

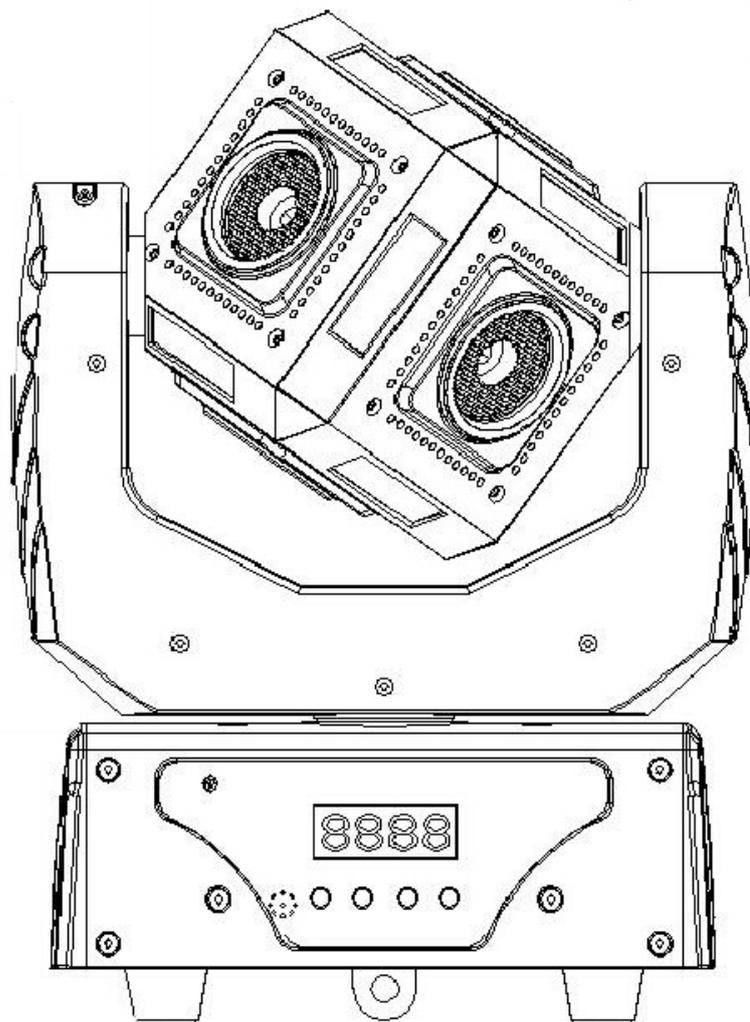


Mini Rubik LED

LCG-623A

LED Moving Head Light

User manual



Please keep the manual carefully for future 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 lighting safety and correctly. We suggest that the installation and operation should be done by the verified technician and follow 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. One DMX connection cable
2. One quick lock handle
3. One safety rope
4. One use manual
5. One power cable

Please check carefully that there is no damage caused by transportation. Should there be any, consult your local dealer

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)**

 	CAUTION! Keep this device away from rain and moisture! Unplug mains lead before opening the housing!
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	CAUTION Be careful with your operations. With a dangerous voltage you can suffer a dangerous electric shock when touching wires!
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Safety Instructions

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.



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 be earthed.
- ▶ Please replace housing if it is broken. This fixture can be using after finished installed.
- ▶ The electric connection must carry out by qualified person.
- ▶ Make sure that the available voltage is not higher than stated at the end of this manual.
- ▶ 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.
- ▶ 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.
- ▶ Please cut off the power if don't use the fixture or want to clean, maintenance.



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 lighting effect for professional use on stages, 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 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 breaks may ensure that the device will serve you for a long time without defects.

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- ▶ 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 in damp, overheat or dusty environment install and 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 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, lamp explosion, crash, etc.

