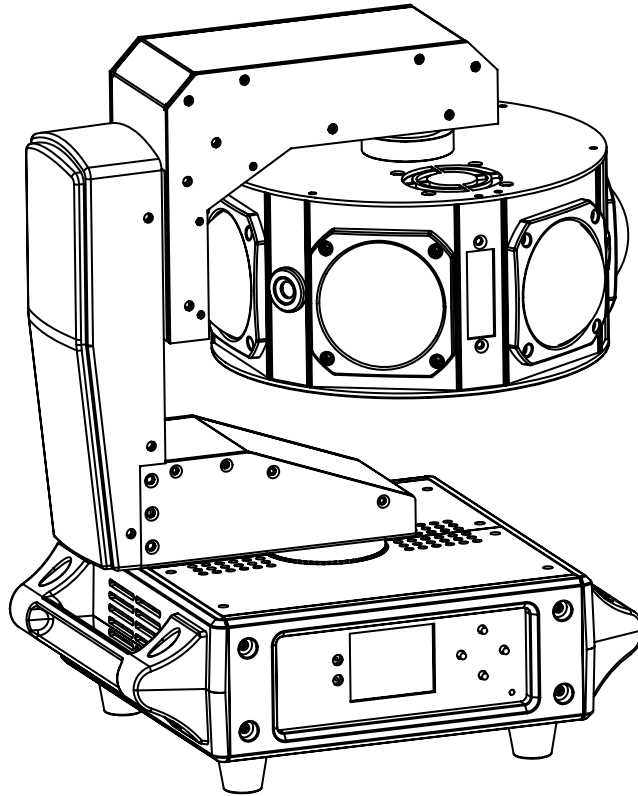


UFO X4

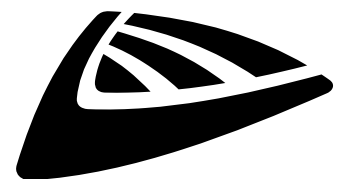


ENGLISH Operation Manual

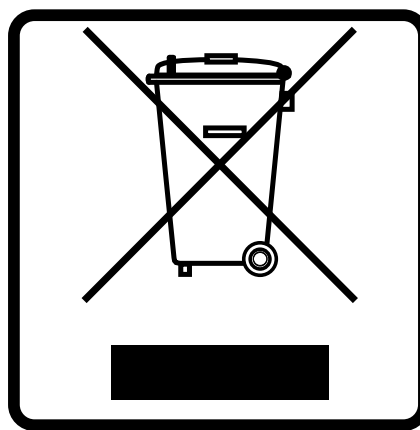
Other languages can be downloaded from:
WWW.JB-SYSTEMS.EU



Version: 1.0



JBSYSTEMS



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

- Stunning multi light effect (4 effects in 1 unit)
- Excellent for bars, pubs, mobile DJ's, rental,...
- Room-filling light effect thanks to :
 - 3 x 50mW lasers (1 Red, 1 Green, 1 Blue)
 - 3 x 10W orange strobe LEDs
 - 28 x 3W RGBW LEDs (7 lenses)
 - 108 x RGB 3in1 LEDs with beautiful chasing patterns
- Endless rotation of the cylindrical head.
- Excellent built-in programs for wonderful, ever changing, light shows.
- Multiple working modes:
 - DMX-control: via 1, 5, 17 or 25 channels
 - Standalone: automatic or 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)
- LCD-display for easy menu navigation
- 3p XLR connectors for DMX in- and output.
- Powercon® compatible in- and output
- Easy suspending with the (optional) Omega Bracket Small from Briteq® (order code : B02677)

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:

- UFO X4 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.

