

LED Bee Wash Moving Head Light

User Manual



19x40W RGBW

Please keep the manual carefully for further reference

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Moving head light user manual

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 light correctly, we suggest that the installation and operation should be done by the verified technician with following the instruction strictly.

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

- be qualified
- follow carefully the instructions of this manual

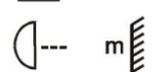
Introduction

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 box you should find:

1. 1PC DMX connection cable
2. 1PC use manual
3. 1PC power cable
4. 1PC fixture

Please check carefully that there is no damage caused by transportation. please consult your local dealer in case of any problem.

Symbol Instruction On The Device

-  **CE Certificate**
-  **Suitable directly installed on the common combustibile materials devices**
-  **Only indoor using**
-  **Environmental protection**
-  **The minimum distance from lighted objects(meter)**

	<p style="text-align: center;">CAUTION!</p> <p style="text-align: center;">Keep this device away from rain and moisture!</p> <p style="text-align: center;">Unplug mains lead before opening the housing!</p>
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	<p style="text-align: center;">CAUTION!</p> <p style="text-align: center;">Be careful with your operations. With a wrong voltage you may suffer a dangerous electric shock when touching wires!</p>
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Safety Instructions

This device was in perfect condition before leaving factory. 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.



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 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 temperature.
- ▶ Please make sure that the device is earthed correctly.
- ▶ Please replace housing if it is broken. This fixture can be used after installed.
- ▶ The electric connection must be carried out by qualified person.
- ▶ Make sure that the available voltage is not higher than the stated voltage in this manual.
- ▶ Make sure the power cord is never crimped or damaged by sharp edges. If this happens, replacement of the cable must be done by an authorized dealer.
- ▶ If the external flexible cable or cord of this fixture 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.
- ▶ Please cut off the power before cleaning, maintaining or turn on the fixture.



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 the device are not subject to warranty. Keep away from non-professionals.

General Guidelines

- ▶ This device is a effect light for professional use on stages, in discotheques, theaters, etc., the device is designed for indoor use only.
- ▶ This fixture is only allowed to be operated with the max alternating current which is stated in the technical specifications in the last page of this manual.
- ▶ The device can do continuous work for eight hours. Lighting effects are not designed for permanent operation. Consistent operation may shorten the fixture's lifespan.
- ▶ Handle with care, do not make the device by strong shocks.
- ▶ 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 1 meter.
- ▶ Please do not install in damp, overheat or dusty environment or use the device. Do not use light on fuel. The distance between the device and the projectile to keep at least 1 meter.
- ▶ If you use the quick lock cam to hang up the fixture, please make sure the quick lock fasteners can be turned in the quick lock holes correctly.
- ▶ Operate the device only after having familiarized with its functions. Do not permit unqualified people to operate the device. Most damages are caused by unprofessional operation.
- ▶ Please use the original packaging if the device is 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, lamp explosion, crash, etc.

Installation Instruction



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.

- ▶ The applicable temperature for the lighting is between -10°C to 45°C. Do not use the lighting under or above the temperature.
- ▶ Before installation, must ensure installation bracket, handle or truss for this light can hold 10 times of the fixture weight for 1 hour without any harming deformation.

- ▶ The installation must always be secured with a secondary safety e.g. an appropriate safety rope. Never stand directly below the device when mounting, removing or servicing the fixture.
- ▶ The operator has to make sure the safety relating and machine technical installations are approved by an expert before taking the device into operation for the first time.
- ▶ These installations have to be approved by a skilled person once a year.
- ▶ Overhead mounting requires extensive experience, including others calculating working load limits, installation material being used, and periodic safety inspection of all installation material and the device. If you lack these qualifications, do not attempt the installation yourself. Improper installation can result in bodily injury.

Product specification

- 19PC 40W RGBW LED
- LED average lifetime over 50000 hours, low power consumption
- DMX channel: 21/23/35/78/92/97/99 CH
- Control mode : master/slave, auto, DMX, sound
- Zoom angle: 3.5°--50°
- Pan: 540° (16 bits), TILT: 270° (16 bits)
- Electrical strobe 1~25Hz;
- Electrical dimming: 0%~100%;
- Built-in programs for auto display or controlled by DMX controller
- can edit program via DMX controller and front display, and save the programs in CPU of the fixture.
- 3Pin DMX connector, LCD display
- Ambient temperature: -10°~45°
- Input voltage: AC100 ~240V 50/60Hz, power consumption: 600W

MENU	Sub-MENU	
Address	001 - 512	
System setting	Run mode	DMX/Sound/Auto 2/Auto1
	Channel mode	21CH/23CH/35CH/78CH/92CH/ 97CH/99CH
	Pan reverse	On/Off
	Tilt reverse	On/Off
	Hold	On/Off
	Optocoupler correction	On/Off
	Signal hold	On/Off
	Display protection	On/Off
	Display reverse	On/Off
	Sync update	On/Off
	Lanuage	CH/EN
Factory default	Yes/No	
Manual mode		0-255
System correction	Input password<8888>	Fixture correction
System reset	Effect motor reset	
	Scan motor reset	
	Full motors reset	
System infos	Reset error infos	
	DMX data monitoring	
	Sensor infos	Switch hall infos
		X sensor infos
		Y sensor infos
	Hardware version	
Software version		

Attention: Just one unit can be setting as master, others all with slave.

