VENIAMIN BSW LED300W

Heart of Illumination & Vision



USER MANUAL

Content

Introduction/spare part/cautions----------P2

Silkscreen symbol/safety instruction----------P3

Installation/Rigging----------P4

Product specification/Display----------P5-7

Menu instruction----------P8

Function instruction----------P9-10

DMX channel----------P11

Wheels&DMX connection----------P13

DMX address setting----------P13

Maintenance/warnings/Warranty card----------P15

Product introduction

Thank you for buying our profession moving head.

This user manual includes important information for installation and operation, so please read this user manual carefully before installation and operation, and keep this user manual well for further use.

In order to install , operate, and maintain the lighting safety and correctly. We suggest that the installation and operation should be done by the verified technician and follow the instruction strictly.

Spare part includes:

Name	QTY	Unit
Fixture	1	PC
User manual	1	PC
Power cable	1	PC
DMX signal cable	1	PC
bracket	2	PC

Please check carefully that there is no damage caused by transportation. Should there be any, consult your local dealer.

Cautions

Before delivery, this device has passed strict inspection, Please follow the user manual strictly for operation, if this fixture is damaged by improper operation and mistake, the fixture will be out of warranty, and manufacture or dealer won't be responsible for it. In case of any technology change in this manual,we won't advise in further .

CAUTION!



Keep this device away from rain and moisture!



Unplug mains lead before opening the housing!

Warning!



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

Silkscreen symbol

----------CE compliant

----------Only indoor use

----------RoHS Certificate

----------The minimum distance from lighted objects(meter)

------- not suitable for direct installation on combustible material surface

1. Safety Instructions

- Please open and check whether break or not for transport once receive this fixture, if yes, don ‘t use it and contact dealer or manufacture as soon as possible.
- The Max applicable temperature for the light is 40°C. Do not use the light when the ambient temperature exceeds 40 degrees, ta=40℃
- The fixture is applicable for many occasions, please keep it clean, and avoid long use in overheating or dusty environment. To prevent the fixture from the chemical liquid .
- User must be careful of fire, heat, electric and fall-off that make heavy or fatal injury. Please read this user manual carefully before power on and installation, follow safety and operation instruction in it. If still have any question, please contact dealer or manufacture.
- User must follow this user manual, do not open fixture by yourself, if any problem, please contact professional technician, maintenance should be done by technician.
- Do not turn on the fixture before installation, please turn off the light after working more than 8 hours, which will prolong the lifespan of the fixture.
- During installation, prevent strong shocks or do not by strong shocks or vibration.
- The minimum distance between light and the illuminated surface must be more than 1 meter.



- Never look directly into the light source to avoid hurt to eyes (especially epileptics)!
- When dust proof glass at light output breaks, cracks or other visible damage, user should replace with new glass instead.

Warnings : **please turn off the light before repair, maintenance or cleaning!**

2. Installation

CAUTION!

Please consider the GB7000.15/EN60598-2-17 and the other respective national norms during The installation. The installation must only be carried out by a qualified person.

► This fixture is not suitable for direct installation on combustible material surface, please keep the fixture surface at least 0.5m from any combustible material.

► 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.

►The applicable temperature for the fixture is between -25°C to 45°C. Do not use the lighting under or above this temperature range.

