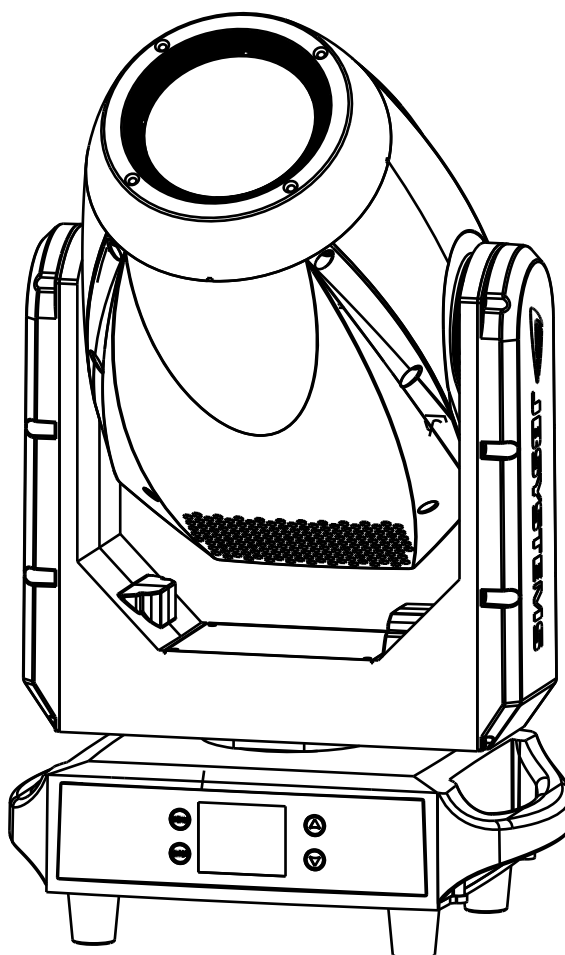


VANTA SPOT



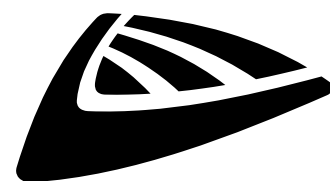
ENGLISH

Operation Manual

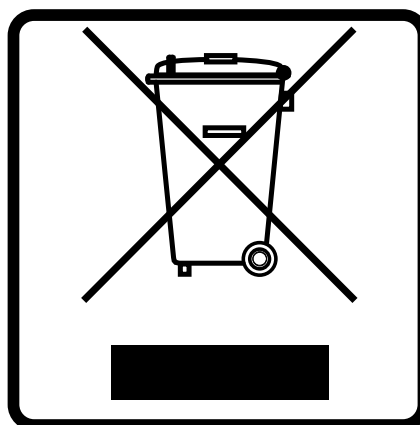
Other languages can be downloaded from:
WWW.JB-SYSTEMS.EU



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 pais.

IT - SMALTIMENTO DEL DISPOSITIVO

Smaltire l'unità e le batterie esaurite in modo ecocompatibile, nel rispetto delle
normative vigenti nel proprio paese.

USER 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

- This is a compact and light weight OUTDOOR VERSION of our extremely successful CHALLENGER BSW.
 - IP65 protection!
 - Upgraded 300W LED Power for increased output!
- Focus controlled by DMX
- Zoom controlled by DMX
- 3 facet rotating prism
- 0-100% dimming and different strobe effects
- Separate gobo wheel with 8 fixed gobos + open
- Separate gobo wheel with 8 rotating gobo's + open (diameter gobo 16mm – pattern max. 10mm)
- Color wheel with 10 colors + open
- Multiple working modes:
 - DMX-control: via 5, 17 or 20 channels
 - Standalone: sound activated with internal mic
 - Master/slave: Wonderful synchronized shows in standalone mode
- Build-in Wireless DMX compatible with WDMX G4
- Color LCD-display for easy menu navigation
- 3p and 5p 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:

- VANTA SPOT unit
- 2 Omega-brackets
- True1 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 of 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 Class I appliance must be earthed in order to comply with safety regulations

IP65

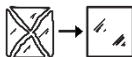
This unit is fully protected against dust ingress and is also protected against water jets from all directions.



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 meters



Visibly damaged lenses/housing parts should be replaced with original spare parts.



CAUTION: Do not stare at operating light source, this may be harmful to the eyes.



