BIHEAD

LCG-BW2

USER MANUAL

KEEP THIS 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 opening the housing.

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

-be qualified

-follow carefully the instructions of this manual

1. 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 XLR power cable

2. One user manual

3. One pcs omega

Please check carefully that there is no damage caused by transportation.

Should there be any, please consult your dealer and don't install this device.

2 Mounting and installation

2.1 Cautions: for added protection mount the fixtures in areas outside walking paths, seating area, or in areas were the fixture might be reached by unauthorized personnel.

Before mounting the fixture to any surface, make sure that the installation area can hold a minimum point load of 10 times the device's weight.

Fixture installation must always be secured with a secondary safety attachment, such as an appropriate safety cable.

Never stand directly below the device when mounting ,removing ,or servicing the fixture, from a ceiling, or set on a flat level surface (see illustration below).Be sure this fixture is kept at least 0.5m (1.5ft) away from any flammable (decoration etc.)

Always use and install the supplied safety cable as a safe cable as safety measure to prevent accidental damage and /or injury in the event the clamp fails.
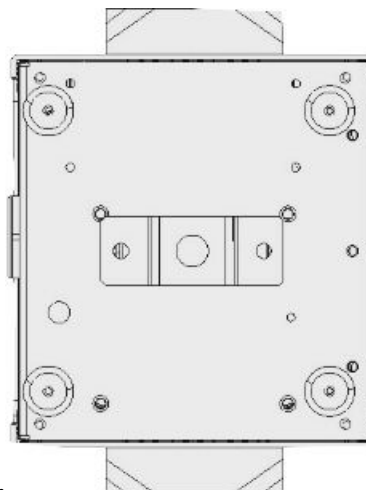
2.2 Mounting points:

Overhead mounting requires extensive experience, including amongst others calculating working load limits, a fine knowledge of the installation material being used, and periodic safety inspection of all

installation material and the fixture. If you lack these qualifications,

Do not attempt the installation yourself improper installation can result

in bodily injury.

Be sure to complete all rigging and installation procedures before

connecting the main power cord to the appropriate wall outlet.
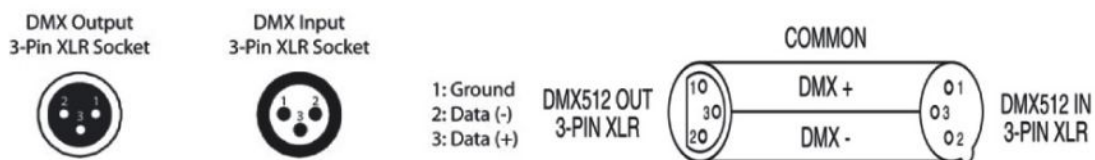
2.3 Clamp mounting:

The LED moving head provides a unique mounting bracket assembly that

integrates the bottom of the base, the included 'omega bracket' and the

safety cable rigging point in one unit (see the illustration below).When

mounting this fixture to truss be sure to sere to secure an appropriately

rated clamp to the included omega bracket using a M10 screw fitted

through the center hole of the 'omega bracket'. As an added safety

measure be sure to attached at least one properly rated safety cable to

the fixture using on of the safety cable rigging point integrated in the
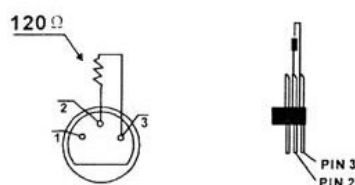

base assembly.

2.4 DMX-512 control connection

Connect the provided XLR cable to the female 3-pin XLR output of your controller and the other side to the male 3-pin XLR input of the moving head. You can chain multiple Moving head 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.

2.4 DMX-512 connection with DMX terminator

For installations where the DMX cable has to run a long distance or is in an electrically noisy environment, such as in a discotheque, it is recommended to use a DMX terminator. This helps in preventing corruption of the digital control signal by electrical noise. The DMX terminator is simply an XLR plug with a 120 resistor connected between pins 2 and 3, which is then plugged into the output XLR socket of the last fixture in the chain. Please see illustrations below.