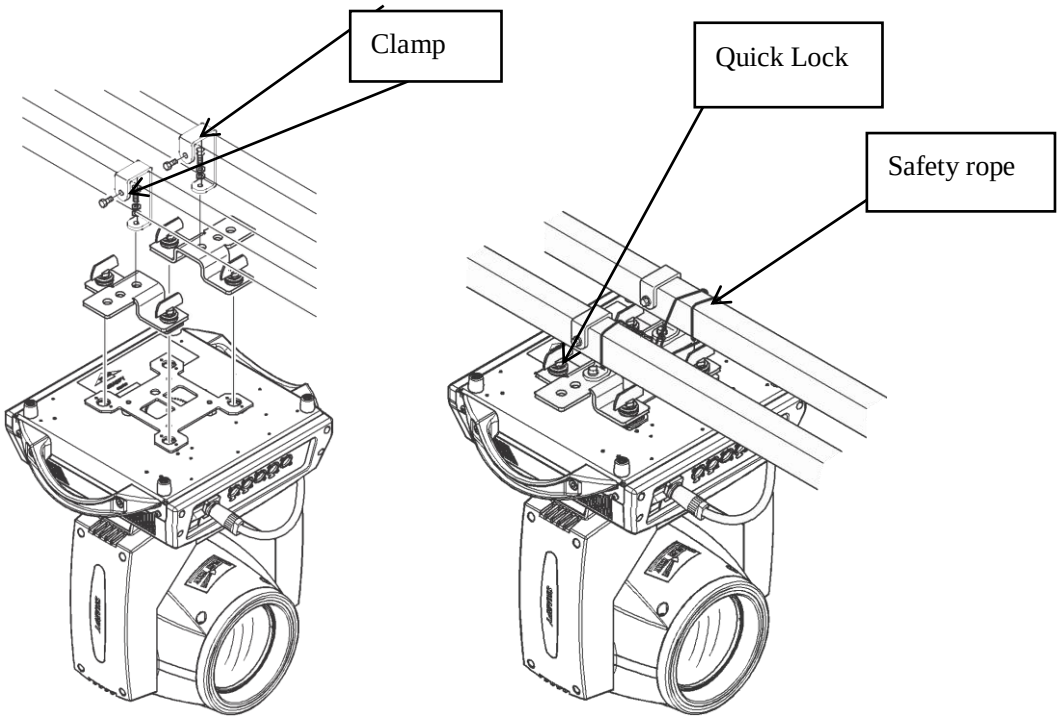
►The truss for hanging the fixture should be able to hold 10 times weight of this fixture and no deformation after 1 hour hang.

►Please don't stand under the fixture when install, uninstall, move or repair the fixture.

►Please ensure the light is connected correctly and invite professional technician to check and confirm the electrical data before installation.

►Please invite professional technician to check the fixture and installation each year.

Rigging：



Insert the quick-lock fasteners of the first holder into the respective holes on the bottom of the

device.Tighten the quick-lock fasteners fully clockwise.
Fix the clamp on truss or other fixture bracket.
Pull the safety rope through the holes on the bottom of the base and fasten it on the truss or other fixing point.
Note:This step is quite important to ensure that fixture will not drop down for the clamp damage.

3. Product specification

Rated voltage:AC100V~240V50/60Hz
Light specification:300W white LED module light source
Rated life:20000hours color temperature:9000K
Color: color dial with macro function:14colors+white light full color/half color/linear color variable speed two-way rainbow effect built-in high-efficiency Hall device
Fixed pattern: 2-stage beam adjustment 1 fixed pattern plate 6 patterns+ 1 flow effect + white light two-way variable speed rotation built-in high-efficiency all device
Rotating pattern:6 exquisite custom rotatable glass patterns+ 1 water pattern with built-in high-efficiency Hall device
Prism: 1x8prismcan be rotated in both directions with index function variable speed jitter effect
Soft light:1soft mirror 0~100% linear adjustment
Focus: DMX linear focus with autofocus function
Enlargement :high-precision glass optical lens linear magnification 0-45 degrees
Electronicstrobe0.3~25times/second synchronous asynchronous random strobe can be selected
Dimming;electronicdimming0~100%linearadjustmentwith gamma curve dimmingfrequency1.2K~25Kadjustablewith macro dimming light stability smooth no flickering using table constant current drive and power supply suitable for video shooting
Rotation angle: XY axis adopts high-speedsilent60three phase motor drive with high-precision magnetic coding positioning device so that the running positioning is more accurate, when the mis operation can be automatically homed, horizontal and vertical speed adjustable ; XY axis rotation function and negation function
540°horizontal(16 bit precision scan)270°vertical(16 bit precision scan)
Controlmode:16(thin)/19(standard)2channelcontrol modes standard DMX512 protocol RDM protocol
Control interface:DMX512 interface (3cores/optional5 cores) power cord hand-in-hand socket
Sleep function : using advanced technology to realize remote sleep function when the Light disconnects the signa automatically enter the sleep state making the Light more stable and safer
Displayfunction:1.7inchLCD screen Chinese and English bilingual menu sensor fault display temperature display
Heat dissipation system :high thermal conductivity copper tube radiator , fan intel

4. Display

Fixture installed TFT 1.77' LCD display. Product key features as below:

A. Using the quickest CPU of Chips, without flash screen, stuck issues.

B. Programming abandoned the mainstream programming language, rejected the long code of the mainstream programming language, which caused the card to be slow, and was written in the underlying core programming language with the lightest code in the world. The main emphasis is on the exquisite and meticulous code, small size and large functions, so that the interface can be optimized and the efficiency can be exerted. It is very vivid, small size and can run smoothly.