Installation Instruction

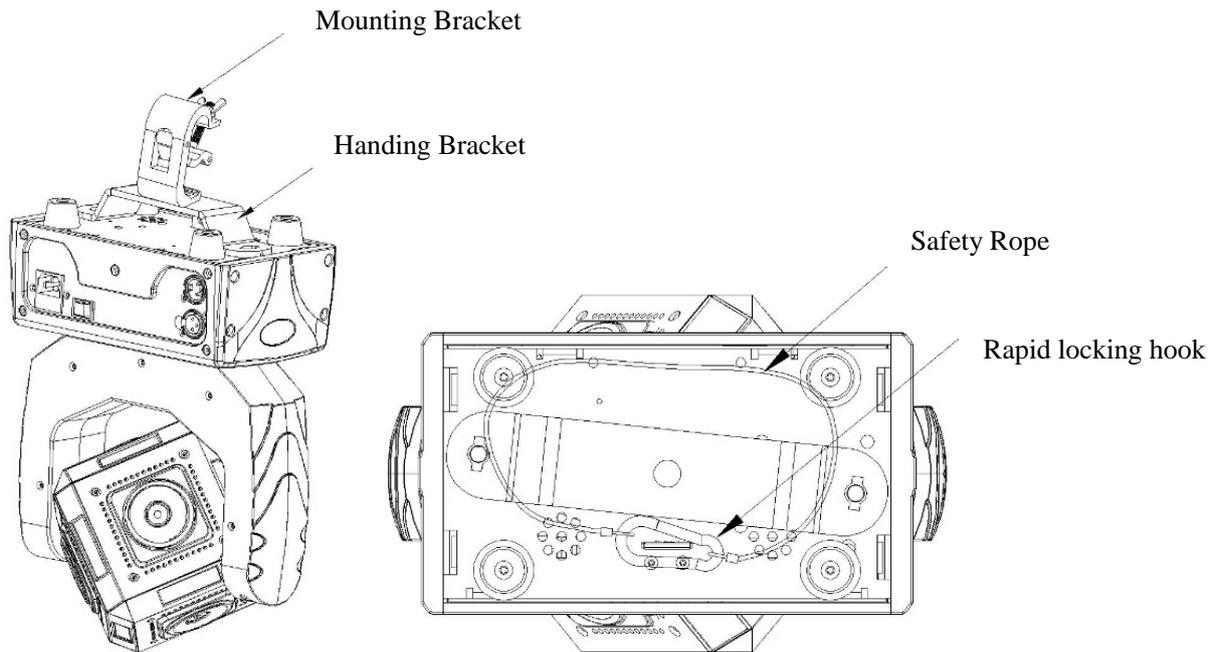


CAUTION!

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 -25°C to 45°C. Do not use the lighting under or above the temperature.
- ▶ The installation of the effect has to be built and constructed in a way that it can hold 10 times the weight for 1 hour without any harming deformation.
- ▶ The installation must always be secured with a secondary safety attachment, 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 amongst 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.

Ringing



Insert the quick-lock fasteners of the first holder into the respective holes on the bottom of the device. Tighten the quick-lock fasteners fully clockwise.

Make the finished installed mounting bracket tighten on the fixed bracket.

Pull the safety rope through the holes on the bottom of the base and over the trussing system or other safe fixation spot.

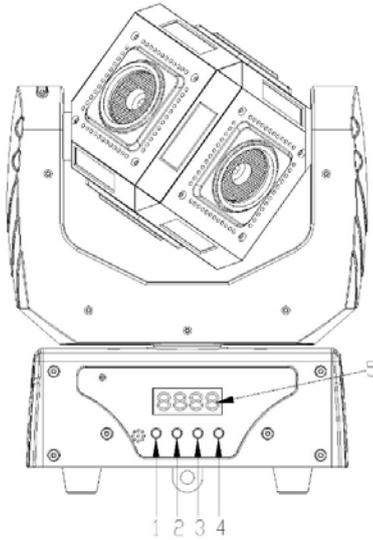
Note: This step is quite important to ensure that fixture will not drop out by the damage of clamp.

