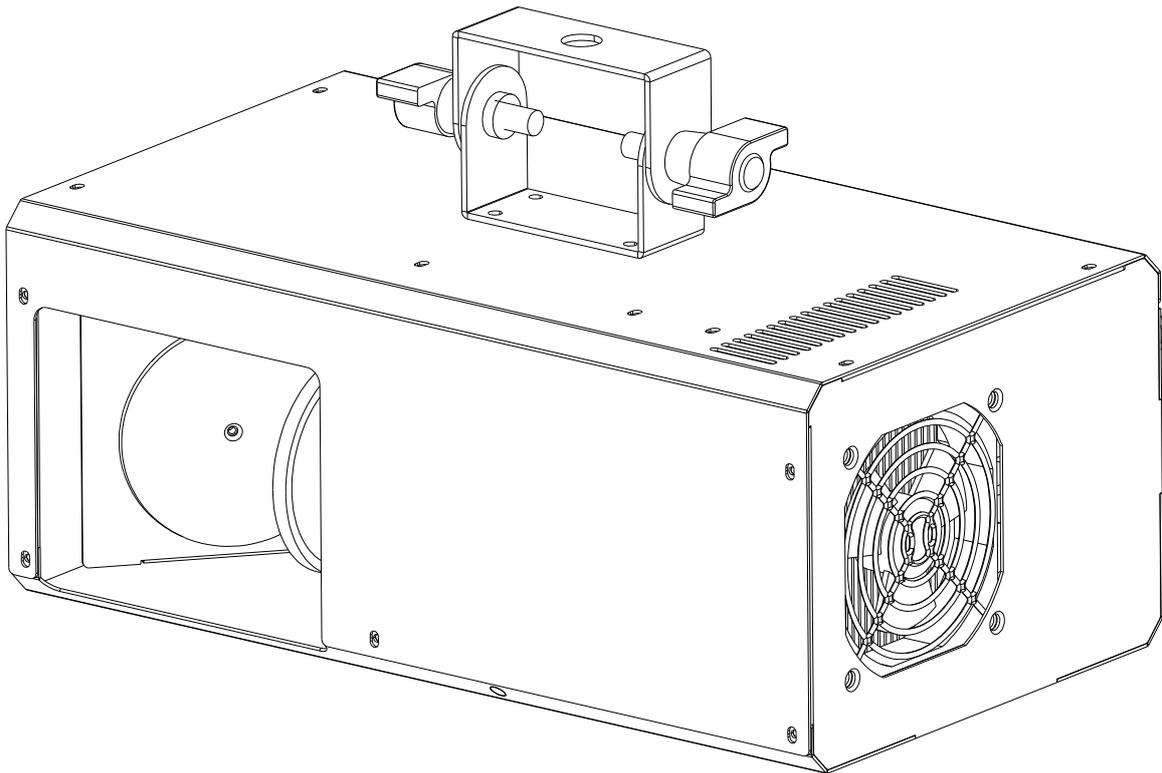


# DELUSION

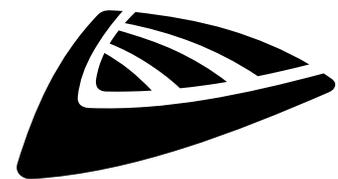


## ENGLISH Operation Manual

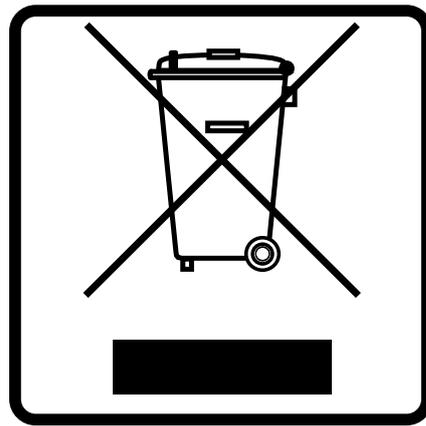
Other languages can be downloaded from:  
[WWW.JB-SYSTEMS.EU](http://WWW.JB-SYSTEMS.EU)



*Version: 1.0*



**JB SYSTEMS**



### **EN - DISPOSAL OF THE DEVICE**

Dispose of the unit and used batteries in an environment friendly manner according to your country regulations.

