12*40W 4in1 Zoom led Bar
USER MANUEL

User Manual

KEEP THIS MANUAL FOR FUTURE NEEDS

Unpacking

Thank you for choosing 1240Zoom 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:

Lamp---------One   Signal Cable----One
Hanging Bracket-------Two   Power Cable----One
User Manual----One

Specifications

Item number:ELB-12X40W
Power Supply: AC 90-260V, 50/60Hz
LED : 12PCS *40W RGBW 4IN1 LED
Dimmer:0-100% linear dimmer
Zoom range 3-40°
Two independent zoom zones
Tilt moving angle: 90°/16bit
Strobe: 1-25Hz
Life Span: 100000hrs
Control Mode: DMX512, master-slave, sound, auto
DMX Channels:21/52/62/16CHs
Display: LCD Menu Display
Power :PowerCon connection in & out
DMX : 3pin or 5pin in & out
Protect Rate: IP20
Housing: Cast aluminum
N. W.: 15 kg
G. W.: 17kg
Dimension: 1020*100*300mm
Carton package: 1100*180*355mm

Key Features

40W high power Leds installed.

High efficient optical lens systerm.

3-40degree wide zoom range.

Nice beam effect & Nice wash effect.

Color: RGBW mixture

Dimmer: 0-100% linear dimming system

Display: LCD Menu Display

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&5-Pin XLR DMX input/output

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 weakness 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.

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.
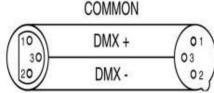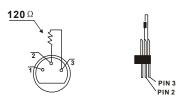
DMX-512 connection with DMX terminator

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

12x40w zoom bar			
Version : V1.00			
Address	1-512		
RUN	DMX512		
	Auto		
	Sound		
DMX MODE	CH16		
	CH21		
	CH52		
	CH64		
TEST	ALL		
SET		DISPLAY	No/Yes
		Signal Keep	No/Yes
		Slave	No/Yes
INFO	Version	Vx.xx	
	Tilt		
	ZOOM1		
	ZOOM2		
MANUAL	Red		
	Green		
	Blue		
	Strobe		
RESET	All Reset	No/Yes	

DMX channel(16/64/21/52CH)

16CH	Function	DMX Value	Description
1	Tilt	0-255	0-100%
2	Tilt Fine	0-255	0-100%
3	Zoom1	0-255	0-100%
4	Zoom2	0-255	0-100%
5	Dimmer	0-255	0-100%
6	Strobe	0-19	No Effect
6	Strobe	20-255	Strobe slow to fast
7	Red	0-255	0-100%
8	Green	0-255	0-100%
9	Blue	0-255	0-100%
10	White	0-255	0-100%
11	Color Macro	0-10	No Function
11	Color Macro	11-30	R 100%,G 50-100-50%,B 0
11	Color Macro	31-50	R 100%-0,G 100%, B,0
11	Color Macro	51-70	R 0,G 100%,B 0-100%
11	Color Macro	71-90	R 0,G 100%-0,B 100%
11	Color Macro	91-110	R 0-100%, G 0, B 100%
11	Color Macro	111-130	R 100%,G 0, B 100%-0
11	Color Macro	131-150	R 100% ,G 0-100% ,B 0-100%
11	Color Macro	151-170	R 100%-0 , G 100%-0 , B 100%
11	Color Macro	171-200	R 100%,G 100%, B 100%
11	Color Macro	201-205	Color 1
11	Color Macro	206-210	Color 2
11	Color Macro	211-215	Color 3
11	Color Macro	216-220	Color 4
11	Color Macro	221-225	Color 5
11	Color Macro	226-230	Color 6
11	Color Macro	231-235	Color 7
11	Color Macro	236-240	Color 8
11	Color Macro	241-245	Color 9
11	Color Macro	246-250	Color 10
11	Color Macro	251-255	Color 11

12	Foreground Dimmer	0-255	0-100%
13	Background	0-10	No Function
		11-255	Background Color
14	Background Dimmer	0-255	0-100%
15	Show	0-10	No Function
		11-15	Show1
		16-20	Show2
		21-25	Show3
		26-30	Show4
		31-35	Show5
		36-40	Show6
		41-45	Show7
		46-50	Show8
		51-55	Show9
		56-60	Show10
		61-65	Show11
		66-70	Show12
		71-75	Show13
		76-80	Show14
		81-85	Show15
		86-90	Show16
		91-95	Show17
		96-100	Show18
		101-105	Show19
		106-110	Show20
		111-115	Show21
		116-120	Show22
		121-125	Show23
		126-130	Show24
		131-135	Show25
		136-140	Show26
		141-145	Show27
		146-150	Show28
		151-155	Show29
		156-160	Show30

		161-165	Show31
		166-170	Show32
		171-175	Show33
		176-180	Show34
		181-185	Show35
		186-190	Show36
		191-195	Show37
		196-200	Show38
		201-205	Show39
		206-210	Show40
		211-215	Show41
		216-220	Show42
		221-235	Show43
		236-245	Sound1
		246-255	Sound2
16	Show Speed	0-127	Show Speed Slow to Fast &XY
		128-254	Show Speed Slow to Fast
		255	reset