Product specification

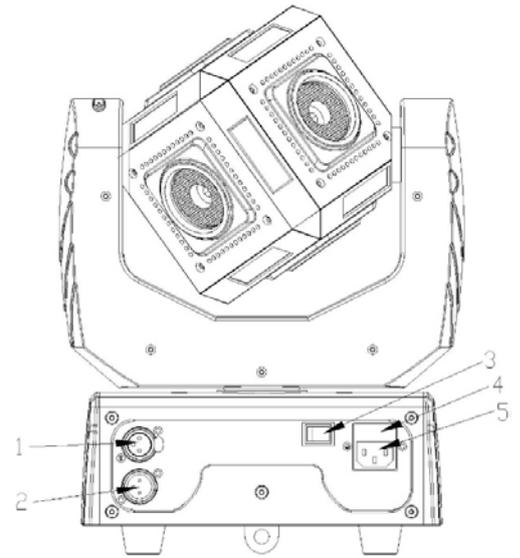
- 6* 10W Cree RGBW 4in1 LED;
- LED average lifetime over 50000 hours, low power consumption
- DMX channel: 14/16CH
- Control mode : master/slave, auto, DMX, sound
- Standard beam angle: 9° , standard spot angle: 18°, (RGBW) 228lum @5M
- Pan: 630°, TILT: 200°
- 360° infinite tilt
- Electrical strobe 1~25Hz;
- Electrical dimming: 0%~100%;
- 10 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, LED display:
- Input voltage: AC100 ~240V 50/60Hz

LCD display

- 1: (MENU)
- 2: (DOWN)
- 3: (UP)
- 4: (ENTER)
- 5: Display



- 1.DMX in
- 2.DMX Out
- 3.Switch
- 4.Fuse
- 5.AC power socket



LED operation

Main menu	Sub-menu	Function	
	Dmx address	Address 001~512	
	Channel	14 Channel	
		16 Channel	
	Sound Mode choose	Sh1 (Scene 1)	
		Sh2 (Scene 2)	
		Sh3 (Scene 3)	
	Master Slave mode	Mast(Master mode)	
		SL1(Slave 1 mode)	
	Dmx Lost	Hold(Keep mode)	
		Shnd (Sound active mode)	
		Blac(Black mode)	
	Sound mode	ON	
		OFF	
	Sound Control	000~099%	
	Pint	yes	
		No	
	Tint	Yes	
		No	
Nenu	Pan	000-255	
		000-255	
	Tilt	000~255	
	Til2	000~255	

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		Red	000~255
		Green	000~255
		Blue	000-255
		Whit	000-255
		Stro	000-255
		Dim	000-255
		led	000-255
	Led	on	
		off	
	disp	on	
		off	
	Test	Whole Function Test	
	Fhrs	Operate Time	
	Ver	Software Version	
	Rest	Whole Reset	
	defa	Default	

MENU operation

This fixture has 4 keys on front panel for operation, press these to set address, reset, edit and run programs and so on.

[MENU]: press MENU key to enter edit status, in edit status, if press MENU again, it will return the upper interface. If no operation 30 seconds after enter edit status, the fixture will exit the edit status automatically.

[Up]: press UP key, the indicator will flash, the address increases one by one, if hold the key continuously, the address will increase rapidly. If no press within 30 seconds, the indicator stops flashing and exit it. In edit status, press UP key, it will display the options circularly from down to up.

[Down]: press DOWN key, the indicator will flash, the address decreases one by one, if hold the key continuously, the address will decrease rapidly. If no press within 30 seconds, the indicator stops flashing and exit it. In edit status, press DOWN key, it will display the options circularly from up to down.

[ENTER]: in normal status, no function to press ENTER. In edit mode, press ENTER to enter lower interface.

Function setting

1) DMX address setting

1. Press <MENU >to enter EDIT interface
2. Press <UP/DOWN> to choose, then pres <ENTER> to enter **【Address setting】**
3. Press <Up/Down> to choose address 001~XXX
4. press <ENTER> to confirm, or press "MENU" to exit

2) Channel Setting

1. Press <MENU> to enter EDIT interface
2. Press <UP/DOWN> to choose, then pres ENTER to enter 【channel】
3. Press UP/DOWN to choose each channel.'14CH'/'16CH'
4. Press ENTER to confirm, or press "MENU" to exit

3) Sound scene Setting

1. Press <MENU> to enter EDIT interface
2. Press< UP/DOWN> to choose, then pres ENTER to enter 【Shnd】
3. Press< UP/DOWN> can choose light's three scene:Sh1,Sh2,Sh3 (can choose any scene mode to operate)
4. Press <Enter> to confirm, save and exit.

