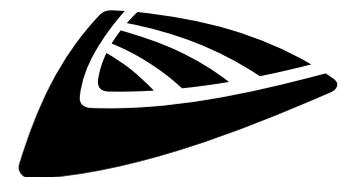


# PARTY SPOT



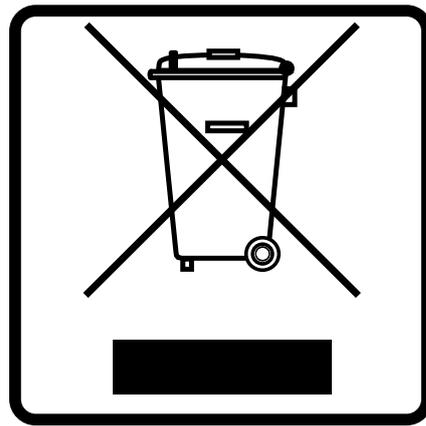
## ENGLISH Operation Manual

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

- Compact RGBW LED projector.
- Perfect for mobile applications or home party's
- Light-weight plastic housing and low power consumption.
- Different working modes:
  - Standalone: automatic / beat synchronized color patterns.
  - DMX-controlled: different channel modes with program selection and individual RGBW control.
  - Can be used with LEDCON-02 Mk2 or with the LEDCON-XL easy controller.
- 0-100% dimming and ultra-fast strobe function (no additional strobes needed!)
- 4digit LED-display for easy menu navigation
- Double bracket: easy when used as a floor spot !

## 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 is 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 packing contains the following items:

- Operating instructions
- PARTY SPOT unit
- Bracket + 2 rings + 2 knobs (install the rings between the bracket and the unit)
- Power Cable

## 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 x meters



The device is not suitable for direct mounting on normally flammable surfaces. (suitable only for mounting on non-combustible surfaces)



**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. 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.

## MAINTENANCE

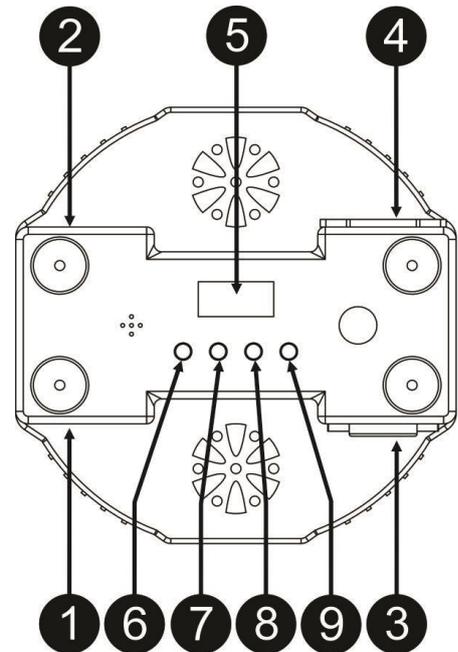
- Make sure the area below the installation place is free from unwanted persons during servicing.
  - Switch off the unit, unplug the mains cable and wait until the unit has been cooled down.
- During inspection the following points should be checked:**
- All screws used for installing the device and 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.

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

## DESCRIPTION:

1. **DMX INPUT:** 3pin male XLR-connector used to connect the projector with the DMX controller or with the previous unit in the DMX chain.
2. **DMX OUTPUT:** 3pin female XLR-connector used to connect the projector with the next unit in the DMX chain.
3. **Mains input:** with IEC socket and integrated fuse holder, connect the supplied mains cable here..
4. **Mains output** with IEC socket: you can use a special Male/Female IEC power cable to connect this output with the mains input of the next Party Spot for easier linking up to 10A. you can also use our [JB Systems Combi Cable] to link power and dmx signal with one cable.
5. **DISPLAY** shows the various menus and the selected functions.
6. **MODE button:** used to browse the different functions in the menu
7. **UP button:** to increase the values shown on the display.
8. **DOWN button:** to lower the values shown on the display.
9. **ENTER button:** used to confirm your choice or to enter the setup mode of a function.



## 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.
- 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.

# ELECTRICAL INSTALLATION

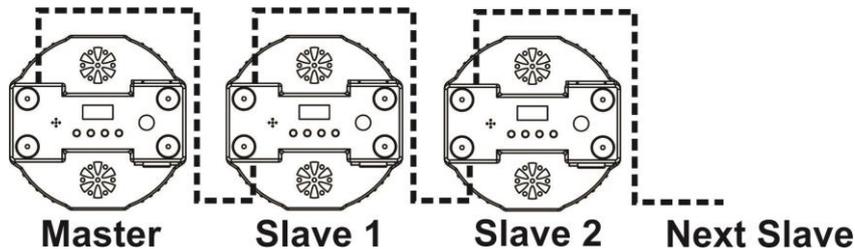
**⚠ Important:** The electrical installation should be carried out by qualified personal only, according to the regulations for electrical and mechanical safety in your country.

