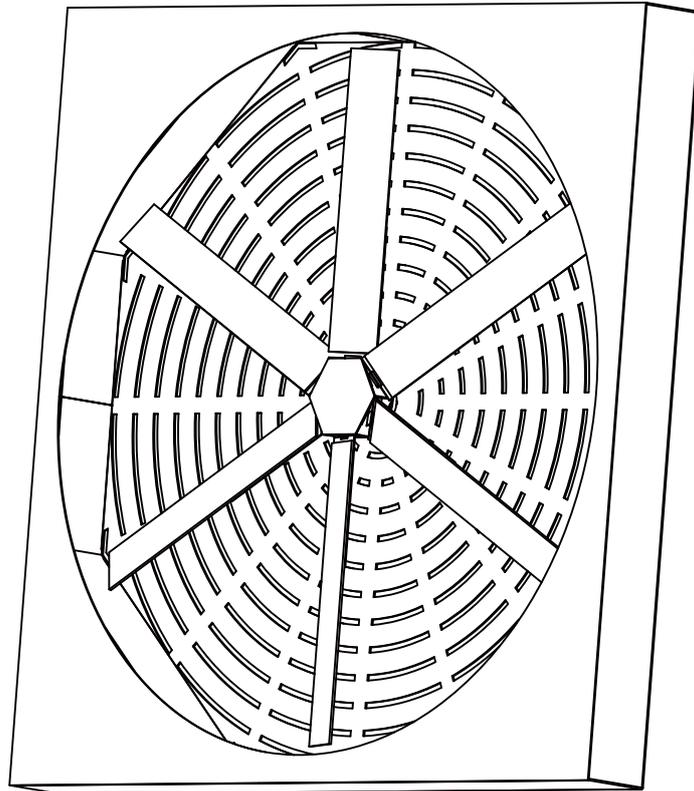


LED FAN RGB

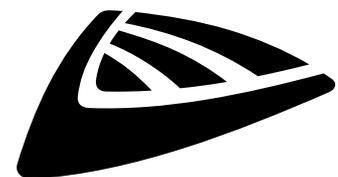


ENGLISH Operation Manual

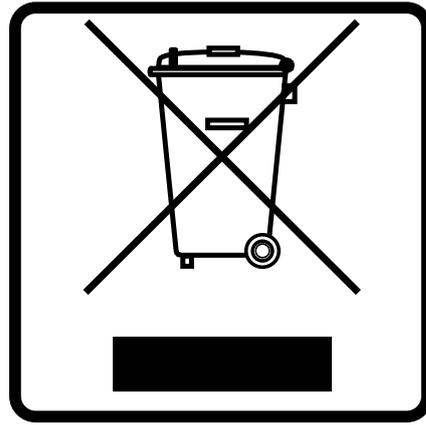
Other languages can be downloaded from:
WWW.JB-SYSTEMS.EU



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

- High power 50x50cm LED-EFFECT FAN
- 6 fan blades with a total of 486 RGB-leds
- 2 groups of 3 LED blades can be controlled individually
- Very slow to very fast bidirectional fan rotations
- Prepared for wireless DMX: just plug-in an optional WTR-DMX DONGLE ! (Briteq® order code: 4645)
- Different working modes:
 - **Standalone:** automatic or beat synchronized activation.
 - **Master/slave mode:** several units can be used together for wonderful automatic synchronized lightshows.
 - **DMX-controlled:** via 4, 8 or 11 DMX channels.
- Floor stands and omega suspension brackets are optionally available.
- Many applications possible: Discotheques, DJs, rental companies, ...
- 0-100% dimming and ultra-fast strobe function
- 4digit LED-display for easy menu navigation

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
- LED FAN RGB
- 2x Safety Eyebolt
- 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)



