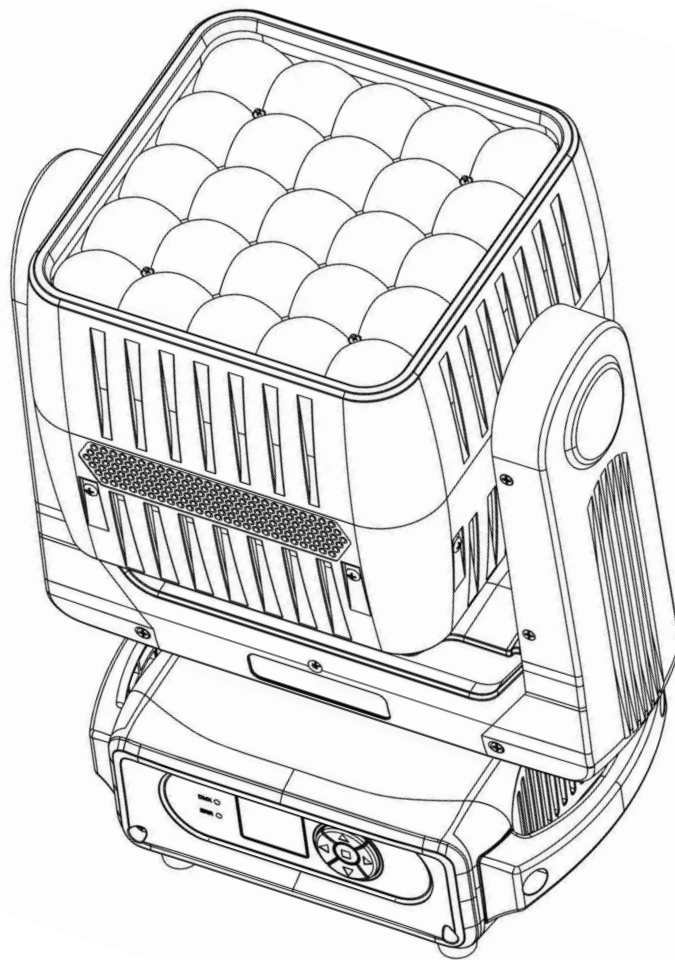


Solaris 1525Z



USER MANUAL

KEEP THIS USER MANUAL FOR FUTURE NEEDS

Thank you for your patronage!

We are confident that our excellent products and service can satisfy you.

For your own safety, please read this user manual carefully before installing the device.

In order to install, operate, and maintain the lighting safety correctly.

We suggest that the installation and operation should be done by the verified technician and follow the instruction strictly.



CAUTION!

Keep this device away from rain and moisture!



CAUTION!

Unplug mains lead before device's installation, cleaning and maintenance!

Every person involved with the installation, operation and maintenance of device has to:

-be qualified

-follow carefully the instructions of this manual

INTRODUCTION

Thank you for having chosen this professional moving head.

You will see you have acquired a powerful and versatile device.

Unpack the device. Inside the carton box you should find:

1. One power in cable
2. One 3 Pin DMX cable(5 Pin optional)
3. Folding Clamps
4. One safety rope
5. One English user manual

(Flight case is optional, please contact your dealer)

Please check carefully that there is no damage caused by transportation. Should there be any questions, please consult your dealer and don't install this device.

GENERAL GUIDELINES

This device is a lighting effect for a professional use on stages, TV, in discotheques, theaters, etc., The device was designed for indoor use only.

This fixture is only allowed to be operated with the max alternating current which stated in the technical specifications in 6th page of this manual.

Lighting effects are not designed for permanent operation. Consistent operation breaks may ensure that the device will serve you for a long time without defects.

Do not shake the device. Avoid brute force when installing or operating the device.

While choosing the installation-spot, please make sure that the device is not exposed to extreme heat, moisture or dust. Please don't project the beam onto combustible substances. The minimum distance between light-output from the projector and the illuminated surface must be more than 0,5 meter.

If you use the quick lock cam in hanging up the fixture, please make sure the quick lock fasteners turned in the quick lock holes correctly.

Operate the device only after having familiarized with its functions. Do not permit operation by persons not qualified for operating the device. Most damages are the result of unprofessional operation.

