7*40W 4in1 Zoom led moving head
USER MANUEL

User Manual

KEEP THIS MANUAL FOR FUTURE NEEDS

Unpacking

Thank you for choosing 740Zoom Led Mover. 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.

LED740zoom is made of a new type of high temperature strength of engineering plastics and cast aluminum casing with nice outlook. The fixture is designed and manufactured strictly following CE 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.

4-IN-1 LEDs(RGBW) which features high brightness and stability. Please carefully unpack 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 Cable----One
Hanging Bracket-------One   Power Cable----One
User Manual----One

Specifications

Input voltage :100–240 V, 50/60 Hz
Lamp:7pcs 40W Osram 4in1 LEDs
Power consumption: 350W
Beam angle: 5-50 degree
Dimmer: 0-100% dimming
Strobe: 0~20HZ
Control mode : Standard DMX512, Automatic and
Master/ slave mode
Display: LCD display
Housing:Flame-retardant plastic
DMX channel: 12/17CH
IP rate: IP20
Data in/out:3-pin XLR in out
Power in/out: powerCon in out
N.W.:7.5kgs
Carton:1 pc/carton
Flight case: 4in1 flight case

Key Features

40W high power Leds installed.

High efficient optical lens systerm.

5°-50° wide zoom range.

Strong beam effect & Nice wash effect.

Lightweight & compact housing design

Color: RGBW infinite mixture

Dimmer: 0-100% linear dimming system

Display: LCD blue display with Chinese and English language.

Protection: Auto temperature control system with big cooling fan.

Quiet, smooth and fast PAN/TILT movement

Low noise and efficient FAN cooling system

Built-in pre-programs with macro effects.

POWERCON power connector

45℃ max ambient temperature

IP20 protection rating

3-Pin XLR DMX input/output

Function: With LED shutter, scan position memory and auto reposition.

LED rainbow effect.

Perfectly suitable for stage, theatre, TV studio, rental, DISCO and more

Maintenance and Cleaning

The following points have to be considered during the inspection:

1. All screws for installing the devices or parts of the device have to be tightly connected and must not be corroded. 2. There must not be any deformations on the housing, color lenses, fixations and installation spots (ceiling, suspension, trussing). 3. Mechanically moved parts must not show any traces of wearing and must not rotate with unbalances. 4. The electric power supply cables must not show any damage, material fatigue or sediments.

Further instructions depending on the installation spot and usage have to be adhered by a skilled installer and any safety problems have to be removed.

CAUTION!
Disconnect from mains before starting maintenance operation.

In order to make the lights in good condition and extend the life time, we suggest a regular cleaning to the lights.

1) Clean the inside and outside lens each week to avoid the weakneness of the lights due to accumulation of dust.

2) Clean the fan each week.

3) A detailed electric check by approved electrical engineer each three month, make sure that the circuit contacts are in good condition, prevent the poor contact of circuit from overheating.

We recommend a frequent cleaning of the device. Please use a moist, lint- free cloth. Never use alcohol or solvents.There are no serviceable parts inside the device. Please refer to the instructions under "Installation instructions".Should you need any spare parts, please order genuine parts from your local dealer.

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.

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.

This device falls under protection-class I. Therefore it is essential that the device be earthed.

The electric connection must carry out by qualified person.

The device shall only be used with rate voltage and frequency.

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.

Always disconnect from the mains, when the device is not in use or before cleaning it. Only handle the power cord by the plug. Never pull out the plug by tugging the power cord.

During initial start-up some smoke or smell may arise. This is a normal process and does not necessarily mean that the device is defective, it should decrease gradually.

Please don't project the beam onto combustible substances.

Fixtures cannot be installed on combustible substances, keep more than 50cm distance with wall for smooth air flow, so there should be no shelter for fans and ventilation for heat radiation.

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.

Operation Instructions

-The moving head is for wash & Beam effect for on-site 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 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.
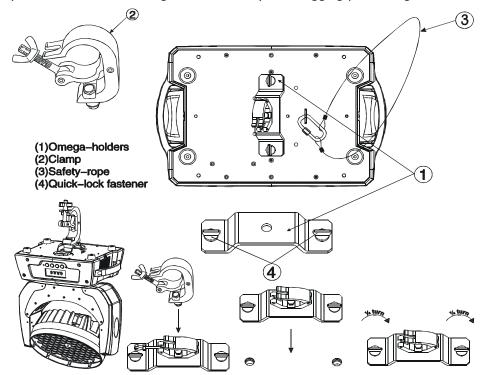
Mounting and Installation

Cautions: For added protection mount the fixtures in areas outside walking paths, seating areas, 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.

Clamp Mounting: The mover 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 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

(1)Omega-holders
(2)Clamp
(3)Safety-rope
(4)Quick-lock fastener

Photometric Data

LUX Data of 5degree beam angle:

	1	3	5	7
R	7200LUX	1900LUX	1000LUX	620LUX
G	14800LUX	3900LUX	1900LUX	1200LUX
B	14800LUX	3950LUX	1950LUX	1200LUX
W	15200LUX	3850LUX	1950LUX	1200 LUX
RGBW	41100LUX	10000LUX	4600LUX	2550LUX

LUX Data of 50degree beam angle:
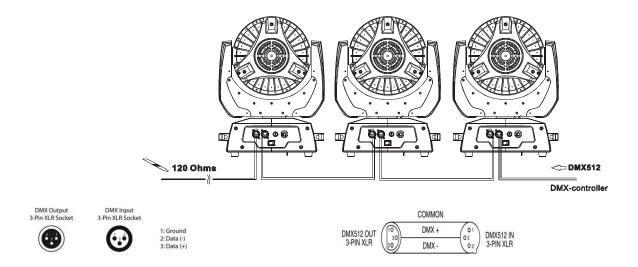
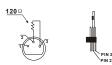| R	2150 LUX	310 LUX	200 LUX	110 LUX
G	3150 LUX	100 LUX	350 LUX	180 LUX
B	3050 LUX	710 LUX	350 LUX	200 LUX
W	3350 LUX	700 LUX	320 LUX	200 LUX
RGBW	12600 LUX	2000 LUX	1200 LUX	700 LUX

DMX-512 control connections

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 heads be connected 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-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 Ω 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.

Display chart

MAIN MENU	2ND MENU		3RD MUNE	DATA
DmxAddr	001 - 512			
Fix Set	Ch Mode		STD/HIS	
	Run Mode		DMX/Host	
	Pan Inv		Close/Open	
	Tilt Inv		Close/Open	
Manual	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		Cance/Run	
	Factory		Cance/Run	
Display	Language		EN/CH	
	DispFlip		Open/Close	
	DispMode		Show/60s	

DMX Chart

STANDARD 17CH				
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

HSI 12CH			
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