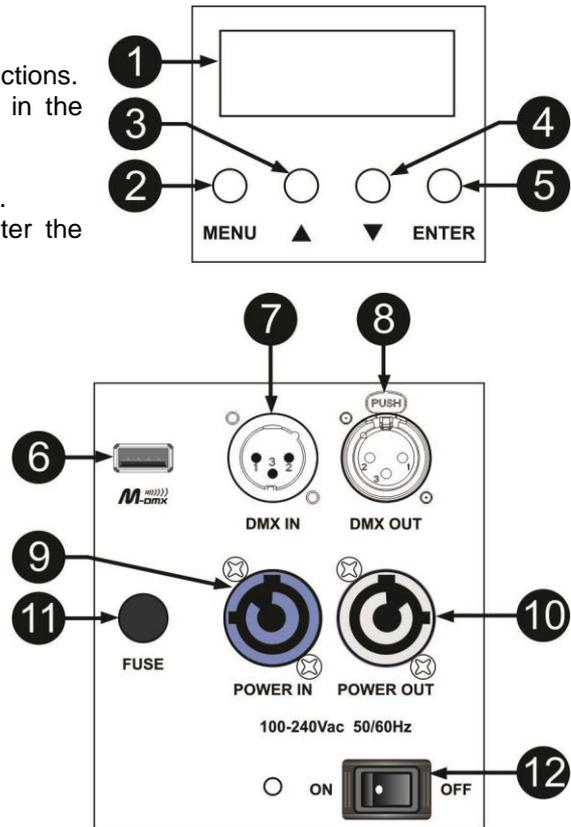
CAUTION: Do not stare at operating lamp.
May be harmful to the eyes.

- 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. Condensation 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.

DESCRIPTION:

1. **DISPLAY** shows the various menus and the selected functions.
2. **MENU button:** used to browse the different functions in the menu
3. **UP button:** to increase the values shown on the display.
4. **DOWN button:** to lower the values shown on the display.
5. **ENTER button:** used to confirm your choice or to enter the setup mode of a function.
6. **M-DMX INPUT:** Please note that this USB-connector is NOT used for updates or to connect the unit to a PC! Instead this USB-connector makes it very easy to add wireless DMX to the unit! Just add the (optional) WTR-DMX DONGLE from BRITEQ® and you will get wireless DMX! Moreover you will be able to connect other DMX-controlled equipment to the DMX-output so you can share the wireless DMX function with all connected units! No extra settings to be made in the setup menu, just follow the procedure in the user manual supplied with the WTR-DMX DONGLE from BRITEQ®. *The separate WTR-DMX DONGLE is available from WWW.BRITEQ-LIGHTING.COM (order code: 4645).*
7. **DMX INPUT:** 3pin male XLR-connector used to connect the unit with the DMX controller or with the previous unit in the DMX chain.
8. **DMX OUTPUT:** 3pin female XLR-connector used to connect the unit with the next unit in the DMX chain.
9. **Mains input:** connect the supplied mains cable here.
10. **Mains output:** you can use a special PowerCON® power cable to connect this output with the mains input of the next LED FAN RGB for easier linking up to 10A. Always pay attention to the maximum load while adding projectors! Special Multi cables PowerCON® + DMX XLR-cables are available on the market
11. **MAINS FUSE:** protects the unit in case of electrical problems, always use the prescribed fuse!
12. **POWER SWITCH:** used to switch the power of the unit on / off



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 the installation 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.

