

10*40W 4in1 Pixel led Bar

USER MANUEL



User Manual

KEEP THIS MANUAL FOR FUTURE NEEDS

Unpacking

Thank you for choosing led bar 10x40W. 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.

It 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-10X40W
Power Supply: AC 90-260V, 50/60Hz
LED : 10PCS *40W RGBW 4IN1 LED
Dimmer:0-100% linear dimmer
Two independent zoom zones
Tilt moving angle: 90°/16bit
Strobe: 1-25Hz
Life Span: 100000hrs
Control Mode: DMX512, master-slave, sound, auto
DMX Channels:14/50CHs
Display: LCD Menu Display
Power :PowerCon connection in & out
DMX : 3pin or 5pin in & out
Protect Rate: IP20
Housing: Cast aluminum
N. W.: 6.5 kg
G. W.: 9kg
Dimension: 1000*90*230mm

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

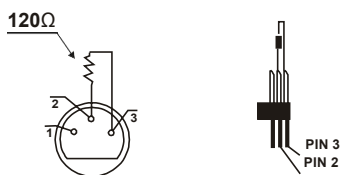
Connect the provided XLR cable to the female 3-pin XLR output of your controller and the other side to the male 3-pin XLR input of the moving head. You can chain multiple

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

Adress	001-512	
Auto	Auto1	Speed(01-16)
	Auto2	
	...	
	Auto6	
	Auto7	
Sound	Sound1	Speed(01-09)
	Sound2	
DMX	14CH	
	50CH	
Test	Led testing	
Version	10KY-V1.05	

DMX channel(14/50CH)

14CH	Function	DMX Value	Description
1	Tilt	0-255	
2	Tilt Fine	0-255	
3	Dimmer	0-255	0-100%
4	Strobe	0-19	No Effect
		20-255	Strobe slow to fast
5	Red	0-255	0-100%
6	Green	0-255	0-100%
7	Blue	0-255	0-100%
8	White	0-255	0-100%
9	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
10	Background	0-10	No Function
		11-255	Background Color
11	Background Dimmer	0-255	0-100%
12	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
13	Show Speed	0-255	Show Speed Slow to Fast
14	Function	0-99	No Function
		100-119	Motor Reset
		120-255	No Function

50CH	Function	DMX Value	Description
1	Tilt	0-255	
2	Tilt Fine	0-255	
3	Dimmer	0-255	0-100%
4	Strobe	0-19	No Effect
		20-255	Strobe slow to fast
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%
...
37	Red9	0-255	0-100%
38	Green9	0-255	0-100%
39	Blue9	0-255	0-100%
40	White9	0-255	0-100%
41	Red10	0-255	0-100%

42	Green10	0-255	0-100%
43	Blue10	0-255	0-100%
44	White10	0-255	0-100%
45	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
46	Background	0-10	No Function
		11-255	Background Color
47	Background Dimmer	0-255	0-100%
48	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
49	Show Speed	0-125	Show Speed fast to slow
		126-130	stop
		131-255	Show Speed slow to fast
50	Function	0-99	No Function
		100-119	Motor Reset
		120-255	No Function

