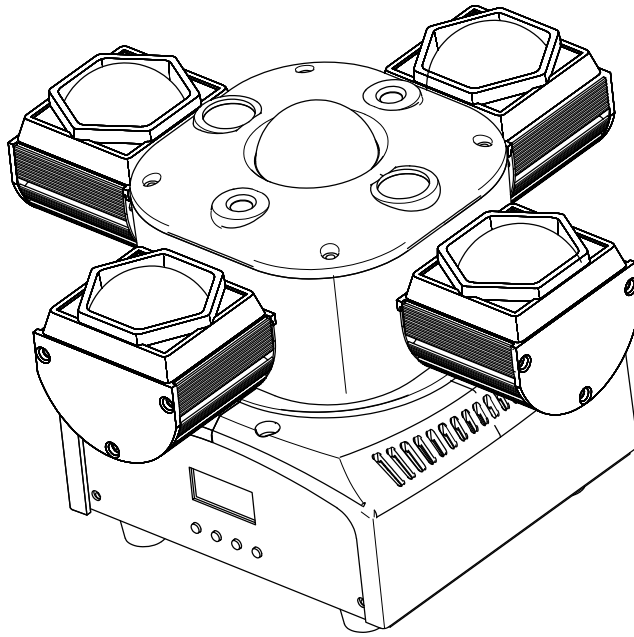


# KINETIC



## 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.

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

## **FEATURES**

- Small but amazing multi light-effect for DJ's, pub's, parties, ...
- The KINETIC has 4 different light sources for the most stunning effects!
- 4 x 15W RGBW Led's (arms), 1 x 10W RGBW LED (on top), 2 x 5W yellow strobe Led's, 1 x 100mW Red laser, 1 x 100mW Green laser.
- Simple and quick installation, easy to use
- Comprehensive DMX control over rotation, colors, strobe, etc.
- Or just use the great built-in programs for wonderful, ever-changing light shows.
- Multiple modes of operation:
  - DMX-controlled via 1, 14 or 21 channels.
  - Standalone: sound activated (internal microphone) or automatic.
  - Standalone: controlled via the included IR remote control.
- Several units can be connected in master/slave to create beautiful synchronized shows.
- 4-digit LED screen for easy menu navigation.
- USB connection for wireless DMX control with an optional Briteq® WTR-DMX dongle.
- With U-bracket for mounting on light bridges, ceilings, etc.

## **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 if the cardboard box contains the following items:

- KINETIC
- IR Remote controller
- Mains cable
- U-bracket
- 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 to 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 meter.

**RISK GROUP 2**  
**CAUTION:**  
**Do not stare at operating lamp**

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

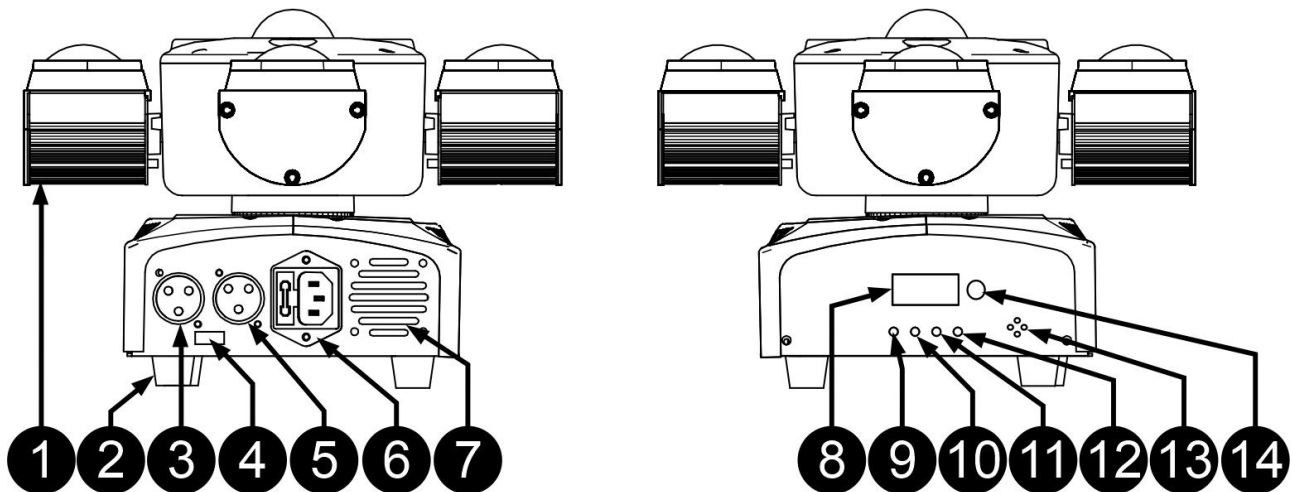
- To protect the environment, please try to recycle the packing material as much as possible.
- A new light effect sometimes causes some unwanted smoke and/or smell. This is normal and disappears after some minutes.
- To prevent fire or shock hazard, do not expose this appliance to rain or moisture.
- 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.
- The save ambient temperature is between 15° & 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.
- Always unplug the unit when it is not used for a longer time or before replacing the bulb or 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 rear panel of 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 to in order 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 lamp and 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.