DMX Channel Instruction

The DMX512 signal succeeded sent to the lights when address stop flicker after all of lights connection and connected to DMX Controller.

DMX Channel chart

CH23	CH99	Function	Value	Instruction
1	1	X	0-255	
2	2	X fine	0-255	
3	3	Y	0-255	
4	4	Y fine	0-255	
5	5	XY speed	0-255	From fast to slow
6	6	zoom	0-255	Small to big
7	7	Lens rotation	0-127	0~60°
			128-188	Endless rotation from fast to slow
			189-194	stop
			195-255	Endless rotation from slow to fast
8	8	Total dimmer	0-255	0-100%
9	9	Strobe	0-3	On
			4-200	From slow to fast
			201-225	Low speed random strobe
			226-234	middle speed random strobe
			235-255	high speed random strobe
10	10	Red	0-255	0-100%
11	11	Green	0-255	0-100%
12	12	Blue	0-255	0-100%
13	13	White	0-255	0-100%
14	14	Color temp adjust	0-255	
15	15	Marco color	0-255	
16	16	Static effect	0-9	no function
			10-14	Effect 1
			15-19	Effect 2
			20-24	Effect 3
			...	
			Every 5 datas as one effect	
			...	
			175-179	Effect 34
			180-184	Effect 35
			185-255	Effect 36

17	17	Dynamic effect	0-9	no function
			10-14	Effect 1
			15-19	Effect 2
			20-24	Effect 3
		
			Every 5 datas as one effect	
			220-224	Effect 43
			225-229	Effect 44
			230-255	Effect 45
18	18	Dynamic effect speed	0-126	From fast to slow
			127-128	stop
			129-255	From slow to fast
19	19	Background red	0-255	0-100%
20	20	Background green	0-255	0-100%
21	21	Background blue	0-255	0-100%
22	22	Background white	0-255	0-100%
23	23	Reset	0-26	No function
			27-76	Head reset after 5s
			77-127	XY reset after 5s
			128-255	All reset after 5s
/	24	R1 LED dimmer	0-255	0-100%
	25	G1 LED dimmer	0-255	0-100%
	26	B1 LED dimmer	0-255	0-100%
	27	W1 LED dimmer	0-255	0-100%

	96	R19 LED dimmer	0-255	0-100%
	97	G19 LED dimmer	0-255	0-100%
	98	B19 LED dimmer	0-255	0-100%
	99	W19 LED dimmer	0-255	0-100%

CH21	CH35	CH78	CH92	CH97	Function	Value	Instruction
1	1	1	1	1	Red	0-255	0-100%
2	2	2	2	2	Red fine	0-255	
3	3	3	3	3	Green	0-255	0-100%
4	4	4	4	4	Green fine	0-255	
5	5	5	5	5	blue	0-255	0-100%
6	6	6	6	6	Blue fine	0-255	
7	7	7	7	7	white	0-255	0-100%
8	8	8	8	8	White fine	0-255	
9	9	9	9	9	Color temp adjust	0-255	
10	10	10	10	10	Color macro	0-255	Inner color change
11	11	11	11	11	Strobe	0-3	open
						4-200	From slow to fast
						201-225	Low speed random strobe
						226-234	middle speed random strobe
						235-255	high speed random strobe
12	12	12	12	12	Total dimmer	0-255	0-100%
13	13	13	13	13	Total dimmer fine	0-255	
14	14	14	14	14	X	0-255	pan
15	15	15	15	15	X fine	0-255	Pan fine
16	16	16	16	16	Y	0-255	Tilt

17	17	17	17	17	Y fine	0-255	Tilt fine
18	18	18	18	18	Marco function	0-255	No function
19	19	19	19	19	Reset	0-25	No function
						26-76	Head reset after 5s
						77-127	XY reset after 5s
						128-255	full reset after 5s
20	20	20	20	20	Zoom	0-255	0-100%
21	21	21	21	21	Lens rotation	0-127	0-60 degrees
						128-188	Endless rotation from fast to slow
						189-193	Stop
						194-255	Endless rotation from slow to fast
/	22	/	22	/	Inner effect	0-7	No function
						8-12	Static effect 1
						13-17	Static effect 2
						18-22	Static effect 3
						23-27	Static effect 4
						28-32	Static effect 5
						33-37	Dynamic effect 1
						38-42	Dynamic effect 2
						43-47	Dynamic effect 3
						48-52	Dynamic effect 4
						53-57	Dynamic effect 5

