

# **User Manual**

## **LED Image-100**



**Check that the unit has not been damaged during transport**



Read all cautions and warnings  
prior to operation of this  
equipment

### **Protection Against Fire**



**Fire**

1. Maintain a minimum of 1 50cm distance from any type of flame
2. Replace fuse only with the specified type and rating
3. Do not install the unit to close a heat source
4. Make sure cable are properly secured away from unit movement
5. Maximum surface operating temperature 80°

### **Protection Against Electrical**



**Electrical**

1. Disconnect power before servicing
2. The unit must be earthed (electronically grounded)

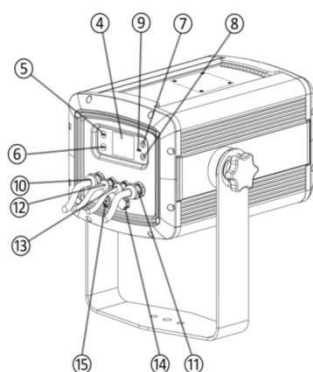
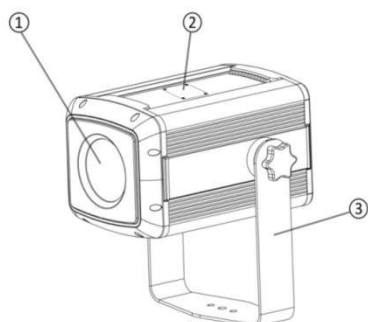
### **Protection Against Mechanical Hazards**



**Mechanical**

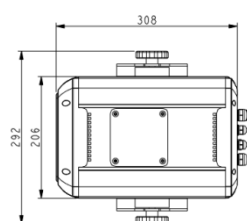
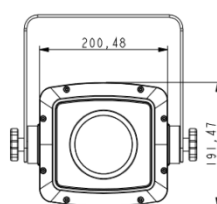
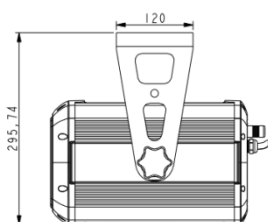
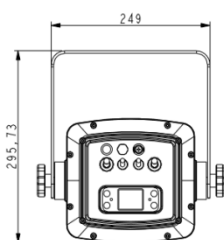
1. Use safety chain when hanging unit
2. Use quality clamps or bolts when positioning unit
3. Do not open unit while it is on, risk of electrical shock

## Fixture Structure



- ① Lens
- ② Gobo replacement window
- ③ Support / Handle
- ④ LCD Display
- ⑤ ESC-Button
- ⑥ Enter-Button
- ⑦ UP-Button
- ⑧ DOWN-Button
- ⑨ DMX Indicator Light
- ⑩ Power IN(3 pin)
- ⑪ Power OUT(3 pin)
- ⑫ DMX IN(3 pin)
- ⑬ DMX OUT(3 pin)
- ⑭ FUSE
- ⑮ Vent Valve

## Dimension (mm):



## Photometric:

Distance(m)	Diameter(cm)	Intensity of the center(lx)	Intensity of the edge(lx)				Average intensity(lx)	Angle(°)	Average Angle(°)
			Up	Down	Left	Right			
3	70	7250	5056	5475	5482	4982	5649	13.3(MIN)	13(MIN)
	153	1562	902	1160	1191	942	1151	28.6(MAX)	
5	113	2667	1784	1946	1842	1715	1991	12.9(MIN)	29(MAX)
	253	544	400	402	409	358	422	28.4(MAX)	

## Technical Information

---

### SOURCE

- Light Source: 100W Color White LED
- Color Temperature: 9200K
- Average LED Life: 20,000 Hour

### POWER

- Input Voltage: 100-240VAC, 50/60Hz
- Power Consumption: 130W max. at full output

### OPTICAL SYSTEM

- Zoom: 13° - 29° linear motorized
- Focus: Auto focus
- Strobe: 0-20Hz variable speed, synchronization, pulse and random strobe
- Dimmer: 0-100% variable linear dimming curves

### COLOR

- 7 Dichoric Colors plus open, Index / Shake / Bi-directional rotating rainbow effect

### ROTATION GOBOS

- 7 inter-changeable glass gobos plus open, Shake / Bi-directional rotating rainbow effect

### CONTROL / CONNECTION

- DMX Channel: 8CH
- Control Mode: DMX, Auto, Sound, Program
- DMX Input: 3-pin Male plug
- DMX Output: 3-pin Female plug

### PHYSICAL

- Body Material: Aluminum
- IP Rate: IP65

### WEIGHT / DIMENSION

- Net Weight: 8.2kg
- Dimension: 340×292×336mm

### Key features

- With fast gobo replacement window
- 7 Dichoric Colors + 7 Rotating Gobos
- 13° - 29° linear motorized zoom
- 0-100% variable linear dimmer
- Light weight and compact design
- Customized gobos available



## Main Power Connection

### Caution!

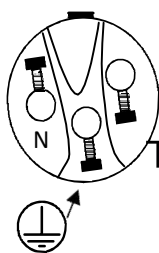
1. Do not connect fixture to a dimmer system.
2. This unit has Autoswitching power supply. It will respond to 110V or 220V automatically
3. This unit must be earthed. (Electronically grounded)
4. Replace fuse only with the specified type and rating.