## 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 12 times 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.

## DESCRIPTION:



1. Head with lens and 10W RGBW LED
2. Rubber foot
3. **DMX INPUT:** receives instructions from a DMX-controller (in DMX mode) or from the Master unit (in Master/Slave mode).
4. **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](http://WWW.BRITEQ-LIGHTING.COM) (order code: B04645)
5. **DMX OUTPUT:** used to connect the unit with the next unit in the DMX chain.
6. **MAINS INPUT:** Connect the supplied mains cable here.

7. Sleeves in front of the cooling fan. Don't cover these sleeves to prevent overheating.
8. **DISPLAY:** shows the information from the menu.
9. **MENU BUTTON:** used to browse the different menu options
10. **▲ BUTTON:** to go up in the menu and to increase the values shown on the display
11. **▼ BUTTON:** to go back in the menu and to lower the values shown on the display
12. **ENTER BUTTON:** used to confirm your choice
13. **IR RECEIVER:** point your IR Remote to this area if you want to control the unit.
14. **INTERNAL MICROPHONE:** is used to synchronize the sound controlled shows to the beat of the music.

### MAIN MENU:

- To select any of the pre-set functions, press the **MENU** button until the required one is shown on the display.
- Select the function with the **ENTER** button. The first digit will blink.
- Use the ▼ and ▲ buttons to change the mode.
- Once the required mode has been selected, press the **ENTER** button to confirm. After +/-10 seconds the display will automatically return to the main functions.

To go back to the functions without any change press the **MENU** button.

### DMX Address

**Used to set the starting address in a DMX setup.**

- Press the **MENU** button until "Addr" is shown on the display.
- Press the **ENTER** button, the first digit is blinking.
- Use the ▼ and ▲ buttons to change the DMX512 address.
- Once the correct address shows on the display, press the **ENTER** button to save it.

(or automatically return to the main functions after +/-10 seconds)

To go back to the functions without any change press the **MENU** button.

### Channel Mode

- Press the **MENU** button until "chnd" is shown on the display.
- Press the **ENTER** button, the first digit is blinking.
- Use the ▼ and ▲ buttons to select the one of the available dmx modes. (1Ch, 14Ch, 21Ch)
- Once the mode is selected, press the **ENTER** button to setup (or automatically return to the main functions after +/-10 seconds.)

To go back to the functions without any change press the **MENU** button.

### Auto Mode

**Used to choose the Auto mode when used in standalone or master/slave mode.**

- Press the **MENU** button until "Auto" is shown on the display.
- Press the **ENTER** button, the first digit is blinking.
- Use the ▼ and ▲ buttons to select "Aut1" or "Aut2" mode.
- Once the right mode shows on the display, press the **ENTER** button to save it.

(or automatically return to the main functions after +/-10 seconds)

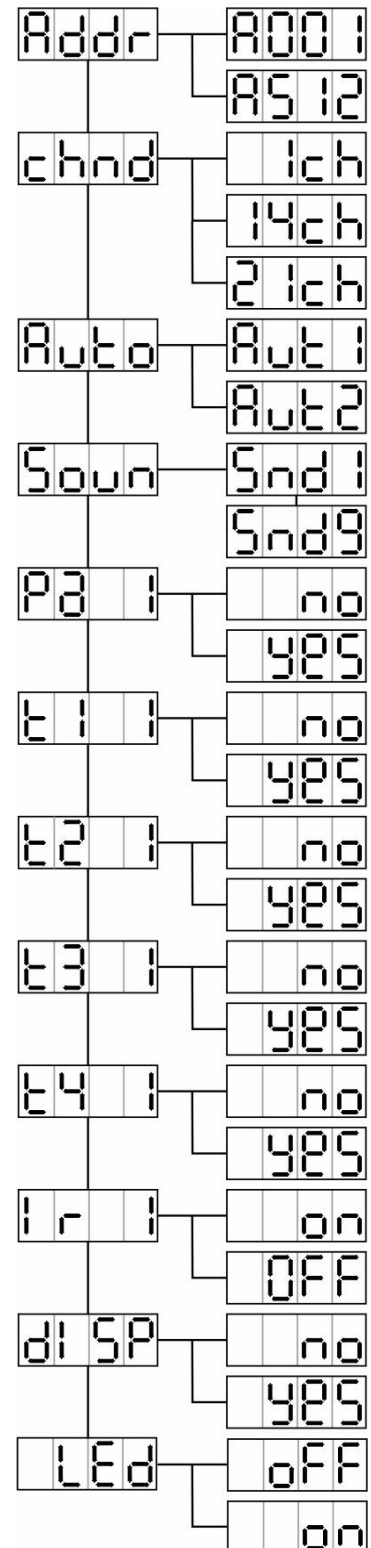
To go back to the functions without any change press the **MENU** button.

