MICROH DJ
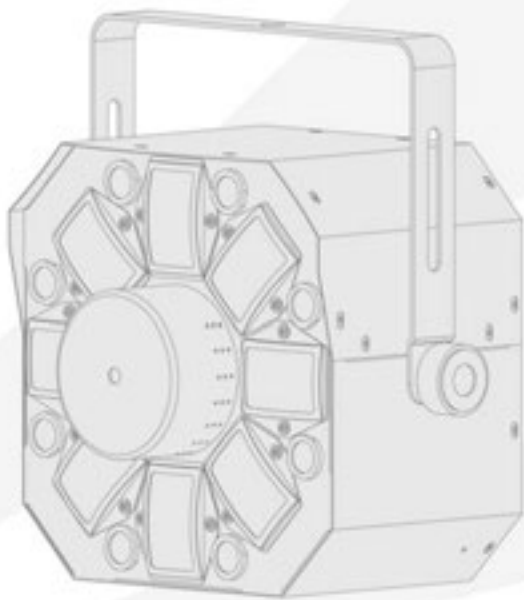
MONSOON FX

USER MANUAL

Version 1.0

Unpacking Instructions

Dear user,

Thanks for choosing our laser device, believing this brand new product will bring you unlimited marvel and happiness. Before operating this device, please read this manual thoroughly, and retain it for future reference.

Warning

Please note the warnings in bold which will ensure the safe and smooth operation. These warnings are important to a certain extent.

Attention! Indicates a skill or other useful information for special situations.

Important! Indicates important information to protect personnel from laser incident or injury.

Caution! Prevent damage or injury from incorrect operation.

Laser! Laser safety warming labels.。

Warning!

If the external flexible cable or cord of this luminaire is damaged, it shall be replaced by a special cord or cord exclusively available from the manufacturer or his service agent.

Shields, lenses or ultraviolet screens shall be changed if they have become visibly damaged to such an extent that their effectiveness is impaired, for example by cracks or deep scratches.

The lamps shall be changed if it has become damaged or thermally deformed.

Unpacking In

As receiving a fixture, carefully unpack the carton, checking contents to ensure that all parts are in good condition. Informing the shipper immediately and retaining packing material for inspection if any parts damaged from shipping or device damaged. Keep packing materials as evidence for shipper's confirmation.

Attention!

This unit is in perfect condition before delivery; please check all accessories when unpacking the unit. User should follow this user manual to operate this unit, and make sure that you are clear on all laser safety information and unit operation before power it on. Any wrong operation will make this unit out of warranty.

Carefully move after receiving it, checking whether there is any damage from shipping, and all the accessories in it.

NAME	PCS
Laser Light +LED system	1
Power Cord	1
KEYS (for key switch)	2
Interlock switch	1
User manual	1
Case	1

Safety Instructions

To protect the environment, please try to recycle the packing material as much as possible.

The projector is for indoor use only, IP20. Use only in dry locations. Keep this device away from rain and moisture, excessive heat, humidity and dust. Do not allow contact with water or any other fluids, or metallic objects

Don't throw this product away just as general trash, please deal with the product follow the abandon electronic product regulation in your country.

Locate the fixture in a well ventilated spot, away from any flammable materials and/or liquids. The fixture must be fixed at least 20cm from surrounding walls

◆ To avoid condensation to be formed inside, allow this unit to adapt to the surrounding temperatures when bringing it into a warm room after transport.

◆ Condense sometimes prevents the unit from working at full performance or may even cause

◆ damagesDon't install it on flammable object.

◆ Don not use it when maximum ambient temperature is higher than 40 degree,

◆ Unplug the unit when it is not used for a longer time or before replacing the bulb.

◆ Don't open the top cover to avoid unit damage.

◆ Please use the original packing when the device is to be transported.

⚠ Never expose the lens to direct sunlight, even for a short period, This may damage the light effect or even cause fire!
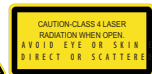
L a s e r   S a f e t y

⚠ According to EN 60825-1:2007, this product belongs to class 3B. Direct eye contact may cause injury.

| LASER RADIATION |
| AVOID EYE OR SKIN EXPOSURE TO DIRECT OR SCATTERED RADIATION |
| CLASS 4 LASER PRODUCT |

| CAUTION-CLASS 4 LASER RADIATION WHEN OPEN. |
| AVOID EYE OR SKIN EXPOSURE TO DIRECT OR SCATTERED RADIATION |

◆ This product is for laser show only. The class 3B laser light should be operated by professional operator only.