The occupation of the connection-cable is as follows:

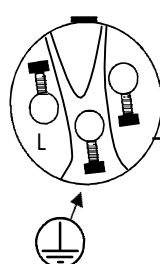
This fixture is equipped with an electronic power supply that will let the unit operate from 90V to 240V from 50Hz to 60Hz

Cable (USA)	Cable (EU)	Pin	110V	220V
Black	Brown	Live	L	L
White	Light Blue	Neutral	N	N
Green	Yellow/Green	Ground		

110V  
Connection



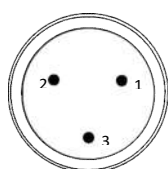
220V  
Connection



## DMX-512 Connection

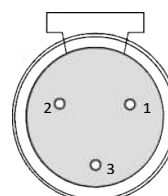
The fixture is equipped with 3 pin XLR Sockets for DMX input and output. The sockets are wired in parallel. Only use a shielded twisted pair cable designed for RS-485 and 3 pin XLR plugs and connectors in order to connect the controller with the fixture or the fixture with another.

DMX—input



1. Shield
2. Signal (-)
3. Signal (+)

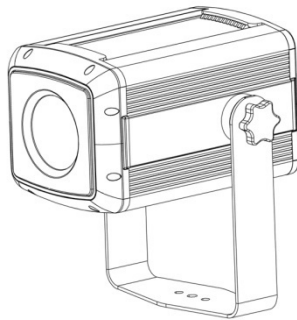
DMX—output



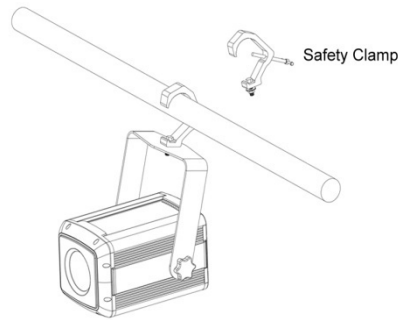
## Mounting & Installation

---

- The fixture can be mounted in any fixed position.
- Always ensure that mounting surface can withstand 10 times the weight of the fixture.
- Always use a safety cable when mounting the fixture in any elevated position.



Stand



Hanging

### Important safety note!

Always use a safety cable when installing this unit!!

Be sure that the safety cable is connected to a solid load-bearing structure.

### Fuse replacement

- Remove the safety cap by a screwdriver.
- Fetch the old fuse from safety cap.
- Install a new fuse.
- Install the safety cap.
- Fuse: 3A

### Display panel

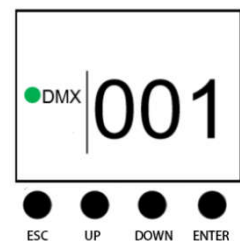
Using the display panel to set the starting DMX address or make other settings. The functions provided are described in the following sections.

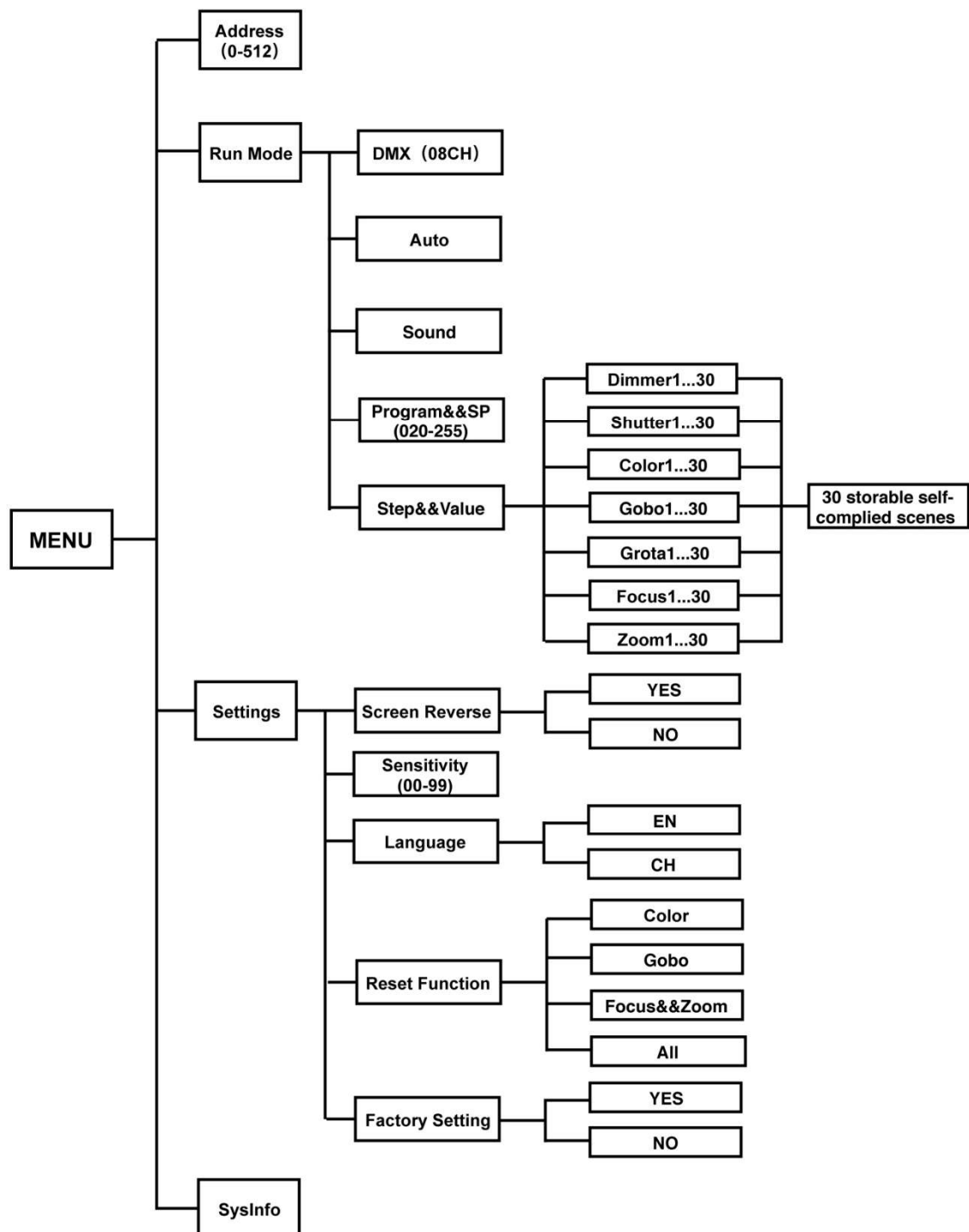
【UP】 Scroll “Up” through the menu list or increase the value of the current function.