### Sound Mode

**The unit works to rhythm of the beat when used in standalone or master/slave mode**

- Press the **MENU** button until "Soun" is shown on the display.
- Press the **ENTER** button, the first digit is blinking.
- Use ▼ and ▲ button to select "Snd1" to "Snd9". (Snd1 is minimum sensitivity, Snd9 is maximum)
- Once the desired mode is selected, press the **ENTER** button to save it.

To go back to the main menu without any change press the **MENU** button.



**Pan Inversion**

**No: Pan movement is not inverted.**

**Yes: Pan movement is inverted**

- Press the **MENU** button until “**PA I**” is shown on the display.
- Press the **ENTER** button, the first digit is blinking.
- Use **▼** and **▲** button to select “**no**” (normal) or “**YES**” (pan inversion) mode.
- Once the desired mode has been selected, press the **ENTER** button to save it.  
(or automatically return to the main functions after +/-10 seconds)

To go back to the functions without any change press the **MENU** button.

**Tilt Inversion**

**No: Tilt movement is not inverted.**

**Yes: tilt movement is inverted**

**The 4 arms can be inverted separately. (t1 I ... t4 I)**

- Press the **MENU** button until “**t1 I**”, “**t2 I**”, “**t3 I**” or “**t4 I**” is shown on the display.
- Press the **ENTER** button, the first digit is blinking.
- Use **▼** and **▲** buttons to select “**no**” (normal) or “**YES**” (tilt inversion) mode.
- Once the mode has been selected, press the **ENTER** button to save it.  
(or automatically return to the main functions after +/-10 seconds)

To go back to the functions without any change press the **MENU** button.

**dISP**

**Used to inverse the display.**

- Press the **MENU** button until “**dISP**” is shown on the display.
- Press the **ENTER** button, the first digit is blinking.
- Use the **▼** and **▲** buttons to select “**no**” (normal) or “**YES**” (inversed) mode.
- Once the right mode shows on the display, press the **ENTER** button to save it.  
(or automatically return to the main functions after +/-10 seconds)

To go back to the functions without any change press the **MENU** button.

**LEd**

**Used to turn off the display automatically after +/- 30 seconds.**

- Press the **MENU** button until “**LEd**” is shown on the display.
- Press the **ENTER** button.
- Use the **▼** and **▲** buttons to select “**on**” (display stays lit) or “**off**” mode (display in blackout; a small line keeps blinking).
- Once the right mode shows on the display, press the **ENTER** button to save it.  
(or automatically return to the main functions after +/-10 seconds)

To go back to the functions without any change press the **MENU** button.

## HOW TO SET UP AND CONTROL THE UNIT

*You can operate the unit in several ways:*

**1) FULL AUTOMATIC STANDALONE MODE:**

This mode automatically runs a preprogrammed sequence. Select this mode when only 1 KINETIC unit is used (standalone) or when the unit is placed as the first (master) unit in a chain with several KINETIC units in Master/Slave mode.

There are 2 different types of standalone modes: **Aut1** and **Aut2**

**This is how to select one of the preprogrammed shows**

- Press the **MENU** button until the display shows Auto.
- Press the **ENTER** button to enter the setup.
- Use the **▲** and **▼** buttons to select **Aut1** or **Aut2**
- Press the **ENTER** button to confirm.

