7x40W LED Moving Head
(RGBW)
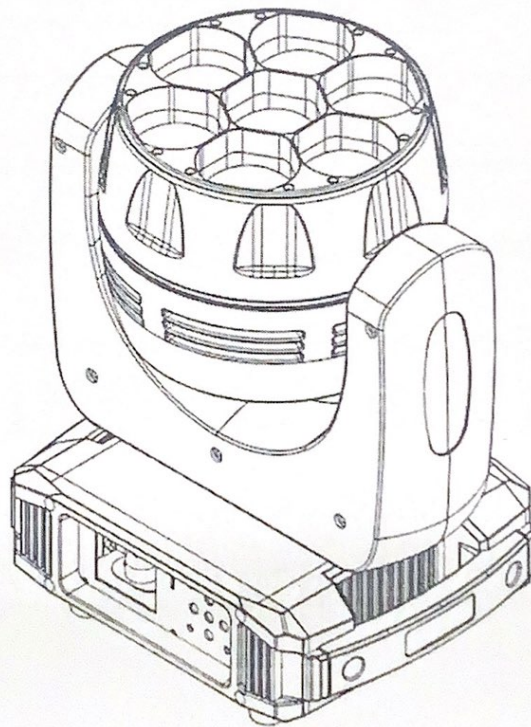
User Manual

Please read this user manual before using this product.

CE ⌂ 🗑 ✓ ROHS

STATEMENT

The product has well capability and intact packing when leave factory. All of the user should comply with warning item and manual, any misuse cause of the damages are not included in our guarantee, and also cannot be responsible for any malfunction & problem owing to

ignore the manual.

ACCESSORIES

These items are packed together with the product:

Name	Quantity	Unit	Remark
USER MANUAL	1	PCS	
DMX CABLE	1	PCS	
POWER CABLE	1	PCS	

SAFETY INSTRUCTION

Please keep this User Guide for future consultation. If you sell the unit to another user, be sure that they also receive this instruction booklet.

This fixture is an extremely sophisticated piece of electronic equipment. To guarantee a smooth operation, it is important to follow the guidelines in this manual. The manufacturer of this device will not accept responsibility for damages resulting from the misuse of this fixture due to the disregard of the information printed in this manual.

This device falls under **PROTECTION CLASS 1**. It's essential this device be grounded properly. Only qualified personnel should perform all electrical connections.

I N D O O R S   U S E   O N L Y !
DO NOT EXPOSE FIXTURE RAIN AND MOISTURE!

UNPLUG POWER BEFORE SERVICING FIXTURE!
DO NOT PLUG FIXTURE INTO A DIMMER PACK!
NEVER TOUCH FIXTURE DURING OPERATION, AS IT MAY BE HOT!

NEVER LOOK DIRECTLY INTO THE LIGHT SOURCE!
SENSITIVE PERSONS MAY SUFFER AN EPILEPTIC SHOCK!

GENERAL GUIDELINES

- **NEVER OPEN THIS FIXTURE WHILE IN USE!**

- During the initial operation of this fixture, a light smoke or smell may emit from the interior of the fixture. This is a normal process and is caused by excess paint in the interior of the casing burning off from the heat associated with the lamp and will decrease gradually over time.

- This fixture is a professional lighting effect designed for **INDOOR / DRY LOCATIONS ONLY** on stage, in nightclubs, theatres, etc.

- Please make sure there are **NO FLAMMABLE MATERIALS** close to the fixture while operating, to prevent any fire hazard.

- The fixture must be installed in a location with adequate ventilation, at least 1.5 feet (.5m) from adjacent surfaces. Be sure no air ventilation slots are blocked.

- DO NOT attempt installation and/or operation without knowledge how to do so.

- DO NOT permit operation by persons who are not qualified to operate this type of fixture. Most damages are the result of operations by nonprofessionals. Consistent operational breaks may ensure the fixture will function properly for many years to come.

- DO NOT shake fixture, avoid brute force when installing and/or operating fixture.

- Always install the fixture with an appropriate safety cable. When installing the fixture in a suspended environment, always use mounting hardware that is no less than M10 x 25 mm, also be sure the hardware is insert in the pre-arranged screw holes in the bracket of the fixture.

- Use the original packaging and materials to transport the fixture in for service.

- DO NOT TOUCH the housing bare-hand during its operation. Turn OFF the power and allow approximately 15 minutes for the fixture to cool down before replacing or serving.