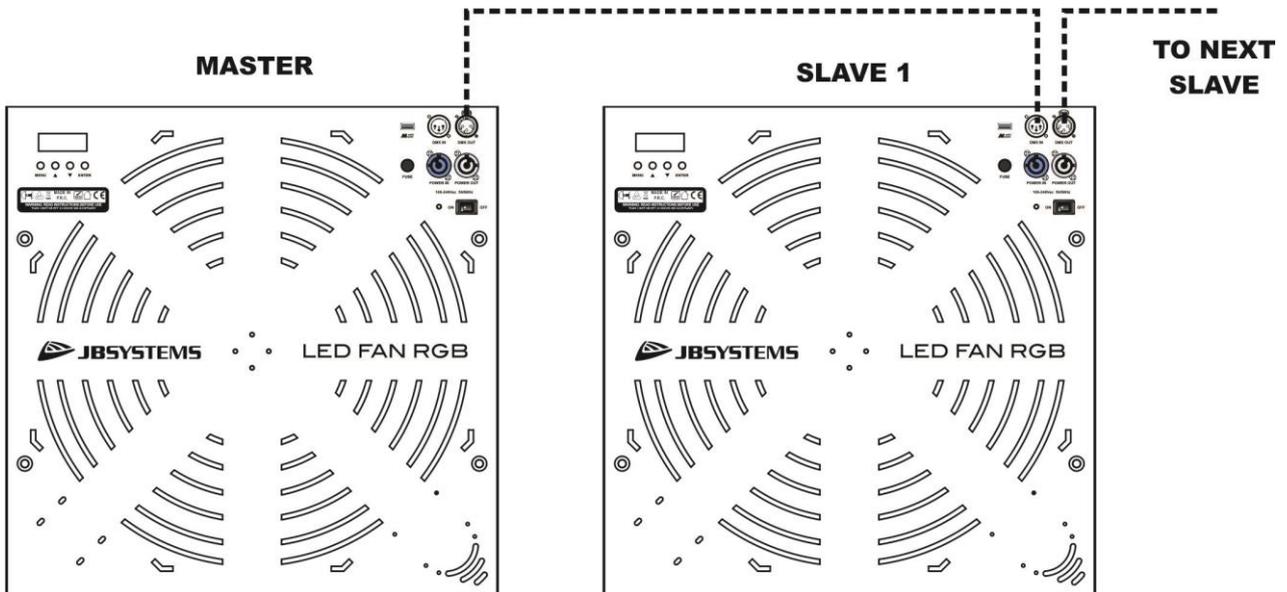
ELECTRICAL INSTALLATION

⚠ 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:

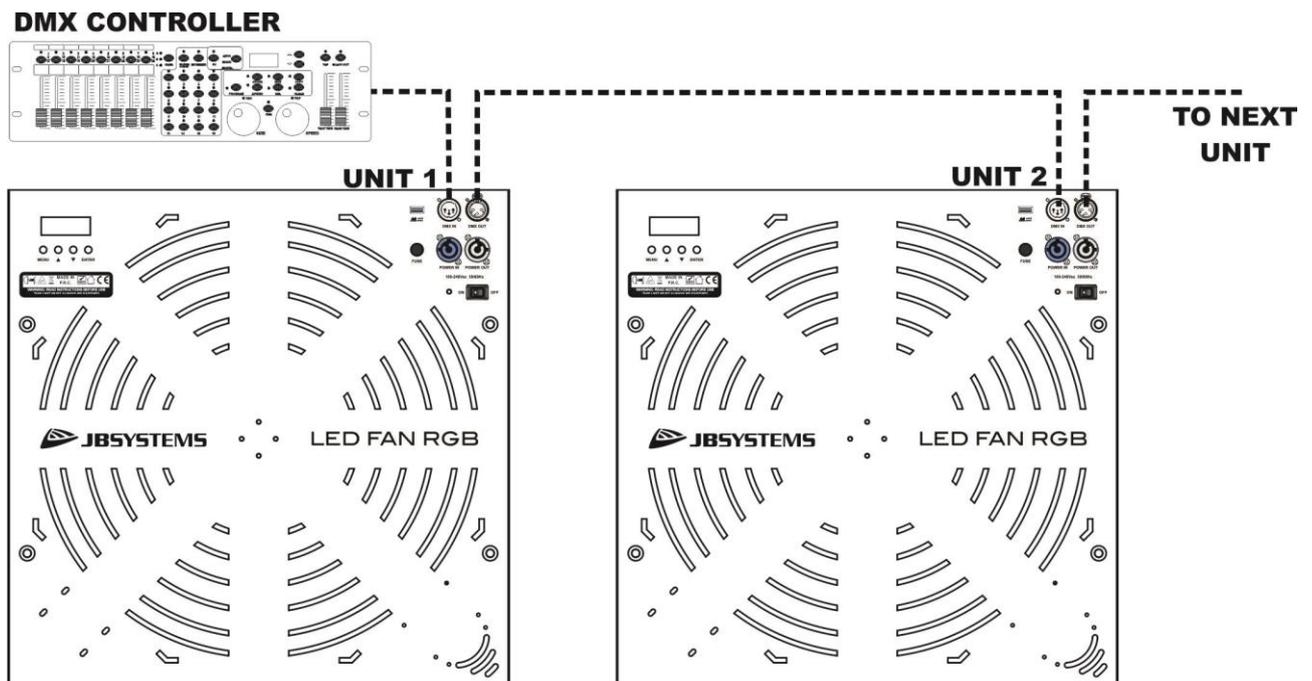
- Insert the mains cable. The unit starts working immediately in the last selected mode.
- Refer to chapter HOW TO SETUP to learn how to switch between the different working modes.

