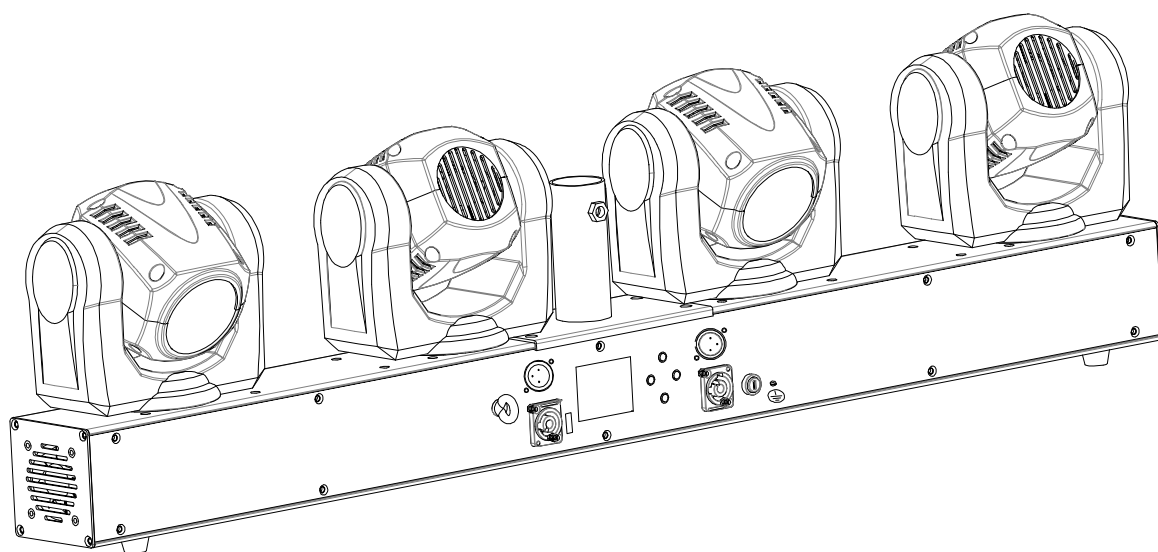


# QUADRA MOVE

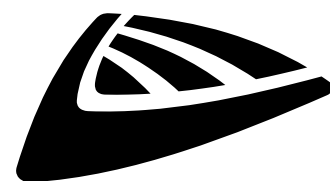


## ENGLISH Operation Manual

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**

- Light bar with 4 x 40W RGBW LED Moving heads
- Ideal for mobile DJ's, rental,...
- Excellent built-in programs for wonderful, ever changing, light shows.
- Multiple working modes:
  - DMX-control: via 1, 5, 24 or 56 channels
  - Standalone: sound activated with internal mic
  - Master/slave: Wonderful synchronized shows in standalone mode
- Prepared for wireless DMX: just plug-in an optional WTR-DMX DONGLE ! (Briteq® order code: B04645)
- Prepared for easy truss mounting with 2 x (optional) Omega Bracket Small (Briteq® order code: B02677)
- 35mm Stand adapter for easy mounting on a light stand
- LCD-display for easy menu navigation
- 3p XLR connectors for DMX in- and output.

## **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 carton contains the following items:

- QUADRA MOVE unit
- Powercon® compatible 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