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

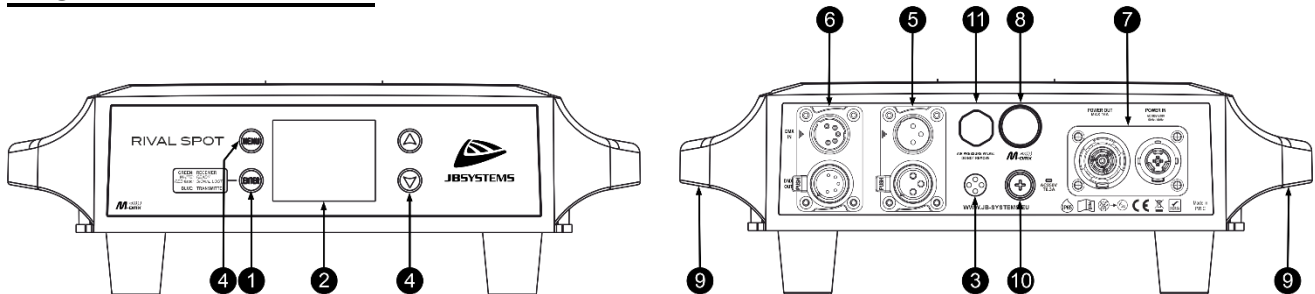
- To protect the environment, please try to recycle the packing material as much as possible.
- To avoid condensation forming inside, allow the unit to adapt to the surrounding temperatures when bringing it into a warm room after transport. Condensation sometimes prevents the unit from working at full performance or may even cause damage.
- 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 ambient temperature is 40°C. Don't use this unit at higher ambient temperatures.
- Make sure the area below the installation of the fixture 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 starting servicing.
- The electrical installation should be carried out by qualified personnel 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 grounded in order to comply with electrical 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 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 packaging 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.

HOW TO SET UP THE UNIT

FRONT + BACK PANEL:



- 1. ENTER & W-DMX indicator:** Indicate the status and mode of the WDMX module
 - **Green:** Receiver mode
 - **Blue:** Transmitter mode
 - **Red:** Connection lost
 - **White:** Ready to pair
- 2. DISPLAY:** shows the information on the different modes and functions.
- 3. MICROPHONE** for sound mode.
- 4. DISPLAY MODE BUTTONS:**
 - **▼ button** : press this button to go down in the menu or lower a value
 - **▲ button** : press this button to go up in the menu or increase a value
 - **MENU:** press this button to go back to the main menu or to leave submenus.
- 5. DMX OUT:** 3p and 5p XLR Female connector to connect other projectors or use in Master/slave mode.
- 6. DMX IN:** 3p and 5p XLR Male connector receive DMX data from a console or use in Master/slave mode.
- 7. POWER IN/OUT:** used to power the fixture and daisy chain the power to several other fixtures. Always pay attention to the maximum load while adding fixtures!
- 8. W-DMX ANTENNA**
- 9. CARRY HANDLE:** Must also be used to connect the safety cable
- 10. FUSE HOLDER**
- 11. AIR VALVE**

Remark: On the head, besides the heatsink, there is a second air valve.

SETUP MENU:

- This is the list of all the functions in the machine.
- 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 Functions	DMX Address	1-xxx
	DMX Mode	Mode 1 (5ch)
		Mode 2 (17ch)
		Mode 3 (20ch)
	No DMX	Sound
		Freeze
		BlackOut
	W-DMX	On/Off
		W-DMX Mode
		Create link
		Delete link
	View DMX Value	
Show Settings	Show Mode	Floor 180°
		Ceiling hung
		Stage floor
		Stage hung
	Slave Mode	Sync
		Opposite
Fixture Settings	Sound Trigger	On/Off
	Sound sensitivity	0-100
	Pan Inverse	Yes/No
	Tilt Inverse	Yes/No
	P/T Feedback	Yes/No
	Dimmer Curve	Linear
		Square
		Inv SQ
		S Curve
	Dimmer Speed	Fast/Smooth
Display Settings	Display Inverse	Yes/No/Auto
	Backlight Switch	On/Off
	Backlight Intensity	2/10
	Temperature Unit	C/F
	Lock keyboard	Yes/No
Fixture Test	Auto test	
	Manual test	
Fixture Information	RDM UID	0x2122100Axxxx
	Fixture Use time	
	Firmware version	
Reset	Pan/Tilt	
	Effect	
	All	
Special function	Factory setting	
	Password	

DMX Functions

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:
 - **5 CH mode:** PAN/TILT are music controlled while the dimmer, strobe speed, gobos, colors & PAN/TILT –speed can be set using only 5 DMX channels.
 - **17 CH mode:** same as the 20CH mode but without Pan/Tilt/Dim Fine adjustment possibility.
 - **20 CH mode:** Full DMX-control on all functions.
- Once the correct option shows on the display, press the ENTER button to confirm.

