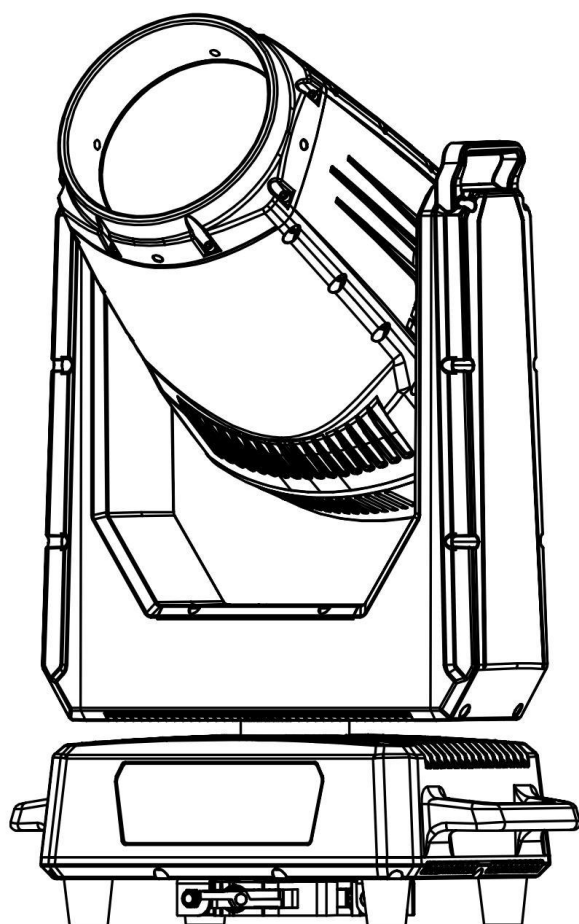


ALED BSW 600 CMY IP



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

LIGHT SOURCE & OPTIC

Light source: 600WLED module

Lifespan: 20000H

Color temperature: 8000K

Lens diameter: 138mm

Beam angle: 4-36 degrees

EFFECTS

Fixed color wheel with 8 dichroic colors

CMY color mixing system

3600-6600K CTO linear adjustable

1 Static Gobo Wheel with 11 gobos

1 8-prism, 1 6-row mirror, can be superimposed and rotated independently

Strobe: Multiple speed strobe

Dimming: 0-100% smooth dimming

Focus: Electric focus system

CONTROL & PROGRAM

4 touch buttons

Control: DMX512/RDM optional Artnet/self-propelled/voice control,

DMX Channel: 23CH

POWER SUPPLY

Input voltage: AC90-240V 50/60Hz

Consumed Power: 500W

Power connectors: waterproof power connector input/output

DMX connectors: three-core or five-core waterproof XLR socket

MOVEMENT

Pan: 540 degrees/ Tilt: 260 degrees

P/T position: Auto correction

P/T: 16bit scanning

BODY

Working in any position

Magnesium Aluminum IP66 body

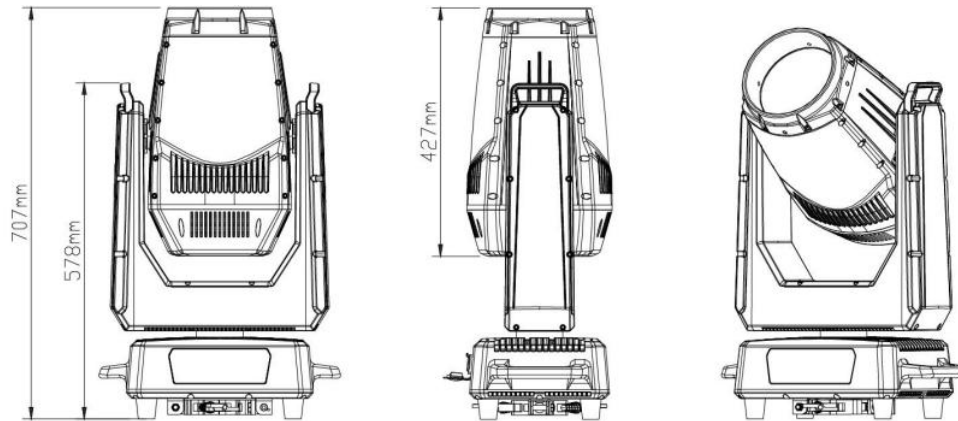
Two side handles for transportation

WEIGHT & SIZE

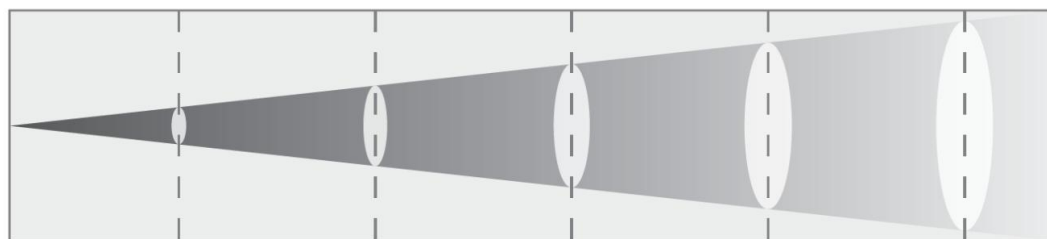
NW: 26kg(Not including clamps)