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

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

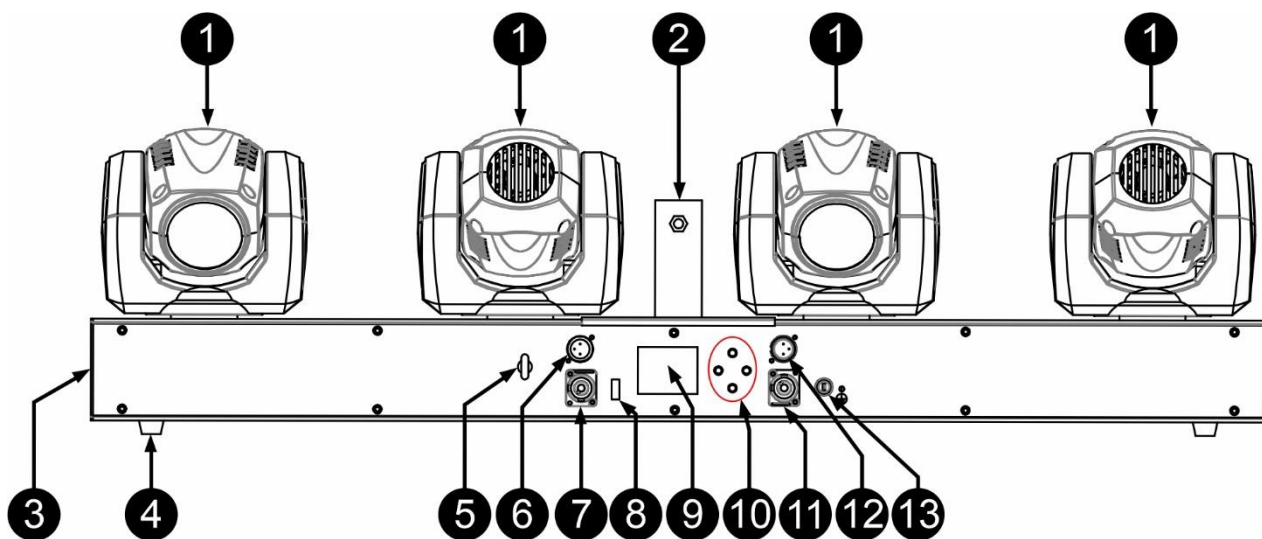
- To protect the environment, please try to recycle the packing material as much as possible.
- To prevent fire or shock hazard, do not expose this appliance to rain or moisture.
- To avoid condensation to be formed inside, allow the unit to adapt to the surrounding temperatures when bringing it into 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. 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.

## HOW TO SET UP THE UNIT



1. Moving head
2. 35mm stand adapter
3. Ventilation sleeves (there is a fan on one side). Never cover these to avoid insufficient cooling.
4. Rubber foot
5. Safety eye.
6. **DMX OUT:** 3p XLR Female connector to connect to other devices or use in Master/slave mode
7. **POWER OUT:** used to daisy chain the power to several other fixtures. Always pay attention to the maximum load while adding fixtures! Special combi cables (power + DMX XLR-cables) are available: see our website!
8. **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)*

9. **DISPLAY:** shows the information on the different modes and functions.

10. **DISPLAY MODE BUTTONS:**

- ▼ button : press this button to go down in the menu
- ▲ button : press this button to go up in the menu
- **ENTER:** press this button to confirm the selected function in the menu
- **MENU:** press this button to go back to the main menu or to leave submenus.

11. **POWER IN:** Connect the mains input cable here.

12. **DMX IN:** 3p XLR Male connector to receive DMX signal from a consoles or for the use in Master/slave mode.

13. Fuse holder.

## SETUP MENU:

- This is the list of all the functions in the fixture.
- To select any of these functions, press the MENU button and use the ▲/▼ buttons to browse the menu.
- Select the desired function with the ENTER button.
- Use ▲/▼ buttons to change the mode or value.
- Once the required mode or value is selected, press the ENTER button to select.

Level 1	Level 2	Level 3
<b>DMX Address</b>	001-512	
<b>DMX Channel</b>	DMX 1Ch	
	DMX 5Ch	
	DMX 24Ch	
	DMX 56Ch	
<b>Slave Mode</b>	Master	
	Slave 1	
	Slave 2	
	Slave 3	
	Slave 4	
<b>Auto Mode</b>	Program	00-16
	Speed	00-99
<b>Sound Mode</b>	Program	00-16
	Sense	00-99
<b>Pan Inverse</b>	All head	Yes-No
	Head1	Yes-No
	Head2	Yes-No
	Head3	Yes-No
	Head4	Yes-No
<b>Tilt Inverse</b>	All head	Yes-No
	Head1	Yes-No
	Head2	Yes-No
	Head3	Yes-No
	Head4	Yes-No
<b>Settings</b>	Resetting	
	Display	On/Off
	Display Rev	On/Off
	Time	
	Firmware	
	Function test	

	No DMX	Black
		Sound
		Freeze

### **DMX Address**

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

- Press the MENU button to access the different functions in the menu.
- Press the ▲/▼ buttons until the desired function is showing on the display.
- Press the ENTER button: the values can be changed
- Use ▲/▼ buttons to select the desired DMX512 address.
- Once the correct address shows on the display, press the ENTER button to confirm.

