



[WWW.LIGHTEMOTION.COM.AU](http://WWW.LIGHTEMOTION.COM.AU)

# FLAT1212



## User's instruction manual

This manual contains important information about the safe installation and use of this product  
Please read this instruction manual carefully before installing or operating  
Please keep these instructions in a safe place for future reference

[www.lightemotion.com.au](http://www.lightemotion.com.au)

Congratulations on the purchase of your FLAT1212 by Light Emotion. We are confident that you will be satisfied with your purchase. We have prepared this manual to assist you with the operation of this item.

## CONTENTS

SECTION	Page
WHAT IS INCLUDED, SAFETY INSTRUCTION	2
POWER, FUSE, INSTALLATION	3
MAINTENANCE & PERIODIS CHECKS, DMX LEAD, DMX TERMINATOR, FEATURES	4
OPERATION	5
SPECIFICATIONS	9

Please note that as part of our ongoing commitment to continuous improvement and product development, the specifications in this manual are subject to change without notice. Whilst every care has been taken in the preparation of this manual we reserve the right to change specifications in the course of product improvement.

## WHAT IS INCLUDED:

**CAUTION:** Do not use sharp objects whilst unpacking this product

- 1x FLAT1212
- 1 x Power Lead
- 1x Warranty Card
- 1x User Manual

Please note: Some of the items above may be fitted to the product by the manufacturer.

## SAFETY INSTRUCTIONS:

*Please read these instructions carefully. It includes important information about the installation usage and maintenance of this product.*

- Please keep this User Manual for future consultation. If you sell the unit to another user, be sure that they also receive this instruction booklet.
- Always make sure that you are connecting to the proper voltage and that the line voltage you are connecting to is not higher than that stated on the rear panel of the fixture.
- This product is intended for indoor use only! To prevent risk of fire or shock, do not expose fixture to rain or moisture.
- Make sure there are no flammable materials close to the unit while operating.
- The unit must be installed in a location with adequate ventilation, at least 50cm from adjacent surface. Be sure that no ventilation slots are blocked.
- Always disconnect from power source before servicing or replacing fuse and be sure to replace with same fuse source.
- Secure fixture to fastening device using a safety chain.
- Maximum ambient temperature is 40°C. Do not operate fixture at temperatures higher than this.

- In the event of serious operating problem, stop using the unit immediately. Never try to repair the unit by yourself. Repairs carried out by unskilled people can lead to damage or malfunction. Please contact the nearest authorized technical assistance center.
- Never connect the device to dimmer pack.
- Make sure power cord is never crimped or damaged.
- Never disconnect power cord by pulling or tugging on the cord.
- Never carry the fixture directly from the cord. Always use the hanging/mounting bracket.
- Avoid direct eye exposure to the light source while it is on.

## POWER:

### CAUTION:

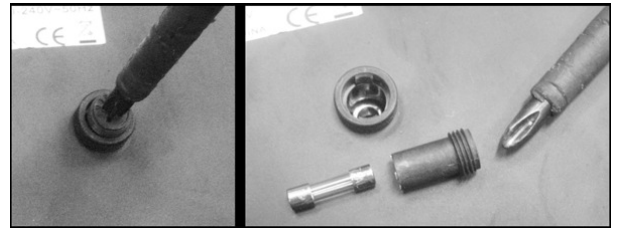
This lighting effect is designed to operate at 240V. Power Consumption: 105W

## FUSE:

**CAUTION:** Only use the correct fuse as specified on the rear panel of the lighting effect. Disconnect the lighting effect from the mains before attempting to replace the fuse.

To replace the fuse please follow the following steps:

1. Remove the fuse holder cover with a screwdriver.
2. Remove existing fuse.
3. Fit new fuse.
4. Refit the fuse holder.

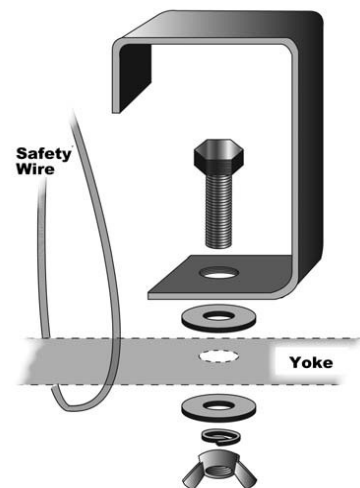


Fuse: M205 2A slow blow

## INSTALLATION:

**CAUTION:** For safe mounting read the following instructions carefully.

- Use suitable hook clamps\* for hanging the lighting effect.
- Use a safety wire\* with a breaking strain of more than double the lighting effect.
- Do not look directly into the light source.
- Make sure the lighting effect has suitable ventilation as per the instructions below.
- This lighting effect is intended for indoor use only.
- To avoid electrical shock keep away from rain and moisture.
- Keep unit out of reach from children.