3 TECHNICAL PARAMETERS

POWER SUPPLY

Input power:AC100-240V 50/60 Hz

Power consumption :70 W

LED: 1 PCS 10W RGBW CREE LED and 4 pcs 10W RGBW LED

DMX channel:17/23channels

Movement:Pan/Tilt:X axis/ Y axis Endless rotation

Control mode:DMX512/Master-Slave/Auto run/sound

Display: LED display

8 internal program , sound mode can control by DXM 512
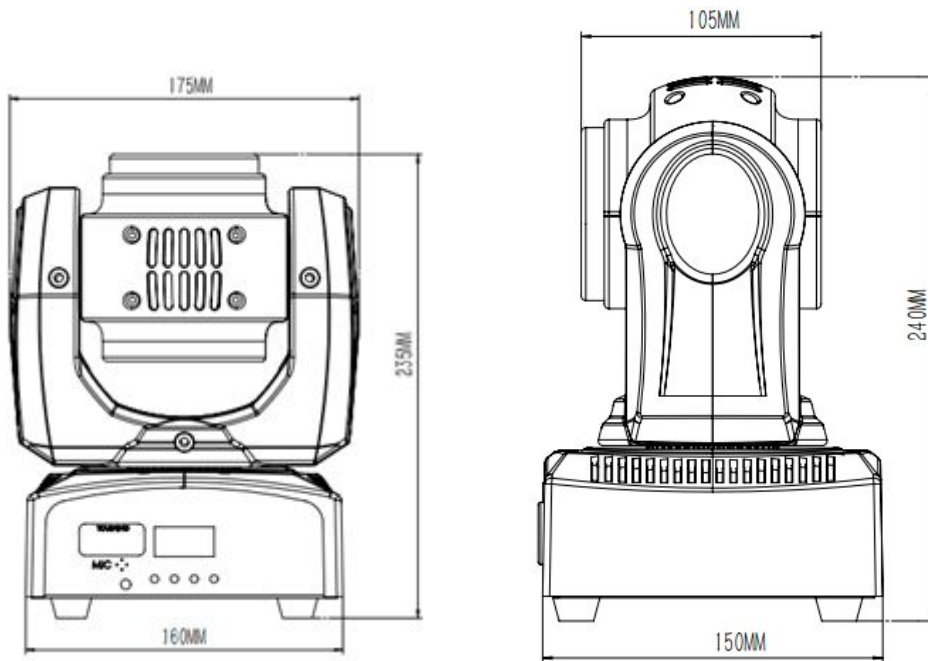
Beam angle:3 /25 degree

WEIGHT&SIZE

N.W: 2.5kgs

G.W: 3.5kgs

size: 32.5X25X27 cm

Packing size :54X34X29Cm (2pcs)

Product size: 160x150x240mm

4 :MENU FUNCTION

1 Addr	DMX Address	001-512
2 ChMd	DMX Mode	.=CH 17
		.=CH 23
3 SLMd	Run Mode	.=Master
		.=Slave
4 SHMd	Internal Program	.=001
		.=002
		.=003
		.=004
		.=005
		.=006
		.=007
		.=008
5 Soun	Sound Control	.=OFF
		.=ON
6 PAN	X Reverse	.=OFF
		.=ON
7 TIL	Y Reverse	.=OFF

		.=ON
8 dISP	Display Reverse	.=OFF
		.=ON
9 rFAC	Reset Default	.=OFF
		.=ON
10 rST	Reset Motor	

5: Function Mode

5.1 DMX address setting

With this function, you can adjust the desired DMX-address via the

Control Board.

Select via the encoder.

Press the encoder; adjust the DMX address by turning the encoder.

Press the encoder to confirm.

Press the Mode/Esc-button in order return to the main menu.

Set DMX address

Display the DMX 512 value of each channel

With this function you can display the DMX 512 value of each channel.

The display automatically

Shows the channel with a value changing.

5.2 DMX Mode

The LED moving head have 17CH and 23CH

5.3 Run Mode

In the【Run】mode，you can chose【Master】mode and【Slave】mode.

5.4:Auto Play

With this function, you can run the 8 Inside program with master mode.

5.5 sound

[Music control]With this function, you can run sound-controlled.

5.6 Pan Reverse

With this function you can reverse the Pan-movement.

5.7 Tilt   Reverse

With this function you can reverse the Tilt -movement.

5.8 Display Reverse

With this function you can reverse the display-movement.

5.9:Reset Default

With this function, you can select restore factory set for ON or OFF, the

default is OFF.

5.10:Reset Motor

With this function, you can reset the device via the Control Board. You

can select the different reset function by turning the encoder.