### **DMX Channel**

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

- Press the MENU button to access the different functions in the menu.
- Press the ▲/▼ buttons until the desired function is showing on the display.
- Press the ENTER button: the values can be changed
- Use ▲/▼ buttons to select the desired mode:
  - **1 CH mode:** Control on internal show in auto or sound mode.
  - **5 CH mode:** Control on Show mode, Sound control, Speed/Sensitivity, Strobe and dimmer
  - **24 CH mode:** Control on Strobe, dimmer, Pan/Tilt/Speed/Color for each spot, Sound mode
  - **56 CH mode:** Full DMX-control on all functions.
- Once the correct option shows on the display, press the ENTER button to confirm.

### **Slave Mode**

- **Used to make the slave unit to work in complete sync with the Master.**
- Press the MENU button to access the different functions in the menu.
- Press the ▲/▼ buttons until the desired function is showing on the display.
- Press the ENTER button: the values can be changed
- Use ▲/▼ buttons to select the desired mode:
  - **Slave 1**
  - **Slave 2**
  - **Slave 3**
  - **Slave 4**
- Once the correct option shows on the display, press the ENTER button to confirm.

### **Auto Mode**

**Used to select the auto mode of the fixture when used in standalone mode.**

- Press the MENU button to access the different functions in the menu.
- Press the ▲/▼ buttons until the desired function is showing on the display.
- Press the ENTER button to select the desired show mode.

Once the right mode is shown on the display, press the ENTER button to confirm.

### **Sound Mode**

**Used to select the sound mode of the fixture when used in standalone mode.**

- Press the MENU button to access the different functions in the menu.
- Press the ▲/▼ buttons until the desired function is showing on the display.
- Press the ENTER button to select the desired show mode.
- Once the right mode is shown on the display, press the ENTER button to confirm.

### **Pan Inverse**

**Used to select if the Pan movements of each moving head are inverted or not.**

- Press the MENU button to access the different functions in the menu.
- Press the ▲/▼ buttons until the desired function is showing on the display.
  - All head
  - Head1
  - Head2

- Head3
- Head4
- Press the ENTER button to select the desired function.
- Use ▲/▼ buttons to toggle between No and Yes.
- Press the ENTER button to confirm.

### **Tilt Inverse**

**Used to select if the TILT movements of each moving head are inverted or not.**

- Press the MENU button to access the different functions in the menu.
- Press the ▲/▼ buttons until the desired function is showing on the display.
  - All head
  - Head1
  - Head2
  - Head3
  - Head4
- Press the ENTER button to select the desired function.
- Use ▲/▼ buttons to toggle between No and Yes.
- Press the ENTER button to confirm.

### **Settings > Resetting**

**Used to reset all the functions of the fixture.**

- Press the MENU button to access the different functions in the menu.
- Press the ▲/▼ buttons until the desired function is showing on the display.
- Press the ENTER button: the QUADRA MOVE will reset

### **Settings > Display**

**Used to adjust whether the display stays lit or not after the last time it was used.**

- Press the MENU button to access the different functions in the menu.
  - Press the ▲/▼ buttons until the desired function is showing on the display.
  - Press the ENTER button: the backlight can be turned On or Off.
  - Use ▲/▼ buttons to select On (display backlight will turn off after 30s) or Off (display stays lit).
- Press the ENTER button to confirm.

### **Settings > Display Rev**

**Used to turn the display over 180°. On = display is upside-down.**

- Press the MENU button to access the different functions in the menu.
- Press the ▲/▼ buttons until the desired function is showing on the display.
- Press the ENTER button: the display can be turned by selecting On or Off.
- Use ▲/▼ buttons to select the desired display position.
- Press the ENTER button to confirm.