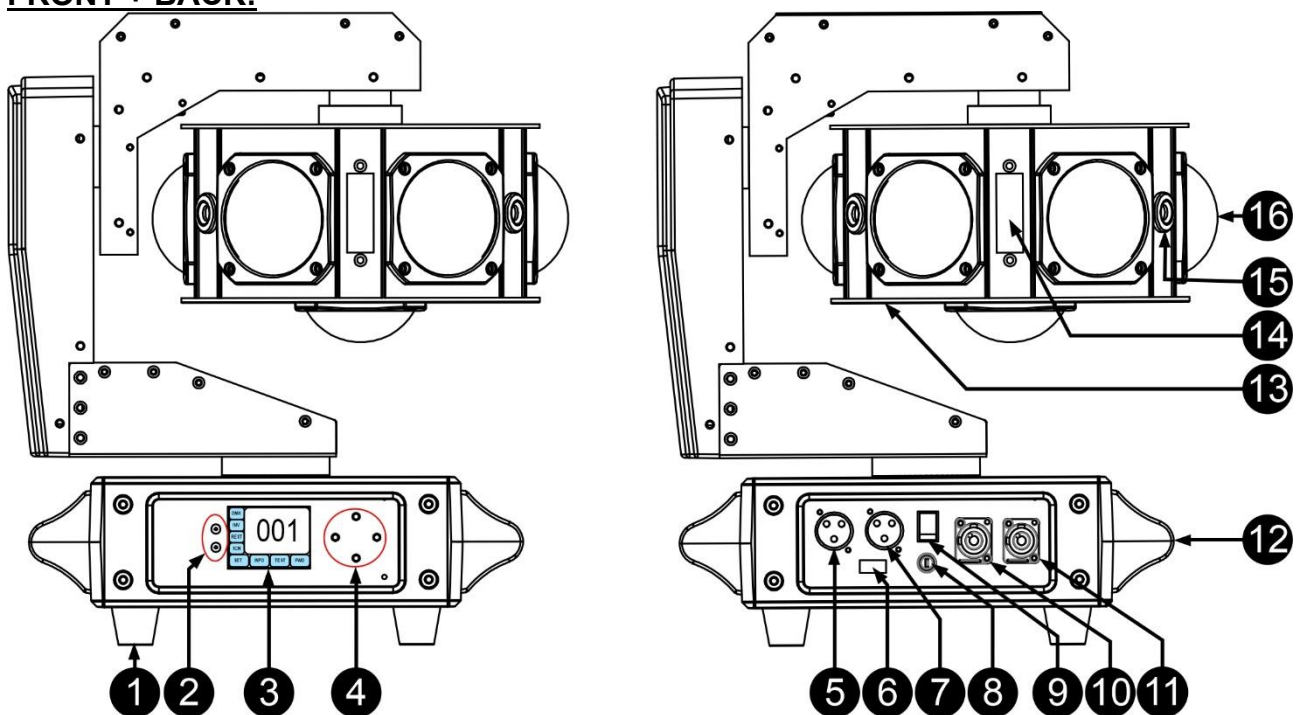
Important: Never look directly into the light source! Don't use the effect in the presence of persons suffering from epilepsy.

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

FRONT + BACK:

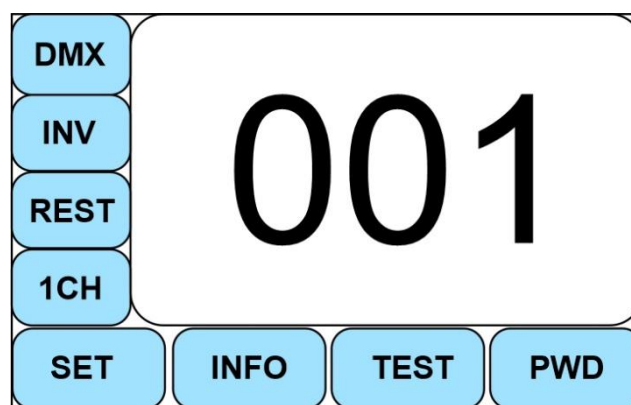


1. Rubber foot
2. LED Indicators :
DMX : lit when a DMX-signal is present
ERR : lit when an error occurs.
3. **DISPLAY** : shows the information on the different modes and functions.
4. **DISPLAY MODE BUTTONS:**
 - ▼ button : press this button to go down in the menu
 - ▲ button : press this button to 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.

