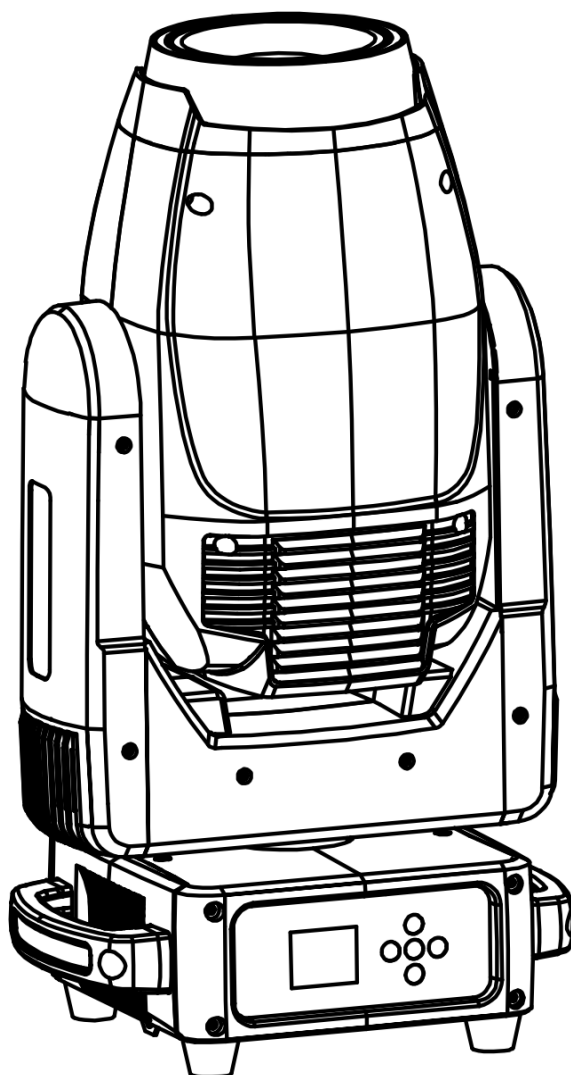


LED BSW 250



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. Two mounted brackets
4. One safety rope
5. One English user manual

(Flight case, Clamps/Folding clamp are 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!**

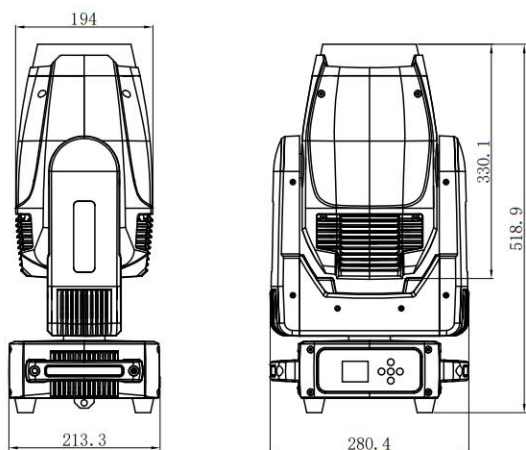
Disconnect from mains before starting maintenance operation!

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

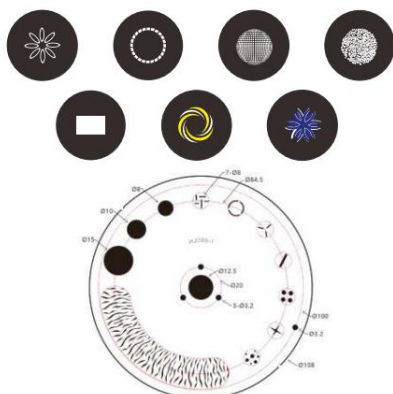
- 1) Clean the inside and outside lens each week to avoid the weakness of the lights due to accumulation of dust.
- 2) Clean the fan each week.
- 3) A detailed electric check by approved electrical engineer each three month, make sure that the circuit contacts are in good condition, prevent the poor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

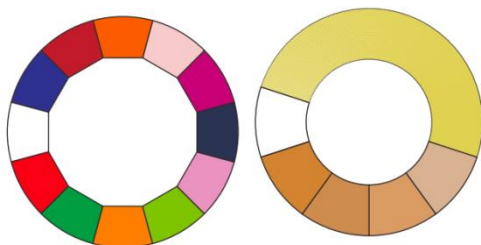
SIZE DRAWING



GOBO



Color



DISPLAY PANEL

Menu key: Enter / Return to the main menu.

