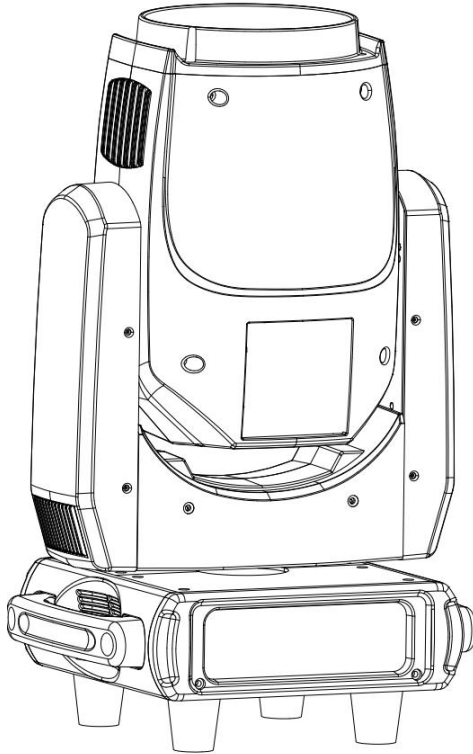


BEAM KING 380



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 (optional)
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: 380W (Optional 420W)

Lifespan: 3500H

Color temperature: 7800K

Lens diameter: 152mm

Beam angle: 2 degrees

EFFECTS

Color wheel:14 colors + open

Gobo Wheel: 13 fixed gobos + open

Total 4 kinds of prism with rotation in both directions at variable speed

Strobe: Multiple speed strobe

Dimming: 0-100% smooth dimming

Focus: 0-100% smooth focus

CONTROL & PROGRAM

4 touch buttons

Control: DMX512/RDM

DMX Channel: 17CH

POWER SUPPLY

Input voltage: AC100-240V 50/60Hz

Consumed Power: 380W

Power connectors: PowerCon IN/OUT(optional Truecon)

DMX connectors: 3-Pin XLR IN/OUT (Optional 5Pin)

MOVEMENT

Pan: 540 degree / Tilt: 270 degrees

P/T position: Auto correction

P/T: 16bit scanning

BODY

Rate:IP20

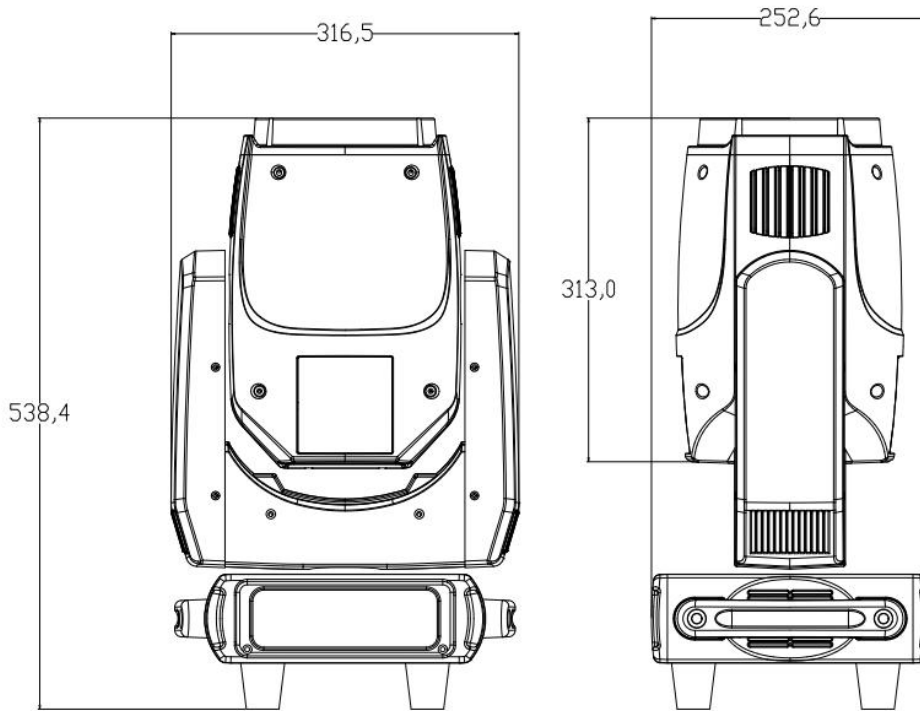
WEIGHT & SIZE

NW: 13.2kg(Not including clamps)

Carton box 1in1:550*390*390mm/15.25KG

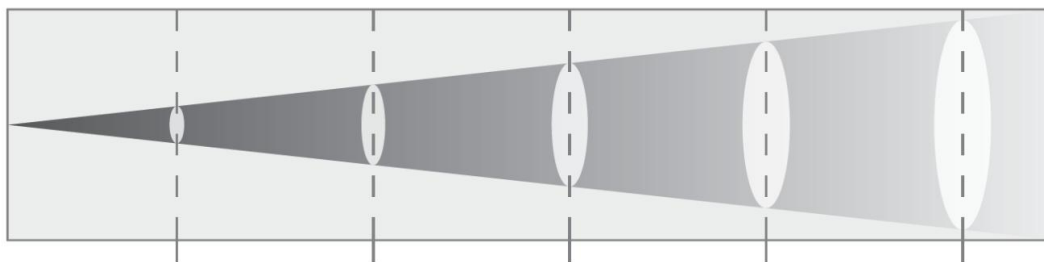
Flight case 2in1:690*400*770mm/54KG

Fixture size: 316.5*252.6*538.4mm(L*W*H)