### **Settings > Time**

**Used to show the number of hours the fixture has been used.**

- Press the MENU button to access the different functions in the menu.
- Press the ▲/▼ buttons until the desired function is showing on the display.
- Press the ENTER button: the display will show the used time.
- Press the MENU button to quit.

### **Settings > Firmware**

**Shows the current firmware version in the projector.**

- Press the MENU button to access the different functions in the menu.
- Press the ▲/▼ buttons until the desired function is showing on the display.
- Press the ENTER button: the display shows the firmware version in the projector: V1.0

### **Settings > Function test**

**Used to test the functions of the fixture.**

- Press the MENU button to access the different functions in the menu.
- Press the ▲/▼ buttons until the desired function is showing on the display.



- Press the ENTER button: the test will start.
- Press the ENTER button again to stop the test.

### Settings > No DMX

Used to set how the projector reacts when the DMX-signal disappears.

- Press the MENU button to access the different functions in the menu.
  - Press the ▲/▼ buttons until the desired function is showing on the display.
  - Press the ENTER button: the values can be changed
  - Use ▲/▼ buttons to select the desired mode:
    - **Sound:** the projector starts working in audio mode.
    - **Freeze:** output based on the last valid DMX-signal is kept on the projector.
    - **Blackout:** output turns black while no DMX is detected.
  - Once the correct option shows on the display, press the ENTER button to confirm.
- Note:** as soon as the input detects a DMX-signal, blackout, freeze or audio mode will be cancelled.

## ELECTRICAL INSTALLATION + ADDRESSING



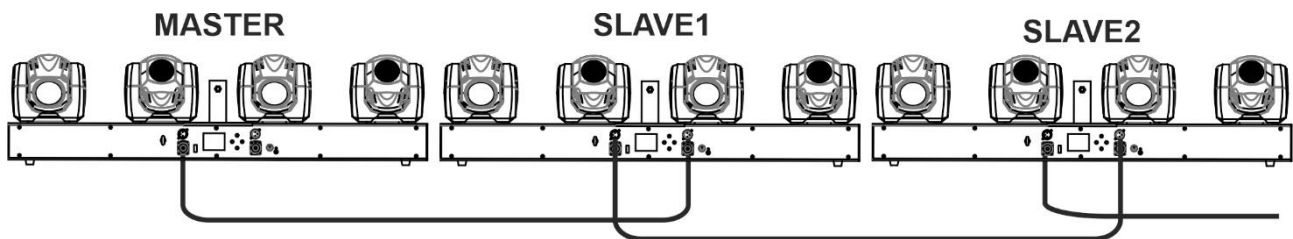
**Important:** The electrical installation should be carried out by qualified personal only, according to the regulations for electrical and mechanical safety in your country.

### Electrical installation for 1 standalone unit:

- Just insert the mains cable. The unit starts working immediately in stand-alone mode.

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

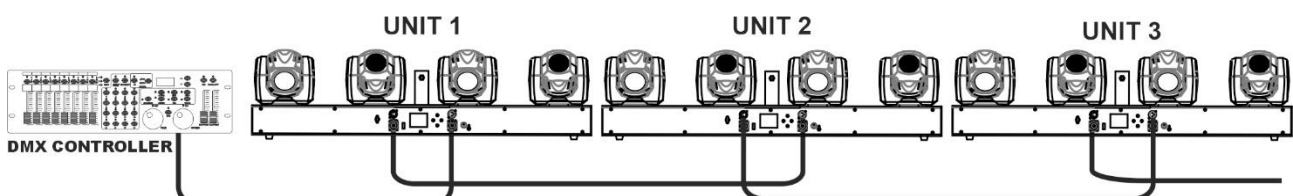
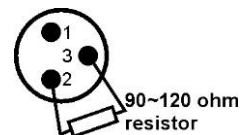
In this mode the units will show a synchronized show, working to the rhythm of the beat.



- Connect 2 to maximum 8 units together using good quality DMX cables. Put the first unit in the chain in show or sound mode (see Setup menu) and the other units as slaves (see Setup menu).
- Make sure that all units are connected to the mains.
- Done!