### Electrical installation for 1 standalone unit:

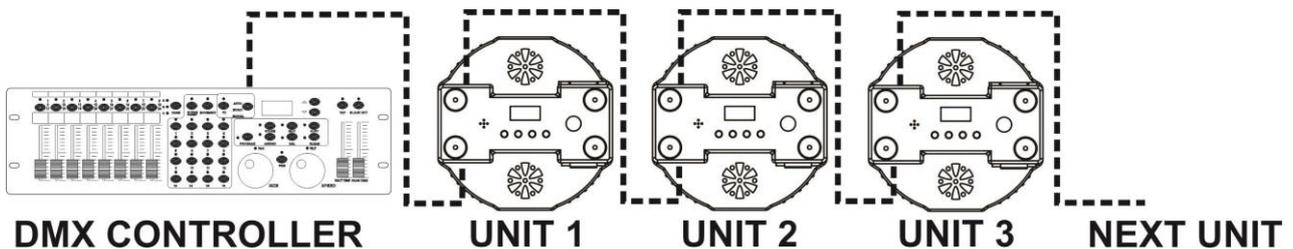
- Insert the mains cable. The unit starts working immediately in the last selected mode.
- Refer to chapter HOW TO SETUP to learn how to switch between the different working modes.

### Electrical installation for two or more units in master/slave:

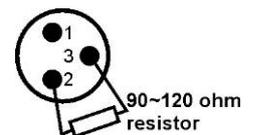
- Connect several units together using good quality balanced microphone cables. The unit that has no cable connected to its DMX-input is the "master", the others are the slave units.
- Select DMX channel mode [8ch] and DMX address 001 for all the slaves. (Refer to chapter HOW TO SETUP for more information)
- Make sure that all units are connected to the mains.
- Done!



### 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 with a good quality balanced cable.
- 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 light effect in the chain needs to have its proper start address so it knows which commands from the controller it has to decode. In the section HOW TO SETUP you will learn how to set the DMX addresses. If for example you use the 4 channel DMX mode, a possible address setup could be: unit1 = 001 ~ unit2 = 005 ~ unit3 = 009 ~ unit4 = 013 ~ etc.



## HOW TO SETUP:

### DMX512 Address Setting

Used to set the start address in a DMX setup.

- Press the MENU button until **Axxx** (A followed by 3 numbers) is shown on the display.
- Use the DOWN and UP buttons to change the DMX address.
- Once the correct address is shown on the display, press the ENTER button to confirm.

**DMX Channel Mode**

The unit has 4 different DMX channel modes. With this function you can choose the DMX mode you want to use.

- Press the MENU button until **4ch, LC02, 6ch or 8ch** is shown on the display.
- Use the DOWN and UP buttons if you would like to change the DMX channel mode
- Press the ENTER button to confirm

**AUTOMATIC CHASE MODE [CC]:**

Used to set the automatic Chase Mode so colors will change automatically at a constant speed.

- Press the MENU button until **CC..** (CC followed by 2 numbers) is shown on the display.
- Use the DOWN and UP buttons to set the speed of the effect. (00=slow, 99=fast).
- Press the ENTER button to confirm

**AUTOMATIC FADE MODE [CF]:**

Used to set the automatic Color Fade Mode. Colors will smoothly fade-over into each other at a constant speed.

- Press the MENU button until **CF..** (CF followed by 2 numbers) is shown on the display.
- Use the DOWN and UP buttons to set the speed of the effect. (00=slow, 99=fast).
- Press the ENTER button to confirm

**AUTOMATIC PULSE MODE [CG]:**

Used to set the automatic Pulse Mode so each color will fade in, then fade out at a constant speed.

- Press the MENU button until **CG..** (CG followed by 2 numbers) is shown on the display.
- Use the DOWN and UP buttons to set the speed of the effect. (00=slow, 99=fast).
- Press the ENTER button to confirm

**AUTOMATIC SOUND MODE [SoUn]**

Used to select the automatic Sound Mode so colors will change automatically to the sound of the music.

- Press the MENU button until **[SoUn]** is shown on the display.
- Press the ENTER button to confirm.

**DISPLAY ON/OFF:**

Used to select if the display should go out when not in use or if it should be always lit.

- Press the MENU button until **[-on-]** or **[-oFF]** is shown on the display.
- Use the DOWN and UP buttons to select
  - [-on-] : display always lit
  - [-oFF] : when you don't navigate in the menu, the display goes off after a couple of seconds
- Press the ENTER button to confirm

**STATIC COLOR MODE:**

Used to set a static color for the projector.