◆ This is so-called show laser, emitting radiation with a wavelength spectrum between 400 and 700nm and producing lighting effects for shows.

◆ International laser safety regulations require that the vertical height from installment to ground is more than 3 meters, horizontal distance is 2.5 meters from audience.

◆ Never direct the laser beam to people or animals and never leave this device running unattended.

◆ The legal requirements for using laser entertainment products vary from country to country. The user is responsible for the legal requirements at the location/country of use.

⚠ W a r n i n g！Avoid direct eye contact with laser beams during operation, especially when the laser beams stay still, or injury to eyes may occur.

L a s e r   S a f e t y   P r o t e c t i o n   F e a t u r e

C a u t i o n：The laser security measures are designed according to the specific terms of the relevant international laser safety standards and has the following laser safety protection means.

Laser key switch: laser is available only when the key is turned on.
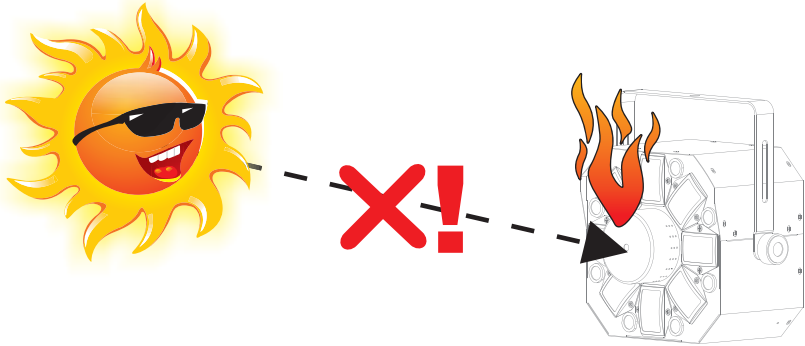
Laser Emergency switch: remote connecting switch,it will cut off the laser light path emergently once the device in potential hazard;

Laser safety label：The labels of according with European standard are sticked on the device body.
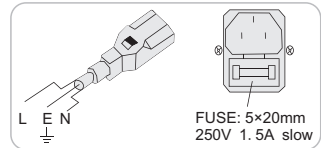
Overhead Rigging

Attention: The installation must be carried out by qualified service personal only. Improper installation can result in serious injuries and /or damage to property. Overhead rigging required extensive experience! Working load limits should be respected, Certified installation materials should be used, the installed device should be inspected regularly for safety.

◆ Make sure the area below the installation place is free from unwanted persons during rigging, de-rigging and servicing.

◆ Locate the fixture in a well ventilated spot, far away from any flammable materials and/or liquids. The fixture must be fixed at least 50cm from surrounding walls

◆ The device should be installed out of reach of people and outside areas where persons may walk by or be seated.

◆ The device should be well fixed; a free swinging mounting is dangerous and may not be considered!

◆ Do not cover any ventilation opening as this may result in overheating

◆ Before the first time use, it must be inspected by professional staff to make sure safety, inspection regularly every year..

⚠ Never expose the lens to direct sunlight, even for a short period, This may damage the light effect or even cause fire!

AC Pow

Please use the attached power, note that power voltage and frequency are the same as the marked voltage and frequency of device when connecting power. Every device's power should be connected separately, so that device can be controlled individually.

L E N

FUSE: 5×20mm
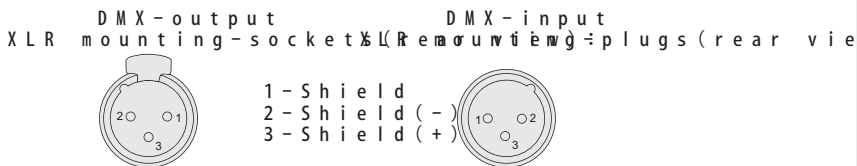250V 1. 5A slow

The power cord specification table:

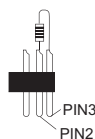| Cable(EU)	Cable(US)	Pin	International
Brown	Black	Live	L
Liht blue	White	Neutral	N
Yellow/Green	Green	Earth	⏚