### **FR - DÉCLASSER L'APPAREIL**

Débarrassez-vous de l'appareil et des piles usagées de manière écologique Conformément aux dispositions légales de votre pays.

### **NL - VERWIJDEREN VAN HET APPARAAT**

Verwijder het toestel en de gebruikte batterijen op een milieuvriendelijke manier conform de in uw land geldende voorschriften.

### **DU - ENTSORGUNG DES GERÄTS**

Entsorgen Sie das Gerät und die Batterien auf umweltfreundliche Art und Weise gemäß den Vorschriften Ihres Landes.

### **ES - DESHACERSE DEL APARATO**

Reciclar el aparato y pilas usadas de forma ecologica conforme a las disposiciones legales de su país.

### **PT - COMO DESFAZER-SE DA UNIDADE**

Tente reciclar a unidade e as pilhas usadas respeitando o ambiente e em conformidade com as normas vigentes no seu país.

# OPERATION MANUAL

Thank you for buying this JB Systems product. To take full advantage of all possibilities and for your own safety, please read these operating instructions very carefully before you start using this unit.

## FEATURES

- The Delusion is designed to project multiple decorative and relaxing effect lights:
  - CLOUDS and SKY: projection of 2 different white/blue cloud patterns
  - WATER: projection of 2 different water patterns
  - INFERNO and FIRE: projection of 2 different fire patterns
  - HALLUCINATION: projection of various bizarre patterns with multiple colors
- Perfect for wall projections in lounge bars, showrooms, indoor theme parks, ...
- The wide 80° projection angle provides a large projection surface at a short distance
- The 100W white LED ensures saturated colors and low power consumption
- Equipped with 2 effect wheels, 1 color wheel with 6 dichroic colors and a parabolic mirror
- Multiple operating modes:
  - DMX controlled via 3, 5 or 7 channels
  - Standalone mode (static or audio controlled)
  - Controllable via the optional IR-3 remote control

## BEFORE USE

- Before you start using this unit, please check if there's no transportation damage. Should there be any, do not use the device and consult your dealer first.
- **Important:** This device left our factory in perfect condition and well packaged. It is absolutely necessary for the user to strictly follow the safety instructions and warnings in this user manual. Any damage caused by mishandling are not subject to warranty. The dealer will not accept responsibility for any resulting defects or problems caused by disregarding this user manual.
- Keep this booklet in a safe place for future consultation. If you sell the fixture, be sure to add this user manual.

### Check the contents:

Check that the carton contains the following items:

- DELUSION unit
- Power cable
- Operating instructions

## SAFETY INSTRUCTIONS:



### CAUTION

RISK OF ELECTRIC SHOCK  
DO NOT OPEN



**CAUTION:** To reduce the risk of electric shock, do not remove the top cover. No user-serviceable parts inside. Refer servicing to qualified service personnel only.



The lightning flash with arrowhead symbol within the equilateral triangle is intended to alert the user or the presence of un-insulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock.



The exclamation point within the equilateral triangle is intended to alert the user to the presence of important operation and maintenance (servicing) instructions in the literature accompanying this appliance.



This symbol means: indoor use only



This symbol means: Read instructions



This symbol determines: the minimum distance from lighted objects. The minimum distance between light-output and the illuminated surface must be more than 1 meters