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

For safety reasons, please be aware that all modifications on the device are forbidden. If this device will be operated in any way different to the one described in this manual, the product may suffer damages and the guarantee becomes void. Furthermore, any other operation may lead to short-circuit, burns, electric shock, crash, etc.

SAFETY INSTRUCTIONS



CAUTION!

Be careful with your operations. With a dangerous voltage you can suffer a dangerous electric shock when touching wires!

This device has left the factory in perfect condition. In order to maintain this condition and to ensure a safe operation, it is absolutely necessary for the user to follow the safety instructions and warning notes written in this user manual.

1. In order to guarantee the product's life, please don't put it in the damp places or even the environment over 60degrees.

2. Always mount this unit in safe and stable matter.

The qualified professionals are allowed to carry out the lamp installation, operation and maintenance, but they must guarantee to operate in strict accordance with the instructions referred to.

▲ 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.

If the device has been exposed to temperature changes due to environmental changes, do not switch it on immediately. The arising condensation could damage the device. Leave the device switched off until it has reached room temperatures.

This device falls under protection-class I . Therefore it is essential that the device be earthed.

The electric connection must carry out by qualified person.

Make sure the power cord is never crimped or damaged by sharp edges. If this would be the case, replacement of the cable must be done by an authorized dealer.

Always disconnect from the mains, when the device is not in use or before cleaning it. Only handle the power cord by the plug. Never pull out the plug by tugging the power cord.

During initial start-up some smoke or smell may arise. This is a normal process and does not necessarily mean that the device is defective, it should decrease gradually.

Please don't project the beam onto combustible substances.

If the external flexible cable or cord of this luminaire is damaged, it shall be exclusively replaced by the manufacturer or his service agent or a similar qualified person in order to avoid a hazard.



CAUTION!

Never touch the device during operation!
The housing may heat up!



CAUTION!

Never look directly into the light source,
As sensitive persons may suffer an epileptic shock.

Please be aware that damages caused by manual modifications to be the device are not subject to warranty. Keep away from children and non-professionals.

CLEANING AND MAINTENANCE

1. To reduce the risk of electrical shock or fire, do not expose this unit to rain or moisture.
2. Do not spill water or other liquids into or on to your unit.
3. During long periods of non-use, disconnect the unit's main power.
4. It should be installed in a well-ventilated place, at a distance of 50 centimeters or more with the walls. At the same time, please check if the fan and ventilation holes are unobstructed.

The following points have to be considered during the inspection

- 1) All screws for installing the devices or parts of the device have to be tightly connected and must not be corroded.
- 2) There must not be any deformations on the housing. Fixations and installations spots(ceiling, suspension, trussing).
- 3) Mechanically moved parts must not show any traces of wearing and must not rotate with unbalances.
- 4) The electric power supply cables must not show any damage, material fatigue or sediments. Further instructions depending on the installation spot and usage have to be adhered by a skilled installer and any safety problems have to be removed.



CAUTION!

Disconnect from mains before starting maintenance operation!

In order to make the lights in good condition and extend the life time, we suggest a regular cleaning to the lights.

- 1) Clean the inside and outside lens each week to avoid the weakness of the lights due to accumulation of dust.
- 2) Clean the fan each week.
- 3) A detailed electric check by approved electrical engineer each three month, make sure that the circuit contacts are in good condition, prevent the poor contact of circuit from overheating.

We recommend a frequent cleaning of the device.

Please use a moist, lint-free cloth. Never use alcohol or solvents !