Overhead Rigging
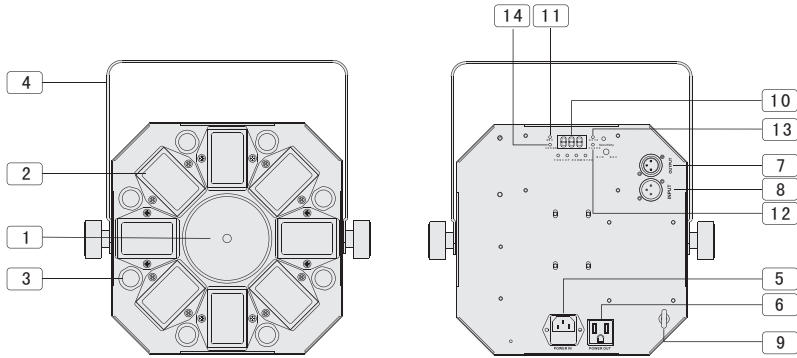
◆ Connection between laser lights and DMX must use the shied cable of diameter more than 0.5mm. Please use the attached 3 pin XLR plug/socket to connect the DMX output/input interface. The connection between socket and cable as below(note the plug/socket's 3 pin number and position).

DMX-output
XLR mounting-socket(front view)

DMX-input
XLR mounting plugs(rear view)

1 - Shield
2 - Shield(-)
3 - Shield(+)

◆ Note, XLR plug/socket's 3pin can not be touched by inner hull, connection between pins is not allowed. Except above connection, XLR plug/socket can not be connected with XLR control line. Device receives international standard DMX512(1990) control signal.

◆ When using standard DMX512 control signal, the last device's output interface must be connected to a DMX plug. This plug is putting a 120 ohm resistance between "canon" plug's 2 pin and 3 pin. Showing as below pic. Sticking this plug into the last device's signal output interface, it will avoid the interference during the process of signal transmission.

PIN3
PIN2

Operation instructions

NO	Name	FUNCTION
1	Laser aperture	Laser show, do not look directly into the hole
2	LED 5 colors output	RGBAW X 3W
3	LED white color output	8X1W
4	Hanging bracket	For hang and angle adjustment
5	Power input	Power input socket, built-in protective tube and spare tube
6	Power connection	Power output connect with next light
7	DMX output	3PIN female XLR interface, for DMX communication
8	DMX input	3PIN male XLR interface, for DMX communication
9	Insurance rings	Connecting wire rope to prevent illegal operation and fall
10	LED display	For setting model
11	DMX indicator	In DMX model, red indicate light on after DMX connected,
12	SLAVE indicator	In slave model, orange indicate light on
13	AUTO indicator	In Auto model, blue indicate light on.
14	MUSIC indicator	In sound model, green indicate light on.

Menu operating instruction

Once after every power on laser, the VERSION and MANUFACTURE INFORMATION will be shown in LCD monitor of rear panel. When laser is powered on, LCD monitor on rear panel shows the current operating standalone mode or DMX address of DMX mode. With help of LCD control panel, is very easy to set and change the operating mode of laser. After every resetting and saved, the new mode information will be shown on LCD monitor at next power on.

FUNC   Mode Option, to choose the operating mode of laser.
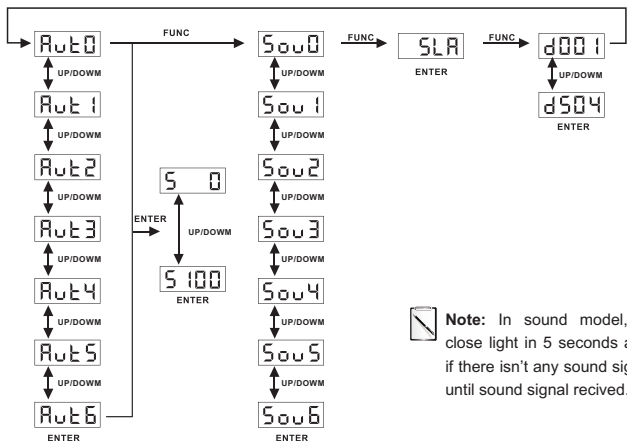
ENTER   Confirmation, to confirm the laser to show the present mode at the next operation.

UP   DOWN   UP/DOWN, to change operating mode, parameter or DMX address.

Note: In sound model, device will close light in 5 seconds automatically, if there isn't any sound signal. Light on until sound signal recived.

Initial

FUNC	UP DOWN	ENTER into speed choice	ENTER
Auto	Aut 0 laser+RGBWA+8/W Aut 1 laser+ RGBWA Aut 2 laser +8/W Aut 3 RGBWA+8/W Aut 4 RGBWA Aut 5 laser Aut 6 8/W	UP/DOWN to choose display speed. S 1 is fastest S100 is slowest S 0 is defualt	confirm
Sound	Sou 0 laser+RGBWA+8/W Sou 1 laser +RGBWA Sou 2 laser+8/W Sou 3 sound RGBWA+8/W Sou 4 sound RGBWA Sou 5 sound laser show Sou 6 sound 8/W	Confirm choice, adjust sensitivity by potentiometer	
SLAVE	It's work will follow the procedure in host device by DMX signal	LED letter strobes means DMX signal or SLAVE signal is not connected well, please check cable, control panel and other equipments.	
DMX	D001 TO D504		

6

DMX instructions

✋ This device adopts large storage and high speed chip, which has been written lots of effect based on laser light DMX application. There are many kinds of model in channel one.