6: DMX CHANNELS

6.1   17 channel definition table

Channel	DMX Value	Function
1	000 - 255	X
2	000-007	Empty
	008-255	X Motor move back and forth(Slow to fast)
3	000 - 255	Y

4	000-007	Empty
	008-255	Y Motor Rotation(Slow to fast)
5	000-127	Y1 Mode
	128-255	Y2 Mode
6	000-255	Dimmer(0-100%)
7	000-004	Shutter closed
	005-250	Strobe effect slow to fast
	251-255	Shutter open
8	000-255	Red
9	000-255	Green
10	000-255	Blue
11	000-255	White
12	000-007	Empty
	008-016	Y1-R
	017-025	Y1-G
	026-034	Y1-B
	035-043	Y1-W
	044-052	Y1-RG
	053-061	Y1-GB
	062-070	Y1-BW
	071-079	Y1-RW
	080-088	Y1-RGB
	089-097	Y1-GBW
	098-106	Y1-RBW
	107-115	Y1-RGW
	116-127	Y1-RGBW
	128-255	Y1-Macro Color Line(Slow from slow to fast)
13	000-007	Empty
	008-016	Y2-R
	017-025	Y2-G
	026-034	Y2-B
	035-043	Y2-W
	044-052	Y2-RG
	053-061	Y2-GB
	062-070	Y2-BW
	071-079	Y2-RW
	080-088	Y2-RGB
	089-097	Y2-GBW
	098-106	Y2-RBW

	107-115	Y2-RGW
	116-127	Y2-RGBW
	128-255	Y2-Macro Color Line(Slow from slow to fast)
14	000-007	Empty
	008-037	LED Auto Play 1
	038-067	LED Auto Play 2
	068-097	LED Auto Play 3
	098-127	LED Auto Play 4
	128-157	LED Auto Play 5
	158-187	LED Auto Play 6
	188-217	LED Auto Play 7
	218-247	Macro Color Line
	248-255	LED Sound Control MODE
15	000-255	LED Auto Play Speed(Slow to Fast)
16	000-007	Empty
	008-032	X/Y auto run 1
	033-058	X/Y auto run 2
	059-084	X/Y auto run 3
	085-110	X/Y auto run 4
	111-136	X/Y auto run 5
	137-162	X/Y auto run 6
	163-188	X/Y auto run 7
	189-214	X/Y auto run 8
	215-240	X/Y auto run 9
	241-255	X/Y Sound Control
17	250-255	RESET(10S)

6.2   23 channel definition table

Channel	DMX Value	Function
1	000 - 255	X
2	000-007	Empty
	008-255	X Motor move back and forth(Slow to fast)
3	000 - 255	X SPEED
4	000 - 255	Y
5	000-007	Empty
	008-255	Y Motor Rotation(Slow to fast)

6	000-127	Y1 Mode
	128-255	Y2 Mode
7	000 - 255	Y SPEED
8	000-255	Dimmer(0-100%)
9	000-004	Shutter closed
	005-250	Strobe effect slow to fast
	251-255	Shutter open
10	000-255	Red1
11	000-255	Green1
12	000-255	Blue1
12	000-255	White1
14	000-255	Red2
15	000-255	Green2
16	000-255	Blue2
17	000-255	White2
18	000-007	Empty
	008-016	Y1-R
	017-025	Y1-G
	026-034	Y1-B
	035-043	Y1-W
	044-052	Y1-RG
	053-061	Y1-GB
	062-070	Y1-BW
	071-079	Y1-RW
	080-088	Y1-RGB
	089-097	Y1-GBW
	098-106	Y1-RBW
	107-115	Y1-RGW
	116-127	Y1-RGBW
	128-255	Y1-Macro Color Line(Slow from slow to fast)
19	000-007	Empty
	008-016	Y2-R
	017-025	Y2-G
	026-034	Y2-B
	035-043	Y2-W
	044-052	Y2-RG
	053-061	Y2-GB
	062-070	Y2-BW
	071-079	Y2-RW

	080-088	Y2-RGB
	089-097	Y2-GBW
	098-106	Y2-RBW
	107-115	Y2-RGW
	116-127	Y2-RGBW
	128-255	Y2-Macro Color Line(Slow from slow to fast)
20	000-007	Empty
	008-037	LED Auto Play 1
	038-067	LED Auto Play 2
	068-097	LED Auto Play 3
	098-127	LED Auto Play 4
	128-157	LED Auto Play 5
	158-187	LED Auto Play 6
	188-217	LED Auto Play 7
	218-247	Macro Color Line
	248-255	LED Sound Control MODE
21	000-255	LED Auto Play Speed(Slow to Fast)
22	000-007	Empty
	008-032	X/Y auto run 1
	033-058	X/Y auto run 2
	059-084	X/Y auto run 3
	085-110	X/Y auto run 4
	111-136	X/Y auto run 5
	137-162	X/Y auto run 6
	163-188	X/Y auto run 7
	189-214	X/Y auto run 8
	215-240	X/Y auto run 9
	241-255	X/Y Sound Control
23	250-255	RESET(10S)

Declaration

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!
	Never look directly into the light source, as sensitive persons may suffer an epileptic shock.