

**LEDING**



# **X-BOLT**

## **USER MANUAL**

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# **INTRODUCTION**

Thank you for having chosen our LED lighting. Unpack the device, inside the box you should find:

The fixture device;  
One power cable;  
One XLR connection cable;  
This manual.

Please check carefully that there is no damage caused by transportation. Should there be any problems, consult your dealer and don't install this device.

# **DESCRIPTION**

Features

- Easy multi fixture hanging system, outdoor version available;
- 100W 3000k LED + 10W amber SMD for each eye, no ultraviolet radiation;
- Over 50,000 hours for the LED light source;
- 60 degrees beam angle;
- 1/3/8/13/14 DMX channels;
- 16 Bit Dimmer;
- DMX Mode /Master-slave mode;
- AC 100-240V 50/60Hz 450W;
- Diecasting heatsink, convection cooling, no fans, no noise;
- Temperature sensor to extend the lamp life;
- 7000 Hz LED scan rate
- Weight 12Kg;
- IP65/ IP40 selectable;

# **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.

This device falls under protection-class I. Therefore it is essential that the device should be earthed.

The electric connection must carry out by qualified person. 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.

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.

**Never look directly into the light source, as sensitive persons may suffer an epileptic shock.**

**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.**

## **DMX-512 control connection**

The product has a DMX 512 input fitted with 3-pin XLR connectors. Screened cables in compliance with EIA RS-485 specifications and the following characteristics must be used for connections:

- 2 conductors plus screen;
- 120 Ohm impedance;
- low capacitance;
- max. transmission rate 250kBaud.

## **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 OHM resistor connected

between pins 2 and 3, which is then plugged into the output XLR socket of the last fixture in the chain.

## Display Menu

### Display Menu

Main menu	Sub-menu	
Address	DMX Address Setting	1 -512 [8 - 519]
Config Mode	Channel Mode	Channel 1Ch
		Channel 3Ch
		Channel 8Ch
		Channel 13Ch
		Channel 14Ch
	Keep Screen On	Disable
		Enable
	Keep DMX Data	Enable
Disable		
Fast Dimmer	Enable	
	Disable	
System Info	Temperature	Head 1
		Head 2
		Head 3
		Head 4
		Body
Led All On	Disable	
	Enable	
Auto Test	Auto Mode 1	
	Auto Mode 2	
	Auto Mode 3	
LED test	LED (Warm) White	0 - 255
	LED Amber	
	Strobe	

## 2. DMX functions and values

### 1CH Mode

No.	Function	Value	Description	Remark
1	Dimmer	000-255	0-100%	

### 3CH Mode

No.	Function	Value	Description	Remark
1	Master dimmer	000-255	0-100%	
2	Fine master dimmer	000-255	0-100%	
3	Strobe	000-010	No function	
		011-240	Strobe	Slow to fast
		241-255	Random strobe	Fast to slow

### 9CH Mode

No.	Function	Value	Description	Remark
1	Dimmer	000-255	0-100%	
2	Warm white 1	000-255	0-100%	
3	Amber 1	000-256	0-100%	
4	Warm white 2	000-257	0-100%	
5	Amber 2	000-258	0-100%	
6	Warm white 3	000-259	0-100%	
7	Amber 3	000-260	0-100%	
8	Warm white 4	000-261	0-100%	
9	Amber 4	000-262	0-100%	

### 13CH Mode

No.	Function	Value	Description	Remark
1	Master dimmer	000-255	0-100%	
2	Fine master dimmer	000-255	0-100%	
3	Strobe	000-010	No function	
		011-240	Strobe	Slow to fast
		241-255	Random strobe	Fast to slow
4	Warm white 1	000-255	0-100%	
5	Amber 1	000-255	0-100%	
6	Warm white 2	000-255	0-100%	
7	Amber 2	000-255	0-100%	
8	Warm whiter 3	000-255	0-100%	
9	Amber 3	000-255	0-100%	
10	Warm whiter 4	000-255	0-100%	
11	Amber 4	000-255	0-100%	
12	Auto mode	000-035	No function	
		036-041	Tungsten effect	
		042-071	Round up	
		072-107	Round down	
		108-143	Round up & down	
		144-215	8-colors	
		216-255	Random effect	
13	Dimmer mode	000-063	Linear	
		064-127	Square	
		128-191	Invert Square	
		192-255	S-Curve	

## 14CH Mode

No.	Function	Value	Description	Remark
1	Master dimmer	000-255	0-100%	
2	Fine master dimmer	000-255	0-100%	
3	Strobe	000-010	No function	
		011-240	Strobe	Slow to fast
		241-255	Random strobe	Fast to slow
4	Warm white 1	000-255	0-100%	
5	Amber 1	000-255	0-100%	
6	Warm white 2	000-255	0-100%	
7	Amber 2	000-255	0-100%	
8	Warm whiter 3	000-255	0-100%	
9	Amber 3	000-255	0-100%	
10	Warm whiter 4	000-255	0-100%	
11	Amber 4	000-255	0-100%	
12	Auto mode	000-035	No function	
		036-041	Tungsten effect	
		042-071	Round up	
		072-107	Round down	
		108-143	Round up & down	
		144-215	8-colors	
		216-255	Random effect	
13	Dimmer mode	000-063	Linear	
		064-127	Square	
		128-191	Invert Square	
		192-255	S-Curve	
14	Dimmer speed	000-254	No tungsten effect	
		255	Tungsten effect	

## **CLEANING AND MAINTENANCE**

We recommend a frequent cleaning of the device. Please use a soft lint-free and moistened cloth. Never use alcohol or solvents!

**CAUTION! Disconnect from mains before starting maintenance operation.**

There are no serviceable parts inside the device. Maintenance and service operations are only to be carried out by authorized dealers. If you need any spare parts, please use genuine parts. If the power supply cable of this device becomes damaged, it has to be replaced by authorized dealers only in order to avoid hazards. If you have further questions, please contact your dealer.

## **INSTALLATION**

The device must only be installed at a vibration-free, oscillation-free and fire-resistant location.