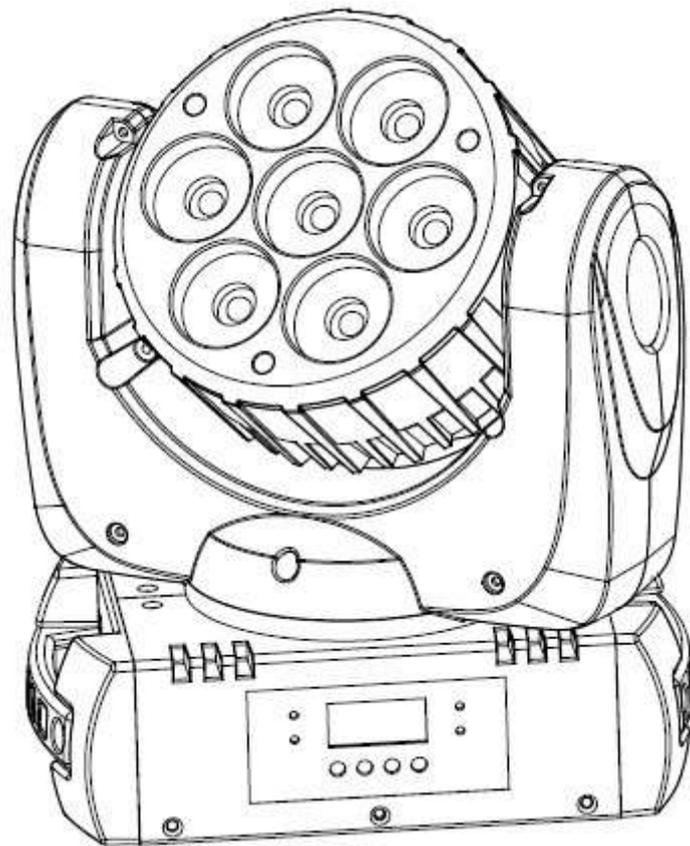




LM-7*12W Moving Head



User Manual

KEEP THIS MANUAL FOR FUTURE NEEDS

1. Dispacking

Thank you for choosing our moving head. For your own safety, please Read this manual before installing the device. This manual covers the important Information on installation and applications. Please install and operate the fixture with following instructions. Meanwhile, please keep this manual well for Future needs.

This moving wash is made of a new type of high temperature strength of engineering plastics and cast aluminum casting with nice outlook. The fixture is designed and manufactured strictly following ISO standards. complying with international standard DMX512 protocol. It's available independently controlled and linkable with each other for operation. And it is applicable for large-scale live performances, theater, studio, nightclubs and discos.

Adopts powerful LED lamps which Osram high brightness and stability. Please carefully dispack it when you receive the fixture and check whether it is damaged during the transportation. and please check whether the following items are included inside the box:

**Moving Head -----one Signal Calbe -----one
User Manual -----one**

2. Safety Instruction

- Please read carefully the instruction, which includes important information about the installation,, usage and maintenance.
- 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.
- Unpack and check carefully there is no transportation damage before using the unit .
<4>before operating, ensure that the voltage and frequency of power supply match the power requirements of the unit.
- It's important to ground the yellow/green conductor to earth in order to avoid electric shock..
- The unit is for indoor use only. Use only in a dry location.
- The unit must be installed in a location with adequate ventilation, at least 50cm from adjacent surfaces. Be sure that no ventilation slots are blocked.
- Disconnect main power before replacement or servicing.

- Make sure there is no flammable materials close to the unit while operating as it is firehazard.
- Use safety cable when fixes this unit. Don't handle the unig by taking its head only, but always by taking its base.
- Maximum ambient temperature is ta:40°C. Don' t operaterature is higher than this.
- Unit surface temperature may reach up to 85°C. DON' t touch the housing bare-hand during its operation. Turn off the power and allow about 15 minutes for the unit to cool down before replacing or serving.
- In the event of serious operating problem, stop using the unig immediately. never try to repair the unit by yourself. Repairs carred out by unskilled people can lead to damage or malfunction .please contact the nearest authorized technical assistance center. always use the same type spare parts.
- Do not touch any wire during operation as high voltage might becausing electric shock.

3. Warning

- To prevent or reduce the risk of electrical shock or fire ,do not expose the unit to rain or moisture.
- Do not open the unit within five minutes after switching off.
- The housing, the lenses, or the ultraviolet filter must be replaced if they are visibly damaged.

