



# 36\*18 6IN1 ZOOM LED MOVING HEAD

## User Manual



## 1. Unpacking

Thank you for choosing LED ZOOM 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.

LED ZOOM3610w 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	

## 10. Specifications

Input Voltage: AC90-260V 50/60Hz

LED Quantities: 36PCS18W 6-IN-1 LEDs (R, G, B, W,A,UV)

Control Signal: DMX512, master-slave and sound activated or auto operation

Control Channel:14/18DMX channels

Power Consumption:450 W

Dimensions: 332(D)\*235(W)\*445(H)mm

Packing Dimensions:425(D)\*295(W)\*400(H)mm

Net Weight: 9kg

Gross Weight: 11kg

## 11. 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.

## 14 CHs

CH	VALUE	FUNCTION
1	0-255	Dimmer
2	0-255	R
3	0-255	G
4	0-255	B
5	0-255	W
6	0-255	A
7	0-255	UV
8	0-255	Color mixing
9	0-255	X
10	0-255	Y
11	0-255	X (16Bit)
12	0-255	Y (16Bit)
13	0-255	XY SPEED
14	0-255	ZOOM

## 8.Key Features

36PCS 18W 6-IN-1 LEDs (R,G,B,W,A,UV)  
60,000 hours life span for LEDs and low power consumption  
Intelligent temperature sensor for LEDs(over heat protection)  
Zoom:10-60degree  
0-100% smooth linear dimmer with flicker free  
20t/s strobe effect with variable speed  
Pre-programmed random strobe and pulse effects  
Built-in programs with macro effects  
DMX512, master-slave and sound activated controllable or auto operation  
Quiet, smooth and fast PAN/TILT movement  
Low noise and efficient FAN cooling system  
540° PAN and 270° TILT movement  
Scan position memory, auto reposition after unexpected movement  
Compact size with only 4.9KG body and 310mm in height  
IEC power connector  
45°C max ambient temperature  
IP20 protection rating  
3-Pin XLR DMX input/output

## 2. Safety Instructions



### CAUTION!

Be careful with your operations. With a dangerous voltage you can suffer a dangerous electric shock when touching wires!

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.



### Important:

*Damages caused by the disregard of this user manual are not subject to warranty. The dealer will not accept liability for any resulting defects or problems.*

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.

## 3. Operation Instructions

-The moving head is for wash 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.

## 4. 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.

17	0-255	Color changing with different speed (CH 14 value 91-210)
	0	No function
	1~20	R255 G↑ B0 W0 A0 UV0
	21~40	R↓ G255 B0 W0 A0 UV0
	41~60	R0 G255 B↑ W0 A0 UV0
	61-80	R0 G↓ B255 W0 A0 UV0
	81-100	R↑ G0 B255 W0 A0 UV0
	101-120	R255 G0 B↓ W0 A0 UV0
	121-140	R255 G↑ B↑W0 A0 UV0
	141-160	R↓ G↓ B255 W0 A0 UV0
	161-170	R255 G255 B255 W255 A0 UV0
	171-200	R0 G0 B0 W0 A0 Y0
	201-205	R242 G204 B5 W227 A0 UV0
	206-210	R242 G215 B5 W227 A0 UV0
	211-215	R255 G255 B50 W255 A0 UV0
	216-220	R255 G255 B90 W255 A0 UV0
	221-225	R255 G255 B118 W255 A0 UV0
226-230	R255 G255 B132 W255 A0 UV0	
231-235	R255 G255 B151 W255 A0 UV0	
236-240	R255 G255 B171 W255 A0 UV0	
241-245	R255 G255 B185 W255 A0 UV0	
246-250	R255 G255 B197 W255 A0 UV0	
251-255	R255 G255 B234 W255 A0 UV0	
18	250-255	RESET AFTER 3 SECOND