4) Master-slave setting

1. Press <MENU> to enter EDIT interface
2. Press <UP/DOWN> to choose, then pres ENTER to enter 【SLnd】
3. Press <UP/DOWN> to choose Mast/SL1.
4. Press <Enter> to confirm, save and exit.

5) DMX Lost Setting

1. Press< MENU> to enter EDIT interface
2. Press <UP/DOWN >to choose, then pres ENTER to enter 【DMX Lost】
- 3.press< UP/DOWN> can choose light's three scene:hold,shnd,blac (can choose any scene mode to operate)
4. Press <Enter> to confirm, save and exit.

7) **Sound sensitivity Setting**(before this setting, please Press MENU into <System setting> then to <DMX Lost> to select <Sound> and save, user should be in Sound Mode first, the different Sound sensitivity can be selected)

1. Press MENU to enter EDIT interface
2. Press UP/DOWN to choose, then pres ENTER to enter 【Sec】
3. Press <Up/Down>, <Enter> to adjust the sound sensitivity from 0%-99%.
4. Press <Enter> to confirm, save and exit.

8) Pan reverse setting

1. Press<MENU> to enter EDIT interface.
2. Press UP/DOWN to choose, then pres ENTER to enter 【Pint】
- 3 Press<Up/Down> to choose 'YES', /'NO'
4. Press <Enter> to confirm, save and exit.

9) Tilt reverse setting

1. Press<MENU> to enter EDIT interface.
2. Press UP/DOWN to choose, then pres ENTER to enter 【Tint】
- 3 Press<Up/Down> to choose 'YES', /'NO'
4. Press <Enter> to confirm, save and exit.

10)Manual test

1. Press MENU to enter EDIT interface
2. Press UP/DOWN to choose, then pres ENTER to enter 【Manu】
3. Press <Up/Down>, to choose 【PAN】 , 【TIL】 , 【TIL2】 , 【Red】 , 【Gren】 , 【Blue】 , 【White】

【PAN】 : (1)Press <Enter> into 【PAN】

- (2) Press <Up/Down> to choose 'P000~P255'
- (3) Press <Enter> to confirm, save and exit.

【TIL】 : (1)Press<Enter> into 【TIL】

- (2) Press<Up/Down> to choose 'T000~T255'
- (3) Press <Enter> to confirm, save and exit.

【TIL2】 : (1)Press<Enter> into 【TIL2】

- (2) Press<Up/Down> to choose 'T000~T255'
- (3) Press <Enter> to confirm, save and exit.

- 【Red】** : (1)Press <Enter> into **【Red】**
(2) Press <Up/Down> to choose 'R000~R255'
(3) Press <Enter> to confirm, save and exit.

- 【Gren】** :(1)Press<Enter> into **【Green】**
(2) Press <Up/Down>, Choose 'G000~G255'
(3) Press <Enter> to confirm, save and exit.

- 【Blue】** : (1)Press <Enter> into **【Blue】**
(2)Press<Up/Down> choose 'B000~B255'
(3)Press <Enter> to confirm, save and exit.

- 【White】** : (1)Press <Enter> into **【White】**
(2) Press <Up/Down> choose 'W000~W255'
(3) Press <Enter> to confirm, save and exit.

11) Display backlight setting

1. Press MENU to enter EDIT interface.
2. Press UP/DOWN to choose, then pres ENTER to enter **【LED blacklight】**
3. Press<Up/Down> to choose 'ON', /'OFF'
4. Press <Enter> to confirm, save and exit.

12) Display reverse setting

1. Press MENU to enter EDIT interface.
- 2 .Press UP/DOWN to choose, then pres ENTER to enter **【Display reverse】**
3. Press<Up/Down> to choose 'ON', /'OFF'
4. Press <Enter> to confirm, save and exit.