- **Set the 4 basic colors (red-green-blue-white) manually to compose precisely the exact color you need:**
  - Press the [MENU] button until **r...** (r followed by 3 numbers) is shown on the display
  - Use [DOWN] and [UP] buttons to change the intensity of the Red color (000=minimum, 255=maximum).
  - Press [ENTER] to confirm
  - Press the [MENU] button until **G...** (G followed by 3 numbers) is shown on the display
  - Use [DOWN] and [UP] buttons to change the intensity of the Green color (000=minimum, 255=maximum).
  - Press [ENTER] to confirm
  - Press the [MENU] button until **b...** (b followed by 3 numbers) is shown on the display
  - Use [DOWN] and [UP] buttons to change the intensity of the Blue color (000=minimum, 255=maximum).
  - Press [ENTER] to confirm
  - Press the [MENU] button until **o...** (o followed by 3 numbers) is shown on the display
  - Use [DOWN] and [UP] buttons to change the intensity of the White color (000=minimum, 255=maximum).
  - Press [ENTER] to confirm

# OPERATING INSTRUCTIONS

## A. Standalone 1unit:

- Just connect the projector to the mains.
- Select one of the automatic, sound or static color modes  
(Refer to chapter HOW TO SETUP to learn how to make the settings)

## B. Standalone: several units in master/slave configuration:

- Connect all the projectors to the mains.
- Select one of the automatic, sound or static color modes in the Master unit (the first unit in the chain that has no DMX cable connected to its input.  
(Refer to chapter HOW TO SETUP to learn how to make the settings)
- Select DMX channel mode [8ch] and DMX address 001 for all the slaves.
- The slave units will now follow the orders of the master unit and execute the same patterns.

## C. Controlled by a 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.
- Put the projector in DMX mode: select A...(A followed by 3 numbers) and select the DMX address you need.
- If no DMX signal is received, the display will blink.

Since each unit has its own DMX-address, you can control them individually. Remember that each unit uses 4, 6 or 8 DMX-channels, depending on the DMX-mode you have selected in the menu. See the different DMX charts below:

### DMX Chart for the 4 channel DMX-Mode

Simple RGBW control without master dimmer.

Use this mode with the Ledcon-XL controller. (master dimmer and strobe channel will be generated by the controller)

Channel:	Value:	Function:
1	000-255	Red (0-100%)
2	000-255	Green (0-100%)
3	000-255	Blue (0-100%)
4	000-255	White (0-100%)

### DMX Chart for the LC02 4 channel DMX-Mode

Select this DMX-mode while using the LEDCON-02 Mk2 easy controller.

Channel:	Value:	Function:
1	000-255	Red (0-100%)
2	000-255	Green (0-100%)
3	000-255	Blue (0-100%)
4	000-190	Master dimmer (0-100%)
	191-200	Sound control
	201-247	Strobe (slow to fast)
	248-255	Master dimmer full on

### DMX Chart for the 6 channel DMX-Mode

Standard mode.

Channel:	Value:	Function:
1	000-255	Master dimmer (0-100%)
2	000-006	Strobe OFF
	007-255	Strobe (slow to fast)
3	000-255	Red (0-100%)
4	000-255	Green (0-100%)
5	000-255	Blue (0-100%)
6	000-255	White (0-100%)

**DMX Chart for the 8 channel DMX-Mode**

The most advanced DMX-mode with extra automatic effect modes.

Channel:	Value:	Function:
1	000-255	Master dimmer (0-100%)
2	000-006	Strobe OFF
	007-255	Strobe (Slow to Fast)
3	000-050	Manual Control
	051-100	Color Chase
	101-150	Color Fade
	151-200	Color Pulse (each color fades in and fades out)
	201-255	Sound Controlled
4	000-255	Effect speed control (channel 3 = 051-200)
5	000-255	Red (0-100%)
6	000-255	Green (0-100%)
7	000-255	Blue (0-100%)
8	000-255	White (0-100%)

## 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.

**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.

This device was designed to produce decorative effect lighting and is used in light show systems.

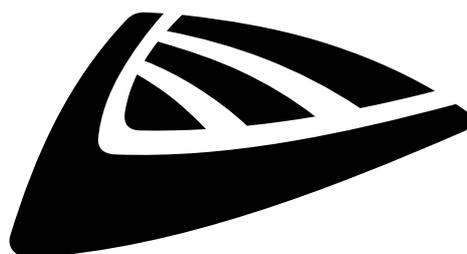
<b>Mains Input:</b>	110-240Vac, 50/60Hz
<b>Power consumption:</b>	60 Watt
<b>Fuse:</b>	250V 2A slow blow (20mm glass)
<b>Power linking (IEC in / out):</b>	max. total load = 10A
<b>Sound Control:</b>	Internal microphone
<b>DMX connections:</b>	XLR 3pin
<b>DMX modes:</b>	4, LC02, 6 and 8 DMX Channels
<b>LED Source:</b>	7x 4-in-1 LEDs (Red, Green, Blue, White)
<b>Beam angle:</b>	± 40°
<b>Size:</b>	190x190x140mm
<b>Weight:</b>	1 kg

**All the information is subject to change 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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