### Electrical installation 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 DMX cable.
- Both XLR-3pin and XLR-5pin connectors are used, however XLR-3pin is more popular because these cables are compatible with balanced audio cables.  
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 light effect in the chain needs to have its proper starting address so it knows which commands from the controller it has to decode. In the next section you will learn how to set the DMX addresses.



**HOW TO SET THE RIGHT STARTING ADDRESS:**

Refer to the setup menu to learn how to set the starting address on this unit. The starting address of each unit is very important. Unfortunately it is impossible to tell you in this user manual which starting addresses you have to set because this completely depends on the controller you will use, the number of fixtures and their number of DMX channel they use.

**DMX-CONFIGURATION OF THE QUADRA MOVE IN 1, 5, 24 AND 56CH MODE:****1 CHANNEL MODE :**

1Ch	function	Value	Remarks
1	Show Mode/Sound Mode	000-007	No function
		008-022	Show 1
		023-037	Show 2
		038-052	Show 3
		053-067	Show 4
		068-082	Show 5
		083-097	Show 6
		098-112	Show 7
		113-127	Show 8
		128-142	Show 9
		143-157	Show 10
		158-172	Show 11
		173-187	Show 12
		188-202	Show 13
		203-217	Show 14
		218-232	Show 15
		233-247	Show 16
		248-255	Sound mode

**5 CHANNEL MODE :**

5Ch	function	Value	Remarks
1	Standby	000-007	
	Dimmer 0 - 100%	008-255	
2	No function	000-007	
	Strobe	008-131	<b>Slow -&gt; Fast</b>
	Full on	132-139	
	Close-open	140-181	<b>Fast -&gt; slow</b>
	Full on	182-189	
	Open-close	190-231	<b>Fast -&gt; slow</b>
	Full on	232-239	
	Random strobe	240-247	
	Full on	248-255	
3	Show Mode/Sound Control Mode	000-007	No function
		008-022	Show 1
		023-037	Show 2
		038-052	Show 3
		053-067	Show 4

		068-082	Show 5
		083-097	Show 6
		098-112	Show 7
		113-127	Show 8
		128-142	Show 9
		143-157	Show 10
		158-172	Show 11
		173-187	Show 12
		188-202	Show 13
		203-217	Show 14
		218-232	Show 15
		233-247	Show 16
		248-255	Sound control mode
4	<b>Color Macro</b>	000-007	No function
		008-030	Color chase
		031-255	Fixed colors (see Color Macro table)
5	<b>Speed/Sensitivity</b>	000-127	<b>Speed : Slow -&gt; Fast</b>
		128-255	Sensitivity 0-100%

**24 CHANNEL MODE :**

24Ch	Function	Values	Remarks
1	<b>Master dimmer</b>	000-255	0-100%
2	<b>Strobe</b>	000-007	No function
		008-131	<b>Slow -&gt; Fast</b>
	Full on	132-139	
	Close-open	140-181	<b>Fast -&gt; slow</b>
	Full on	182-189	
	Open-close	190-231	<b>Fast -&gt; slow</b>
	Full on	232-239	
	Random strobe	240-247	
	Full on	248-255	
3	<b>Pan 1</b>	000-255	0-540°
4	<b>Tilt 1</b>	000-255	0-205°
5	<b>P/T 1 Speed</b>	000-255	<b>Slow -&gt; Fast</b>
6	<b>Spot 1 Color</b>	000-007	No function
		008-013	Red (ch. 21 for dimming)
		014-019	Green (ch. 22 for dimming)
		020-025	Blue (ch. 23 for dimming)
		026-030	White (ch. 24 for dimming)
		031-255	Color Macro (see table)
7	<b>Pan 2</b>	000-255	0-540°
8	<b>Tilt 2</b>	000-255	0-205°
9	<b>P/T 2 Speed</b>	000-255	Slow -> Fast
10	<b>Spot 2 Color</b>	000-007	No function
		008-013	Red (ch. 21 for dimming)
		014-019	Green (ch. 22 for dimming)