INSTALLATION

C A U T I O N S

- For added protection, mount the fixture in areas outside walking paths, seating areas, or in areas were unauthorized personnel might reach the fixture.

- Ambient operating temperature range for this fixture is **5° to 113°F. (-15°**

to 45°C) Do not use the fixture under or above this temperature.

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

- 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.

FLAMMABLE MATERIAL WARNING
Keep fixture at least 5.0 ft (1.5m) away from any flammable materials, decorations, pyrotechnics, etc.

ELECTRICAL CONNECTIONS
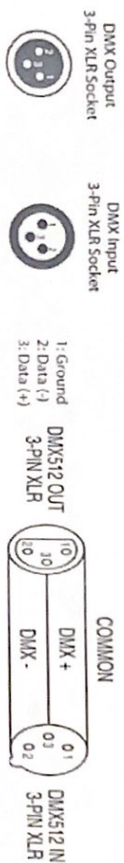A qualified electrician should be used for all electrical connections and/or installations.

The unit should be mounted via its screw holes on the bracket. Always ensure that the unit is firmly fixed to avoid vibration and slipping while operating. And make sure that the structure to which you are attaching the unit is secure and is able to support a weight of 10 times of the unit's weight. Also always use a safety cable that can hold 12 times of the weight of the unit when installing the fixture.

The equipment must be fixed by professionals. And it must be fixed at a place where is out of the touch of people.

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.

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DMX Output
3-Pin XLR Socket

DMX Input
3-Pin XLR Socket

1: Ground
2: Data (-)
3: Data (+)

COMMON

DMX512 OUT
3-PIN XLR

DMX512 IN
3-PIN XLR

DMX+
DMX-

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.

120Ω

PIN 3
PIN 2
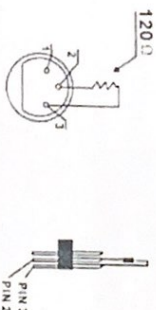
TECHNICAL SPECIFICATIN

Small, Fast, Functional LED moving head wash zoom.

DMX channel: 12/17ch mode

Control mode: DMX512, master-slave, auto, sound

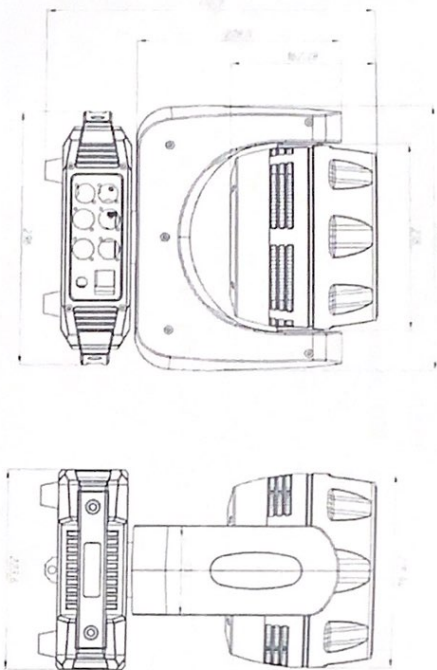LCD display screen

Voltage: AC100V-240V, 50/60Hz

Power Consumption: 350W

LED: 7X 40W OSRAM RGBW LED

Strobe: 1-25 times/second

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PAN: 540°/240° 16bit

Beam angle: 4.5°-45°

Dimmer: 0-100% linear dimming system

N.W: 10 Kg

CONTROL SYSTEM

The DMX512 is widely used in intelligent lighting control, with a DMX 512 controller. Connect several lights together dmx in and dmx out, 3 pin XLR connectors: Pin 1: GND, Pin 2: Negative signal (-), Pin 3: Positive signal (+)

HOW TO SET THE UNIT

DMX512 OUT
3-PIN XLR

COMMON

DMX +

DMX −

DMX512 IN
3-PIN XLR

XLR Male Socket

1)Ground
2)Cold
3)Hot

XLR Male Socket

Hot
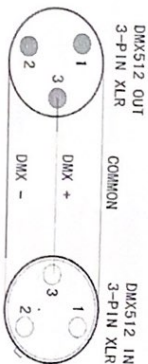
Ground

Figure2
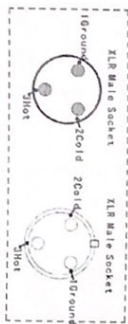
XLR Pin Configuration

pin1=Ground
pin2=Data Cold(Negative)
pin3=Data Hot(Positive)

MAIN FUNCTION

To select any of the given functions, press the **MENU** button up to where the required function is showing on the display. Select the function by pressing the **ENTER** button and the display will blink. Use the **DOWN** and **UP** buttons to change the mode. Once the required mode has been selected, press the **ENTER** button to confirm. To go back to the functions without any changes, press the **MENU** button again. Press and hold the **MENU** button for one second or wait for one minute to go back to the main menu.