13)Whole test

- (1) Press < ENTER> to enter EDIT interface
- (2) Press < UP/DOWN>, then press < ENTER> **【test】** to do whole test
- (3) Press <Enter> to confirm, save and exit.

14) Operate time

- (1) Press < ENTER> to enter EDIT interface
- (2) Press < UP/DOWN>, then press < ENTER> **【Fhrs】** to check the light's working time
- (3) Press <Enter> to confirm, save and exit.

15) Software Version

- (1) Press < ENTER> to enter EDIT interface
- (2) Press < UP/DOWN>, then press < ENTER> **【Ver】** to check the light's version information
- (3) Press <Enter> to confirm, save and exit.

16) Whole reset

1. Press< MENU> to enter EDIT interface.
2. Press UP/DOWN to choose, then pres ENTER to enter **【Rest】**
3. After reset, it will go back to the upper interface

17) Restore factory settings

1. Press MENU to enter EDIT interface.

2. Press UP/DOWN to choose, then press ENTER to enter 【Default setting】
3. Press<Enter> to confirm,save and exit

Channel Instruction

14 Channel

Channel		Value	Function
CH1	Pan	000-255	Pan 0-630°
CH2	Tilt	000-255	Tilt 0-196°
CH3	Infinite tilt	000-030	Stop
		031-140	Anticlockwise,from fast to slow
		141-145	Stop
		146-255	Clockwise from slow to fast
CH4	Speed	000-225	Pan/Tilt Speed from fast to slow
		226-255	Maximum speed
CH5	Red	000-255	Red(0-100%)
CH6	Green	000-255	Green(0-100%)
CH7	Blue	000-255	Blue(0-100%)
CH8	White	000-255	White(0-100%)
CH9	Strobe	000-015	No Function (open)
		016-095	Strobe (1HZ-25Hz Slow-Fast)
		096-175	Strobe (1Hz Fast-Slow)
		176-255	Random Strobe (Slow-Fast)
CH10	Dimmer	000-255	Master Dimmer 0-100%
CH11	LED strip program	000-036	No Function
		037-056	Red
		057-077	Green
		078-098	Blue
		099-119	R&G
		120-140	R&B
		141-161	G&B
		162-176	R&G&B
		177-186	RGB Change
		187-196	Red-Chase
		197-206	Green-Chase
		207-216	Blue-Chase
		217-226	R&G-Chase
227-236	R&B-Chase		
237-246	G&B-Chase		

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		247-255	R&G&B-Chase
CH12	LED Strip Speed	000-015	Speed from slow to fast
CH13	Color Macro	000-045	No Function
		046-065	Red
		066-085	Green
		086-105	Blue
		106-125	White
		126-145	R&G
		146-165	R&B
		166-185	G&B
		186-205	R&G&B&W
		206-255	RGB Change Fast-Slow
CH14	Rest	000-249	No Function
		250-255	Whole Reset

16 Channel

Channel		Value	Function
CH1	PAN	000-255	Pan 0-630°
CH2	PAN Fine	000-255	Pan fine
CH3	Tilt	000-255	Tilt 0-196°
CH4	Tilt Fine	000-255	Pan fine
CH5	Infinite tilt	000-030	Stop
		031-140	Anticlockwise,from fast to slow
		141-145	Stop
		146-255	Clockwise from slow to fast
CH6	Speed	000-225	Pan/Tilt Speed from fast to slow
		226-255	Maximum speed
CH7	Red1	000-255	Red(0-100%)
CH8	Green1	000-255	Green(0-100%)
CH9	Blue1	000-255	Blue(0-100%)
CH10	White1	000-255	White(0-100%)
CH11	Strobe	000-015	No Function (open)
		016-096	Strobe (1Hz-25Hz Slow-Fast)
		097-176	Strobe (1Hz Slow-Fast)
		177-255	Random Strobe (Slow-Fast)
CH12	Dimmer	000-255	Master Dimmer 0-100%
CH13	LED strip auto program	000-036	No Function
		037-056	Red
		057-077	Green