		020-025	Blue (ch. 23 for dimming)
		026-030	White (ch. 24 for dimming)
		031-255	Color Macro (see table)
11	<b>Pan 3</b>	000-255	0-540°
12	<b>Tilt 3</b>	000-255	0-205°
13	<b>P/T 3 Speed</b>	000-255	Slow -> Fast
14	<b>Spot 3 Color</b>	000-007	No function
		008-013	Red (ch. 21 for dimming)
		014-019	Green (ch. 22 for dimming)
		020-025	Blue (ch. 23 for dimming)
		026-030	White (ch. 24 for dimming)
		031-255	Color Macro (see table)
15	<b>Pan 4</b>	000-255	0-540°
16	<b>Tilt 4</b>	000-255	0-205°
17	<b>P/T 4 Speed</b>	000-255	Slow -> Fast
18	<b>Spot 4 Color</b>	000-007	No function
		008-013	Red (ch. 21 for dimming)
		014-019	Green (ch. 22 for dimming)
		020-025	Blue (ch. 23 for dimming)
		026-030	White (ch. 24 for dimming)
		031-255	Color Macro (see table)
19	<b>Reset/Sound mode</b>	000-199	No function
		200-209	Reset
		210-240	No function
		241-255	Sound mode
20	<b>Sensitivity</b>	000-255	0-100%
21	<b>Red</b>	000-255	Dimmer 0-100% Red
22	<b>Green</b>	000-255	Dimmer 0-100% Green
23	<b>Blue</b>	000-255	Dimmer 0-100% Blue
24	<b>White</b>	000-255	Dimmer 0-100% White

**56 CHANNEL MODE :**

56Ch	Function	Values	Remarks
1	<b>Pan 1</b>	000-255	0-540°
2	<b>Pan 1 fine</b>	000-255	
3	<b>Tilt 1</b>	000-255	0-205°
4	<b>Tilt 1 fine</b>	000-255	
5	<b>P/T 1 Speed</b>	000-255	<b>Slow -&gt; Fast</b>
6	<b>Dimmer Spot 1</b>	000-255	0-100%
7	No function	000-007	
	Strobe Spot 1	008-131	<b>Slow -&gt; Fast</b>
	Full on	132-139	
	Close-open	140-181	<b>Fast -&gt; slow</b>
	Full on	182-189	
	Open-close	190-231	<b>Fast -&gt; slow</b>

	Full on	232-239	
	Random strobe	240-247	
	Full on	248-255	
8	<b>Red 1</b>	000-255	Dimmer 0-100% Red
9	<b>Green 1</b>	000-255	Dimmer 0-100% Green
10	<b>Blue 1</b>	000-255	Dimmer 0-100% Blue
11	<b>White 1</b>	000-255	Dimmer 0-100% White
12	<b>Spot 1 Show</b>	000-007	No function
		008-053	Show 1
		054-099	Show 2
		100-145	Show 3
		146-191	Show 4
		192-199	No function
		200-247	Sound control mode
		248-255	No function
13	<b>Speed 1</b>	000-255	<b>Slow -&gt; Fast</b>
14	<b>Sensitivity 1</b>	000-255	0-100%
15	<b>Pan 2</b>	0-255	0-540°
16	<b>Pan 2 fine</b>	0-255	
17	<b>Tilt 2</b>	0-255	0-205°
18	<b>Tilt 2 fine</b>	0-255	
19	<b>P/T 2 Speed</b>	0-255	<b>Slow -&gt; Fast</b>
20	<b>Dimmer Spot 2</b>	0-255	0-100%
21	No function	000-007	
	Strobe Spot 2	008-131	<b>Slow -&gt; Fast</b>
	Full on	132-139	
	Close-open	140-181	<b>Fast -&gt; slow</b>
	Full on	182-189	
	Open-close	190-231	<b>Fast -&gt; slow</b>
	Full on	232-239	
	Random strobe	240-247	
	Full on	248-255	
22	<b>Red 2</b>	000-255	Dimmer 0-100% Red
23	<b>Green 2</b>	000-255	Dimmer 0-100% Green
24	<b>Blue 2</b>	000-255	Dimmer 0-100% Blue
25	<b>White 2</b>	000-255	Dimmer 0-100% White
26	<b>Spot 2 Show</b>	000-007	No function
		008-053	Show 1
		054-099	Show 2
		100-145	Show 3
		146-191	Show 4
		192-199	No function
		200-247	Sound control mode
		248-255	No function
27	<b>Speed 2</b>	000-255	<b>Slow -&gt; Fast</b>