Caution:

There are no user serviceable parts inside the unit. Do not open the housing or attempt any repairs yourself. In the unlikely event your unit may require service, please contact your nearest dealer.

Installation

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 and has no one pass by or under it.

4.Operation Instrutions

The moving head is an LED wash light for onsite decoration purpose. Don't turn on the fixture if it's been through severe temperature difference like after transportation because it might damage the light due to the environment changes. So make sure to operate the fixture until it is in normal temperature.

This light should be keep away from strong shaking during any transportation or movement.

Don't pull up the light by only the head, or it might cause damages to the

mechanical parts.

Don't expose the fixture in overheat, moisture or environment with too much dust when installing it. And don't lay any power cables on the floor. Or it might cause electronic shock to the people.

Make sure the installation place is in good safety condition before installing the fixture.

Make sure the installation place is in good safety condition before installing the fixture.

Make sure to put the safety chain and check whether the screws are screwed properly when installing the fixture.

Make sure the lens are in good condition. It's recommended to replace the units if there are any damages or severe scratch.

Make sure the fixture is operated by qualified personnel who knows the fixture before using.

Keep the original packages if any second shipment is needed.

Don't try to change the fixtures without any instruction by the manufacturer or the appointed repairing agencies.

It is not in warranty range if there are any malfunctions from not following the user manual to operate or any illegal operation, like shock short circuit ,electronic shock, lamp broke, etc.

5.Installation via clamp installation

Screw one clamp each via a M8 screw and nut onto the holders.

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. install the second holder.

Pull the safety-rope through the holes on the bottom of the base and over the trussing system or a safe fixation spot. insert the end in the carabine and tighten the safety screws.

7. Technical specification

- Extremely small, fast and powerful led moving beam.
- DMX channels:6/13/37
- Tilt:270° , speed adjustable
- Smooth electronic dimming:0-100%
- Electronic strobe with pulse and random effects
- Optional easy controller CA-8 or CA-9 RTX for instant lighting shows at your fingertips
- High efficiency, low power consumption
- Super compact, low weight

Voltage:100~240V, 50/60HZ

Fuse: 5A_ (5*20MM)

Power consumption:150W (24V 2A, 9V 12A)

Light source: OSRAM 12W 1ED*7(R G B W)

Dimension:304mm*267mm*167mm

Weight:6.2kg

6.DMX512 control connectons

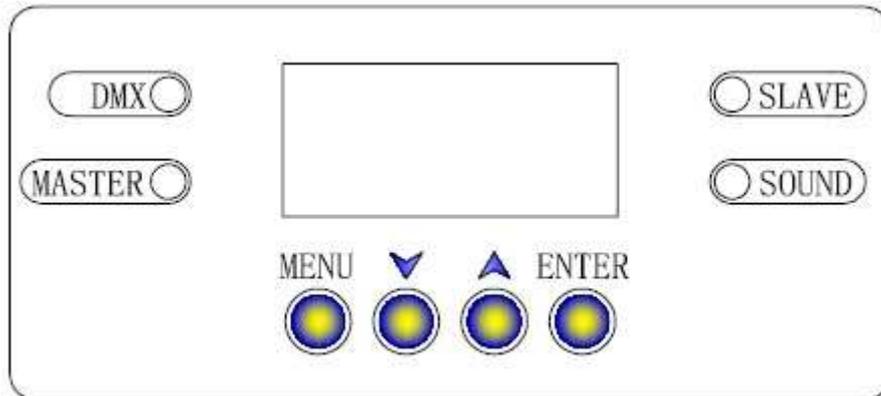
Connect the provided XLR cable to the female 3-pin XLR output of your controller and the other side to the male 3-pin XLR input of the moving head. You can chain multiple

Moving head together through serial linking. The cable needed should be two core, screened cable with XLR input and output connectors.

DMX512 connection with DMX terminator

For installations where the DMX cable has to run along 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 120R 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.

