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FLAT1012



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

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Congratulations on the purchase of your FLAT1012 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.

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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 FLAT1012
- 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:

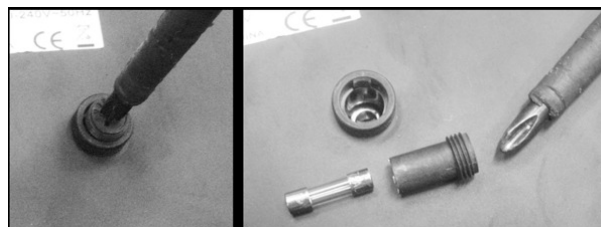
CAUTION: This lighting effect is designed to operate at 240V.
Power Consumption: 105W

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 2.5A fast blow

INSTALLATION:

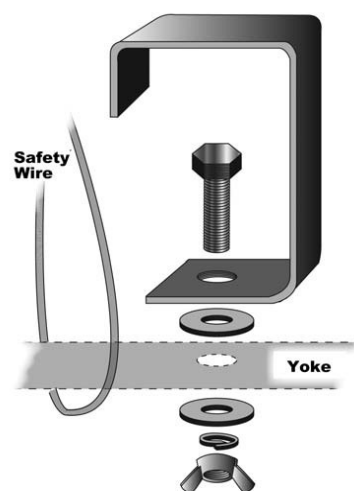
CAUTION: For safe mounting read the following instructions carefully.

- 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.

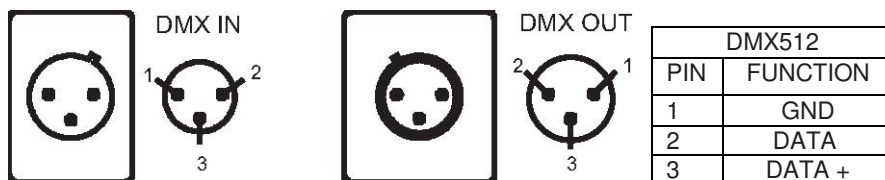
MAINTENANCE & PERIODIC CHECKS:

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.

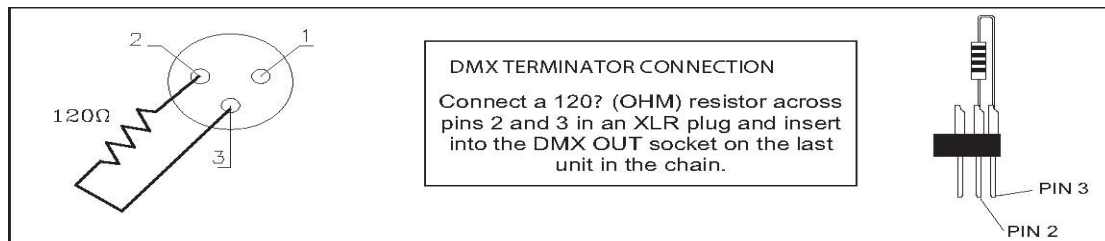
DMX LEAD:

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 select mode
- Other program select mode
- DMX mode
- Slave mode

OPERATION:

There are six kinds of running modes which are selected by 'MODE' button. The DP dot of fourth digital display will be flicking when you operate it, and then the DP dot will automatically turn off after 60 seconds if there is not any other operation. The four digit display will show the current operation mode. You have to press the 'MODE' button if you want the display to show again.