28	<b>Sensitivity 2</b>	000-255	0-100%
29	<b>Pan 3</b>	0-255	0-540°
30	<b>Pan 3 fine</b>	0-255	
31	<b>Tilt 3</b>	0-255	0-205°
32	<b>Tilt 3 fine</b>	0-255	
33	<b>P/T 3 Speed</b>	0-255	<b>Slow -&gt; Fast</b>
34	<b>Dimmer Spot 3</b>	0-255	0-100%
35	No function	000-007	
	Strobe Spot 3	008-131	<b>Slow -&gt; Fast</b>
	Full on	132-139	
	Close-open	140-181	<b>Fast -&gt; slow</b>
	Full on	182-189	
	Open-close	190-231	<b>Fast -&gt; slow</b>
	Full on	232-239	
	Random strobe	240-247	
	Full on	248-255	
36	<b>Red 3</b>	000-255	Dimmer 0-100% Red
37	<b>Green 3</b>	000-255	Dimmer 0-100% Green
38	<b>Blue 3</b>	000-255	Dimmer 0-100% Blue
39	<b>White 3</b>	000-255	Dimmer 0-100% White
40	<b>Spot 3 Show</b>	000-007	No function
		008-053	Show 1
		054-099	Show 2
		100-145	Show 3
		146-191	Show 4
		192-199	No function
		200-247	Sound control mode
		248-255	No function
41	<b>Speed 3</b>	000-255	<b>Slow -&gt; Fast</b>
42	<b>Sensitivity 3</b>	000-255	0-100%
43	<b>Pan 4</b>	0-255	0-540°
44	<b>Pan 4 fine</b>	0-255	
45	<b>Tilt 4</b>	0-255	0-205°
46	<b>Tilt 4 fine</b>	0-255	
47	<b>P/T 4 Speed</b>	0-255	<b>Slow -&gt; Fast</b>
48	<b>Dimmer Spot 4</b>	0-255	0-100%
49	No function	000-007	
	Strobe Spot 4	008-131	<b>Slow -&gt; Fast</b>
	Full on	132-139	
	Close-open	140-181	<b>Fast -&gt; slow</b>
	Full on	182-189	
	Open-close	190-231	<b>Fast -&gt; slow</b>
	Full on	232-239	
	Random strobe	240-247	
	Full on	248-255	

50	<b>Red 4</b>	000-255	Dimmer 0-100% Red
51	<b>Green 4</b>	000-255	Dimmer 0-100% Green
52	<b>Blue 4</b>	000-255	Dimmer 0-100% Blue
53	<b>White 4</b>	000-255	Dimmer 0-100% White
54	<b>Spot 4 Show</b>	000-007	No function
		008-053	Show 1
		054-099	Show 2
		100-145	Show 3
		146-191	Show 4
		192-199	No function
		200-247	Sound control mode
		248-255	No function
55	<b>Speed 4</b>	000-255	<b>Slow -&gt; Fast</b>
56	<b>Sensitivity 4</b>	000-255	0-100%

#### COLOR MACRO TABLE :

Color Macro table	
031-045	<b>Red - (R)</b>
046-060	<b>Green - (G)</b>
061-075	<b>Blue - (B)</b>
076-090	<b>White - (W)</b>
091-105	<b>R-G</b>
106-120	<b>R-B</b>
121-135	<b>R-W</b>
136-150	<b>G-B</b>
151-165	<b>G-W</b>
166-180	<b>B-W</b>
181-195	<b>R-G-B</b>
196-210	<b>R-G-W</b>
211-225	<b>R-B-W</b>
226-240	<b>G-B-W</b>
241-255	<b>R-G-B-W</b>