C. Creative user program programming function and interface style, the interface is intuitive, the operation is more flexible and multi-purpose, so that a small screen instantly becomes a big console, so that it can be used in outdoor landmarks and other occasions, eliminating the need for expensive consoles or console programming Online synchronization operation.

D. With RDM function, helps user no need climb the higher area to setting the fixture's address, just using a simple console can be easily setting each fixture's different address.

Main interface as below:

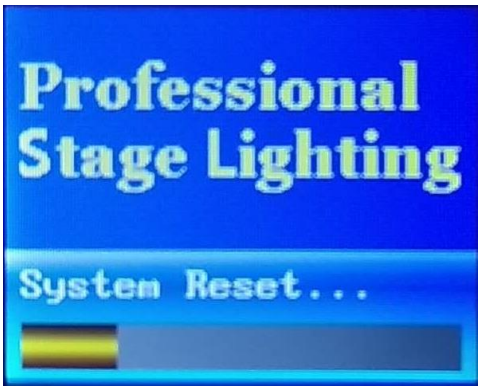


Instruction:

DMX	DMX indicator light
AUDIO	Sound indicator light
Up	UP
Down	Down
Left	Left/Return
Right	Right
ENTER	Confirm button
Left time	System using total time（can be closed display under 'Standard setting')
Right time	From power in to power off total time（can be closed display under 'Standard setting')
Signal	DMX Signal intension, Red: No signal. White: signal intension
Square icon	Green: without error, working well
	Red: Error（Can click the icon or fllowing<information menu/error information/check>to found out the issues)

System driving as below：

The system enter into reset after power in, the interface shows as below photo. And auto check the functions, if some functions not working, will be display on the right side of interface, the square icon changed to Red color after finished reset. Can following <information menu/error information/check>to found out the issues, will be display Green color if working no problem.



After finished reset, the interface display as below, select different UI color style matches different display, can be setting color under <standard setting>.













Press any button, can enter into system menu, like below photos.





Menu instruction

Standard	Default set	Enter?	Factory default
	Address	001-512	DMX address setting
	DMX mode	Mode1 Mode2 Mode3 Mode4	DMX mode option
	Effect mode	No/Yes	Effect wheel auto found out the shortest distance to rotating
	Started lamp	Off/on	Driving lamp select<off> or <on>
	Switch lamp	Off/on	Manual light on lamp
	No signal	Clear Hold	Store DMX data or clear data under without DMX signal
	UI Color	Green Blue Golden Gray	Display color option
	Show time	No/Yes	Driving time
	Brightness	000-255	Adjust display brightness
	Effect sync	OFF	Normal mode
		Speed 1	Noise reduction by 30%
		Speed 2	Noise reduction by 60%
		Speed 3	Noise reduction by 90%
	Screensaver	Off/on	Closed display without touch and press buttons

	XY encoder	No/Yes	XY Auto error correction open or closed
	X inversion	No/Yes	Pan clowise or anti-clowise driving
	Y inversion	No/Yes	Tilt clowise or anti-clowise driving
	Focus inversion	No/Yes	Focus clowise or anti-clowise driving
	Zoom inversion	No/Yes	Zoom clowise or anti-clowise driving
Advanced	Here setting for fixture's main parameter,need authority		
Info	Error List	No error/View	Without error or check issues when error
	System ver	Vxxxxxxx	System version
	Serial NO.	xxxxxxxx	Fixture's serial number
	SYS timer	00000.0H	System runing time (hours)
	Run timer	000:00	From power in to power off runing time (hours)
	Lamp timer	00000.0H	Lamp light on time (hours)
	Equip TEMP	000	Main parts temperature(need fixture's supporting)
	Head TEMP	000	Head temperature(need fixture's supporting)
	FAN 1 Speed	0000 RPM	Fan 1 speed (need fixture's supporting)
	FAN 2 Speed	0000 RPM	Fan 2 speed (need fixture's supporting)
perform	Run mode	Auto/Sound	Auto or sound
	Run speed	255	speed
	Run cross	255	Setting run cross of auto or sound(need fixture's supporting)
	Built-in 1	Off/on	Built-in 1 testing
	Built-in 2	Off/on	Built-in 2 testing
	User PRO 1	Off/on	User self-made programme 1
	User PRO 2	Off/on	User self-made programme 2
	User PRO 3	Off/on	User self-made programme 3
	User PRO 4	Off/on	User self-made programme 4
	Circle shape	Off/on	Hold
	Shpae shape	Off/on	Hold
	Shape range	000	Hold
	Sound DB	000	Sound sensitivity adjust
Program	More instruction as below page		
Reset	Reset		