### RISK GROUP 2

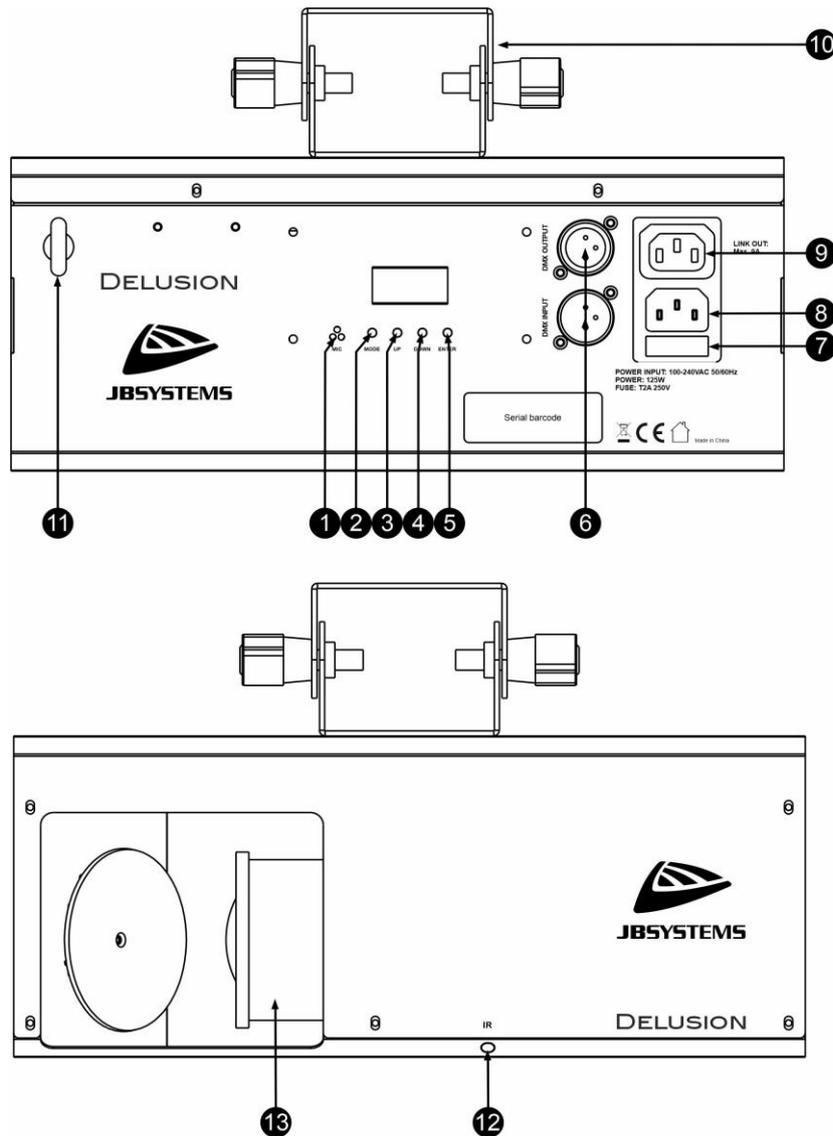
**CAUTION:**  
Do not stare at operating lamp

**CAUTION:** Do not stare at operating lamp.  
May be harmful to the eyes.

- To protect the environment, please try to recycle the packing material as much as possible.
- To prevent fire or shock hazard, do not expose this appliance to rain or moisture.
- To avoid condensation to be formed inside, allow the 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 damages.
- This unit is for indoor use only.
- Don't place metal objects or spill liquid inside the unit. Electric shock or malfunction may result. If a foreign object enters the unit, immediately disconnect the mains power.
- Locate the fixture in a well ventilated spot, away from any flammable materials and/or liquids. The fixture must be fixed at least 50cm from surrounding walls.
- Don't cover any ventilation openings as this may result in overheating.
- Prevent use in dusty environments and clean the unit regularly.
- Keep the unit away from children.
- Inexperienced persons should not operate this device.
- Maximum safe ambient temperature is 40°C. Don't use this unit at higher ambient temperatures.
- Make sure the area below the installation place is free from unwanted persons during rigging, de-rigging and servicing.
- Allow the device about 10 minutes to cool down before to start servicing.
- Always unplug the unit when it is not used for a longer time or before to start servicing.
- The electrical installation should be carried out by qualified personal only, according to the regulations for electrical and mechanical safety in your country.
- Check that the available voltage is not higher than the one stated on the unit.
- The power cord should always be in perfect condition. Switch the unit immediately off when the power cord is squashed or damaged. It must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- Never let the power-cord come into contact with other cables!
- This fixture must be earthed in order to comply with safety regulations.
- Don't connect the unit to any dimmer pack.
- Always use an appropriate and certified safety cable when installing the unit.
- In order to prevent electric shock, do not open the cover. Apart from the mains fuse there are no user serviceable parts inside.
- **Never** repair a fuse or bypass the fuse holder. **Always** replace a damaged fuse with a fuse of the same type and electrical specifications!
- In the event of serious operating problems, stop using the fixture and contact your dealer immediately.
- The housing and the lenses must be replaced if they are visibly damaged.
- Please use the original packing when the device is to be transported.
- Due to safety reasons it is prohibited to make unauthorized modifications to the unit.