## 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 is 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.

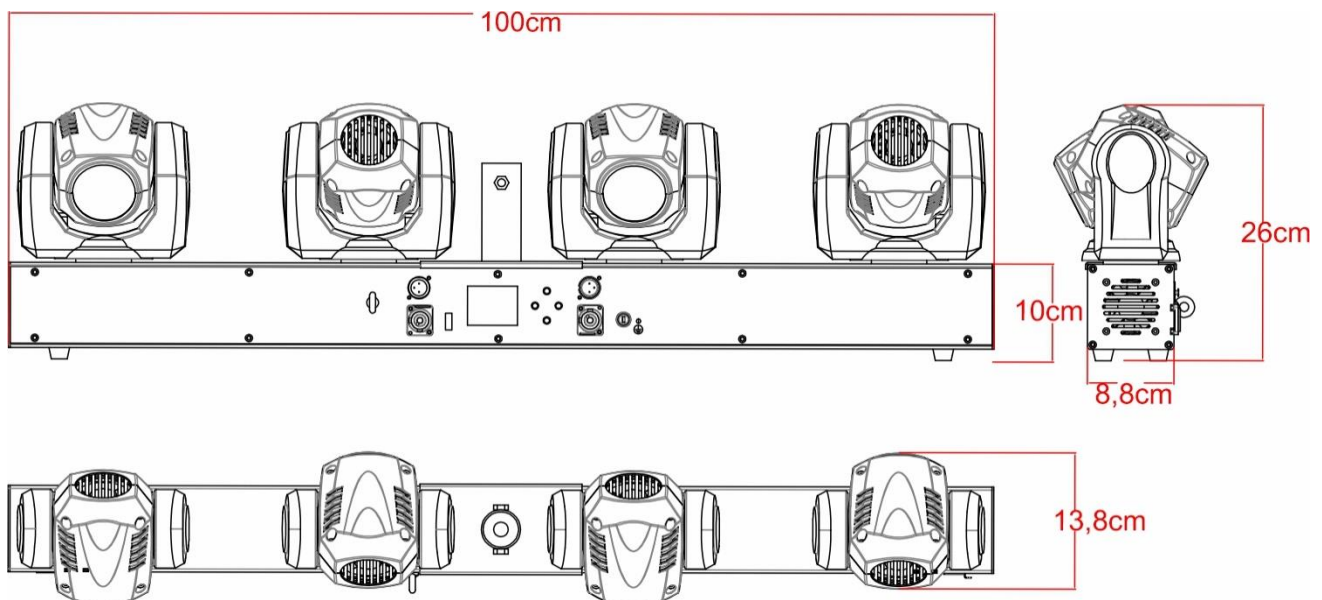
**Attention:** We strongly recommend internal cleaning to be carried out by qualified personnel!

## 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>Power consumption:</b>	200 Watt (Max.)
<b>Fuse:</b>	250V 4A Slow (20mm glass)
<b>Power connections:</b>	Powercon® compatible power connectors - 10A
<b>DMX connections:</b>	3pin-XLR male / female
<b>DMX channels used:</b>	1ch, 5ch, 24ch, 56ch
<b>Lamp:</b>	4 x 40W RGBW LED
<b>IP-Rating:</b>	IP20
<b>Pan movement:</b>	540°
<b>Tilt movement:</b>	205°
<b>Operating temperature (T<sub>a</sub>):</b>	0°C to 40°C
<b>Size:</b>	100x26x9cm
<b>Weight:</b>	11 kg

## DIMENSIONS



Every information is subject to change without prior notice

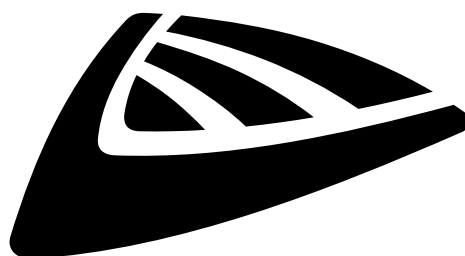
You can download the latest version of this user manual on our website: [www.jb-systems.eu](http://www.jb-systems.eu)











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