5. Function instruction

Manual cotrol or programming function instruction

This function can edit the morest is 4 user programmes. This 4 programmes can tandem connection running, under <Testing running>, they can switch on at the same time, first running programme 1,

then 2,3 and 4, final cycle back programme 1, cyrcle running all the time. And single running available.

Progamme function buttons can be come out below operation:





Select programme, read programme, select procedure, delete procedure, manual or console input, copy procedure, paste on the selected procedure, clear procedure, save it to selected programme space.

Manual cotrol

Manual/console operation buttons press Left/Right/Up/Down/Enter, let's mode into Manual.





Press Left/Right/Up/Down/Enter, make the matches channels to Red color, press Up/Down can manual control.



Manual cotrol programming

Select need store programme PRO1-4, setting channel values by manual control, press<Procedure>,see below photo show. The next step cycle again it.



Delect procedure

Can delect the back procedure if programming procedure too many. Select PROCEDURE, press DOWN, back to no need PROCEDURE, number dispaly >0XX, press ENTER 3secs, the back procedure that can be delected, display=0XX.

Copy procedure

Press Copy, copy all DMX channels values, store on Paste board.

Paste procedure

Finished Copy, can select any procedure, paste DMX channels values to the selected procedure channel.

Clear procedure

Press CLEAR, can clear at present DMX channel values.

Console cotrol programming

This fixture supporting console programming, see below photo select mode as CONS.





Under this mode, all values controlled by DMX console, manual invalid, paste and clear invalid too.All values display DMX data. At present, just console input or running built-in programme. This fixture here need press DOWN number, press UP that enter programming.

Save programme

Finished programming by manual or console, can save programme. Confirm save under PRO1--PRO4, and procedure length =0XX, not >0XX. If more procedure, please delete first, see how to delete procedure, last save.

Read and re-edit programme

Select PRO1-PRO4, press ENTER, press <Down> till display <Read out>, press <Enter> can read out programme, see below photos. The data is the max of the programme, if programme is empty, display <empty> or <No>.



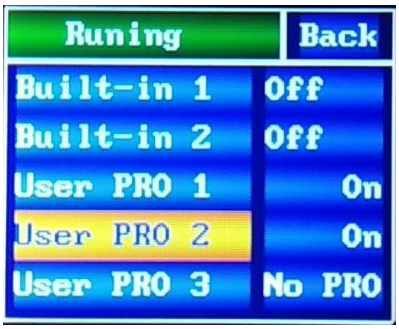


Re-edit read out programme available. Finished re-edit press <Save> can cover at present programme, or select others space of PRO1-PRO4 to save.

Running programme

If need running the save programme, please back to <test runing/Perform> menu, select user programme, open <On>.