TECHNICAL PARAMETERS

POWER SUPPLY

Ac90 - 240V,50/60Hz

Power consumption:400W@220V

LIGHT SOURCE

25*15W RGBW4in1 LEDs

Individual LED control

Average life: 50,000 hrs

Color temperature:2500K-9000K

Color RGBW (red, green, blue and white) linear color mixing adjustment

EFFECT

Zoom angle: 4.5-60°

Variable built-in dynamic effects

32 bit linear dimmer

Strobe: 1-25 hz, random and pulse flash

CONTROL

Pan/Tilt: 540/270°

Resolution: 16Bit

Control mode: DMX512,RDM

DMX channels: 11/19/44/115CH

LCD Display with display flip

BODY

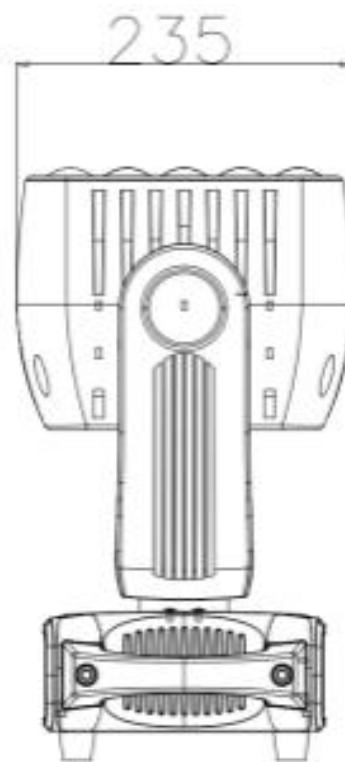
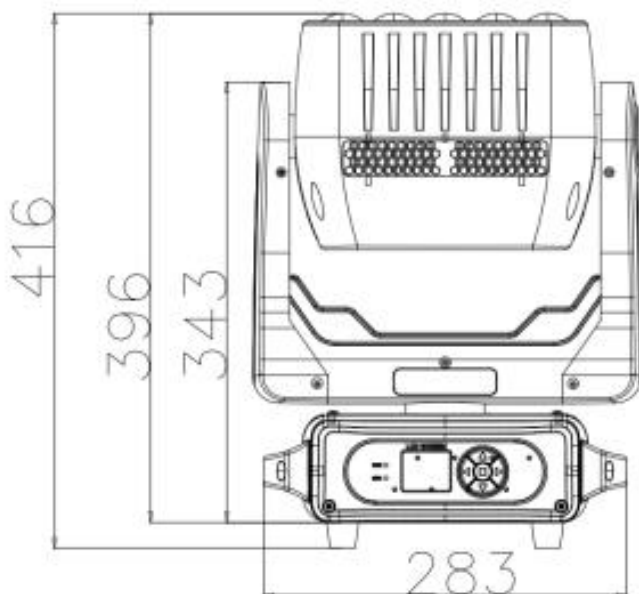
Black ABS plastic fire-proof material

Powercon in & out

XLRin & out 3-pin

Net weight:9Kg

Size:283*235*416mm(L*W*H)



Display panel and button definitions



Menu key: Enter/return to the main menu

Up key: menu function up selection/parameter increment

Down key: menu function selection down/parameter decrease

Confirm key: Select the menu function and make a confirmation and save when modifying the menu function parameters.

MENU

After powering on and resetting the entire machine, press the menu button to enter the main menu (exit after 30 seconds without any operation on the main menu interface). Please refer to the main menu function table for details(5 main menu options in total); Select the main menu with the up or down arrow keys, enter the confirm button to modify the functional parameters of each menu, and then press the confirm button to save the current functional parameters (with power-off memory after saving).

main menu	Submenu	Menu Function Description
1 、 System settings	1. DMA address	Modify the DMA address code up or down (optional range of address codes 001-512), confirm to save, default to 001.
	2. Encoder	Modify encoder on/off up or down, confirm key to save, default to on.
	3. X reversal	Modify X up or down to reverse on/off, confirm to save, default to off.
	4. Y reversal	Modify Y up or down to reverse on/off, confirm to save, default to off.