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.

W-DMX

Used to configure the W-DMX transceiver

- 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 function:
 - **ON/OFF:** Enables or disables the W-DMX module
 - **W-DMX mode:** Configures the W-DMX module as transmitter or receiver
 - **Create/Delete link**
- Once the correct option shows on the display, press the ENTER button to confirm.

View DMX Value

Shows the value of each function of the fixture on every moment. Used for problem solving.

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

Show Settings

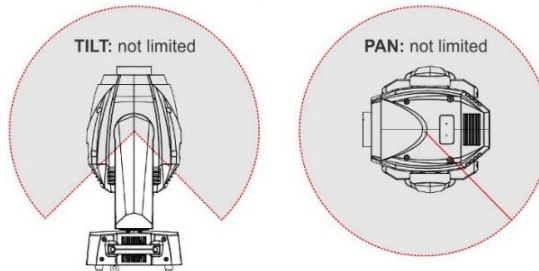
Show Chase

Used to select the installation position of the projector while used in standalone mode.

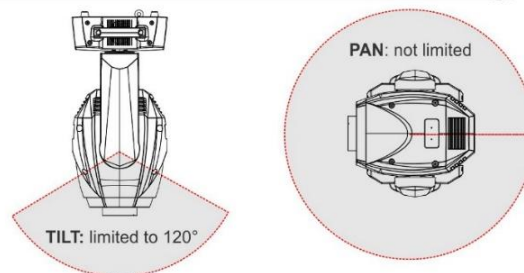
- Press the MENU button to access the different functions in the menu.
- Press the ▲/▼ buttons until the desired function is showing on the display.
- Press the ENTER button to select the desired show mode.
 - **Floor 180°**
 - **Ceiling hung**
 - **Stage floor**
 - **Stage hung**

EXPLANATION ON THE PAN/TILT LIMITATIONS USED IN DIFFERENT SITUATIONS (SHOWMODES 1to4)

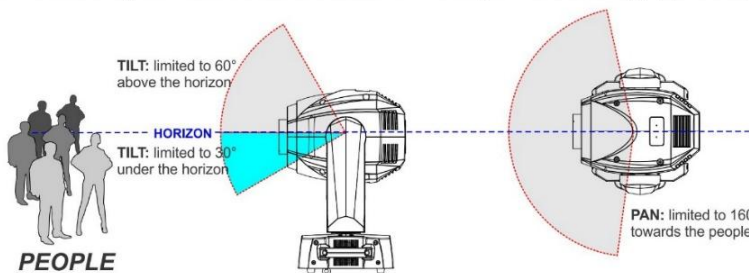
SHOW1 / Floor 180° : used when the fixture is placed on the floor.



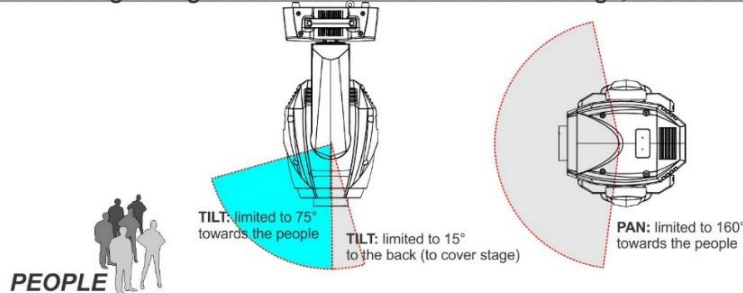
SHOW2 / CeilingHung : used when the fixture is fixed under the ceiling.



SHOW3 / Stage Floor : used when the fixture is placed on a stage, pointing to the people.



SHOW4 / Stage Hung : used when the fixture is fixed on stage, under the ceiling.



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

Slave Mode

- Used to make the slave unit work in opposite to the master or to work in complete sync.
- 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:
 - Master sync:** the slave operates in complete sync with the master.
 - Master Opposite:** the slave operates in the opposite mode as compared with the master.
- Once the correct option shows on the display, press the ENTER button to confirm.