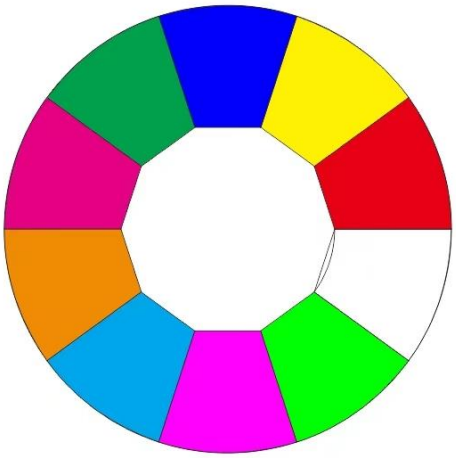


5. DMX Channel

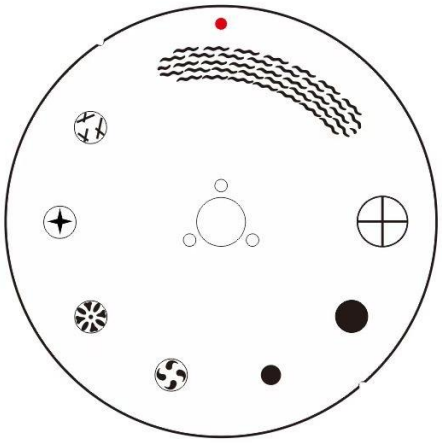
16 Channel Mode			
Channel		Value	Function
CH1	Pan	0-255	0-540°
CH2	Pan fine	0-255	0-2.1°
CH3	Tilt	0-255	0-270°
CH4	Tilt fine	0-255	Tilt fine
CH5	Speed	0-255	Fast-slow
CH6	Strobe	0-3	No function
		4-103	Strobe from slow to fast
		104-107	Open
		108-207	Pluse stroe from slow to fast
		208-212	open
		213-251	Random strobe from slow to fast
		252-255	Open
CH7	Dimmer	0-255	Closed-on
CH8	Color	0-5	White
		6-11	White+color 1
		12-17	Color 1
		18-23	Color 1+Color 2
		24-29	Color 2
		30-35	Color 2+Color 3
		36-41	Color 3
		42-47	Color 3+Color 4
		48-53	Color 4
		54-59	Color 4+Color 5
		60-65	Color 5
		66-71	Color 5+Color 6
		72-77	Color 6
		78-83	Color 6+Color 7
		84-89	Color 7
		90-95	Color 7+Color 8
		96-101	Color 8
		102-107	Color 8+Color 9
		108-123	Color 9
		114-127	Color 9+Color 10
		128-191	Rainbow clockwise rotate from slow to fast
		192-255	Rainbow anti-clockwise rotate from slow to fast
CH9	Gobo1	0-8	White
		9-17	Fixed gobo 1
		18-26	Fixed gobo 2
		27-35	Fixed gobo 3

		36-44	Fixed gobo 4
		45-53	Fixed gobo 5
		54-62	Fixed gobo 6
		63-127	Fixed gobo 7
		128-191	Anti-clockwise eotic from fast to slow
		192-255	Clockwise eotic from slow to fast
CH10	Gobo2	0-15	White
		16-31	Fixed gobo 1
		32-47	Fixed gobo 2
		48-63	Fixed gobo 3
		64-79	Fixed gobo 4
		80-95	Fixed gobo 5
		96-111	Fixed gobo 6
		97-127	Fixed gobo 7
		128-191	Anti-clockwise eotic from fast to slow
		192-255	Clockwise eotic from slow to fast
CH11	Gobo2 Rot	0-255	Gobo shake from slow to fast
CH12	Focus	0-255	Near to far
CH13	Zoom	0-255	Near to far
CH14	Prism	0-31	No prism
		32-255	8 facet prism
CH15	Prism rotate	0-127	angle
		128-191	Clockwise rotate from fast to slow
		171-213	Anti-clockwise rotate from slow to fast
		214-255	Clockwise and anti-clockwise rotate from slow to fast
CH16	Frost	0-31	No function
		32-255	Frost
CH17	Automatic rotation	0-63	No function
		64-127	Automatic Pan
		128-191	Automatic Tilt
		192-255	Automatic Pan+Tilt
CH18	Automatic amplification	0-5	No function
		6-10	Fast-slow
CH19	Reset/Fan	0-251	The speed of the fan decreases from fast to slow.
		252-255	reset after 6s

Color



Gobo wheel





5. DMX-512 connection

Connect the provided XLR cable to the male 3-pin XLR output of your controller and the other side to the female 3-pin XLR input of the light.then connect the DMX signal to the first fixture to the 2nd fixture, after all fixtures are connected,

The signal cable should be two - core with screened cable with XLR input and output connectors. Please refer to the diagram below.