5. **DMX IN:** 3p XLR Male connector receives DMX data from a console or use in Master/slave mode
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: B04645)*
7. **DMX OUT:** 3p XLR Female connector to connect other projectors or for the use in Master/slave mode.
8. Fuse holder
9. ON/OFF switch
10. **POWER IN:** Connect the mains input cable here.
11. **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!
12. Handle.
13. 108 RGB 5050 LEDs
14. 3 x strobe LED 10W
15. 50mW lasers (1 x Red – 1 x Green – 1 x Blue)
16. 28 x 3W RGBW LED

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
DMX - AUTO - SND	DMX	
	AUTO	
	SND	
INV	Display Inverse	
REST	Reset all	
1CH - 5CH - 17CH - 25CH	1CH	
	5CH	
	17CH	
	25CH	
SET	Run Mode	DMX
		AUTO
		SND

		DMX Address	001-512
		Channel Mode	1CH
			5CH
			17CH
			25CH
		Sensitivity	000-100
		DimmerCurve	Linear
			S-curve
			InSqu
			Squar
		Dimmerspeed	Fast
			Smooth
		Inv. Pan	Off
			On
		Inv. Tilt	Off
			On
		Exchange X/Y	Off
			On
		Encoder X/Y	Off
			On
		No DMX	Black
			Sound
			Freeze
		Backlight	Off
			On
		Motor Reset	
		Factory Set	
		Back	
INFO		SoftwareVer	V1.01
		Totalltime	
		Currenttime	
		TotLEDtime	
		CurLEDtime	
		PictureTemp	
		DMXMonitor	
		SystemErrors	
		Back	
TEST		Pan	
		Tilt	
		Pan/Tilt Speed	
		Rotate	
		Dimmer	
		Strobe	
		Red	
		Green	

	Blue	
	White	
	Red Laser	
	Green Laser	
	Blue Laser	
	Golden Strobe	
	Effect	
	Effect Speed	
	Back	
PWD		

ELECTRICAL INSTALLATION + ADDRESSING



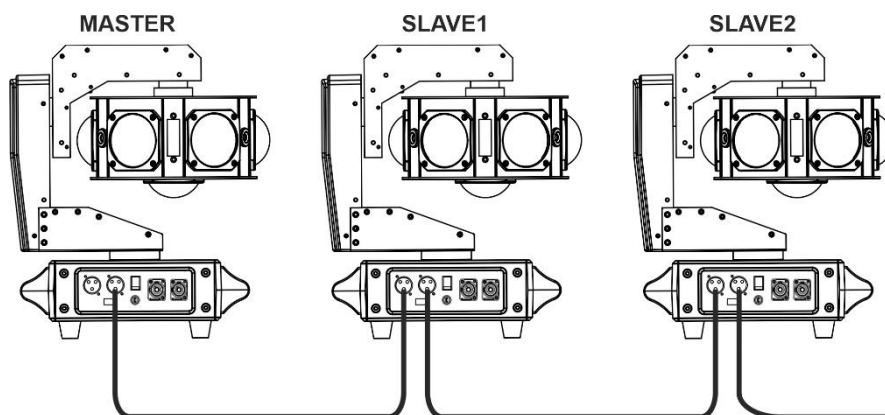
Important: The electrical installation should be carried out by qualified personal only, according to the regulations for electrical and mechanical safety in your country.

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:

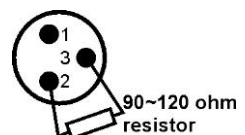
In this mode the units will show a synchronized show, working to the rhythm of the beat.

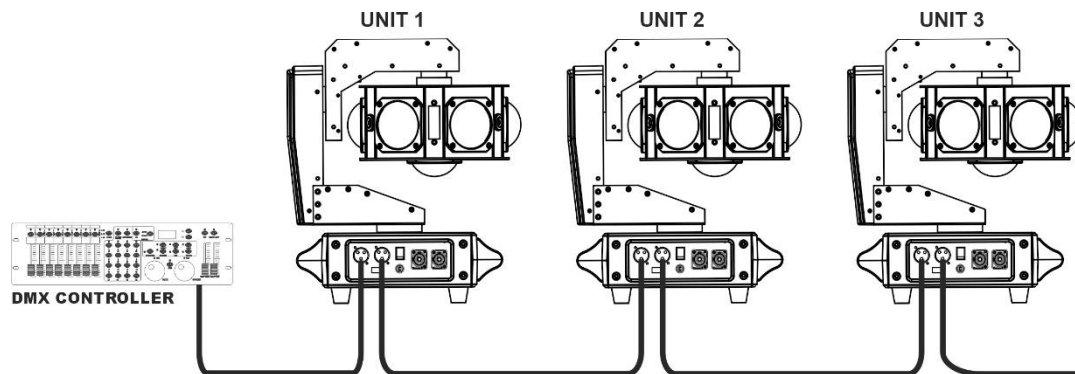


- Connect 2 to maximum 16 units together using good quality DMX cables. Put the first unit in the chain in show or sound mode (see Setup menu) and the other units as slaves (see Setup menu).
- Make sure that all units are connected to the mains.
- Done!