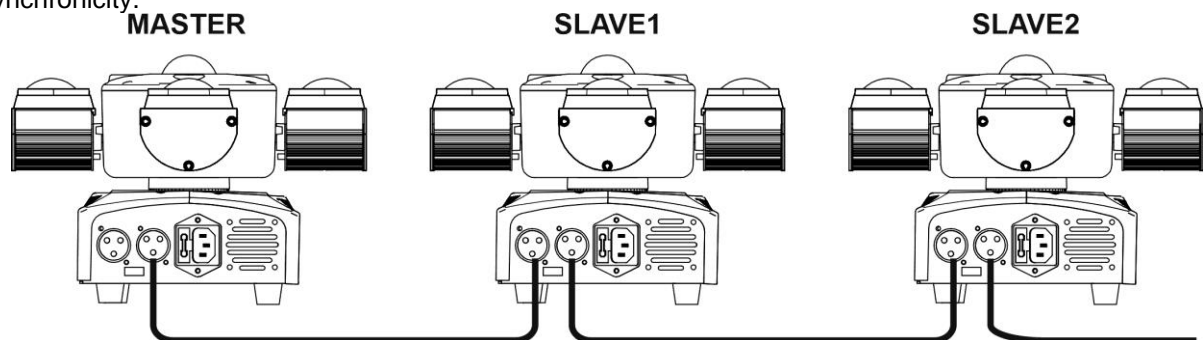
### 2) SOUND CONTROLLED STANDALONE MODE:

The KINETIC runs a preprogrammed sequence to the rhythm of the music. Select this mode when only 1 KINETIC is used (standalone) or when the KINETIC is placed as the first (master) unit in a chain with several units.

- Press the MENU button until the display shows Soun.
- Press the ENTER button: The display shows Snd1 to Snd9
- Use the ▲ and ▼ buttons to set the sound sensitivity of the internal microphone (Snd1 is minimum; Snd9 is maximum sensitivity)
- Press the ENTER button to confirm.

### 3) MASTER/SLAVE STANDALONE MODE:

When you have several KINETIC units and you want them to all work synchronously, you can work in the so called master/slave mode. To do this, just daisy-chain all the units and make the settings of the desired automatic or sound controlled program in the first unit of the chain (see description above). This unit is called the Master unit. The “slave” units will follow the orders of the Master unit, so they work in perfect synchronicity.



### 4) CONTROLLED VIA THE IR REMOTE:

The standalone functions of the KINETIC can be controlled via the supplied IR remote controller.

Button	Display	Function
ON	Ato1	Remote ON
OFF	A001	Remote OFF
DMX	A001	DMX Mode
AUTO	Ato1/2	Auto Mode, Press it to switch the Auto 1-2
speed+	A001- A512	DMX Address +
speed-		DMX Address -
voice	Sou9	Sound Control
mic+	Sou1 - Sou9	Sound Sensitivity +
mic-		Sound Sensitivity -
1	red	Ball LED Red
2	Gree	Ball LED Green



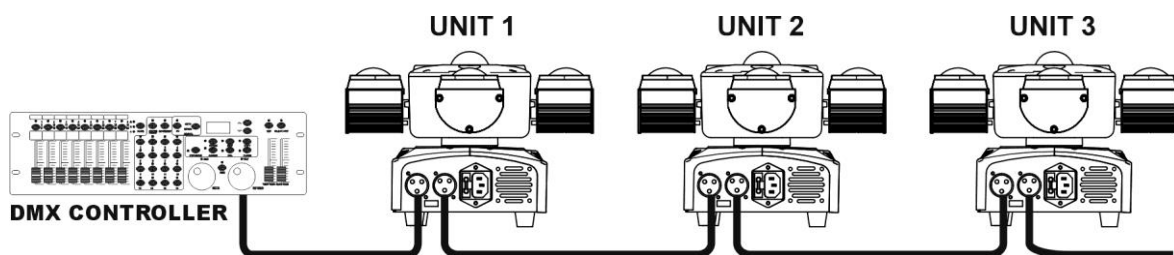


3	bLue	Ball LED Blue
4	Uhte	Ball LED White
5	rdye	Beam LED Red
6	Gdye	Beam LED Green
7	bdye	Beam LED Blue
8	Udye	Beam LED White
9	GoLd	Golden LED
0	S 0-20	LED Strobe 0~20times/s, speed from slow to fast
*	La 1-3	Laser, Press it to switch Red&Green Laser
#	CoL1-4	4 Color Mixing Modes

### 5) CONTROLLED VIA DMX:

The KINETIC can be controlled by any standard DMX-controller in 3 different DMX-modes via 1, 14 or 21 channels

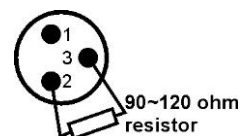
- Connect the DMX input of the KINETIC to the DMX output of the previous unit in the chain or directly to the DMX-output of your controller.
- Press the MENU button until the display shows "Addr".
- Press the ENTER button to enter this mode
- Now you can use the ▲/▼ buttons to set the DMX address. dxxx
- The actual DMX address is shown on the display.
- Press the ENTER button to confirm.
- Now press the MENU button until the display shows "chnd".
- The channel mode is shown on the display
- Use the ▲/▼ buttons to select the desired DMX-mode. (1Ch, 14Ch or 21Ch). See the DMX charts below
- Press the ENTER button to confirm your choice.