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		078-098	Blue
		099-119	R&G
		120-140	R&B
		141-161	G&B
		162-176	R&G&B
		177-186	RGB Change
		187-196	Red-Chase
		197-206	Green-Chase
		207-216	Blue-Chase
		217-226	R&G-Chase
		227-236	R&B-Chase
		237-246	G&B-Chase
		247-255	R&G&B-Chase
CH14	LED Strip Speed	000-255	Speed from slow to fast
CH15	Color Macro	000-045	No Function
		046-065	Red
		066-085	Green
		086-105	Blue
		106-125	White
		126-145	R&G
		146-165	R&B
		166-185	G&B
		186-205	R&G&B&W
		206-255	RGB Change Fast-slow
CH16	Rest	000-249	No Function
		250-255	Whole Reset

DMX-512 control 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 output
XLR Mounting socket



DMX Input
XLR Mounting plug



DMX address setting

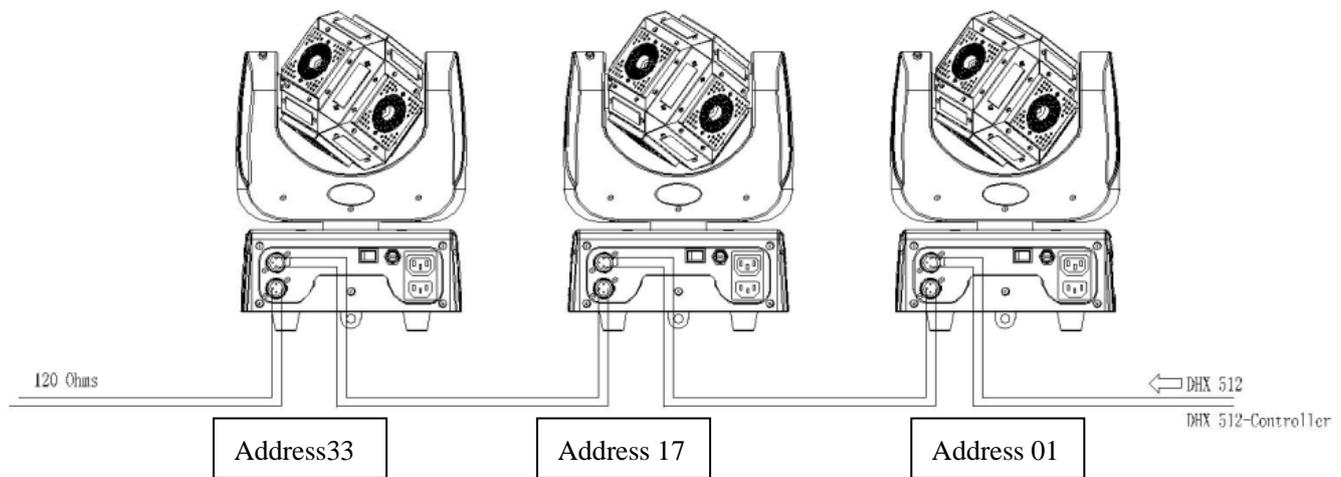
Each fixture must set a specific starting address. When receiving signal transmission, fixture will receive channels control signals which from the starting address.

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 set to the same address, all of them receive from DMX channels signal. All connections fixtures are jointly controlled, controller can't separate control a device.

If each device set to a different address, each device will be separate from its particular set the starting address and began accepting DMX512 control signal, so that more convenient separate control one of device. Using this method must be based on channel quantity of device to determine a starting address.

This device have 16 channels, so the first device starting address set 1, second is 17(1+16), third is 33(17+16) and so on.



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.

	<p style="text-align: center;">CAUTION!</p> <p style="text-align: center;">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</p> <p style="text-align: center;">Wires connection must be done professional person!</p>
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Warranty Card

<p>This product is made of high-brightness transistor. 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 need maintenance after 1 year .Please cut this warranty card and shipped it along with the product to our factory when applying for warranty.</p>		
Product:	Purchasing date:	Code of invoice:
Warranty date: From	To	
User's name:	Add:	
Company:	Tel:	