

6*40W 4in1 Zoom led Bar

USER MANUEL



User Manual

KEEP THIS MANUAL FOR FUTURE NEEDS

Unpacking

Thank you for choosing 640Zoom 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

voltage AC100-240V 50/60Hz
LED S: 6 x 40W 4in1 RGBW LED
Average lifetime≥50000H
Each led can be controlled individually
Zooming angle 4°-37°
Control Mode: RDM,DMX512, Auto run,
Master slave, Sound active
Dimmer: 0-100% Smooth linear LED dimmer
Display LCD display
Tilt 270°(8bit/16bit precision scanning)
Color: Homogeneous RGBW macros
color and,wonderful rainbow effect
Channel: 16CH/36CH
Power Connectors: Power connect Powercon in&out
DMX Connectors: 3-pin & 5-pin DMX input/output
Light Housing: Durable plastic composite housing
Strobe: Fast electric strobe 1 ~ 20 Hz
Packing Size: 59x20x39CM
GW: 10.65kg NW: 9.35kg

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

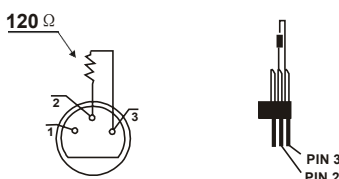
Connect the provided XLR cable to the female 3-pin XLR output of your controller and the other side to the male 3-pin XLR input of the moving head. You can chain multiple

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

main menu	Submenu	Menu Function Description
1、System settings	1. DMA address	Modify the DMA address code up or down (with an optional range of 001-512), confirm to save, and default to 001.
	2. Encoder	Modify the encoder on/off up or down, save with the confirm button, and default to on.
	3. X Invert	Modify X up or down to reverse on/off, confirm to save, default to off.
	4. Y Invert	Modify Y up or down to reverse on/off, confirm to save, default to off.
2、Operating mode	1. Operating mode	Select the operation mode up or down, such as DMA/voice control/automatic, and press the confirm button to save. The default mode is DMA.
	2. Channel selection	Select channels 16A/36B up or down, confirm to save, default to 16A.
3、manual	1、X	Modify the operating parameter values of X motor up or down (adjustable range 000-255), confirm and save, default to 000.
	2、Y	Modify the operating parameter values of the Y motor up or down (adjustable range 000-255), confirm and save, default to 128.
	3. Focusing	Modify the operating parameter values of the focusing motor up or down (adjustable range 000-255), confirm and save, default to 255.
	4. Mode	Modify the mode parameter values up or down (adjustable range 000-255), confirm to save, default to 000.
	5. Strobe	Modify the strobe parameter value up or down (adjustable range 000-255), confirm to save, default to 000.
	6. Speed	Modify the speed parameter value up or down (adjustable range 000-255), confirm to save, default to 000.
	7. Red	Modify the brightness of the red light bead up or down (adjustable range 000-255), confirm to save, default to 255.
	8. Green	Modify the green light bead brightness up or down (adjustable range 000-255), confirm to save, default to 255.
	9. Blue	Modify the brightness of the blue light bead up or down (adjustable range 000-255), confirm to save, default to 255.
	10. White	Modify the brightness of the white light bead up or down (adjustable range 000-255), confirm to save, default to 255.
4、Display Settings	1. Language selection	Select Chinese/EN (English) up or down, confirm to save, default to Chinese.
	2. Invert Settings	Select up or down to turn off/on the inverted display setting, confirm to save, default to off.
	3. Screensaver	Select Close/Open screensaver up or down, and press OK to save it. It is on by default.
	4. Software version	The identity code of the 03VA program cannot be modified.

5、Factory settings	Please enter password for display! Change up or down to 138, then press the confirm button to enter the factory settings。	1. X-axis calibration	Modify the parameters up or down (range 000-255), confirm and save, default to 128.
		2. Y-axis calibration	Modify the parameters up or down (range 000-255), confirm and save, default to 128.
		3. Focusing calibration	Modify the parameters up or down (range 000-255), confirm and save, default to 128.
		4. Red	Modify the red light bead current (032-255) up or down, confirm to save, default to 220.
		5. Green	Modify the green light bead current (032-255) up or down, confirm to save, default to 220.
		6. Blue	Modify the blue light bead current (032-255) up or down, confirm to save, default to 220.
		7. White	Modify the white light bead current (032-255) up or down, confirm to save, default to 220.
		8、 Logo	Select 000/001 up or down, confirm to save, default to 000.
		9. Temperature	Modify the temperature parameters up or down (range 40-70), confirm and save, default to 065.
		10. Temperature - Fan	Select up or down to turn off/on temperature fan control, confirm to save, default to on.

DMX channel(16/36CH)

CH	value	function
1	000-255	Y-axis
2	000-255	Y-axis fine adjustment
3	000-255	Y-axis speed
4	000-255	focusing
5	000-255	Total dimming
6	000-255	Strobe
7	000-255	red
8	000-255	green
9	000-255	blue
10	000-255	white
11	000-255	pattern
12	000-255	speed
13	000-255	Background color
14	000-255	Background tone light
15	000-255	empty
16	000-255	Reset: When the parameter value is between 150 and 255, the entire machine is reset. The control panel parameter value must first be pulled below 10, and then pushed to 150 to 255 to be effective. Parameter values between 000 and 149 are useless and cannot be reset.

CH	value	function
1	000-255	Y-axis
2	000-255	Y-axis fine adjustment
3	000-255	Y-axis speed
4	000-255	focusing
5	000-255	Total dimming
6	000-255	Strobe
7	000-255	Red 1
8	000-255	Green 1
9	000-255	Blue 1
10	000-255	White 1
... 	... 	... 
27	000-255	The 6th red light bead dims linearly.
28	000-255	The 6th green light bead dims linearly.
29	000-255	The 6th blue light bead dims linearly.
30	000-255	The 6th white light bead dims linearly.
31	000-255	pattern
32	000-255	speed
33	000-255	Background color
34	000-255	Background tone light
35	000-255	empty
36	000-255	Reset: When the parameter value is between 250 and 255, the entire machine is reset. The control panel parameter value must first be pulled below 10, and then pushed back to 250 and 255 to be effective. Parameter values between 000 and 249 are useless and cannot be reset.