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 the number of DMX channel they use.

DMX-CONFIGURATION OF THE UFO X4 IN 1, 5, 17 AND 25CH MODE:

1 CHANNEL MODE :

1Ch	Function	DMX value	Remarks
1	Macro Function	0-55	No function
		56-155	Auto
		156-255	Sound

5 CHANNEL MODE :

5Ch	Function	DMX value	Remarks
1	Standby	000-007	
	Dimmer 0 - 100%	008-255	
2	Strobe	0-7	Close
		8-15	Open
		16-132	Strobe from slow to fast
		133-139	Open
		140-181	Pulse close-open from slow to fast
		182-190	Open
		191-231	Pulse open-close from slow to fast
		232-239	open
		240-247	Random strobe
		248-255	open
3	LED Macro Function	0-5	No function
		6-55	Color auto running effect 1 from slow to fast
		56-105	Color auto running effect 2 from slow to fast
		106-155	Color auto running effect 3 from slow to fast
		156-205	Color auto running effect 4 from slow to fast

		206-255	Color sound control
4	Macro Function	0-55	No function
		56-155	Auto
		156-255	Sound
5	Sensitivity	0-255	

17 - 25 CHANNEL MODE :

17Ch	25Ch	Function	DMX Value	Remarks
1	1	Pan	0-255	0-540°
	2	Pan fine	0-255	
2	3	Tilt	0-255	0-320°
	4	Tilt fine	0-255	
3	5	P/T Speed	0-255	Slow -> Fast
4	6	Z	0-255	0-360°
5	7	Dimmer	0-255	0 - 100%
6	8	Strobe	0-7	Close
			8-15	Open
			16-132	Strobe from slow to fast
			133-139	Open
			140-181	Pulse close-open from slow to fast
			182-190	Open
			191-231	Pulse open-close from slow to fast
			232-239	open
			240-247	Random strobe
			248-255	open
7	9	Red	0-255	0 - 100%
8	10	Green	0-255	0 - 100%
9	11	Blue	0-255	0 - 100%
10	12	White	0-255	0 - 100%
	13	Red(Center)	0-255	0 - 100%
	14	Green(Center)	0-255	0 - 100%
	15	Blue(Center)	0-255	0 - 100%
	16	White(Center)	0-255	0 - 100%
11	17	Red Laser	0-255	
12	18	Green Laser	0-255	
13	19	Blue Laser	0-255	
14	20	3 x strobe LED 10W	0-5	No function
			6-255	Strobe from slow to fast
15	21	108 RGB 5050 LEDs effect	0-3	No function
			4-9	Red
			10-15	Green
			16-21	Blue
			22-27	Yellow
			28-33	Purple
			34-39	Cyan

			40-45	White
			46-255	30 effects
16	22	108 RGB 5050 LEDs effect Speed	0-255	Speed from slow to fast
	23	LED Macro Function	0-5	No function
			6-55	Color auto running effect 1 from slow to fast
			56-105	Color auto running effect 2 from slow to fast
			106-155	Color auto running effect 3 from slow to fast
			156-205	Color auto running effect 4 from slow to fast
			206-255	Color sound control
17	24	Macro Function	0-55	No function
			56-155	Auto
			156-255	Sound
	25	Sensitivity	0-255	

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.