64CH	Function	DMX Value	Description
1	Tilt	0-255	0-100%
2	Tilt Fine	0-255	0-100%
3	Zoom1	0-255	0-100%
4	Zoom2	0-255	0-100%
5	Dimmer	0-255	0-100%
6	Strobe	0-19	No Effect
		20-255	Strobe slow to fast
7	Red	0-255	0-100%
8	Green	0-255	0-100%
9	Blue	0-255	0-100%
10	White	0-255	0-100%
11	Color Macro	0-10	No Function
		11-30	R 100%,G 50-100-50%,B 0
		31-50	R 100%-0,G 100%, B,0
		51-70	R 0,G 100%,B 0-100%

		71-90	R 0,G 100%-0,B 100%
		91-110	R 0-100%, G 0, B 100%
		111-130	R 100%,G 0, B 100%-0
		131-150	R 100% ,G 0-100% ,B 0-100%
		151-170	R 100%-0 , G 100%-0 , B 100%
		171-200	R 100%,G 100%, B 100%
		201-205	Color 1
		206-210	Color 2
		211-215	Color 3
		216-220	Color 4
		221-225	Color 5
		226-230	Color 6
		231-235	Color 7
		236-240	Color 8
		241-245	Color 9
		246-250	Color 10
		251-255	Color 11
12	Foreground Dimmer	0-255	0-100%
13	Background	0-10	No Function
		11-255	Background Color
14	Background Dimmer	0-255	0-100%
15	Show	0-10	No Function
		11-15	Show1
		16-20	Show2
		21-25	Show3
		26-30	Show4
		31-35	Show5
		36-40	Show6
		41-45	Show7
		46-50	Show8
		51-55	Show9
		56-60	Show10
		61-65	Show11
		66-70	Show12
		71-75	Show13

			76-80	Show14
			81-85	Show15
			86-90	Show16
			91-95	Show17
			96-100	Show18
			101-105	Show19
			106-110	Show20
			111-115	Show21
			116-120	Show22
			121-125	Show23
			126-130	Show24
			131-135	Show25
			136-140	Show26
			141-145	Show27
			146-150	Show28
			151-155	Show29
			156-160	Show30
			161-165	Show31
			166-170	Show32
			171-175	Show33
			176-180	Show34
			181-185	Show35
			186-190	Show36
			191-195	Show37
			196-200	Show38
			201-205	Show39
			206-210	Show40
			211-215	Show41
			216-220	Show42
			221-235	Show43
			236-245	Sound1
			246-255	Sound2
16	Show Speed		0-127	Show Speed Slow to Fast &XY
			128-254	Show Speed Slow to Fast
			255	reset

17	White1	0-255	0-100%
:			

21CH	Function	DMX Value	Description
1	Tilt	0-255	0-100%
2	Tilt Fine	0-255	0-100%
3	Zoom1	0-255	0-100%
4	Zoom2	0-255	0-100%
5	Dimmer	0-255	0-100%
6	Strobe	0-19	No Effect
		20-255	Strobe slow to fast
7	1 Color Select	0-10	No Function
		11-25	Red
		24-40	Green
		41-55	Blue
		56-70	White
		71-85	R +G
		86-100	R+B
		101-115	G+B
		116-130	R+W
		131-145	G+W
		146-160	B+W
		161-175	R+G+W
		176-190	R+B+W
		191-205	G+B+W
		206-255	R+G+B+W
:			
18	12 Color Select	0-10	No Function
		11-25	Red
		24-40	Green
		41-55	Blue
		56-70	White
		71-85	R +G
		86-100	R+B
		101-115	G+B

		116-130	R+W
		131-145	G+W
		146-160	B+W
		161-175	R+G+W
		176-190	R+B+W
		191-205	G+B+W
		206-255	R+G+B+W
19	Background Dimmer	0-255	0-100%
20	Show	0-10	No Function
		11-15	Show1
		16-20	Show2
		21-25	Show3
		26-30	Show4
		31-35	Show5
		36-40	Show6
		41-45	Show7
		46-50	Show8
		51-55	Show9
		56-60	Show10
		61-65	Show11
		66-70	Show12
		71-75	Show13
		76-80	Show14
		81-85	Show15
		86-90	Show16
		91-95	Show17
		96-100	Show18
		101-105	Show19
		106-110	Show20
		111-115	Show21
		116-120	Show22
		121-125	Show23
		126-130	Show24
		131-135	Show25
		136-140	Show26

		141-145	Show27
		146-150	Show28
		151-155	Show29
		156-160	Show30
		161-165	Show31
		166-170	Show32
		171-175	Show33
		176-180	Show34
		181-185	Show35
		186-190	Show36
		191-195	Show37
		196-200	Show38
		201-205	Show39
		206-210	Show40
		211-215	Show41
		216-220	Show42
		221-225	Show43
		226-230	Show44
		231-235	Show45
		236-245	Sound1
		246-255	Sound2
21	Show Speed	0-127	Show Speed Slow to Fast &XY
		128-254	Show Speed Slow to Fast
		255	reset

52CH	Function	DMX Value	Description
1	Tilt	0-255	0-100%
2	Tilt Fine	0-255	0-100%
3	Zoom1	0-255	0-100%
4	Zoom2	0-255	0-100%
5	Red1	0-255	0-100%
6	Green1	0-255	0-100%
7	Blue1	0-255	0-100%
8	White1	0-255	0-100%

9	Red2	0-255	0-100%
10	Green2	0-255	0-100%
11	Blue2	0-255	0-100%
12	White2	0-255	0-100%
...	……	…	…