2. LCD Display Operations



MENU		
< Address >		0-512
< WorkMod >		Dmx512
		Auto

		Sound
ChanMod		6CH
		13CH
		37CH
TOOL	< Dimm MOD >	Fast
		Smooth
	< Display >	延时 60S
		< ON >
< PT Sett >	< X revise >	0-255
	< Y revise >	0-255
	< X reverse >	< YES >
		< No >
	< Y reverse >	< YES >
		< No >
	< XY Trade >	< OFF >
		< No >
	< XY speed >	< XY fast >
		< XY norm >
< XY slow >		
< Control >	< CH1-CH40 >	0-255
< DmxLive >	< CH1-CH40 >	0-255
< RGBwhit >	< White SW >	< OFF >
		< ON >
	< WhitR >	0-255
	< WhitG >	0-255
	< WhitB >	0-255
<Info>	< Version >	Xm168_7*12d
< Rest >		OFF
		ON

DMX COTROLLER

6 Channel	13 Channel	37 Channel	DMX value	Function
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				Motor position shutter effect
			0 - 19	Shutter closed
			20-49	Shutter open
			50-64	Strobe 1(fast-slow)
			65-69	Shutter open
			70-84	Strobe 2:opening pulse(fast-slow)
			85-89	Shutter open
			90-104	Strobe 3:closing ppulws(fast-slow)
			105-109	Shutter open
			110-124	Strobe 4: random strobe (fast slow)
			125-129	Shutter open
			130-144	Strobe 5:random opening pulse (fast-slow)
			145-149	Shutter open
			150-164	Strobe 6:random closing pulse (fast slow)
			165-169	Shutter open
			170-184	Strobe 7:burst pulse (fast slow)
			185-189	Shutter open
			190-204	Strobe 8:random burst ppulse (fast slow)
			205-209	Shutter open
			210-224	Strobe 9:sine wave (fast slow)
			225-229	No faction
			230-244	Strobe 10:burst (fast-slow)
			245-255	Shutter open
			0-244	Dimmer
			245-255	0-100/% intensity
1	3	3	0-255	Pan
				Pan fine
	4	4	0-255	Pan fine(Least Signeficant Byte)

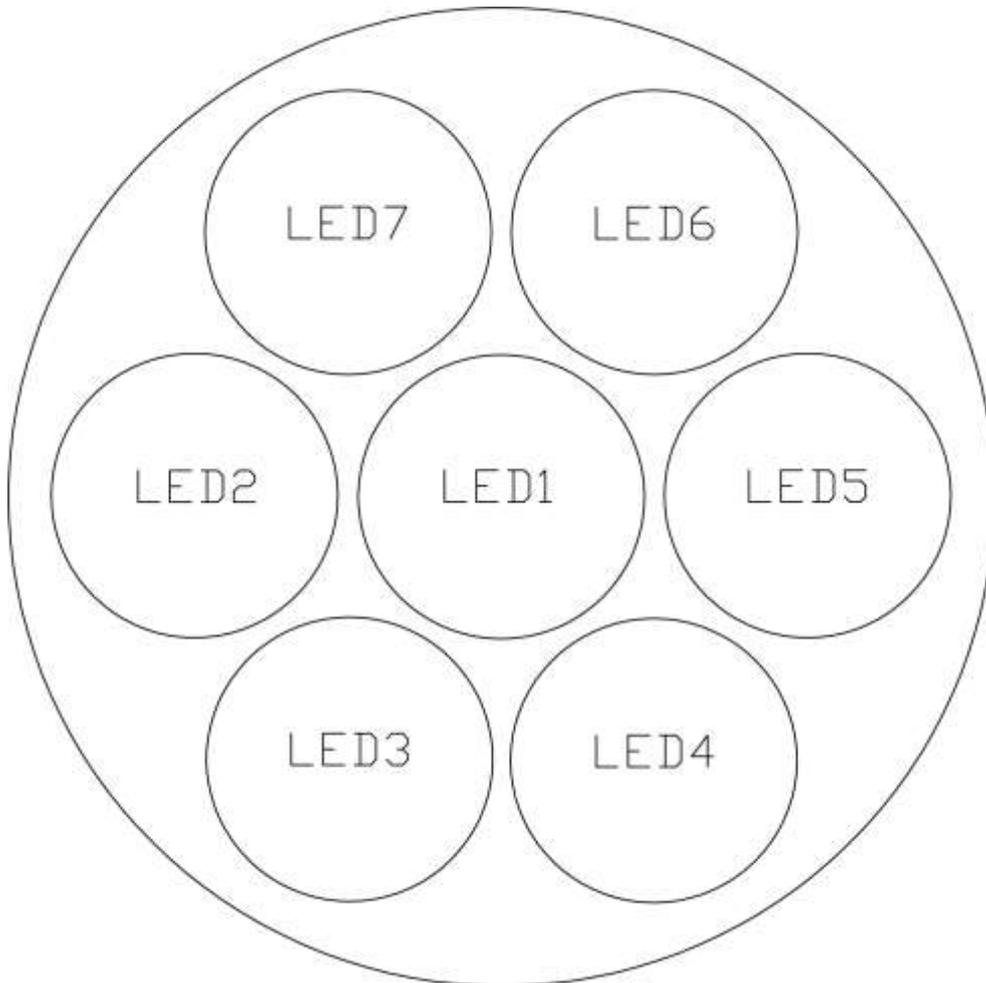
2	5	5	0-255	Tilt	
	6	6		Tilt fine	
			0-255	Tilt fine (Least Significant Byte)	
		7		Pan/Tilt Speed	
			0-255	0-100% Pan/Tilt Speed	
			0-9	No effect	
			10-14	Reset entire fixture1	
			15-249	All lamps control	
			248-255	simple lamp control	
	7		8		Fixture control settings
				0-9	All lamp control
		10-14		Reset entire fixture1	
		15-248		All lamps control	
		249-255		simple Lamp control	
	8	9		Color wheel effect	
			0-9	Open.	
			10-14	LEE 790-Moroccan pink	
			15-19	LEE 157-Pink	
			20-24	LEE 332-Special rose pink	
			25-29	LEE328-Follies pink	
			30-34	LEE 345- Fuchsia pink	
			35-39	LEE 194- Surprise pink	
			40-44	LEE 181-Congo Blue	
			45-49	LEE071-Tolyo blue	
			50-54	LEE 120-Deep Blue	
			55-59	LEE 079 – Just Blue	
			60-64	LEE 132 –Medium Blue	
			65-69	LEE 200-Double CT Blue	