2 、 Operating mode	1. Operation mode	Select the operating mode up or down, such as MAX/voice control/automatic, and press the confirm button to save. The default mode is MAX.
	2. Channel selection	Select channels CH11/CH19/CH44/CH115 up or down, confirm to save, default to CH19.
3、 manual	1、 X	Modify the operating parameter values of X motor up or down (adjustable range 000-255), confirm and save, default to 000.
	2. X fine tuning	Modify the fine-tuning parameter values of X motor up or down (adjustable range 000-255), confirm and save, default to 000.
	3. Y	Modify the operating parameter values of Y motor up or down (adjustable range 000-255), confirm and save, default to 000.
	4. Y fine-tuning	Modify the Y motor fine-tuning parameter values up or down (adjustable range 000-255), confirm and save, default to 000.
	5. XY speed	Modify the XY motor operating speed parameter value up or down (adjustable range 000-255), confirm and save, default to 000.
	6. Focusing	Modify the operating parameter values of the focusing motor up or down (adjustable range 000-255), confirm and save, default to 000.
	7. Dimming	Modify the dimming parameter values up or down (adjustable range 000-255), confirm to save, default to 000.
	8. Strobe	Modify the strobe parameter values up or down (adjustable range 000-255), confirm to save, default to 000.
	9. Red	Modify the red current value up or down (adjustable range 000-255), confirm to save, default to 000.
	10. Green	Modify the green current value up or down (adjustable range 000-255), confirm to save, default to 000.
	11. Blue	Modify the blue current value up or down (adjustable range 000-255), confirm to save, default to 000.
	12. White	Modify the white current value up or down (adjustable range 000-255), confirm to save, default to 000.
	13. Reset	When the parameter value is between 150-255, the entire machine will be reset.

		The control panel parameter value must be pulled below 10 first, and then pushed back to 150-255 to be useful. The parameter value between 000-149 is useless and cannot be reset.	
4 、 Display Settings	1. Language selection	Select Chinese/EN (English) up or down, confirm to save, default to Chinese.	
	2. Inverted Display Settings	Select up or down to turn off/on the inverted display setting, confirm to save, default to off.	
	3. Backlight settings	Select up or down to turn off/on backlight settings, confirm to save, default to off.	
	4. Software version	066A	
5 、 Factory settings	Display, please enter password! Change up or down to 138, then press the confirm button to enter the factory settings。	1. X-axis calibration	Modify parameters up or down (range 000-255), confirm to save, default to 128.
		2. Y-axis calibration	Modify parameters up or down (range 000-255), confirm to save, default to 128.
		3. Focusing calibration	Modify parameters up or down (range 000-255), confirm to save, default to 128.
		4. Red	Modify the red light bead current (032-255) up or down, confirm and save, default to 220.
		5. Green	Modify the green light bead current (032-255) up or down, confirm and save, default to 220.
		6. Blue	Modify the blue light bead current (032-255) up or down, confirm and save, default to 220.
		7. White	Modify the white light bead current (032-255) up or down, confirm to save, default to 220.
		8. Current	Select 000/007 up or down, confirm to save, default to 004.
		9. Speed	Modify the speed parameters up or down (range 001-007), confirm

			and save, default to 000.
		10. Logo	Select 000/001 up or down, confirm to save, default to 000.
		11. Temperat ure	Modify the temperature parameters up or down (range 045-075), confirm and save, default to 065.
		12. Temperat ure - Fan	Select up or down to turn off/on fan control, confirm to save, default to off.

Master slave control

Two or more identical lighting fixtures are connected using a three core signal wire in the DMXs. All lighting fixtures are modified to any address code from 001 to 512, and any one of them is set as the host, while the other lighting fixtures are set as the slave. The display screens of all slave devices do not flash; When adjusting the gradient, pulse, jump, voice control, and self-propelled effects with the host, all slave machines synchronize the gradient, pulse, jump, voice control, and self-propelled effects.

Special attention: 1. Only one host can be set for a group of lighting fixtures. If there are multiple hosts, all lighting fixtures will flash randomly and not synchronize.

2. All lighting fixtures must be functional when the DMX512 console is turned off.

四、DMX512control

All lighting fixtures have their address codes set up. Connect all lighting fixtures in parallel to the DMX512 console using a three core signal wire. The address code stops flashing, indicating that the DMX512 console signal has been sent to the lighting fixtures. Use the DMX512 console to control the relevant functions according to the channel instructions.

CH15Channel Description:

tho rou ghf are	chann el value	basic function
1	000-25	X

	5	
2	000-25 5	Y
3	000-25 5	XY speed
4	000-25 5	focusing
5	000-25 5	Dimming
6	000-25 5	Strobe
7	000-25 5	R
8	000-25 5	G
9	000-25 5	B
10	000-25 5	W
11	000-25 5	Reset: When the parameter value is between 150-255, the entire machine is reset. The control panel parameter value must first be pulled below 10, and then pushed back to 150-255 to be effective. Parameter values between 000-149 are useless and cannot be reset.