**Important:** Never look directly into the light source! Don't use the effect in the presence of persons suffering from epilepsy.

**DESCRIPTION:**



1. Microphone for audio-controlled shows
2. Menu/Back button
3. Up button
4. Down button
5. Enter button
6. DMX input/output
7. Fuse socket
8. IEC power input
9. IEC power output for daisy chaining (max 9A)
10. Hanging bracket with 2 knobs on both sides to fasten the unit and a mounting hole to fix a mounting hook.
11. Safety eye: used to fix the optional safety cable (see rigging instructions)
12. IR sensor
13. Focus adjustment lens

## **OVERHEAD RIGGING**

**Important:** 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 requires 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.
- Before rigging make sure that the installation area can hold a minimum point load of 10times the device's weight.
- Always use a certified safety cable that can hold 12times the weight of the device when installing the unit. This secondary safety attachment should be installed in a way that no part of the installation can drop more than 20cm if the main attachment fails.
- The device should be well fixed; a free-swinging mounting is dangerous and may not be considered!
- Don't cover any ventilation openings as this may result in overheating.
- The operator has to make sure that the safety-relating and machine-technical installations are approved by an expert before using them for the first time. The installations should be inspected every year by a skilled person to be sure that safety is still optimal.



## **SETUP MENU / HOW TO SETUP**

<b>Addr</b>	d.001-512	
<b>CHnd</b>	3/5/7CH	
<b>SLnd</b>	SL-1/2	
<b>mASt</b>	On/off	
<b>SHnd</b>	Sh0-Sh8	SP0-99
<b>SoUn</b>	On/off	
<b>SEnS</b>	0-100(80)	
<b>dMSt</b>	bLnd	
	LAsT	
	Show	
<b>LEd</b>	On/off	
<b>diSP</b>	Disp/dsip	
<b>TEmP</b>	xxx	Temperature
<b>FHrS</b>	xxxx	Fixture Hour
<b>DeFA</b>	Yes or No	Factory Default
<b>vEr</b>	vxxx	Software version

### **Addr**

**Used to set the desired DMX-address.**

- Press the [MENU] button or [UP/DOWN] buttons until the desired function is showing on the display.
- Press the [ENTER] button: the DMX value can now be changed
- Use [UP/DOWN] buttons to select the desired DMX512 address.
- Once the correct address shows on the display, press the [ENTER] button to save it.

### **CHnd**

**Used to set the desired DMX mode.**

- Press the [MENU] button or [UP/DOWN] buttons until the desired function is showing on the display.
- Press the [ENTER] button: the DMX mode can now be changed
- Once the correct mode shows on the display, press the [ENTER] button to save it.

**mASt**

Used to set the projector as slave in a master/slave setup.

- Press the [MENU] button or [UP/DOWN] buttons until the desired function is showing on the display.
- Press the [ENTER] button: The values can be changed.

**SHnd**

Used to change the effect in a stand-alone or master/slave setup.