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

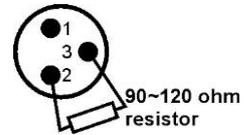


- Connect several units together using good quality balanced microphone cables. The unit that has no cable connected to its DMX-input is the “master”, the others are the slave units.
- Make sure that all units are connected to the mains.
- Refer to chapter HOW TO SETUP for more information.

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:

DMX 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.
- Press [ENTER] to access the function settings
- 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 3 different DMX channel modes. With this function you can choose the DMX mode you want to use. Refer to the DMX-charts to see the differences.

- Press the [MENU] button until [ChAn] is shown on the display.
- Press [ENTER] to access the function settings
- The channel mode will now appear on the display (4Ch – 8Ch or 11Ch)
- Use the DOWN and UP buttons if you would like to change the working mode
- Press the [ENTER] button to confirm

AUTOMATIC Modes:

Used to set an automatic Chase Mode at a constant speed or to activate the sound mode.

- Press the [MENU] button until [Auto] is shown on the display.
- Press [ENTER] to access the function settings
- Use the DOWN and UP buttons to browse the automatic programs:
 - **[Sound]** : Sound activated automatic mode.
 - Press [ENTER] if you want to activate this mode
 - **[FAde]** : Automatic Color Fade mode
 - Press [ENTER] if you want to activate this mode
 - SPxx (SP followed by 2 numbers) will appear on the display. This is the speed of the program.
 - Use the DOWN and UP buttons to change the speed (SP50 = slowest, SP00 = max. speed)
 - Press [ENTER] to confirm your setting
 - **[ChCL]** : Automatic Color Changer mode
 - Press [ENTER] if you want to activate this mode
 - SPxx (SP followed by 2 numbers) will appear on the display. This is the speed of the program.
 - Use the DOWN and UP buttons to change the speed (SP50 = slowest, SP00 = max. speed)
 - Press [ENTER] to confirm your setting
 - **[Stro]** : Automatic Strobe mode
 - Press [ENTER] if you want to activate this mode
 - SPxx (SP followed by 2 numbers) will appear on the display. This is the speed of the program.
 - Use the DOWN and UP buttons to change the speed (SP50 = slowest, SP00 = max. speed)
 - Press [ENTER] to confirm your setting
 - **[FACH]** : Automatic Macro Color Change mode (2 separate sections)
 - Press [ENTER] if you want to activate this mode
 - SPxx (SP followed by 2 numbers) will appear on the display. This is the speed of the program.
 - Use the DOWN and UP buttons to change the speed (SP50 = slowest, SP00 = max. speed)
 - Press [ENTER] to confirm your setting

MANUAL Color Mode:

Set rotation, strobe and the 3 basic colors (red-green-blue) manually to compose precisely what you need:

- Press the [MENU] button until [**CoLo**] is shown on the display
- Press [ENTER] to access the function settings
- [red] will appear on the display
- Press [ENTER] if you want to modify the settings of the red color
- Use the UP and DOWN buttons to modify the intensity of the color
- Press [ENTER] to save your setting.
- You can now use DOWN and UP to go to the next color.
- ...
- Once the intensity settings for the red, green and blue color are done:
- Use UP button to go to the next option: [**Noto**] will appear on the display.
- Press [ENTER] if you want to modify the settings of the motor.
- Use DOWN and UP buttons to change the rotation speed or blade position:
 - 000 to 127 = no rotation / blade position
 - 128 to 255 = fast rotation to slow rotation
- Press [ENTER] to confirm
- Use UP button to go to the next option: [**Stro**] will appear on the display.
- Press [ENTER] if you want to modify the strobe setting.
- Use DOWN and UP buttons to change the strobe speed.
 - 000 = no strobe
 - 001 to 255 = fast strobe to slow strobe effect
- Press [ENTER] to confirm

MASTER/SLAVE Mode

Used when you want to have synchronized effects with several units. (when no controller is used and the first unit is running it's automatic programs or is set in a fixed color)

- Press the [MENU] button until [**MorS**] is shown on the display.
- Press [ENTER] to access the function settings
- Use DOWN and UP buttons to change the working mode:
 - [mASt] should be chosen for the first unit in the chain. This unit will control the other connected slave units
 - [SALu] should be chosen for all the unit in the chain that should follow the instructions of the "master" unit.
- Press [ENTER] to confirm

SOUND SENSITIVITY

Used when to set the sound sensitivity of the integrated microphone

- Press the [MENU] button until [**SEnS**] is shown on the display.
- Press [ENTER] to access the function settings
- Use DOWN and UP buttons to change the sensitivity from 1 (low) to 100 (high)
 - [mASt] should be chosen for the first unit in the chain. This unit will control the other connected slave units
 - [SALu] should be chosen for all the unit in the chain that should follow the instructions of the "master" unit.
- Press [ENTER] to confirm

REVERSE DISPLAY

Used to invert the display information when the unit is placed upside-down

- Press the [MENU] button until [**dISP**] is shown on the display.
- Press [ENTER] to access the function settings
- Use DOWN and UP buttons to change the setting
 - [YES] invert display (upside-down)
 - [no] don't invert display.
- Press [ENTER] to confirm

TEST

Used to check the LEDs and the motor

- Press the [MENU] button until [TEST] is shown on the display.
- Press [ENTER] to start the test
- Press [ENTER] or [MENU] to exit the test mode

WHITE BALANCE

Used to set the white balance of the unit.

NOTE: This function is protected with a password to avoid that unauthorized people would mess up the setting.

- Press the [MENU] button until [bALA] is shown on the display.
- Press [ENTER] to access the function settings
- Use DOWN and UP buttons to go to value 240. This is the code to enter the real white balance settings
- Press [ENTER] to confirm.
- [bred] appears on the display
- Press [ENTER] if you want to modify the settings of the red color
- Use the UP and DOWN buttons to modify the intensity of the color
- Press [ENTER] to save your setting.
- You can now use DOWN and UP to go to the next color.
- Press [MENU] to exit the settings

SOFTWARE VERSION

Used to check the software version that is installed in your unit

- Press the [MENU] button until [uer] is shown on the display.
- Press [ENTER] to check the information
- Press [ENTER] or [MENU] to exit

OPERATING INSTRUCTIONS**A. Standalone 1unit:**

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

B. Two or more units in master/slave setup:

- Connect the units together. Refer to the chapter “electrical installation” to learn how to do this.
- Select one of the automatic, sound or static color modes on the master (the first unit in the DMX chain)
- Set all the other units in SLAVE mode
- The slaves will now follow the program of the master unit so they all work synchronously.