Channel	Value	Function
CH1 MODE	000-009	Blackout
	010-024	AUT0
	025-039	AUT1
	040-054	AUT2
	055-069	AUT3
	070-084	AUT4
	085-099	AUT5
	100-114	AUT6
	115-129	SOU0
	130-144	SOU1
	145-159	SOU2
	160-174	SOU3
	175-189	SOU4
	190-204	SOU5
	205-220	SOU6
	221-255	DMX MODE
CH2 LED operation	000-009	Blackout
	010-014	Red
	015-019	Green
	020-024	Blue
	025-029	Amber
	030-034	White
	035-039	White+red 15
	040-044	Red+green 12
	045-049	Green+blue 23
	050-054	Blue+amber 34
	055-059	Amber+white45
	060-064	White+green 25
	065-069	Green+amber 24
	070-074	Amber+red 14
	075-079	Red+blue
	080-084	Blue+ White
	085-089	Red+green+blue 123
	090-094	Red+green+amber 124

DMX instructions

Channel	Value	Function
CH2 LED operation	095-099	Red+green+white 125
	100-104	Red+amber+blue 134
	105-109	Red+white+blue 135
	110-114	Red+amber+white 145
	115-119	Amber+green+blue 234
	120-124	Blue+green+white 235
	125-129	Amber+green+white 245
	130-134	Amber+white+blue 345
	135-139	Red+green+blue+amber 1234
	140-144	Red+white+blue+amber 1345
	145-149	Red+green+white+amber 1245
	150-154	Red+green+blue+white 1235
	155-159	White+green+blue+amber 2345
	160-164	Red+green+blue+amber+white
	165-209	Automatic(single colors only)
	210-255	Automatic(two colors at a time)
CH3		Automatic Speed(when CH2 is between 160-255)
	000-255	Slow-fast(only colors)
CH4 LED STROBE	000-004	No Function
	005-254	Strobe(slow->fast)(max 30HZ)
	255-255	Sound-activated strobe mode
CH5 8PCS WHITE LED CONTROL	000-009	Blackout闭光
	010-019	Picture1((slow->fast)
	020-029	Picture2((slow->fast)
	030-039	Picture3((slow->fast)
	040-049	Picture4((slow->fast)
	050-059	Picture5((slow->fast)
	060-069	Picture6((slow->fast)
	070-079	Picture7((slow->fast)
	080-089	Picture8((slow->fast)
	090-099	Picture9((slow->fast)
	100-109	Picture10((slow->fast)
	110-255	ON
CH6 LASER	000-009	Black out
	010-049	Red on
	050-089	Green on
	090-129	Red & Green on
	130-169	Green on & Red strobe
	170-209	Red on & Green strobe
	210-255	Red & Green(alternate strobe)

DMX instructions / Product specification

Channel	Value	Function
CH7 LASER STROBE	000-004	No Function
	005-254	Strobe(slow->fast)(max 30HZ)
	255-255	Sound-activated strobe mode
CH8 MOTO LED	000-004	Stop
	005-127	Rotate clockwise(slow->fast)
	128-133	Stop
	134-255	Rotate counter-clockwise(slow->fast)
CH9 MOTO LASER	000-004	Stop
	005-127	Rotate clockwise
	128-133	Stop
	134-255	Rotate counter-clockwise

Product sp

Dimension and weight	
LengthxWidth xHeight	240x220x110mm
Weight	4. 2Kg
Power input	
Power type	Switch power（International）
Range	100-240V 50/60Hz
Rate	66W
Fuse	1.6A
Light source	
Type	Class 3B Laser Diodes / LED CHIP
Power	Detail as below
Quantity/color	1/Red 1/Green
Laser power rate	150mW 50mW
Wave length	650nm 532nm
Quantity/color	1/Red 1/Green 1/Blue 1/Orange 1/White 8/White
LED power rate	3W 3W 3W 3W 3W 1W
Wave length	620nm 520nm 460nm 600nm 6500K
Work environment	
Max temperature	104ºF（40ºC）
Cool system	Fan
Control	
AUTO	6
SOUND	6
channel	9