The main functions are as below:

DmxAddr	001 - 512	
Fix Set	Ch Mode	STD/HIS
	Run Mode	DMX/Host
	Pan Inv	Close/Open

Manual	Tilt Inv		Close/Open
	Pan		0 – 255
	Pan Fine		0 – 255
	Tilt		0 – 255
	Tilt Fine		0 – 255
	.		0 – 255
	.		0 – 255
	.		0 – 255
Fix Info	TimeInfo	Cur Time	xxxh
		Show Time	xxxh
		PowerCnt	xxx
	SenSor	Pan	OK/NG
		Tilt	OK/NG
		Zoom	OK/NG
		Temp	OK/NG
		Fan	OK/NG
	TempInfo	Temprat	xxx C
		FanSpeed	xxxx RPM
	Soft Ver	Panel	Vx.xxx
		Motor	Vx.xxx
Home Set	Password		0 – 255
	Pan		0 – 255
	Tilt		0 – 255
	Zoom		0 – 255

	Red		0 – 255
	Green		0 – 255
	Blue		0 – 255
	White		0 – 255
FixReset	Reset		Cancel/Run
	Factory		Cancel/Run
	Language		EN/CH
Display	DispMode		Show/60s
	DispFlip		Open/Close

HOW TO CONTROL THE UNIT

1: address code setting

A001 is default setting, press **ENTER** into address set, UP/**DOWN** to change code, **then ENTER.**

◆ Set dmx address in DMX menu

◆ Set the same address or different according to needs press **Mode/Esc** back to main menu.

2: Fix setting

2.1: channel setting

2 optional channel modes, 12 ch and 17 ch, to DMX512 signal

2.2: running mode

【Run】running mode, select【Master】mode and【Slave】mode and sound control

2.3: Pan Inv

【Reverse PAN】Pan info forward and reverse settings, select【OFF】forward,

select 【ON】reverse

2.4：Tilt Inv：

【Reverse Tilt 】Tilt info forward and reverse settings, select 【OFF】forward, select 【ON】reverse

3：manual control

Manual control each functions on the menu,like Pan/tilt move speed,dimming, strobe.

4.Fix info

Time display，sensor，temp and cur soft version

5.home setting

set the pan, tilt, zoom and R,,G,B,W

6：reset

[RESET]motor reset mode，select 【ON】reset，【OFF】not reset press 【ENTER】into 【Reset default】，select 【default】，press 【ENTER】 press 【down】【up】to choose，【ON】reset deault，【OFF】stay cur setting，press 【ENTER】confirm

7：display setting：

language：Chinese/ English
display flip
display mode setting

CHANNEL DESCRIPTION (17 CHANNEL):

CH	FUNCTION	VALUE	DESCRIPTION
1	Pan	0-255	Pan Rotation
2	Pan Fine	0-255	Pan Fine
3	Tilt	0-255	Tilt Rotation
4	Tilt Fine	0-255	Tilt Fine
5	P/T Speed	0-255	P/T Speed
6	Red	0-255	LED OFF - LED ON
7	Green	0-255	LED OFF - LED ON
8	Blue	0-255	LED OFF - LED ON
9	White	0-255	LED OFF - LED ON
10	Dimmer	0-255	NO LIGHT - FULL LIGHT
11	Strobe	252 - 255	OPEN
		239 - 251	RANDOM FAST STROBE
		226 - 238	RANDOM MEDIUM STROBE
		213 - 225	RANDOM SLOW STROBE
		208 - 212	OPEN
		108-207	SLOW PULSATION - FAST PULSATION
		104 - 107	OPEN
		4-103	SLOW STROBE - FAST STROBE
		0 - 3	CLOSED
12	CCT	225-255	2500 K
		189-224	3200 K
		145-188	4000 K
		118-144	5000 K
		100-117	5600 K
		55-99	6000 K
		11-54	7000 K
		10	8000 K
		0-9	UNUSED RANGE
13	Macro colour	209-255	White
		208	Dirty White
		207	Alice Blue
		191-206	Congo Blue