		70-74	LEE 161-Slate Blue
		75-79	LEE 201 –Full CT blue
		80-84	LEE 202 – Half CT BLUE
		85-89	LEE 117-Steel Blue
		90-94	LEE 353 – Lighter Blue
		95-99	LEE 118- Light blue
		100-104	LEE 116 – Medium Blue Green
		105-109	LEE 124 – Dark Green
		110-114	LEE 139 – Primary Green
		115-119	LEE 089 – Moss Green
		120-124	LEE 122-Fern Green
		125-129	LEE 738-JAS Green
		130-134	LEE 088-Lime Green
		135-139	LEE 100 – Spring yellow
		140-144	LEE 104 – Deep Amber
		145-149	LEE 179 – Chrome Orange
		150-154	LEE 105-orange
		155-159	LEE021 – Gold Amber
		160-169	Lee 778 – Millennium Gold
		170-174	LEE 164 – Flame Red
		175 - 179	Open
			Color wheel rotation effect
		180 – 201	Clockwise,fast - slow
		202 - 207	Stop (this will stop wherever the color is at the time)
		208 - 229	Counter – clockwise,slow fst
		230 - 234	Open
		235 - 239	Random color Fast

			240 - 244	Random color Medium
			245 - 249	Random color Slow
			250 - 255	Open
3	9			Led1-7 red
		10	0-255	Led1 red
4	10		0-255	LED1-7Green
		11	0-255	LED1 Green
5	11		0-255	LED1-7 Blue
		12	0-255	LED1 Blue
6	12		0-255	LED1-7 white
	13			Reserver
		13	0-255	LED1 white
		14	0-255	Led2 Red
		15	0-255	Led2 Green
		16	0-255	Led2 Blue
		17	0-255	Led2 white.
		18	0-255	LED3 Red
		19	0-255	LED3 green
		20	0-255	LED3 blue
		21	0-255	LED3 white
		22	0-255	LED4 Red
		23	0-255	LED4 green
		24	0-255	LED4 blue
		25	0-255	LED4 white
		26	0-255	LED5 Red
		27	0-255	LED5 green
		28	0-255	LED5 blue
		29	0-255	LED5 white

		30	0-255	LED6 Red
		31	0-255	LED6 green
		32	0-255	LED6 blue
		33	0-255	LED6 white
		34	0-255	LED7 Red
		35	0-255	LED7 green
		36	0-255	LED7 blue
		37	0-255	LED7 white

Led Lamps position



Electrical Schematic Diagram