【DOWN】 Scroll “Down” through the menu list or decrease the value of the current function.

【ESC】 Exit from the currently selected menu.

【ENTER】 Enter the currently selected menu or confirm the current function value.





## DMX Profile

CH	Function	DMX	Details
1	Dimming	0-255	Linear dimmer from dark to bright
2	Strobe	0-3	Light off
		4-7	Light up
		8-76	Strobe with the same step from slow to fast
		77-145	Strobe with pulse from slow to fast
		146-215	Strobe with random from slow to fast
		216-255	Light up
3	Color Wheel	0-7	Open
		8-15	Color 1
		16-23	Color 2
		24-31	Color 3
		32-39	Color 4
		40-47	Color 5
		48-55	Color 6
		56-63	Color 7
		64-189	Color Index, Manual
		190-220	Forward-directional rainbow effect, from fast to slow
		221-224	Stop
		225-255	Reversed-directional rainbow effect, from slow to fast
4	Gobo Wheel	0-7	Open
		8-15	Gobo 1
		16-23	Gobo 2
		24-31	Gobo 3
		32-39	Gobo 4
		40-47	Gobo 5
		48-55	Gobo 6
		56-63	Gobo 7
		64-71	Gobo 7 shake, from slow to fast
		72-79	Gobo 6 shake, from slow to fast
		80-87	Gobo 5 shake, from slow to fast
		88-95	Gobo 4 shake, from slow to fast
		96-103	Gobo 3 shake, from slow to fast
		104-111	Gobo 2 shake, from slow to fast
		112-119	Gobo 1 shake, from slow to fast
		120-127	Open
		128-189	Forward-directional rainbow effect, from slow to fast
		190-193	Stop
		194-255	Reversed-directional rainbow effect, from slow to fast
5	Gobo Rotation	0-63	Gobo rotation orientation
		64-145	Forward-directional rotation, from fast to slow
		146-149	Stop
		150-231	Reversed-directional rotation, from slow to fast
		232-255	Gobo Rotation, Forward-directional and Reversed-directional rainbow effect
6	Focus	0-255	From far to near
7	Zoom	0-255	From small to big
8	Function Channels	0-7	No function
		8-15	No function
		16-23	No function
		24-31	No function
		32-39	No function
		40-47	No function
		48-55	No function
		56-87	No function
		88-95	No function
		96-111	All channels reset
		112-119	No function
		120-127	No function
		128-135	No function
		136-143	No function
		144-151	No function
		152-159	No function
		160-167	No function
		168-175	No function
		176-255	No function



## **Cleaning!**

Due to fog residue, smoke, and dust cleaning the internal and external optical lenses must be carried out periodically to optimize light output.

1. Use normal glass cleaner and a soft cloth to wipe off the outside casing.
2. Clean the external optics with glass cleaner and a soft cloth every 20 days.
3. Always be sure to dry all parts completely before plugging the unit back in.

Cleaning frequency depends on the environment in which the unit operates (i.e. smoke, fog residue, dust, dew).

## **Unit not responding to DMX:**

Check that the DMX cables are connected properly and are wired correctly (pin 3 is “hot”; on some other DMX devices pin 5 may be “hot”). Also, check that all cables are connected to the right connectors; it does matter which way the inputs and outputs are connected.