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.
Since each unit has its own DMX-address, you can control them individually. Remember that each unit uses 4, 8 or 11 DMX-channels, depending on the DMX-mode you have selected in the menu. See the different DMX charts below:

4 channel DMX-Mode

Channel:	Value:	Function:	
1	000-255	Red (0-100%)	RED
2	000-255	Green (0-100%)	GREEN
3	000-255	Blue (0-100%)	BLUE
4	000-127	Position	MOTOR
	128-191	Clockwise Rotation (Fast > Slow)	
	192-255	Counter Clockwise Rotation (Fast > Slow)	

8 channel DMX-Mode

Channel:	Value:	Function:	
1	000-255	Master dimmer (0-100%)	DIMMER
2	000-015	No strobe	STROBE
	016-255	Strobe Speed: Slow to Fast	
3	000-015	No Function	COLOR MACRO
	016-071	Color Macro 1 (color jump)	
	072-127	Color Macro 2 (color fade)	
	128-183	Color Macro 3 (color jump 2 sections)	
	184-239	Color Macro 4 (color fade 2 sections)	
	240-255	Sound Control	
4	000-255	Macro Speed (Slow > Fast)	MACRO SPEED
5	000-255	Red (0-100%)	RED
6	000-255	Green (0-100%)	GREEN
7	000-255	Blue (0-100%)	BLUE
8	000-127	Position	MOTOR
	128-191	Clockwise Rotation (Fast > Slow)	
	192-255	Counter Clockwise Rotation (Fast > Slow)	

11 channel DMX-Mode

Channel:	Value:	Function:	
1	000-255	Master dimmer (0-100%)	DIMMER
2	000-015	No strobe	STROBE
	016-255	Strobe Speed: Slow to Fast	
3	000-015	No Function	COLOR MACRO
	016-071	Color Macro 1	
	072-127	Color Macro 2	
	128-183	Color Macro 3	
	184-239	Color Macro 4	
	240-255	Sound Control	
4	000-255	Macro Speed (Slow > Fast)	MACRO SPEED
5	000-255	Red 1 (0-100%)	LEDs SECTION 1
6	000-255	Green 1 (0-100%)	
7	000-255	Blue 1 (0-100%)	
8	000-255	Red 2 (0-100%)	LEDs SECTION 2
9	000-255	Green 2 (0-100%)	
10	000-255	Blue 2 (0-100%)	
11	000-127	Position	MOTOR
	128-191	Clockwise Rotation (Fast > Slow)	
	192-255	Counter Clockwise Rotation (Fast > Slow)	

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

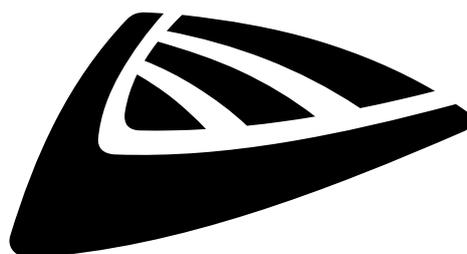
This unit is radio-interference suppressed. This product meets the requirements of the current European and national guidelines. Conformity has been established and the relevant statements and documents have been deposited by the manufacturer.

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

Mains Input:	100-240Vac, 50/60Hz
Power consumption:	100 Watt max.
Fuse:	T 2A / 250V (20mm glass)
Power linking (in / out):	max. linking load = 10A
Sound Control:	Internal microphone
DMX connections:	XLR 3pin
DMX modes:	4, 8 and 11 DMX Channels
LED Source:	486x 0.2W SMD5050 RGB LEDs
Dimension:	500x500x85mm
Weight:	9.4 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



JB SYSTEMS

MAILING LIST

EN: Subscribe today to our mailing list for the latest product news!

FR: Inscrivez-vous à notre liste de distribution si vous souhaitez suivre l'actualité de nos produits!

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!

WWW.JB-SYSTEMS.EU

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