		184-190	Dark Steel Blue
		180-183	Deep lavender
		179	Lilac Tint
		175-178	Daylight Blue
		174	Flame Red
		172-173	Bastard Amber
		168-171	Deep Orange
		162-167	Pale Gold
		157-161	Apricot
		151-156	Bright Blue
		149-150	Primary Green
		147-148	Special lavender
		146	Pale Lavender
		145	Deep Golden Amber
		142-144	Medium Blue
		138-141	Bright Pink
		136-137	Mauve
		134-135	Dark Green
		131-133	Leaf Green
		129-130	Dark Blue
		128	Light Blue
		127	Steel Blue
		126	Med Blu Green
		125	Peacock Blue
		123-124	Magenta
		121-122	Dark Pink
		120	Middle Rose
		119	Light Salmon
		118	English Rose

		117	Light Rose
		115-116	Orange
		114	Deep Amber
		113	Straw
		112	Light Amber
		110-111	Spring Yellow
		100-109	Dark yellow green
		89-99	Just Blue
		78-88	Sky Blue
		68-77	Lavender
		62-67	Light Lavender
		49-61	Pink Carnation
		46-48	Medium Pink
		45	Light Pink
		35-44	Sunrise Red
		32-34	Dark Amber
		31	Gold Amber
		30	Medium Amber
		29	Fire
		27-28	Surprise Peach
		23-26	Straw Tint
		20-22	Medium Yellow
		19	Black
		18	White 5000 K
		17	White 3700 K
		16	White 7000 K
		15	Magenta
		14	Yellow
		13	Cyan

		12	Blue
		11	Green
		10	Red
		0-9	Macro color OFF
14	Zoom	0-255	NARROW BEAM - WIDE BEAM
15	Reset	0-127	UNUSED RANGE
		128-255	COMPLETE RESET
16	Control	0-255	Control
17	Effect	0	CLOSED
		1-100	Wave
		101-200	Dream
		201-255	CLOSED

CHANNEL DESCRIPTION (12 CHANNEL):

CH	FUNCTION	VALUE	DESCRIPTION
1	Pan	0-255	Pan
2	Pan Fine	0-255	Pan Fine
3	Tilt	0-255	Tilt
4	Tilt Fine	0-255	Tilt Fine
5	P/T Speed	0-255	P/T Speed
6	Hue	0-255	Hue
7	Saturation	0-255	Saturation
8	Intensiyt	0-255	Intensiyt
9	Strobe	0-255	SLOW STROBE - FAST STROBE
10	Zoom	0-255	NARROW BEAM - WIDE BEAM
11	Control	0-255	Control
12	Reset	0-127	UNUSED RANGE
		128-255	COMPLETE RESET

CLEANING AND MAINTENANCE

⚠ C A U T I O N
Disconnect power before cleaning or maintenance.

CLEANING

Frequent cleaning is recommended to insure proper function, optimized light output, and an extended life. The frequency of cleaning depends on the environment in which the fixture operates: damp, smoky or particularly dirty environments can cause greater accumulation of dirt on the fixture's optics.

- Clean the external lens surface at least every 20 days with a soft cloth to avoid dirt/debris accumulation.
- Never use alcohol, solvents, or ammonia based cleaners.

MAINTENANCE

Regular inspections are recommended to insure proper function and extended life. There are no user serviceable parts inside this fixture, please refer all other service issues to an authorized service technician. Should you need any spare parts, please order genuine parts from your local dealer.

Please refer to the following points during routine inspections:

- A detailed electric check by an approved electrical engineer every three months, to make sure the circuit contacts are in good condition and prevent overheating.

- Be sure all screws and fasteners are securely tightened at all times. Lose screws may fall out during normal operation resulting in damage or injury as larger parts could fall.
- Check for any deformations on the housing, color lenses, rigging hardware and rigging points (ceiling, suspension, trussing). Deformations in the housing could allow for dust to enter into the fixture. Damaged rigging points or unsecured rigging could cause the fixture to fall and seriously injure a person(s).
- Electric power supply cables must not show any damage, material fatigue or sediments. Never remove the ground prong from the power cable.