Sound Trigger

- **Used to make the unit work in audio 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.

Sound Sense

- **Used to adjust the sensitivity of the build in microphone .**
- 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 the ▼/▲ buttons to choose a value between “000” (very low sensitivity) and “100” (high sensitivity).
- Press the ENTER button to confirm the desired sensitivity.

Fixture Settings

Pan Inverse

Used to select if the PAN movements 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.
- Press the ENTER button: the values can be changed
- Use ▲/▼ buttons to toggle between No and Yes.
- Press the ENTER button to confirm.

Tilt Inverse

Used to select if the TILT movements 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.
- Press the ENTER button: the values can be changed
- Use ▲/▼ buttons to toggle between No and Yes.
- Press the ENTER button to confirm.

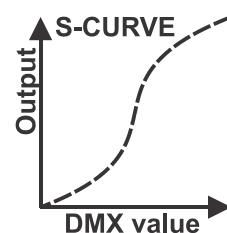
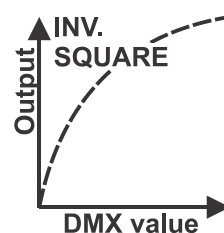
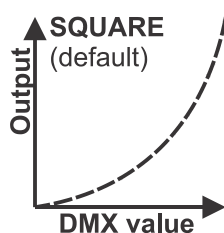
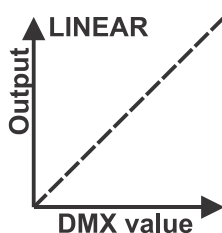
P/T Feedback

- **This function corrects the PAN/TILT positions automatically if someone bumps onto the machine.**
- 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 toggle between No and Yes.
- Press the ENTER button to confirm.

Dimmer Curve

Used to set the dimmer curve of the master dimmer.

- 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 selected the desired curve:



- Once you have the desired curve, press the ENTER button to save it.

Dimmer Speed

Used to set the dimmer speed of the master dimmer.

- 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 speed can be changed to Fast or Smooth.
- Use ▲/▼ buttons to selected the desired dimming speed.
- Press the ENTER button to confirm.

Display Settings**Display Inverse**

Used to control the display orientation.

- 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 Yes or No.
- Use ▲/▼ buttons to select the desired display position.
- Press the ENTER button to confirm.

Backlight Switch

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 Switch 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.

Backlight Intensity

Used to set the brightness of the backlight.

- 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 brightness of the backlight can be set from 000 to 010.
- Use ▲/▼ buttons to select the desired value.
- Press the ENTER button to confirm.

Temperature Unit

Used to set the temperature measurement in °C or °F.

- 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 temperature can be set in °C or °F.
- Use ▲/▼ buttons to select the desired temperature measurement.
- Press the ENTER button to confirm.

Fixture Test**Auto Test**

Used to start the automatic test function: all functions will be tested.

- 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 projector starts an automatic AUTOTEST program until you stop it.
- Press the MENU button to stop the program.

Manual Test

Used to test all functions one by one manually.

- 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. A list with all the functions will appear.
- Press the ▲/▼ buttons to select the function you want to test.

- Press the ENTER button to confirm.
- Press the ▲/▼ buttons to change the value for testing.
- Press the MENU button to stop the program.

Fixture Information

RDM UID

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 stop the program.

Fixture use 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 stop the program.

Firmware Version

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 versions of the different processors in the projector:
A-Vxx, B-Vxx, C-3xx

Note: The firmware of this unit can be upgraded using the Firmware Updater (order code : B04319) from Briteq with Windows® software.

Reset

Pan/Tilt

Used to reset the Pan and Tilt functions of 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 Pan/Tilt
- Press the ENTER button again to start resetting Pan/Tilt functions.

Effect

Used to reset the effect functions of 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 Effect
- Press the ENTER button again to start resetting the effect functions.

All

Used to reset all the functions of 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 ALL
- Press the ENTER button again to start resetting ALL functions.

Special Function > Factory Setting

Used to reset the functions of the projector to the factory settings.

- 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 Special Function>Factory Setting.

- Press the ENTER button again to select No or Yes.

Special Function > Password

Used to reset the fixture use timer.