### NOTE:

Use washers\* and spring washers\* when attaching your hook clamp\* to the yoke.

1. For installation of the hook clamps\* and safety wire\*.

2. This lighting effect must be 0.5m away from any flammable materials or any walls or ceilings.
3. Do not block or inhibit the air flow from the ventilation holes.

Light Emotion have various hook clamps\* and safety wires\* suitable for your PAR 64LED Please contact your local dealer for more information

\*Not included.

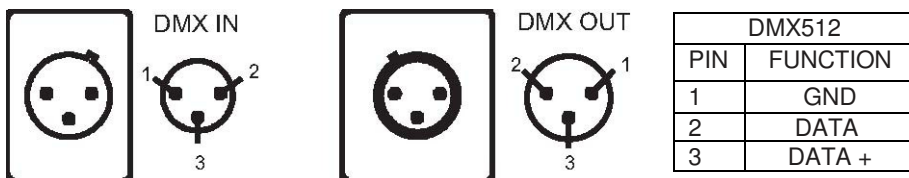
## MAINTENANCE & PERIODIC CHECKS:

### CAUTION:

Some maintenance and checks may require the product to be opened and should only be done by qualified persons. Warranty may be void if damage has been caused by improper maintenance.

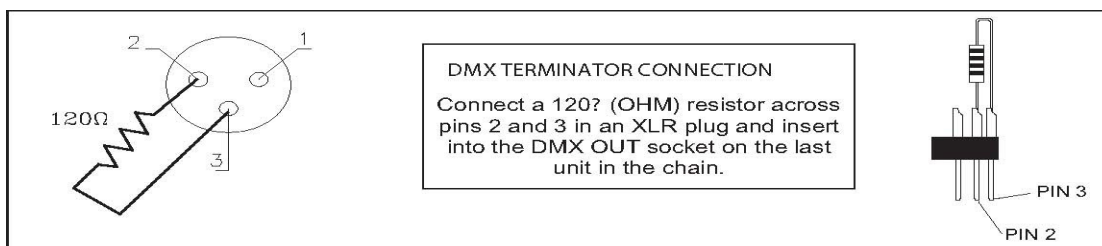
## DMX LEAD:

The DMX lead is used to link up multiple units.



## DMX TERMINATOR:

A DMX terminator helps to reduce 'noise' on the DMX chain, and makes the light respond to control more accurately. It should be plugged in to the last fixture in any chain.



## FEATURES:

- Manual dimmer color mode
- Sound active mode
- Auto-run program mode
- Static color mode
- Master /Slave mode
- DMX mode

# OPERATION:

There are six operation modes which are selected by 'MODE' button. The dot that locates at the fourth LED display will flick when you operate control panel. The dot will automatically turn off after 60 seconds if you do not select anything. The LED display shows the current operation mode. When LED display switches off, press the 'MODE' button to switch back on again.

MODE manual	SET UP manual	UP/DOWN manual	Instructions
DMX	Address	8000~8512	Sets the DMX starting address
	Channel mode	8006	6 channels mode
		8007	7 channels mode
		8008	8 channels mode
8009		9 channels mode	
Master/Slave	Slave mode	5188	Set the unit into slave mode
Dimmer	Red dimmer	8800~8255	Adjust the intensity of the red color
	Green dimmer	8800~8255	Adjust the intensity of the green color
	Blue dimmer	8800~8255	Adjust the intensity of the blue color
	White dimmer	0000~0255	Adjust the intensity of the white color
	Amber dimmer	8000~8255	Adjust the intensity of the amber color
	UV dimmer	0000~0255	Adjust the intensity of the UV color
	Flash	8500~8888	Adjust the flash speed, 8500 is flash off, 8501 is slowest, 8888 is fastest
Sound Active	Program	5600~5888	Select the built-in sound mode
	Sensitivity select	5888~5888	Adjust the sensitivity of the sound-active, 5888 is the lowest level, 5888 is the highest level
Auto Run	Dreaming mode	8F00~8888	Select the built-in dreaming mode
	Jumping mode	8F00~8888	Select the built-in jumping mode
	Dreaming & Jumping mode	8888	Set the light in auto dreaming & jumping mode, the dreaming mode and jumping mode will run in a continuous cycle
	Speed set	5P00~5P88	Adjust the speed of the dreaming/jumping mode
Static Color	Color select	8L00~8888	Select the 63 static colors
	Strobe	8500~8888	Adjust the flash speed, 8500 is flash off, 8501 is the slowest, 8888 is the fastest
Other Function	Display on/off	8888	LED display always stays on
		8888	LED display turns off automatically after 60 seconds if there is no operation.
	Display normal/inverse	5E88	LED display normal
		8E88	LED display inversion
Initialization mode	8E88	Initialize the unit default to manufactory setting	