5-Pin DMX output



5in DMX input



1. Ground
2. Signal -
3. Signal +
4. None
5. None

3-Pin DMX output



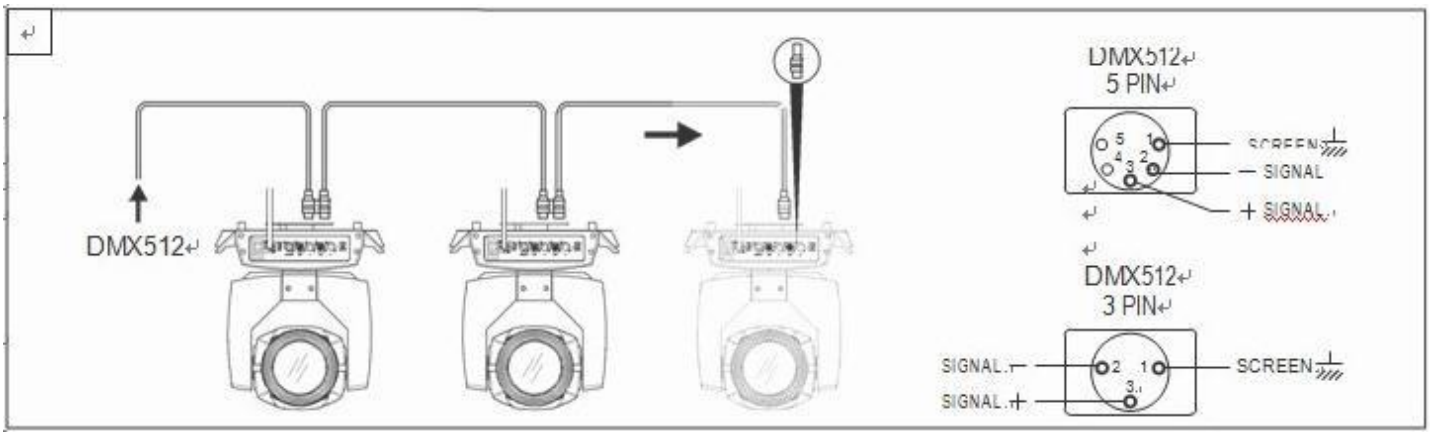
3in DMX input



1. Ground
2. Signal -
3.Signal +

7. DMX address setting

Each fixture must set a specific starting address. When receiving signal, fixture will receive channel control signals of this address from the DMX controller.
For easy to use, the user can set the same address for several fixtures , also can set up a unique address for every device.
If you set the same address for all fixtures, all the fixtures will receive from the same DMX channels signal. All connecting fixtures are jointly controlled, controller can't separately control a device.
If you set a different address for each fixture, each fixture will receive unique signal and can be controlled by DMX controller separately.
This fixture has 16 channels.you should set the starting address of the first unit to 1, the second unit to 17(1*16 + 1), the third unit to 33(2*16+ 1), and so on.



8. Cleaning and maintenance

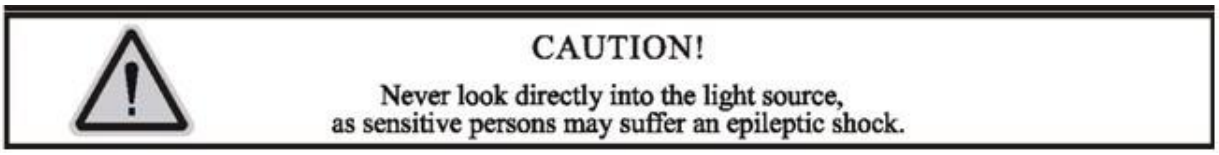
Cleaning should be performed every 15-day period, by using a sponge which is dipped with alcohol, rather than wet cloth or other chemical liquid, to clean the mirror.

CAUTION

Cut off power before cleaning and maintenance!

Attention

Do not see directly light source when open the light, and make sure power off before do any installation or maintenance.



CAUTION

Wires connection must be done professional person!

Warranty Card

This product is made of high-brightness transistor. We will provide 1 year warranty under the condition that user has operated the light normally and lifetime service. We won't provide warranty if the damage is caused by artificial or force majeure event. Cost of fittings should be charged by user if product need maintenance after 1 year .Please cut this warranty card and shipped it along with the product to our factory when applying for warranty.		
Product：	Purchasing date：	Code of invoice：
Warranty date: From	To	
User's name：	Add：	
Company：	Tel：	