MODE manual	SET UP manual	UP/DOWN manual	Instruction
DMX MODE	Address	8888~8544	Sets the DMX starting address
	Channels	0405	The unit occupies 5 DMX channels
		0406	The unit occupies 6 DMX channels
		0407	The unit occupies 7 DMX channels
		0408	The unit occupies 8 DMX channels
SLAVE MODE	Slave mode	5444	Set the unit into slave mode
DIMMER MODE	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
	UV dimmer	8000~8255	Adjust the intensity of the UV color
	Flash	8500~8545	Adjust the flash speed, 8500 is flash off, 8504 is slowest, 8545 is fastest
SOUND MODE	Mode select	5804~5806	Select the 16 built-in sound modes
	Sensitivity select	5804~5806	Adjust the sensitivity of the sound-active, 5804 is the lowest level, 5806 is the highest level
AUTO RUN MODE	Dreaming mode set	8804~8806	Select the 16 built-in dreaming mode
	Jumping mode set	8804~8806	Select the 16 built-in jumping mode
	Auto Dreaming&Jumping mode	8804	Set the light in auto dreaming&jumping mode, the dreaming mode and jumping mode will run in a continuous cycle
	Speed set	5804~5806	Adjust the speed of the dreaming/jumping mode
STATIC COLOR SELECT MODE	Color select	0000~0031	Select the 31 static colors
	Flash	8500~8545	Adjust the flash speed, 8500 is flash off, 8504 is slowest, 8545 is fastest
OTHER MODE	Display on/off	8888	LED digital tube display always on
		8888	LED digital tube display off
	Display normal/inverse	5888	LED digital tube display normal
		8888	LED digital tube display inversion
	Initialization mode	8888	Initialize the unit at the extra factory setting

1. Manual dimmer color mode

Press 'MODE' button to select the manual dimmer color mode.

1) Manual dimmer color select

Press 'MODE' button until the display shows red '8888~8888', then press the 'SET UP' to choose different color, green '6888~8288', blue '8888~8288', white '0000~0255' and UV 'A000~A255', then press 'UP' or 'DOWN' button to set the dimming rate 0 to 255.

2) Flash speed select

Under manual dimmer color mode, press 'SET UP' until the display shows '8888~', then press 'UP' or 'DOWN' button to select the flash speed 00 to 15, 00 is flash off, 01 is the slowest flash speed, 15 is the fastest flash speed.

2. Sound active mode

Press 'MODE' button to select the sound active program mode.

1) Sound active program mode select

Press 'MODE' button until the display shows '8888~8888'. Press 'UP' or 'DOWN' to select the sound active program mode 1 to 8 under this mode.

2) Sensitivity select mode

Under sound active mode, press 'SET UP' button until the display shows '8888~8888', then press 'UP' or 'DOWN' to select the sound active the sensitivity 1 to 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. There are 4 auto-run program modes to be selected by pressing the 'SET UP' button. Press 'MODE' button until the display shows 'A000~A000', 'A000~A000', 'A000' or 'SP00~SP00'.

1) Color dreaming program mode select

Under auto-run program mode, press 'SET UP' button until the display shows 'A000~A000', then press 'UP' or 'DOWN' button to select the eight color dreaming programs 1 to 16.

2) Color jumping program mode select

Under auto-run program mode, press 'SET UP' button until the display shows 'A000~A000', then press 'UP' or 'DOWN' button to select the eight color jumping programs 1 to 16.

3) Auto dreaming & jumping mode

Under auto-run program mode, press 'SET UP' button until the display shows 'A000', and then the dreaming mode and jumping mode will run in a continuous cycle. 'UP' or 'DOWN' buttons are no function in this mode.

4) Color dreaming & jumping speed select

Under auto-run program mode, press 'SET UP' button until the display shows 'SP00~SP00', then press 'UP' or 'DOWN' button to select the color dreaming/jumping speed 01 to 16, 01 is the slowest speed, 16 is the fastest speed.

4. Static color select mode

Press 'MODE' button to select the static color select mode. There are 2 static color select modes. You can select them by pressing the 'SET UP' button.

1) Static color select

Press 'MODE' button until the display shows '0000~0000', then press 'UP' or 'DOWN' to select static color 0 to 31. Please refer to color macros table.

2) Flash speed select

Under static color select mode, press 'SET UP' button until the display shows '8888~8888', then press 'UP' or 'DOWN' button to select the static color flash speed 00 to 15, 00 is flash off, 01 is the slowest flash speed, 15 is the fastest flash speed.

