



## **RETRO-LIGHT-MINI**



## **USER MANUAL**

## **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**

- Retro/vintage-style LED luminaire with high tech RGBWA backlight & strobe effects;
- 1 segments center ring warm white+amber LEDs, 1 segment inner ring RGB LEDs and warm white LEDs , 1 segments outer ring RGB LEDs;
- 84 RGB, 12 warm white and 45 warm white+amber 0.8W LEDs, no ultraviolet radiation;
- Over 50,000 hours for the LED light source;
- With 4 temperature sensors to extend the LEDs life;
- AC 100-240V 50/60Hz;
- 100W power consumption for 220V;
- Aluminum & iron housing-materials, super silence fans;
- 2/7/10/16 DMX channels;
- Variable electronic strobe & 16-bit dimmer;
- DMX mode /Master-slave mode/ Standalone mode/ Auto-mode;
- PowerCon compatible AC power In/Out connectors;
- 7000 Hz LED scan rate;
- 3-pin or 5-pin DMX Input/ output;
- H: 360 mm (14.18"); W: 200 mm (7.88"); D: 340 mm (13.39");  
Weight: 3.35kg (7.39 lbs);
- IP20.

## 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
- 120Ohm 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	Value
Config Mode	Channel Mode	2Ch
		7Ch
		10Ch
		16Ch
	Keep Screen On	Disable
		Enable
	Keep DMX Data	Disable
		Enable
	Fan Speed	High
		Low
		Standard
	Dimmer Speed	Smooth
Normal		
System Info	Temperature	
Load Default	TRUE	
	FALSE	
LED All On	LED all on	

## 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.

		241 - 255	Random flash
13	Center Warm White	000 - 255	0 - 100%
14	Center Amber	000 - 255	0 - 100%
15	Back Warm White	000 - 255	0 - 100%
16	Central Strobe	000 - 010	No function
		011 - 240	From slow to fast
		241 - 255	Random flash

Auto Test Speed	Auto Mode Speed	0 - 255 (Fast to slow)
Auto Test	Auto Mode 1	
	Auto Mode 2	
	Auto Mode 3	
	Auto Mode 4	
	Auto Mode 5	
Fan Test	Fan	On/Off

## Main functions

### 1. Address: Current DMX address

#### A. Setting DMX address by button

press **ENTER** button when shown the **address** menu, then adjust the DMX address by pressing **[UP]** or **[DOWN]** button  
Press **[ENTER]** to confirm or pressing **[ESC]** to return to main menu.

### 2. Config Mode:

#### Setting DMX mode

press **ENTER** button when shown the **channel mode** menu, then select the DMX mode by pressing **[UP]** or **[DOWN]** button

#### Fast Dimmer

press **ENTER** button when shown the **Fast Dimmer** menu, then select "able "or "disable" by pressing **[UP]** or **[DOWN]** button

### 3. System Info

#### Temperature

press **ENTER** button when shown the **Temperature** menu, then the temperature of the fixture will be shown.

### 4. Auto test

press **ENTER** button when shown the **Auto test** menu, then select the "Auto Mode options from 1 to 6" by pressing **[UP]** or **[DOWN]** buttons.

## DMX functions and values

2ch	1	Master	000 - 255	0 - 100%
	2	Flow Effect	000 - 041	No function
			042 - 083	Effect 1
			084 - 125	Effect 2
			126 - 167	Effect 3
			168 - 209	Effect 4
			210 - 255	Effect 5

7ch	1	Master	000 - 255	0 - 100%
	2	Outer Dimmer	000 - 255	0 - 100%
	3	Outer Strobe	000 - 010	No function
			011 - 240	From slow to fast
			241 - 255	Random flash
	4	Inner Dimmer	000 - 255	0 - 100%
	5	Inner Strobe	000 - 010	No function
			011 - 240	From slow to fast
			241 - 255	Random flash
	6	Center Dimmer	000-255	0 - 100%
	7	Center Strobe	000 - 010	No function
			011 - 240	From slow to fast
			241 - 255	Random flash

10ch	1	Master	000 - 255	0 - 100%
	2	Outer Red	000 - 255	0 - 100%
	3	Outer Green	000 - 255	0 - 100%
	4	Outer Blue	000 - 255	0 - 100%

	5	Inner Red	000 - 255	0 - 100%
	6	Inner Green	000 - 255	0 - 100%
	7	Inner Blue	000 - 255	0 - 100%
	8	Center Warm White	000 - 255	0 - 100%
	9	Center Amber	000 - 255	0 - 100%
	10	Back Warm White	000 - 255	0 - 100%

16ch	1	Master	000 - 255	0 - 100%
	2	All LED Strobe	000 - 255	Slow to fast
	3	Flow Effect	000 - 041	No function
			042 - 083	Effect 1
			084 - 125	Effect 2
			126 - 167	Effect 3
			168 - 209	Effect 4
	4	Dimmer Speed	210 - 255	Effect 5
			000 - 254	Fast to slow
			255	Tungsten Effect
	5	Outer Red	000 - 255	0 - 100%
	6	Outer Green	000 - 255	0 - 100%
	7	Outer Blue	000 - 255	0 - 100%
	8	Outer Strobe	000 - 010	No function
011 - 240			From slow to fast	
241 - 255			Random flash	
9	Inner Red	000 - 255	0 - 100%	
10	Inner Green	000 - 255	0 - 100%	
11	Inner Blue	000 - 255	0 - 100%	
12	Inner Strobe	000 - 010	No function	
		011 - 240	From slow to fast	