## 1. Manual dimmer color mode

### 1) Manual dimmer color

Press "MODE" button, select the manual dimmer color mode. At this time, the four LED display shows red "8800~8855", press the "SET UP" to choose different colors, green "6800~6855", blue "8800~8855", white "0000~0255", amber "A000~A255" and UV "0000~0255", then press "UP" or "DOWN" button to set the dimming rate 0-255.

### 2) Flash speed select

Press "SET UP" to choose the flash speed mode. At this time, the four LED display shows "6600~6655". Press "UP" or "DOWN" button to select the flash speed 00-15, 00 is flash off, 01 is the slowest flash speed, and 15 is the fastest flash speed.

## 2. Sound active mode

Press "MODE" button, select the sound active mode. Press the "SET UP" button to change sound active setting.

### 1) Set sound active program

Press "SET UP" button until LED display shows "5800~5855", then press "UP" or "DOWN" to select the sound active program, you have 16 choices.

### 2) Set sound sensitivity

Press "SET UP" button until LED display shows "5800~5855", then press "UP" or "DOWN" to select the mic sensitivity 1-8. 1 is off sound-active, 2 is the lowest sensitivity, and 8 is the highest sensitivity.

## 3. Auto-run program mode

Press "MODE" button, select the auto-run program mode. Use "SET UP" button to choose 3 different groups of auto-run program.

### 1) Set Color dreaming program

Press "SET UP" button until LED display shows "A800~A855", then press "UP" or "DOWN" button to choose color dreaming program. There are 16 colors dreaming programs for you to select.

### 2) Set Color jumping program

Press "SET UP" button until LED display shows "A800~A855", then press "UP" or "DOWN" button to select color jumping program. There are 16 colors jumping programs for you to select.

### 3) Set Auto dreaming & jumping program

Press "SET UP" button until LED display shows "A888" to go to dreaming mode and jumping mode.

### 4) Set auto-run speed

Press "SET UP" button until LED display shows "5800~5855", then Press "UP" or "DOWN" button to select auto-run color change speed from 01 to 16, 01 is the slowest speed, and 16 is the fastest speed.

## 4. Static color mode

Press "MODE" button, select the static color mode.

### 1) Set static color

Press "SET UP" button until LED display shows "0000~0055", then press "UP" or "DOWN" to select your static color. There are 63 colors for you to select.

### 2) Flash speed select

Press "SET UP" button until LED display shows "6600~6655", then press "UP" or "DOWN" button to select the static color strobe speed 00-15, 00 is flash off, 01 is the slowest flash speed, and 15 is the fastest flash speed.

## 5. Other function

### 1) Display on / off

Press "SET UP" button to find "8888"(LED display always on) or "8888"(LED display turns off automatically after 60 seconds if there is no operation), press "UP" or "DOWN" to select display on or off.

### 2) Display normal / inversion

Press "SET UP" button, select display normal/inversion, and then Press "UP" or "DOWN" to select LED display normal or reverse 180 degree. "8888" means display normal and "8888" means display had been reversed.

### 3) Initialization select mode

Press "SET UP" button until LED display shows "8888" and flicker. Then press "UP" or "DOWN" button at the same time to initialize to original factory setting (1st color jumping mode, control panel should display "A001".)

## 6. Master/slave

Press "MODE" button, select Master/slave mode. When LED display shows "8888", it is in slave mode.

## 7. DMX mode

### 1) Set DMX address

The control Board allows you to assign the DMX address which is defined as the first channel of the unit. Press "MODE" button until LED display shows "A001~A512", press "UP" or "DOWN" to set the DMX address. The LED control panel should flick when there is no controller signal.