5. Other program select mode

Press 'MODE' button until the display shows "0000" or "0000".

1) Display off/on select mode

Under other program select mode, press 'SET UP' button until the display shows "0000" or "0000", then press 'UP' or 'DOWN' to select display on or off mode. When the display shows "0000", the display will be on in any situation. When the display shows "0000", the display will be off after 60 seconds automatically if there is not any further operation.

2) Display normal/inversion select mode

Under other program select mode, press 'SET UP' button until the display shows "5000" or "0000", then press 'UP' or 'DOWN' to select normal or inversion display mode. When the display shows "5000", the display shows normally. When the display shows "0000", the display shows inversion.

3) Initialization select mode

Under other program select mode, press 'SET UP' button until the display shows "0000", and the display is flickering. Now press 'UP' and 'DOWN' button at the same time, you can initialize the unit at extra factory setting, running on the first color jumping mode, and the display shows "0000".

6. Slave mode

Press 'MODE' button until the display shows "5000". 'SET UP', 'UP' or 'DOWN' buttons are no function under this mode.

7. DMX mode

You can control the devices individually via your DMX-controller.

1) DMX address select mode

The control board allows you to assign the DMX address which is defined as the first channel of FLAT1012. Press 'MODE' button until the display shows "0000~0000", then press 'UP' or 'DOWN' button to set the DMX address. The four digital display will be flicking when there is no controller signal.

2) DMX protocol

Press 'SET UP' button until the display shows "0000~0000", then press 'UP' or 'DOWN' to set the desired channels (5, 6, 7 or 8). There are total four DMX channels.

• 0000: 5 channels mode

CH NO.	DMX 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	UV 0% - 100%

• 0000: 6 channels mode

CH NO.	DMX 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	UV 0% - 100%
6	0-255	Master dimmer 0% - 100%

- **CH07**: 7 channels mode

CH NO.	DMX 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	UV 0% - 100%
6	0-255	Master dimmer 0% - 100%
7		Color macros Please refer to color macros table

NOTE: Channel 1, 2, 3, 4 and 5 have no function, when Channel 7 is working.

- **CH08**: 8 channels mode

CH NO.	DMX 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	UV 0% - 100%
6	0-255	Master dimmer 0% - 100%
7	0-15	Strobing: off
	16-255	Strobing: slow to fast
8		Color macros Please refer to color macros table

NOTE: Channel 1, 2, 3, 4 and 5 have no function, when Channel 8 is working.

Color macros table as below:

	DMX value	Color		DMX value	Color
0	0-7	OFF(blackout)	16	128-135	R+G+B
1	8-15	Red	17	136-143	R+G+W
2	16-23	Green	18	144-151	R+G+UV
3	24-31	Blue	19	152-159	R+B+W
4	32-39	White	20	160-167	R+B+UV
5	40-47	UV	21	168-175	R+W+UV
6	48-55	R+G	22	176-183	G+B+W
7	56-63	R+B	23	184-191	G+B+UV
8	64-71	R+W	24	192-199	G+W+UV
9	72-79	R+UV	25	200-207	B+W+UV
10	80-87	G+B	26	208-215	R+G+B+W
11	88-95	G+W	27	216-223	R+G+B+UV
12	96-103	G+UV	28	224-231	R+G+W+UV
13	104-111	B+W	29	232-239	R+B+W+UV
14	112-119	B+UV	30	240-247	G+B+W+UV
15	120-127	W+UV	31	248-255	R+G+B+W+UV

SPECIFICATIONS:

- Weight: 3.4 kg
- Size: 310 x 285 x 115mm
- Power input: AC 90V-240V/50HZ-60HZ
- Wattage: 105W
- LEDs: 12 pcs 10RGBWUV (5 in one)
- 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
- RF remote control optional
- Maximum 5pcs fixtures can be daisy chained together