- Press the [MENU] button or [UP/DOWN] buttons until the desired function is showing on the display.
- Press the [ENTER] button: The effect can be changed.
  - Show 0: random show 1-8
  - Show 1: [Clouds]
  - Show 2: [Sky]
  - Show 3: [Water 1]
  - Show 4: [Water 2]
  - Show 5: [Water 3]
  - Show 6: [Inferno]
  - Show 7: [Fire]
  - Show 8: [Hallucination]
- Press the [ENTER] button: the speed of the effect can be changed using the [UP/DOWN] buttons

**SoUn**

Used to activate the sound mode

- Press the [MENU] button or [UP/DOWN] buttons until the desired function is showing on the display.
- Press the [ENTER] button: The values can be changed.

**SenS**

Used to set the sensitivity of the microphone for sound mode

- Press the [MENU] button or [UP/DOWN] buttons until the desired function is showing on the display.
- Press the [ENTER] button: The values can be changed.

**dmSt**

Used to set the behavior when DMX is lost

- Press the [MENU] button or [UP/DOWN] buttons until the desired function is showing on the display.
- Press the [ENTER] button: The values can be changed.
  - [LAsT]: hold the last received values
  - [mASt]: Master mode
  - [bLnd]: turn off the light source

**Disp**

Used to invert the display

- Press the [MENU] button or [UP/DOWN] buttons until the desired function is showing on the display.
- Press the [ENTER] button: The values can be changed.

**Led**

Used to turn off the menu display

- Press the [MENU] button or [UP/DOWN] buttons until the desired function is showing on the display.
- Press the [ENTER] button: The values can be changed.

**Temp**

Used to read the current temperature of the LED

- Press the [MENU] button or [UP/DOWN] buttons until the desired function is showing on the display.
- Press the [ENTER] button: The values can be changed.

**Fhrs**

Used to read the active fixture time

- Press the [MENU] button or [UP/DOWN] buttons until the desired function is showing on the display.
- Press the [ENTER] button: The values can be changed.

**Defa**

**Used to reset the default options**

- Press the [MENU] button or [UP/DOWN] buttons until the desired function is showing on the display.
- Press the [ENTER] button: The values can be changed.

**ver**

**Used to reset the default options**

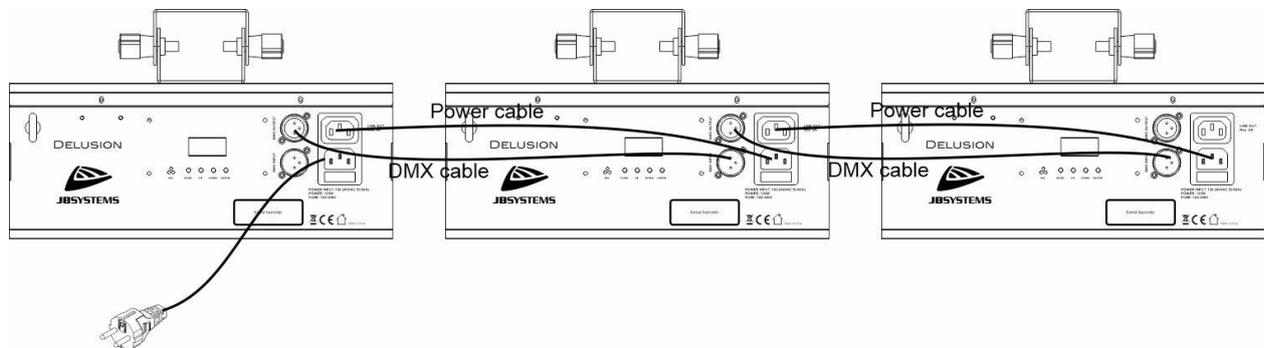
- Press the [MENU] button or [UP/DOWN] buttons until the desired function is showing on the display.
- Press the [ENTER] button: The values can be changed.

**ELECTRICAL INSTALLATION**

**!** Important: The electrical installation should be carried out by qualified personal only, according to the regulations for electrical and mechanical safety in your country.