### 2) DMX setting

Press "SET UP" button until it displays "CH06~CH09", then press "UP" or "DOWN" to set 4 DMX channel modes.

- CH06: 6 channels mode

Channel	Value	Function	
1	0-255	RED	0% - 100%
2	0-255	GREEN	0% - 100%
3	0-255	BLUE	0% - 100%
4	0-255	WHITE	0% - 100%
5	0-255	AMBER	0% - 100%
6	0-255	UV	0% - 100%

- CH07: 7 channels mode

Channel	Value	Function	
1	0-255	RED	0% - 100%
2	0-255	GREEN	0% - 100%
3	0-255	BLUE	0% - 100%
4	0-255	WHITE	0% - 100%
5	0-255	AMBER	0% - 100%
6	0-255	UV	0% - 100%
7	0-255	MASTER DIMMER	0% - 100%

- **CH08**: 8 channels mode

Channel	Value	Function	
1	0-255	RED	0% - 100%
2	0-255	GREEN	0% - 100%
3	0-255	BLUE	0% - 100%
4	0-255	WHITE	0% - 100%
5	0-255	AMBER	0% - 100%
6	0-255	UV	0% - 100%
7	0-255	MASTER DIMMER	0% - 100%
8		COLOR MACROS PLEASE REFER TO COLOR MACROS TABLE	

**NOTE:** Channel 1, 2, 3, 4, 5 and 6 will not work, when Channel 8 is being used.

- **CH09**: 9 channels mode

Channel	Value	Function	
1	0-255	RED	0% - 100%
2	0-255	GREEN	0% - 100%
3	0-255	BLUE	0% - 100%
4	0-255	WHITE	0% - 100%
5	0-255	AMBER	0% - 100%
6	0-255	UV	0% - 100%
7	0-255	MASTER DIMMER	0% - 100%
8	0-15	STROBING OFF	
	16-255	STROBING SLOW - FAST	
9		COLOR MACROS PLEASE REFER TO COLOR MACROS TABLE	

**NOTE:** Channel 1, 2, 3, 4, 5 and 6 will not work, when Channel 9 is being used.

**Colors macros table as below:**

0-3=Off	64-67=B+W	128-131=G+B+W	192-195=R+B+W+A
4-7=Red	68-71=B+A	132-135=G+B+A	196-199=R+B+W+UV
8-11=Green	72-75=B+UV	136-139=G+B+UV	200-203=R+B+A+UV
12-15=Blue	76-79=W+A	140-143=G+W+A	204-207=R+W+A+UV
16-19=White	80-83=W+UV	144-147=G+W+UV	208-211=G+B+W+A
20-23=Amber	84-87=A+UV	148-151=G+A+UV	212-215=G+B+W+UV
24-27=UV	88-91=R+G+B	152-155=B+W+A	216-219=G+B+A+UV
28-31=R+G	92-95=R+G+W	156-159=B+W+UV	220-223=G+W+A+UV
32-35=R+B	96-99=R+G+A	160-163=B+A+UV	224-227=B+W+A+UV
36-39=R+W	100-103=R+G+UV	164-167=W+A+UV	228-231=R+G+B+W+A
40-43=R+A	104-107=R+B+W	168-171=R+G+B+W	232-235=R+G+B+W+UV
44-47=R+UV	108-111=R+B+A	172-175=R+G+B+A	236-239=R+G+B+A+UV
48-51=G+B	112-115=R+B+UV	176-179=R+G+B+UV	240-243=R+G+W+A+UV
52-55=G+W	116-119=R+W+A	180-183=R+G+W+A	244-247=R+B+W+A+UV
56-59=G+A	120-123=R+W+UV	184-187=R+G+W+UV	248-251=G+B+W+A+UV
60-63=G+UV	124-127=R+A+UV	188-191=R+G+A+UV	252-255=R+G+B+W+A+UV

**NOTE:** R---Red    G---Green    B---Blue    W---White    A---Amber



## **SPECIFICATIONS:**

- Power input: AC 90V-240V/50HZ-60HZ
- Wattage: 105W
- LEDs: 12 pcs 12W (RGBWA+UV 6 in 1)
- Beam angle of LEDs: 40 degree
- 3-pin female XLR socket and 3-pin male XLR socket
- Built-in microphone
- Four button LED digit display
- Fuse: M205 2A slow blow
- Maximum 5pcs fixtures can be daisy chained together
- Weight: 3.4 kgs
- Size: 310 x 285 x 115mm