PHOTOMETRICS DIAGRAM

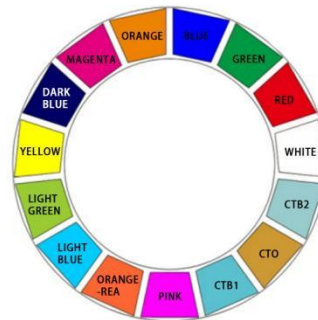
Distance(m): 10 20 25 30 50
 Illuminance(lux):
 Spot diameter(m):



GOBO WHEEL



COLOR WHEEL



PRISMS



6 wide prism



Honeycomb



8 prism



48 prism

MENU

LEVEL 1	LEVEL 2	LEVEL 3/parameters
System Settings	running mode	DMX/voice control/auto 1/auto 2
	channel mode	17CH
	Horizontal Inversion	On/Off
	Vertical Reversal	On/Off
	Hall error correction	On/Off
	Sensor error correction	On/Off
	signal holding	On/Off
	Screen Protector	On/Off
	Flip screen	On/Off

	Sync updates	On/Off This feature requires the DMX cable to be unplugged.
	language	centre /EN
	factory data reset	
Manual mode	Manual control values	000-255
System calibration	enter password	lamp calibration
System reset	Effect motor reset	Reset the effect panel except XY
	scan motor reset	Reset only the XY axis
	Reset all motors	Lamp reset
System info	Reset information	Display specific information
	DMX data detection	Display specific DMX detection content
	sensor information	Display specific information about optocouplers and Hall effect sensors
	Hardware version	Display hardware version
	software version	Display software version number

◆ System Settings

Option	Explain	
Running mode	DMX mode, Auto mode, and voice-controlled mode.	
	DMX mode	Console mode, receiving DMX signals, RDM signals
	Auto mode 1	Operates automatically according to built-in program 1
	Auto mode 2	Operates automatically according to built-in program 2
	Voice Mode	When the lamp detects a loud sound, it automatically runs a scene according to the built-in program; otherwise, it maintains the last scene.

Channel	17CH	
PAN Inversion	Set PAN rotation direction	
	close	Not reverse
	open	opposite direction
TILT Reversal	Set Tilt rotation direction	
	close	Not reverse
	open	opposite direction
Hall error correction	Check if the motor for color disk and focus adjustment has reset and lost synchronization	
	close	Failure to correct position after losing track
	open	Automatic position correction after loss of step
Sensor error correction	Check if pan tilt is out of sync and correct	
	close	Failure to correct position after losing track
	open	Automatic position correction after loss of step
signal holding	The output status of the lamp when there is no DMX signal	
	close	No signal detected, so the motor and light source reset to their initial positions and states.
	open	No signal detected. Maintain the last frame of DMX data output.
Screen Protector	Screen on time	
	close	Always on
	open	Turn off the screen automatically in static mode
Flip screen	Set the screen orientation	
	close	Display in reverse
	open	Reverse display
Sync updates	Sync the setup or calibration parameters of multiple lights	
	close	Sync update is disabled.
	open	Connect multiple lamps via DMX cables to synchronize information on the calibration interface. (Note: Disconnect the DMX signal cable from the control panel.)

Language	Switch between Chinese and English menus	
	CH	the Chinese language
	EN	English menu
Factory data reset	Parameters return to factory settings	
	cancel	keep
	confirm	Restore the lamp to factory settings

◆ Manual control

This interface controls the current light. For details, see the channel table.

Press OK to enter edit mode. Use the up and down keys to change channel values. Press OK again to save changes and exit edit. Press Exit to exit edit without saving changes.

◆ system calibration

A password is set here to prevent unauthorized access. Press OK to verify the password.

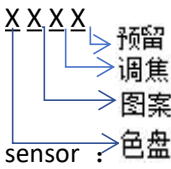

option	explain
initial position calibration	After entering the sub-interface, you can adjust the reset positions of motors including pan, tilt, color wheel, gobo wheel, frost, and focus adjustment to compensate for hardware installation errors. The adjustment range is 0 to 255, with 127 indicating no adjustment.
course calibration	After entering the sub-interface, you can adjust the pan, tilt, frost, rainbow color selection, and focus motor stroke within the range of 0 to 255, where 127 indicates no adjustment.
calibration of power	Adjust the maximum power of the entire lamp. The range is 0 to 255, where 255 means no adjustment.
MIC sensitivity calibration	Adjust the voice sensitivity.
Change password	Set the system calibration password.