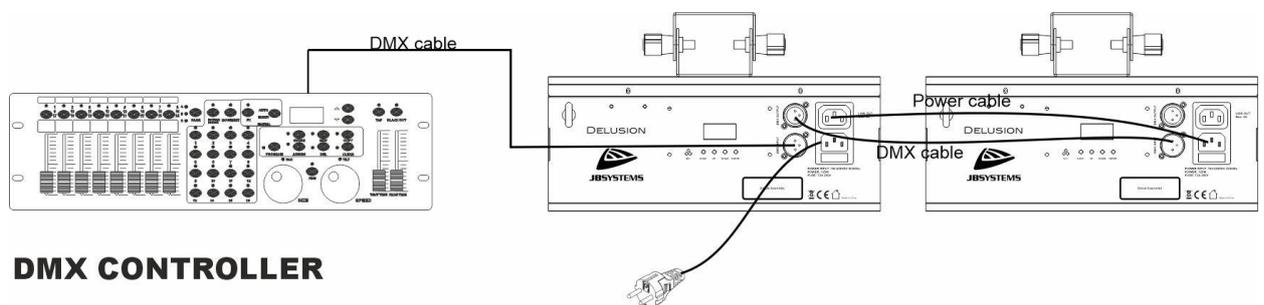
**Master / Slave mode:**

Connect the projectors together as shown on the drawing. Please refer to the paragraph "SETUP MENU" to setup the master. All slaves must be set to SLAVE-mode.



**Electrical installation for two or more units in DMX-mode:**

- The DMX-protocol is a widely used high speed signal to control intelligent light equipment. You need to "daisy chain" your DMX controller and all the connected units.
- Pin layout XLR-3pin: Pin1 = GND ~ Pin2 = Negative signal (-) ~ Pin3 = Positive signal (+)
- To prevent strange behavior of the light effects, due to interferences, you must use a 90Ω to 120Ω terminator at the end of the chain. Never use Y-splitter cables, this simply won't work!
- Make sure that all units are connected to the mains.
- Each unit in the chain needs to have its proper starting address so it knows which commands from the controller it has to decode.



**DMX CONTROLLER**

# OPERATING INSTRUCTIONS

## A. Standalone 1unit:

- Just connect the projector to the mains.
- Select an effect to be played and adjust the speed.
- Refer to chapter HOW TO SETUP to learn how to set the menu options.

## B. Controlled by universal DMX-controller:

- Connect all units together. Refer to the chapter “Electrical installation for two or more units in DMX-mode” to learn how to do this (don’t forget to address all units properly!)
- Connect all units to the mains and turn on the DMX controller.

Since each unit has its own DMX-address, you can control them individually. Remember that each unit can use a different number DMX-channels, depending on the DMX-mode you have selected in the menu. See the different DMX charts:

3CH	5CH	7CH	Function	Value	Notes	
1	1	1	Dimmer	000-255	Dimmer 0-100%	
--	2	2	Strobe	000-015	Black out	
				016-031	Open	
				032-159	Strobe, from slow to fast	
				160-175	Open	
				176-239	Random strobe	
				240-255	Open	
--	3	3	Color	000-127	Index	
				128-191	Clockwise rotation (fast-slow)	
				192-255	Counter-clockwise rotation (slow-fast)	
--	4	4	Glass wheel	000-127	Index	
				128-191	Clockwise rotation (fast-slow)	
				192-255	Counter-clockwise rotation (slow-fast)	
--	5	5	Rotating dish	000-127	Index	
				128-191	Clockwise rotation (fast-slow)	
				192-255	Counter-clockwise rotation (slow-fast)	
2	--	6	Show	000-003	No function	
				004-031	Show 0	All build in programs
				032-059	Show 1	Clouds (White)
				060-087	Show 2	Sky (1/2White + 1/2 Light blue)
				088-115	Show 3	Water effect1 (2/3light blue + 1/3blue)
				116-143	Show 4	Water effect2 (1/3Light blue + 2/3blue)
				144-171	Show 5	Water effect3 (2/3blue + 1/3red)
				172-199	Show 6	Inferno (Red)
				200-227	Show 7	Fire (1/3Red + 2/3Orange)
				228-255	Show 8	Hallucination
3	--	7	Show speed	000-255	Slow to fast	

**MAINTENANCE**

- Make sure the area below the installation place is free from unwanted persons during servicing.
- Switch off the unit, unplug the mains cable and wait until the unit has been cooled down.