CH19Channel Description:

tho rou ghf are	chann el value	basic function
1	000-25	X

	5	
2	000-25 5	X fine tuning
3	000-25 5	Y
4	000-25 5	Y fine-tuning
5	000-25 5	XY speed
6	000-25 5	focusing
7	000-25 5	Dimming
8	000-25 5	Strobe
9	000-25 5	R
10	000-25 5	G
11	000-25 5	B
12	000-25 5	W
13	000-25 5	Macro Color
14	000-25 5	mode
15	000-25 5	speed

16	000-25 5	direction
17	000-25 5	Background color
18	000-25 5	Background color tone light
19	000-25 5	Reset: When the parameter value is between 150-255, the entire machine is reset. The control panel parameter value must first be pulled below 10, and then pushed back to 150-255 to be effective. Parameter values between 000-149 are useless and cannot be reset.

CH44Channel Description:

tho rou ghf are	chann el value	basic function
1	000-25 5	X
2	000-25 5	X fine tuning
3	000-25 5	Y
4	000-25 5	Y fine-tuning
5	000-25 5	XY speed
6	000-25 5	focusing
7	000-25 5	Total dimming

8	000-25 5	Strobe
9	000-25 5	R
10	000-25 5	G
11	000-25 5	B
12	000-25 5	W
13	000-25 5	The first light is on
14	000-25 5	The second light is on
15	000-25 5	The third light is on
16	000-25 5	The fourth light is on
17	000-25 5	The fifth light is on
18	000-25 5	The 6th light is on
19	000-25 5	The 7th light is on
20	000-25 5	The 8th light is on
21	000-25 5	The 9th light is on
22	000-25	The 10th light is on

	5	
23	000-25 5	The 11th light is on
24	000-25 5	The 12th light is on
25	000-25 5	The 13th light is on
26	000-25 5	The 14th light is on
27	000-25 5	The 15th light is on
28	000-25 5	The 16th light is on
29	000-25 5	The 17th light is on
30	000-25 5	The 18th light is on
31	000-25 5	The 19th light is on
32	000-25 5	The 20th light is on
33	000-25 5	The 21st light is on
34	000-25 5	The 22nd light is on
35	000-25 5	The 23rd light is on
36	000-25 5	The 24th light is on

37	000-25 5	The 25th light is on
38	000-25 5	Macro Color
39	000-25 5	mode
40	000-25 5	speed
41	000-25 5	direction
42	000-25 5	Background color
43	000-25 5	Background color tone light
44	000-25 5	Reset: When the parameter value is between 150-255, the entire machine is reset. The control panel parameter value must first be pulled below 10, and then pushed back to 150-255 to be effective. Parameter values between 000-149 are useless and cannot be reset.

CH115Channel Description:

thoroughfare	channel value	basic function
1	000-25 5	X
2	000-25 5	X fine tuning
3	000-25 5	Y

4	000-25 5	Y fine-tuning
5	000-25 5	XY speed
6	000-25 5	focusing
7	000-25 5	Dimming
8	000-25 5	Strobe
9	000-25 5	R1
10	000-25 5	G1
11	000-25 5	B1
12	000-25 5	W1
... 	... 	... 
105	000-25 5	R25
106	000-25 5	G25
107	000-25 5	B25
108	000-25 5	W25
109	000-25	Macro Color

	5	
110	000-25 5	mode
111	000-25 5	speed
112	000-25 5	direction
113	000-25 5	Background color
114	000-25 5	Background color tone light
115	000-25 5	Reset: When the parameter value is between 150-255, the entire machine is reset. The control panel parameter value must first be pulled below 10, and then pushed back to 150-255 to be effective. Parameter values between 000-149 are useless and cannot be reset.

REMARK

The product has perfect performance and integrity packing. All users should be strictly comply with the warning and operating instructions as stated. Or we aren't in charge of any result by misusing.

Any damage resulting by misuse is not within the Company's warranty.

Any fault or problem caused by neglecting the manual is also not in the charge of dealers.

Errors and omissions for every information given in this manual excepted.

All information is subject to change without prior notice.

Thank you again for your patronage!
We will be offering sincere service as always,
Wish you have a good lighting journey!