◆ reset

Press the up or down key to switch between reset modes. Press OK to reset directly.

option	explain
actuator motor reset	Reset motor for color wheel and focus adjustment
scan motor reset	Reset only the PAN TILT
Reset all motors	Lamp reset

◆ system info

option	explain
RESET error message	<p>If the red ERR indicator light turns on, the lamp is malfunctioning.</p> <p>1) IC1 communication failure (communication between motor and display board failed)</p> <p>2) X/Y optical coupler error</p> <p>3) Failed motor reset for color wheel and focus adjustment</p>
DMX data monitoring	Enter the sub-interface to view channel values numerically. You can navigate through pages.
sensor information	<p>1) Hall: COLOR, GOBO, FOCUS,Reserved</p> <p>XXXX  </p> <p>X-ray and Y-ray couplers: XXXX--XXXX Actual value,reserved value  </p>
Hardware version	<p>Hardware information of the lamp</p> <p>XX ↓ . ↓ XX . XX XX .</p> <p>XX . XX XX . XX . XX</p> <p>Display board version. Motor version</p>
Software version	<p>Lamp software version</p> <p>XX ↓ . ↓ XX . XX XX .</p> <p>XX . XX XX . XX .</p> <p>XX</p>

	Display board version. Motor version
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CHANNEL LIST

17CH

17CH	FUNCTION	VALUE	DESCRIPTION
1	Pan	0-255	0-540°
2	Tilt	0-255	0-270°
3	Pan fine	0-255	Pan fine 16 bit
4	Tilt fine	0-255	Tilt fine 16 bit
5	Pan tilt speed	0-255	Fast to slow
6	Frost	0-127	No frost
		128-255	Frost q cut in
7	Strobe	0-3	Close
		4-103	Synchronized Strobe
		104-107	Open
		108-207	Evenly split strobe
		208-212	Open
		213-251	Random strobe from slow to fast
		252-255	Open
8	Dimmer	0-255	0-100% dimming
9	Color	0-11	white
		12-15	Color 1
		16-19	Color 2
		20-23	Color 3
		24-27	Color 4
		28-31	Color 5
		32-35	Color 6

		36-39	Color 7
		40-43	Color 8
		44-47	Color 9
		48-51	Color 10
		52-55	Color 11
		56-59	Color 12
		60-63	Color 13
		64-67	Color 14
		68-71	open + Color 1
		72-75	Color 1 + Color 2
		76-79	Color 2 + Color 3
		80-83	Color 3 + Color 4
		84-87	Color 4 + Color 5
		88-91	Color 5+Color 6
		92-95	Color 6 + Color 7
		96-99	Color 7 + Color 8
		100-103	Color 8 + Color 9
		104-107	Color 9 + Color 10
		108-111	Color 10+ Color 11
		112-115	Color 11 + Color 12
		116-119	Color 12 + Color 13
		120-123	Color 13 + Color 14
		124-127	Color 14 + open
		128-189	Countdown from fast to slow counterclockwise
		190-193	Stop the flow
		194-255	Flow from slow to fast clockwise
10	Gobo	0-4	open hole
		5-9	Gobo 1
		10-14	Gobo2

		15-19	Gobo 3
		20-24	Gobo 4
		25-29	Gobo 5
		30-34	Gobo 6
		35-39	Gobo 7
		40-44	Gobo 8
		45-49	Gobo 9
		50-54	Gobo 10
		55-59	Gobo11
		60-64	Gobo 12
		65-69	Gobo 13
		70-125	Countdown from fast to slow counterclockwise
		126-130	Stop the flow
		131-190	Flow from slow to fast clockwise
		191-195	Gobo 1: Slow to fast jitter
		196-200	Gobo 2: Slow to fast jitter
		201-205	Gobo 3: Slow to Fast Shaking
		206-210	Gobo 4: Slow to Fast Shaking
		211-215	Gobo 5: Slow to Fast Shaking
		216-220	Gobo 6: Slow to Fast Shaking
		221-225	Gobo 7: Slow to Fast Shaking
		226-230	Gobo 8: Slow to Fast Shaking
		231-235	Gobo 9: Slow to Fast Shaking
		236-240	Gobo 10: Slow to Fast Shaking
		241-245	Gobo 11: Shaking from slow to fast
		246-250	Gobo 12: Shaking from slow to fast
		251-255	Gobo 13: Shaking from slow to fast
11	Prism 1	0-63	Prism 1 cut
		64-127	The first prism of Prism 1 is cut in

		128-191	The second prism of Prism 1 is cut in.
		192-255	The third prism in Prism 1 is cut in.
12	Prism 1 rotation	0-127	0-400 degrees
		128-189	Fast to slow forward flow
		190-193	cease
		194-255	Reverse flow from slow to fast
13	Prism 2	0-127	Prism 2 cutout
		128-255	Prism 2 cut in
14	Prism 2 rotation	0-127	0-400 degrees
		128-189	Fast to slow forward flow
		190-193	cease
		194-255	Reverse flow from slow to fast
15	Rainbow color	0-127	Seven-color cut-out
		128-255	Colorful Cut-in
16	Focus	0-255	From far to near
17	Reset	100-105	Turn off the light bulb (5S)
		200-205	Turn on the light bulb (5S)
		250-255	Reset all motors (5S)

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!