**During inspection the following points should be checked:**

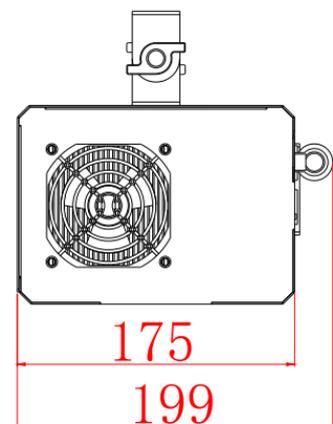
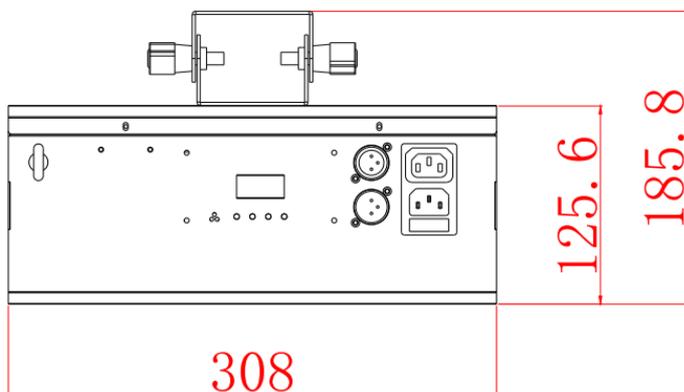
- All screws used for installing the device and any of its parts should be tightly fastened and may not be corroded.
- Housings, fixations and installations spots (ceiling, truss, suspensions) should be totally free from any deformation.
- When an optical lens is visibly damaged due to cracks or deep scratches, it must be replaced.
- The mains cables must be in impeccable condition and should be replaced immediately when even a small problem is detected.
- In order to protect the device from overheat the cooling fans (if any) and ventilation openings should be cleaned monthly.
- The interior of the device should be cleaned annually using a vacuum cleaner or air-jet.
- The cleaning of internal and external optical lenses and/or mirrors must be carried out periodically to optimize light output. Cleaning frequency depends on the environment in which the fixture operates: damp, smoky or particularly dirty surroundings can cause greater accumulation of dirt on the unit's optics.
  - Clean with a soft cloth using normal glass cleaning products.
  - Always dry the parts carefully.
  - Clean the external optics at least once every 30 days.
  - Clean the internal optics at least every 90 days.

**Attention: We strongly recommend internal cleaning to be carried out by qualified personnel!**

**SPECIFICATIONS**

This unit is radio-interference suppressed. This product meets the requirements of the current European and national guidelines. Conformity has been established and the relevant statements and documents have been deposited by the manufacturer.

<b>Mains Input:</b>	AC 100-240V, 50/60Hz
<b>Power consumption:</b>	122W
<b>Power connections:</b>	IEC input/output
<b>DMX connections:</b>	3-pin XLR male/female
<b>Lamp:</b>	100W Warm white LED
<b>Beam angle:</b>	80°
<b>Fuse:</b>	250V 2A slow blow
<b>Sound Control:</b>	Yes
<b>Size:</b>	see drawing
<b>Weight:</b>	3.8kg



The information might be modified without prior notice  
 You can download the latest version of this user manual on our website: [www.jb-systems.eu](http://www.jb-systems.eu)





**JB SYSTEMS**

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**NL: Abonneer je vandaag nog op onze mailinglijst en ontvang ons laatste product nieuws!**

**DE: Abonnieren Sie unseren Newsletter und erhalten Sie aktuelle Produktinformationen!**

**ES: Suscríbete hoy a nuestra lista de correo para recibir las últimas noticias!**

**PT: Inscreva-se hoje na nossa mailing list para estar a par das últimas notícias!**

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