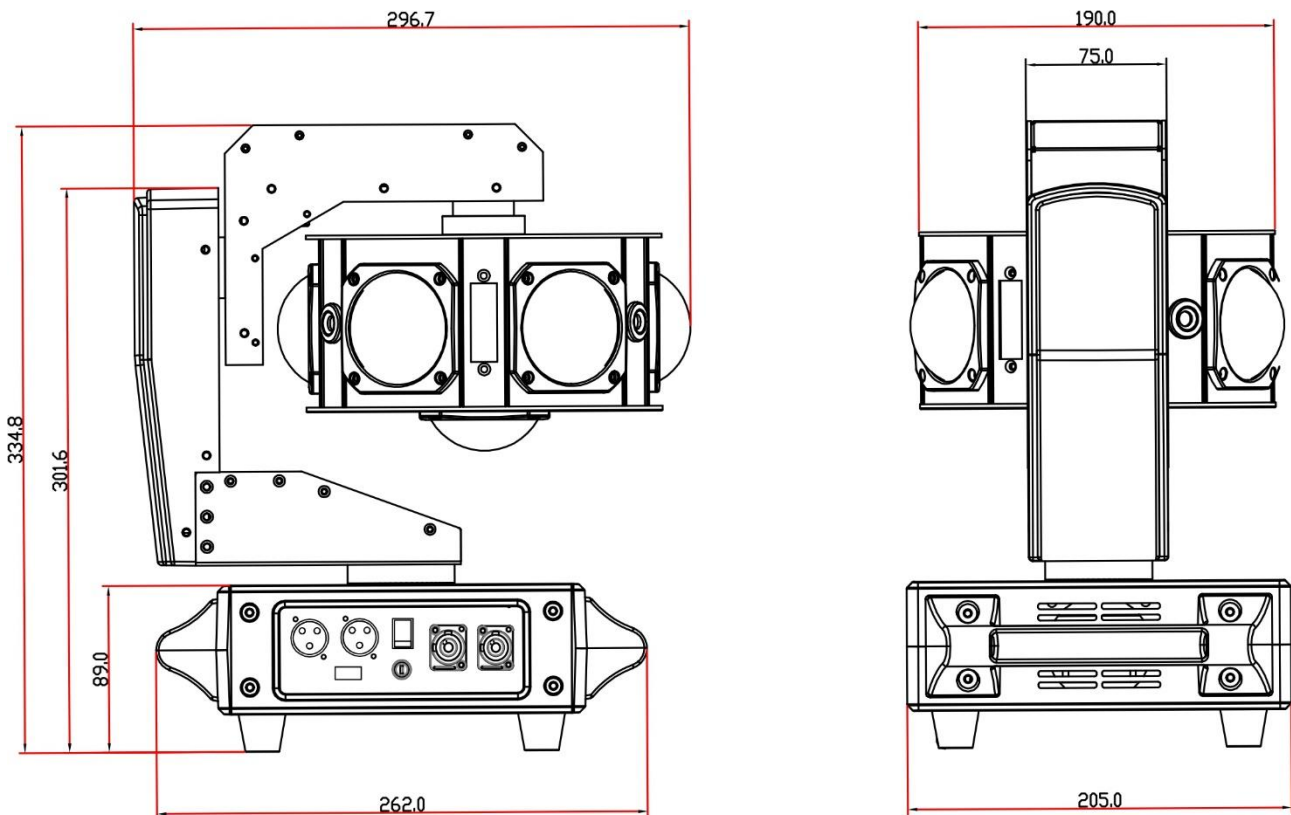
Attention: We strongly recommend internal cleaning to be carried out by qualified personnel!

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.

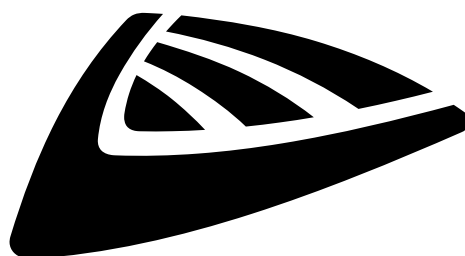
Mains Input:	AC 100 - 240V, 50/60Hz
Power consumption:	120 Watt (Max.)
Fuse:	250V 5A Slow (20mm glass)
Power connections:	Powercon® compatible - 10A
DMX connections:	3pin-XLR male / female
DMX channels used:	1ch, 5ch, 17ch, 25ch
Light sources:	28x3W RGBW LEDs 108xRGB/3in1 5050 LEDs 3x10W strobe LEDs 1x50mW Red Laser, 1x50mW Green Laser, 1x50mW Blue Laser
IP-Rating:	IP20
Pan movement:	540°
Tilt movement:	320°
Z movement:	Endless rotation
Operating temperature (T_a):	0°C to 40°C
Size:	26,5x20,7x36cm
Weight:	5,85 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



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!

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