Up key: Selection/ parameter increments.

Down key: Selection/ parameter decrement.

OK key: Select menu function, make sure and save it when parameters are modified.

MENU FUNCTIONS

After the power-on machine is reset, press menu key to enter main menu(main menu interface exits after no operation for 30 seconds), as shown in the main menu function table(total 5pcs main menu options) ;select main menu by up or down key, enter OK key to modify functional parameters of each menu, then press the OK key to save current functional parameters(after saving, it has power-down memory).

DMX CHANEL

MENU	SUBMENU	DISCRIBTION	MENU	NOTED
1	1	0--255	Pan positioning	
2	/	0--255	Fine Pan positioning	
3	2	0--255	Tilt positioning	
4	/	0--255	Fine Tilt positioning	
5	3	0--255	Speed pan/tilt Fast to Slow	
6	4		DeviceSet(Hold 3s)	
		0-34	No function	
		35-39	Pan invert on	
		40-44	Pan invert off	
		45-49	Tilt invert on	
		50-54	Tilt invert off	
		55-59	Fan high speed	
		60-64	Fan auto speed	
		65-69	Fan slow speed	
		70-74	Dimmer curve linear	
		75-79	Dimmer curve square	
		80-84	Dimmer curve invert square	
		85-89	Dimmer curve "S"	
		90-94	LED frequency 1kHz	
		95-99	LED frequency 3.6kHz	
		100-104	LED frequency 7.2kHz	
		105-109	LED frequency 25kHz	
		110-114	Move Blackout On	
		115-119	Move Blackout Off	
		120-139	No function	
		140-149	Reset Pan&Tilt	
		180-189	Reset Head	
		200-209	Reset All	
		220-229	Dimmer fast	
		230-239	Dimmer smooth	
		240-255	No function	
7	5		CTO	Same Wheel
		0-255	CTO 0 - 100%	
8	6		ColorWheel 1	
		0-127	Color Wheel1 Index	
		128-137	Color1	
		138-147	Color2	
		148-157	Color3	
		158-167	Color4	

		186-255	No function	
9	7		ColorWheel2	
		0-127	Color Wheel1 Index 0 - 100%	
		128-129	White	
		130-134	Color1	
		135-139	Color2	
		140-144	Color3	
		145-149	Color4	
		150-154	Color5	
		155-159	Color6	
		160-164	Color7	
		165-169	Color8	
		170-174	Color9	
		175-179	Color10	
		180-184	Color11	
		185-189	white	
		190-214	Forwards rainbow effect from fast to slow	
		215-219	No rotation	
		220-249	Backwards rainbow effect from slow to fast	
		250-255	Random colour selection from fast to slow	
10	8		FixgoboWheel	Same Wheel with Animation
		0-6	Open	
		7-16	FixGobo 1	
		17-26	FixGobo 2	
		27-36	FixGobo 3	
		37-46	FixGobo 4	
		47-56	FixGobo 5	
		57-66	FixGobo 6	
		67-76	FixGobo 7	
		77-86	FixGobo 8	
		87-96	FixGobo 9	
		97-106	FixGobo1 shake,slow to fast	
		107-116	FixGobo2 shake,slow to fast	
		117-126	FixGobo3 shake,slow to fast	
		127-136	FixGobo4 shake,slow to fast	
		137-146	FixGobo5 shake,slow to fast	
		147-156	FixGobo6 shake,slow to fast	
		157-166	FixGobo7 shake,slow to fast	
		167-176	FixGobo8 shake,slow to fast	
		177-186	FixGobo9 shake,slow to fast	
		187-230	FixGoboWheel shake slow to fast	
		231-255	Random Fixgobo selection from fast to slow	
11	9		RotgoboWheel	
		0-9	Open	
		10-22	RotGobo1	
		23-35	RotGobo 2	
		36-48	RotGobo 3	
		49-61	RotGobo 4	
		62-74	RotGobo 5	
		75-87	RotGobo 6	
		88-99	RotGobo 7	
		100-114	RotGobo1 shake,slow to fast	
		115-129	RotGobo2 shake,slow to fast	
		130-144	RotGobo3 shake,slow to fast	