Carton box 1in1:690*520*500mm/25KG

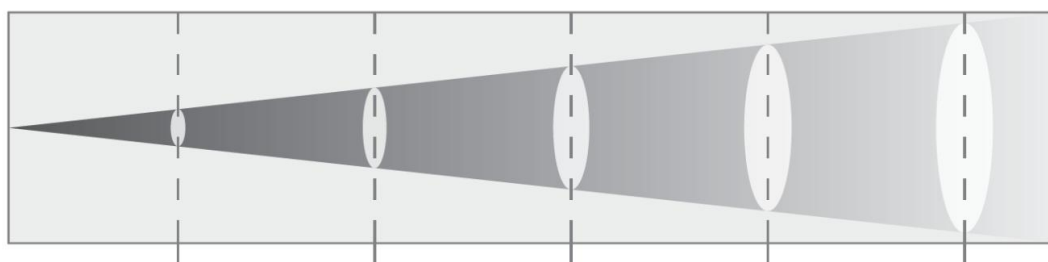
Flight case 2in1:685*495*950mm/86KG、



PHOTOMEREICS DIAGRAM

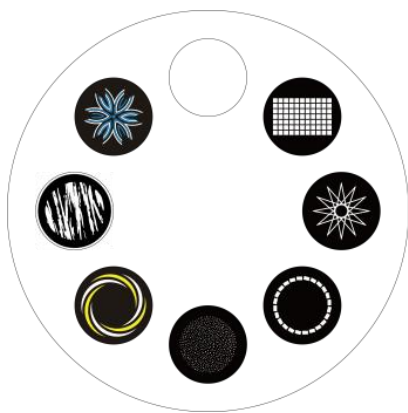
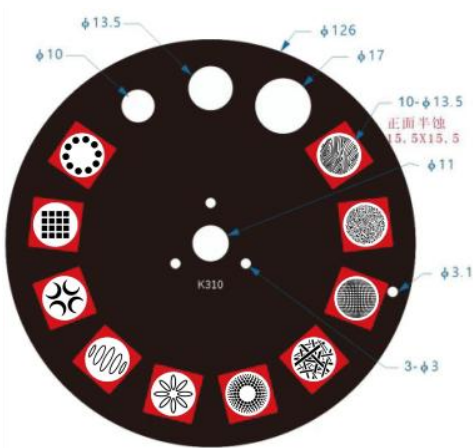


4° Distance(m):	10	20	25	30	50
Illuminance(lux):	28000	7500	4800	3400	1200
Spot diameter(m):	0.5	1.07	1.37	1.67	2.57



36° Distance(m):	10	20	25	30	50
Illuminance(lux):	640	167	106	75	27
Spot diameter(m):	4.42	9.25	11.9	14.6	23.15

COLOR SYSTEM & GOBOS



MENU

LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	LEVEL 6
operating mode	DMX Ctrl	1-512			
	Auto Run				
	Sound Ctrl	DMX			
		Auto			
	Scene Mode 01	1~ 10			
		Auto			
	M/S Choose	Master			
		Slave			
		Auto			
DISPLAY SETTING	Language	English			
		Chinese			
	Screen saver	OFF			
		Mode1-4			
	Screen Rot	OFF			

		ON			
	DMX Indicate	Mode1-3			
	Screen Light	1-10			
	Lock Screen	OFF			
		ON			
SCENE MODE	Scene Select	1-10			
	Scene Time	0			
		1-255			
	Control Mode	OFF			
		ON			
	1. PAN	0-255			
		0-255			
		0-255			
ADVANCED SETTING	Pan Invert	OFF			
		ON			
	Tilt Invert	OFF			
		ON			
	P/T Rectify	OFF			
		ON			
	Pan Offset	4-150			
	Tilt Offset	4-48			
	Data hold	OFF			
		ON			
	Scene Time (multiple)	1-255			
	Reset				
	Factory Setting				
STATUS INFORMATION	Steppe r info	Hall			
		Status			
		PAN			
		TILT			
		PAN OP			

