FLAT0307

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

Congratulations on the purchase of your FLAT0307 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

Please note that as part of out 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 FLAT0307
- 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: 23W

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.
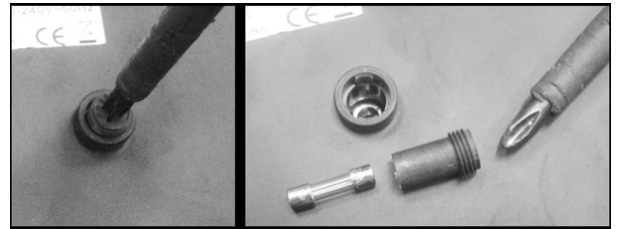
Fuse: M205 1A fast blow

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.
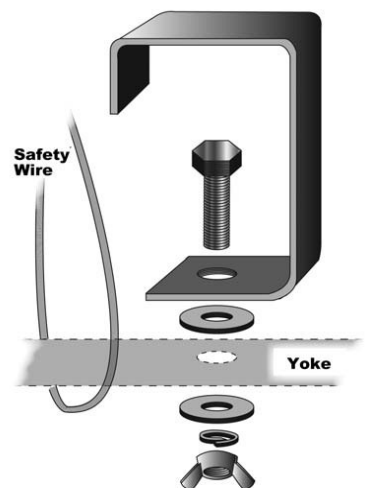
3. Do not block or inhibit the air flow from the ventilation holes.

Light Emotion have various hook clamps* and safety wires* suitable for your PAR 64LED Please contact your local dealer for more information *Not included.
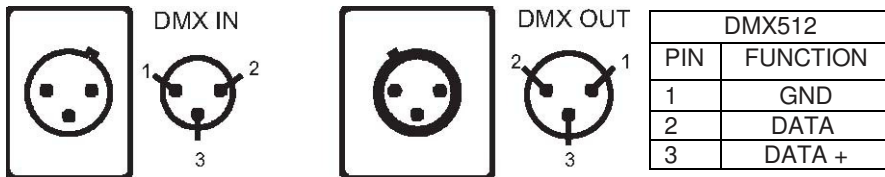
MAINTENANCE & PERIODIC CHECKS:

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.

DMX512	
PIN	FUNCTION
1	GND
2	DATA
3	DATA +

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.

DMX TERMINATOR CONNECTION

Connect a 120? (OHM) resistor across pins 2 and 3 in an XLR plug and insert into the DMX OUT socket on the last unit in the chain.
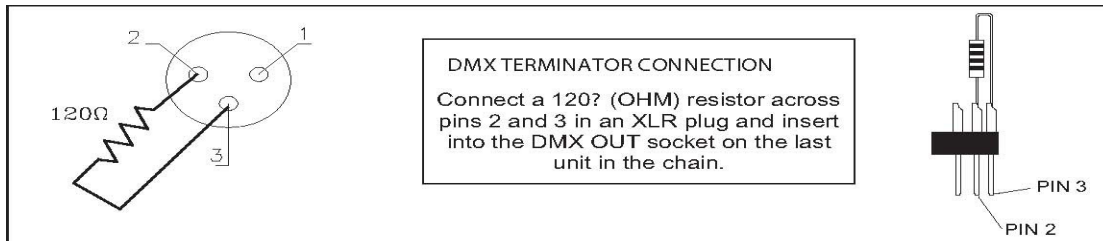
FEATURES:

Manual dimmer color mode
Sound active mode
Auto-run program mode
Static color select mode
Other program select mode
DMX 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	SET UP	UP/DOWN	Instruction
DMX MODE	Address	A.001~A.512	Sets the DMX starting address
	Channels	CH.03	The unit occupies 3 DMX channels
		CH.04	The unit occupies 4 DMX channels
		CH.05	The unit occupies 5 DMX channels
		CH.06	The unit occupies 6 DMX channels
DIMMER MODE	Red dimmer	A.000~A.255	Adjust the intensity of the red color
	Green dimmer	b.000~b.255	Adjust the intensity of the green color
	Blue dimmer	b.000~b.255	Adjust the intensity of the blue color
	Flash	FS.00~FS.15	Adjust the flash speed, FS.00 is flash off, FS.01 is slowest, FS.15 is fastest
SOUND MODE	Mode select	So.01~So.08	Select the built-in sound mode
	Sensitivity select	SU.01~SU.08	Adjust the sensitivity of the sound-active, SU.01 is the lowest level, SU.08 is the highest level
AUTO RUN MODE	Dreaming mode set	AP.01~AP.08	Select the built-in dreaming mode
	Jumping mode set	AJ.01~AJ.08	Select the built-in jumping mode
	Speed set	SP.01~SP.16	Adjust the speed of the dreaming/jumping mode
STATIC COLOR SELECT MODE	Color select	CL.00~CL.08	Select the eight static colors
	Flash	FS.00~FS.15	Adjust the flash speed, FS.00 is flash off, FS.01 is slowest, FS.15 is fastest
OTHER MODE	Display on/off	d.on	LED digital display always on
		d.oFF	LED digital display off
	Display normal/inverse	SHAH	LED digital display normal
		UP3H	LED digital display inversion
	Initialization mode	dEFA	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 'A.000~A.255', then press the 'SET UP' to choose different color, green 'b.000~b.255', blue 'b.000~b.255', 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 '$F5.00$~', 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 '$Sb.A1$~$Sb.A8$'. 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 '$SU.A1$~$SU.A8$', 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 3 auto-run program modes to be selected by pressing the 'SET UP' button. Press 'MODE' button until the display shows '$AU.01$~$AU.08$' or '$AE.01$~$AE.08$'.
    1)   Color dreaming program mode select
Under auto-run program mode, press 'SET UP' button until the display shows '$AE.01$~$AE.08$', then press 'UP' or 'DOWN' button to select the eight color dreaming programs 1 to 8.
    2)   Color jumping program mode select
Under auto-run program mode, press 'SET UP' button until the display shows '$AU.01$~$AU.08$', then press 'UP' or 'DOWN' button to select the eight color jumping programs 1 to 8.
    3)   Color dreaming/jumping speed select
Under auto-run program mode, press 'SET UP' button until the display shows '$SP.01$~$SP.16$', 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 '$CL.00$~$CL.07$', then press 'UP' or 'DOWN' to select static color 0 to 7.
0---black out   1---red 2---green 3---blue 4---cyan 5--- yellow 6---purple 7---white
    2)   Flash speed select
Under static color select mode, press 'SET UP' button until the display shows '$F5.00$~$F5.15$', then press 'UP' or 'DOWN' button to select the static color flash speed 00 to15, 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 ''$db.An$' or '$db.AF$'.
    1)   Display off/on select mode
Under other program select mode, press 'SET UP' button until the display shows '$db.An$' or '$db.AF$', then press 'UP' or 'DOWN' to select display on or off mode. When the display shows '$db.An$', the display will be on in any situation. When the display shows '$db.AF$', 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 '⚬⚬⚬⚬' or '⚬⚬⚬⚬', then press 'UP' or 'DOWN' to select normal or inversion display mode. When the display shows '⚬⚬⚬⚬', the display shows normally. When the display shows '⚬⚬⚬⚬', the display shows inversion.