### Some more information on DMX512:

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 light effects with a good quality XLR M/F 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!

Each effect in the chain needs to have its proper starting address so it knows which commands from the controller it has to decode.



**1 CHANNEL DMX-CONFIGURATION:**

1CH	DMX Value	Description
<b>1</b>	000-007	No function
	008-087	Auto 1 programs running
	088-167	Auto 2 programs running
	168-247	Sound control
	248-255	No function

**14 CHANNEL DMX-CONFIGURATION:**

14CH	Function	DMX Value	Description
<b>1</b>	<b>Pan</b>	000-255	0-540degree Movement
<b>2</b>	<b>P/T Speed</b>	000-255	PT Speed from fast to slow
<b>3</b>	<b>Tilt</b>	000-255	0-180° Movement
<b>4</b>	<b>Dimmer</b>	000-255	0-100% dimmer
<b>5</b>	<b>Strobe</b>	000-015	No Function
		016-255	Strobe from slow to fast
<b>6</b>	<b>All Red</b>	000-255	Red LED 0-100% dimmer
<b>7</b>	<b>All Green</b>	000-255	Green LED 0-100% dimmer
<b>8</b>	<b>All Blue</b>	000-255	Blue LED 0-100% dimmer
<b>9</b>	<b>All White</b>	000-255	White LED 0-100% dimmer
<b>10</b>	<b>Red Laser</b>	000-255	Red Laser 0-100% dimmer
<b>11</b>	<b>Green Laser</b>	000-255	Green Laser 0-100% dimmer
<b>12</b>	<b>Golden LED</b>	000-255	Golden LED 0-100% dimmer
<b>13</b>	<b>Macro Function</b>	000-050	CH1-12 is valid
		051-150	Auto 1
		151-255	Sound Control 1
<b>14</b>	<b>Reset</b>	000-200	No Function
		201-255	All reset after 3s

**21 CHANNEL DMX-CONFIGURATION:**

21CH	Function	DMX Value	Description
1	Pan	000-255	0-540° Movement
2	P/T Speed	000-255	PT Speed from fast to slow
3	Tilt 1	000-255	0-180° Movement
4	Tilt 2	000-255	0-180° Movement
5	Tilt 3	00,0-255	0-180° Movement
6	Tilt 4	000-255	0-180° Movement
7	Dimmer	000-255	0-100% dimmer
8	Strobe	000-015	No Function
		016-255	Strobe from slow to fast
9	Beam Red	000-255	Red LED 0-100% dimmer
10	Beam Green	000-255	Green LED 0-100% dimmer
11	Beam Blue	000-255	Blue LED 0-100% dimmer
12	Beam White	000-255	White LED 0-100% dimmer
13	Ball Red	000-255	Ball Red LED 0-100% dimmer
14	Ball Green	000-255	Ball Green LED 0-100% dimmer
15	Ball Blue	000-255	Ball Blue LED 0-100% dimmer
16	Ball White	000-255	Ball White LED 0-100% dimmer
17	Red Laser	000-255	Red Laser 0-100% dimmer
18	Green Laser	000-255	Green Laser 0-100% dimmer
19	Golden LED	000-255	Golden LED 0-100% dimmer
20	Macro Function	000-050	CH1-19 is valid
		051-150	Auto 1
		151-255	Sound Control 1
21	Reset	000-200	No Function
		201-255	All reset after 3s

## 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 device carries the prescribed CE marking. It was tested for this purpose in a specialized CE lab and fully complies with all currently valid European and national standards.

The corresponding CE conformity declarations can be found on the product page of this product on our website.

<b>Mains Input:</b>	AC 100~240V, 50/60Hz
<b>Fuse:</b>	F3A/250V (20mm glass)
<b>Max. Total Power consumption:</b>	80W
<b>Sound Control:</b>	Internal microphone
<b>DMX connections:</b>	3pin XLR male / female
<b>DMX channels:</b>	1, 14, 21 channels
<b>Light sources:</b>	4 x 15W RGBW LED (in arms) 1 x 10W RGBW LED (ball) 2 x 5W Amber LED (strobe) 1 x 100mW Red Laser, 1x100mW Green Laser
<b>Pan Movement:</b>	540°
<b>Tilt Movement:</b>	180°
<b>Working temperature:</b>	10°C to 40°C
<b>Dimensions:</b>	220 x 220 x 175mm
<b>Weight:</b>	2,35kg

**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**

## **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](http://WWW.JB-SYSTEMS.EU)**

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