						58-62	Dynamic effect 6
						63-67	Single color random
						68-72	Full color random
						73-77	Rainbow effect 1
						78-82	Rainbow effect 2
						83-87	Dynamic effect 7
						88-92	Dynamic effect 8
						93-97	Dynamic effect 9
						98-102	Dynamic effect 10
						103-107	Dynamic effect 11
						108-112	Dynamic effect 12
						113-117	Dynamic effect 13
						118-122	Dynamic effect 14
						123-127	Dynamic effect 15
						128-132	Dynamic effect 16
						133-137	Dynamic effect 17
						138-142	Dynamic effect 18
						143-147	Dynamic effect 19
						148-152	Dynamic effect 20
						153-157	Dynamic effect 21
						158-162	Dynamic effect 22
						163-167	Dynamic effect 23

					168-172	Dynamic effect 24
					173-177	Dynamic effect 25
					178-182	Dynamic effect 26
					183-187	Dynamic effect 27
					188-192	Dynamic effect 28
					193-197	Dynamic effect 29
					198-202	Dynamic effect 30
					203-207	Dynamic effect 31
					208-212	Dynamic effect 32
					213-217	Dynamic effect 33
					218-222	Dynamic effect 34
					223-227	Dynamic effect 35
					228-232	Dynamic effect 36
					234-237	Dynamic effect 37
					238-242	Dynamic effect 38
					243-247	Dynamic effect 39
					248-252	Dynamic effect 40
					253-255	Dynamic effect 41
	23		23	Effect speed	0-63	Static effect
					64-158	From fast to slow
					159-160	static
					161-255	Flow slow to fast

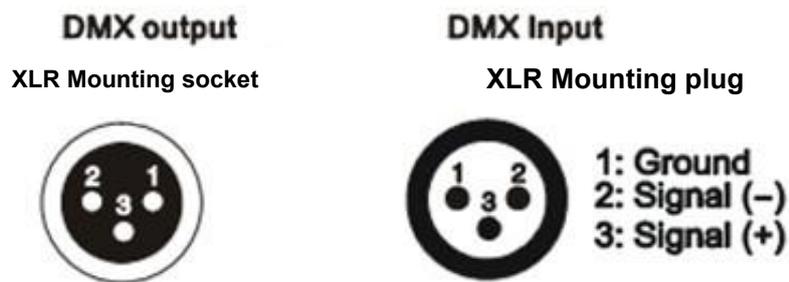
	24		24		Effect desalting	0-255	Dynamic effect desalting
	25		25		Effect red	0-255	Dynamic effect red
	26		26		Effect green	0-255	Dynamic effect green
	27		27		Effect blue	0-255	Dynamic effect blue
	28		28		Effect white	0-255	Dynamic effect white
	29		29		Effect dimmer	0-255	0-100%
	30		30		Background dimmer	0-255	0-100%
	31		31		Effect transition	0-255	Patterns change
	32		32		Effect replenish	0-255	Patterns moving
	33		33		Forecolor strobe	0-255	Same with CH11
	34		34		Background strobe	0-255	Same with CH11
	35		35		Background option	0-255	
/		22	36	22	R1 LED dimmer	0-255	0-100%
		23	37	23	G1 LED dimmer	0-255	0-100%
		24	38	24	B1 LED dimmer	0-255	0-100%
				25	W1 LED dimmer	0-255	0-100%
		25	39	26	R2 LED dimmer	0-255	0-100%
		0-255
		76	91	94	R19 LED dimmer	0-255	0-100%
		77	90	95	G19 LED dimmer	0-255	0-100%

		78	92	96	B19 LED dimmer	0-255	0-100%
		/	/	97	W19 LED dimmer	0-255	0-100%

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. You can chain multiple lights together through serial linking

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



DMX address setting

Each fixture must have a specific starting address. When receiving signal transmission, fixture will receive channel control signals from DMX controller through this starting address.

According to different requirements or easy to use, the user can set many fixtures to the same address, also can set up a separately address for every device.

If more than one fixtures have the same address, all of them receive the same DMX channel signal from DMX controller. All connected fixtures are jointly controlled, DMX controller can't control a device separately.

If each device has a different address, each device will be separate and accept separate DMX512 control signal through the separate DMX address, so that more convenient to control one device separately. this method must be based on channel quantity of device to determine a starting address.

This device has 23 channels, so the first device starting address set 1, the second is 24(1+23), the third is 47(24+23) and so on.

Cleaning and maintenance

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

	<p style="text-align: center;">CAUTION Turn off power before cleaning and maintenance!</p>
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Attention

Do not look into light source directly when turn on the light, and make sure power off before do any installation or maintenance.

	<p style="text-align: center;">CAUTION! Never look directly into the light source, as sensitive persons may suffer an epileptic shock.</p>
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	<p style="text-align: center;">CAUTION Wires connection must be done by professional person!</p>
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Warranty Card

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 needs 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:	