		145-159	RotGobo4 shake,slow to fast	
		160-174	RotGobo5 shake,slow to fast	
		175-189	RotGobo6 shake,slow to fast	
		190-199	RotGobo7 shake,slow to fast	
		200-220	RotGoboWheel CW fast to slow	
		221-240	RotGoboWheel CCW slow to fast	
		241-255	Random Rotgobo selection from fast to slow	
12	10		GoboRot	
		0-127	GoboRot indexing 0°- 360°	
		128-187	RotGobo CW fast to slow	
		188-195	Stop	
		196-255	RotGobo CCW slow to fast	
13	11		Animation	Same Wheel with FixGobo
		0-127	Animation index 0°- 180°	
		128--255	Animation Shake	
14	12		Prism1	
		00-3	Prism out	
		4-255	Prism In 100%	
15	13		Prism1Rot	
		0-127	Prism indexing 0°- 360°	
		128-191	Forwards prism rotation from slow to fast	
		191-255	Backwards prism rotation from fast to slow	
16	14		Prism2	
		00-3	Prism out	
		4-255	Prism In 100%	
17	15		Prism2Rot	
		0-127	Prism indexing 0°- 360°	
		128-191	Forwards prism rotation from slow to fast	
		191-255	Backwards prism rotation from fast to slow	
18	16		Frost	
		00-3	Frost Out	
		4-255	Frost In 0 - 100%	
19	17	0-255	Focus8bit	
20	/	0-255	FocusFine16bit	
21	18	0-255	Zoom8bit	
22	/	0-255	ZoomFine16bit	
23	19	0-255	Dimmer	
24	/	0-255	Dimmer Fine	
25	20		Strobe	
		00-9	Strobe closed	
		10-19	Strobe open	
		20-68	Normal strobe effect slow to fast	

		69-79	Strobe open	
		80-128	Pulse strobe	
		129-139	Strobe open	
		140-188	Random strobe	
		189-255	Strobe open	
LED Ring				
26	21	0-255	Dimmer(LED Ring)	
27	22		Strobe (LED Ring)	
		00-9	Strobe closed	
		10-19	Strobe open	
		20-68	Normal strobe effect slow to fast	
		69-79	Strobe open	
		80-128	Pulse strobe	
		129-139	Strobe open	
		140-188	Random strobe	
		189-255	Strobe open	
28	23		Foreground Color wheel	
		00-3	white	
		4-199	Color Macro	
		200-255	Color Jump slow to fast	
29	24		Program	
		00-9	No function	
		10-24	Program1	
		25-39	Program2	
		40-54	Program3	
		55-69	Program4	
		70-84	Program5	
		85-99	Program6	
		100-114	Program7	
		115-129	Program8	
		130-144	Program9	
		145-159	Program10	
		160-174	Program11	
		175-189	Program12	
		190-204	Program13	
		205-219	Program14	
		220-234	Program15	
		235-249	Program16	
250-255	Program17			
30	25		Program Speed	
		0-150	Step1 - Step30	
		151-203	Program Step Increase slow to fast	
		204-255	Program Step Decrease slow to fast	
31	26	0-255	Back Dimmer	
32	27		Backround Color wheel	

		00-3	white	
		4-199	Color Macro	
		200-255	Color Jump slow to fast	

TECHINICAL PARAMETERS

POWER & LIGHT SOURCE

Light source: 200W LED White Module

Static Consumed Power: 260W @230VAC

Moving Consumed Power: 300W @230VAC

Light source life: 200,00Hrs

Color temperature: 6800K

110,00Lux @10m

EFFECTS

Dimming system: 0-100% linear adjustment

Focusing system: linear adjustment

Frost: 5 ° filter

BEAM Angle: 2.5 ° ~25 °

Adjustable speed strobe effect

Colour Wheel: 11 dichroic filters + white

Linear adjust CTO Wheel

Rotating gobo wheel: 7 rotating gobos + open, indexable and replaceable gobos

Static gobo wheel: 7 gobos + animation + 2 beam reducer + white

8 facet + 24 facet prisms

With LED ring

BODY & CONTROL

Pan 540 degree, Tilt 270 degree, 16bit

Channel mode: 32/27CH

Powercon Blue&White 3Pin in+out

Net weight: 13.5KG Size: 280*213*519mm(L*W*H)

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!

Innovation, Quality, Performance