	ErrorLogging	Error Logging			
		12: :03			
		Hall error			
		Hall short			
		Opti error			
		Lose stop			
		Hit			
		Lamp error			
		NTC error			
		Fan error			
	Fixture status	Communication prec			
		Error Cnt			
		Light Temperature			
		Panel Temperature			
		Sensor1 Temperature			
	Version	Device			
		Model			
		Panel			
		Main Board			
	Light time				
	Total time				

CHANNEL LIST

23CH

23CH	FUNCTION	VALUE	DESCRIPTION
1	Pan	0-255	0-540(degree)
2	Pan Fine	0-255	0-2(degree)
3	Tilt	0-255	0-270(degree)
4	Tilt Fine	0-255	0-1(degree)

5	PT Spd	0-255	Fast to slow
6	Dimmer	0-255	0-100% dimmer
7	Strobe	0-3	Dark
		4-103	Pluse strobe slow to fast
		104-107	Open
		108-155	FadeIn strobe slow to fast
		156-207	Rand strobe slow to fast
		208-212	Open
		213-251	Rand strobe slow to fast
8	Colour	0-9	White
		10-19	Colour1
		20-29	Colour2
		30-39	Colour3
		40-49	Colour4
		50-59	Colour5
		60-69	Colour6
		70-79	Colour7
		80-89	Colour8
		90-99	White+colour1
		100-109	Colour1+Colour2
		110-119	Colour2+Colour3
		120-129	Colour3+Colour4
		130-139	Colour4+Colour5
		140-149	Colour5+Colour6
		150-159	Colour6+Colour7
		160-169	Colour7+Colour8
		170-179	Colour8+Colour9
		180-215	Rotate forward (fast to slow)
		216-220	Stop

		221-255	Rotate reverse (slow to fast)
9	CTO	0-255	CTO
10	Cyan	0-255	Cyan
11	Magenta	0-255	Magenta
12	Yellow	0-255	Yellow
13	Gobo	0-5	White
		6-11	Gobo1
		12-17	Gobo2
		18-23	Gobo3
		24-29	Gobo4
		30-35	Gobo5
		36-41	Gobo6
		42-47	Gobo7
		48-53	Gobo8
		54-59	Gobo9
		60-65	Gobo10
		66-71	Gobo11
		72-77	Shake slow to fast Gobo1
		78-83	Shake slow to fast Gobo2
		84-89	Shake slow to fast Gobo3
		90-95	Shake slow to fast Gobo4
		96-101	Shake slow to fast Gobo5
		102-107	Shake slow to fast Gobo6
		108-113	Shake slow to fast Gobo7
		114-119	Shake slow to fast Gobo8
		120-125	Shake slow to fast Gobo9
		126-131	Shake slow to fast Gobo10
		132-137	Shake slow to fast Gobo11
		138-143	Gobo12

		144-198	Rotate reverse (fast to slow)
		199-200	Stop
		201-255	Rotate forward (slow to fast)
14	Zoom	0-255	Large to small
15	Focus	0-255	Far to near
16	Rot Gobo	0-9	White
		10-19	Gobo1
		20-29	Gobo2
		30-39	Gobo3
		40-49	Gobo4
		0-9	White
		10-19	Gobo1
		20-29	Gobo2
		30-39	Gobo3
		40-49	Gobo4
		50-59	Gobo5
		60-69	Gobo6
		70-79	Gobo7
		80-89	Gobo8
		90-94	Shake slow to fast Gobo1
		95-99	Shake slow to fast Gobo2
		100-104	Shake slow to fast Gobo3
		105-109	Shake slow to fast Gobo4
		110-114	Shake slow to fast Gobo5
		115-119	Shake slow to fast Gobo6
		120-124	Shake slow to fast Gobo7
		125-129	Shake slow to fast Gobo8
		130-191	Rotate forward (fast to slow)
		192-193	Stop

		194-255	Rotate reverse (slow to fast)
17	Gobo.Rot	0-127	0-360(degree)
		128-190	Rotate reverse (fast to slow)
		191-192	Stop
		193-255	Rotate forward (slow to fast)
18	Prism1	0-127	None
		128-255	Inert prism1
19	Prism1.R	0-127	0-360(degree)
		128-187	Rotate forward (fast to slow)
		188-195	Stop
		196-255	Rotate reverse (slow to fast)
20	Prism2	0-127	None
		128-255	Insert prism2
21	Prism2.R	0-127	0-360(degree)
		128-187	Rotate forward (fast to slow)
		188-195	Stop
		196-255	Rotate reverse (slow to fast)
22	Frost	0-127	None
		128-255	Insert frost
23	Reset	0-209	None
		210-215	Reset XY motor over 4 second
		216-219	None
		220-235	Reset Effect motor over 4 second
		236-239	None
		240-255	Reset fxiture over 4 second

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!