## 7. DMX Channels

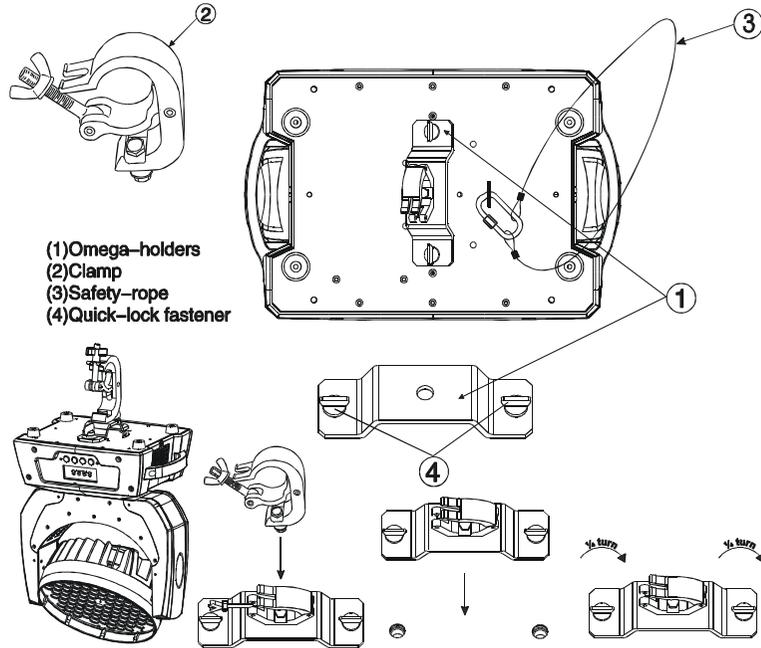
↙ 18 CHs

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7	0-255	UV
8	0-255	Color mixing
9	0-255	X
10	0-255	Y
11	0-255	X (16Bit)
12	0-255	Y (16Bit)
13	0-255	XY speed
14	0-255	ZOOM
15	0	No function
	1-255	strobe
16	0	NO MACRO
	1~25	DMX fade on
	26-50	DMX fade off
	51-90	Macro color
	91-130	Color change 1
	131-170	Color change 2
	171-210	Color change 3
	211-250	In-program 1 (uncontrol)
251-255	Sound active (uncontrol)	

Never stand directly below the device when mounting, removing, or servicing the fixture from a periodic safety inspection of all installation material and the fixture. If you lack these qualifications, do not attempt the installation yourself. Improper installation can result in bodily injury.

Be sure to complete all rigging and installation procedures before connecting the main power cord to the appropriate wall outlet.

**Clamp Mounting:** The LEDBEAM 190w 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

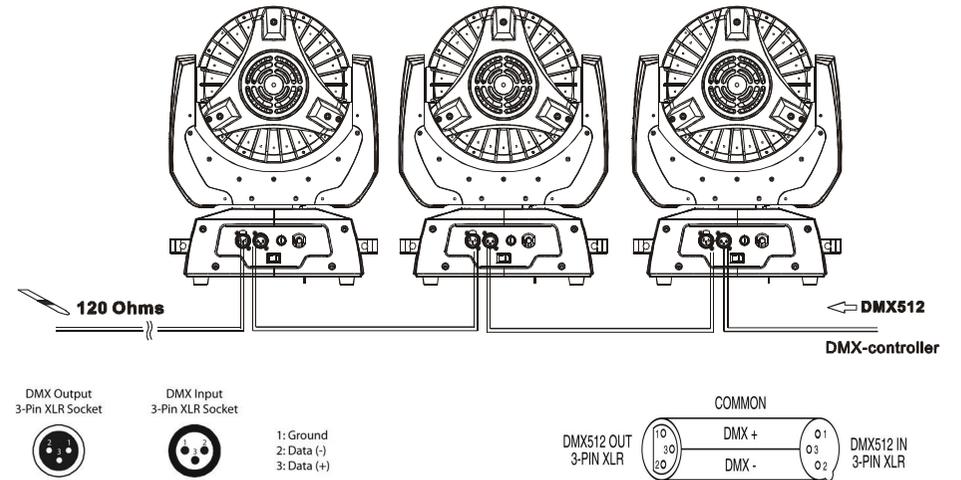


## 5. DMX-512 control connections

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 head 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.