    3)   Initialization select mode

Under other program select mode, press 'SET UP' button until the display shows '⚬⚬⚬⚬', and the display is flicking. 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 '⚬⚬⚬⚬'.

6. DMX mode

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

NOTE:

When FLAT0307 is connected to other FLAT0307, the unit would be under slave mode in any situation of the DMX mode (any DMX address, any DMX channels mode).

    1)   DMX address select mode

Press 'MODE' button until the display shows '⚬⚬⚬⚬~⚬⚬⚬⚬', then press 'UP' or 'DOWN' to set the DMX address. You can set 510pcs address at most when it is in 3 channels DMX mode, 509pcs address at most when it is in 4 channels DMX mode, 508pcs address at most when it is in 5 channels DMX mode, 507pcs address at most when it is in 6 channels DMX mode. The digital display will be flickering when there is no controller signal.

    2)   DMX protocol

Under DMX address select mode, press 'SET UP' button until the display is '⚬⚬⚬⚬/⚬⚬⚬⚬/⚬⚬⚬⚬/⚬⚬⚬⚬', and then press 'UP' or 'DOWN' to set the desired channels (3, 4, 5 or 6). There are total four DMX channels.

- Set 3 channels

CH No.	DMX value	Function
CH1	000~255	Red(dim→bright)
CH2	000~255	Green(dim→bright)
CH3	000~255	Blue(dim→bright)

- Set 4 channels

CH No.	DMX value	Function
CH1	000~255	Red(dim→bright)
CH2	000~255	Green(dim→bright)
CH3	000~255	Blue(dim→bright)
CH4	000~255	Dimming(dim→bright)

- Set 5 channels

CH No.	DMX value	Function
CH1	000~255	Red(dim→bright)
CH2	000~255	Green(dim→bright)
CH3	000~255	Blue(dim→bright)
CH4	000~255	Dimming(dim→bright)
CH5	000~015	No function
	016~255	Strobe slowest to fastest flash frequency is 0.1HZ-20HZ

- Set 6 channels

DMX VALUE	CH 1	CH 2	CH 3	CH 4	CH 5	CH 6
				FUNCTION		
0-15	Red 0-255 (dim→ bright)	Green 0-255 (dim→ bright)	Blue 0-255 (dim→ bright)	Dimming 0-255 (dim→ bright)	Strobe slowest to fastest 16-255 flash frequency is 0.1HZ-20HZ	No function
16-31						Red
32-47						Green
48-63						Blue
64-79						Cyan
80-95						Yellow
96-111						Purple
112-127						White
128-135					Speed 0-255 (slow→fast)	Color dreaming 1
136-143						Color dreaming 2
144-151						Color dreaming 3
152-159						Color dreaming 4
160-167	No function	No function	No function			Color dreaming 5
168-175						Color dreaming 6
176-183						Color dreaming 7
184-191						Color dreaming 8
192-199						Color change1
200-207						Color change 2
208-215						Color change 3
216-223						Color change 4
224-231						Color change 5
232-239						Color change 6
240-247					Sensitivity 0-255 (insensitive→sensitive)	Sound mode1
248-255						Sound mode2

SPECIFICATIONS:

- Weight: 1.7 kg
- Size: 170x135x250mm
- Power input: AC 90V-240V/50HZ-60HZ
- Wattage: 23W
- LEDS: 7 pcs 3W (3 in one)
- Beam angle of LEDs: 40 degree
- 3-pin female XLR socket and 3-pin male XLR socket
- Built-in microphone
- LED digit display