MOTOR OFFSET MENU

This is a hidden menu where you can fine-tune the offset of several functions. To access this menu do as follows: press the ENTER button for about 2 seconds while you are in the MAIN Menu (any option, not important). Now the Motor Offset menu shows up:

The home position from the following functions can be adjusted (between -128 and 127) :

- Pan
 - Tilt
 - Color
 - Gobo1
 - Gobo2
 - RGobo2
 - Prism
 - RPrism
 - Frost
 - Focus
 - Zoom
- Press the ▲/▼ buttons until the desired function is showing on the display.
 - Press the ENTER button to select the desired function to adjust.
 - Press the ▲/▼ buttons until the desired function is showing on the display.
 - Press the ENTER button to confirm the value.

OVERHEAD RIGGING

- **Important:** The installation must be carried out by qualified service personnel 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 10 times 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 such a way that whichever part of the installation can drop no more than 20cm, if the main attachment should fail.
- The device should be well attached; a free-swing mounting is dangerous and must not be considered!
- Don't cover any ventilation openings as this may result in overheating.
- The operator has to make sure that the safety-related 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 professional to be sure that safety is still optimal.

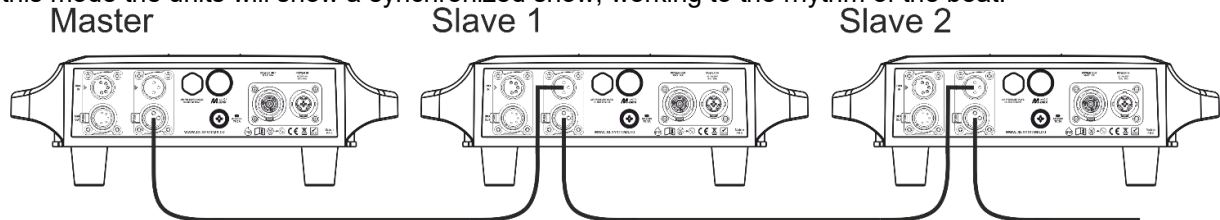
ELECTRICAL INSTALLATION + ADDRESSING



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 two or more units in master/slave:

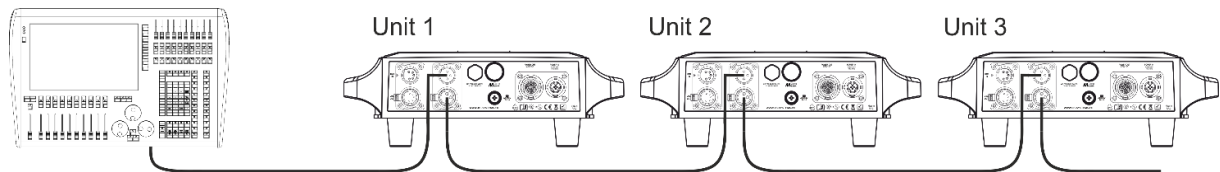
In this mode the units will show a synchronized show, working to the rhythm of the beat.



- Connect 2 to maximum 16 units together using good quality cables. Put the first unit in the chain in master 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 balanced cable.
- 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.



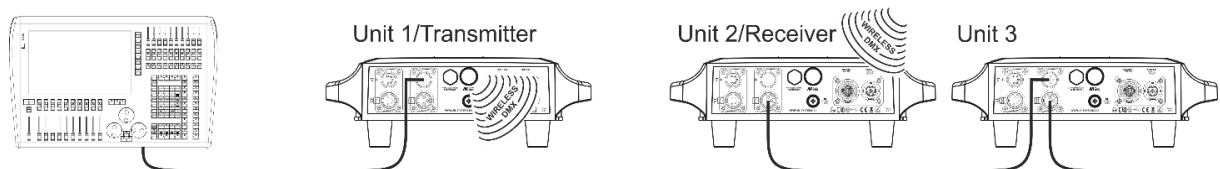
Electrical installation with W-DMX:

To use the VANTA SPOT with W-DMX you can use any Wireless Solutions WDMX G3 compatible transmitter. The fixture can also be used as an (alternative) DMX transmitter:

- Connect the fixture to a controller using a DMX-cable.
- In the setup menu: enable the W-DMX module and put the fixture in transmitter mode. The fixture is ready to send W-DMX.
- When all the receivers are set-up, press “create links” to pair the receiving fixtures to the transmitter

The fixture can also be used as an (alternative) W-DMX receiver:

- In the setup menu: enable the W-DMX module and put the fixture in receiver mode.
- In the W-DMX menu, press **Create link**. The fixture is ready to receive W-DMX
- DMX is automatically presented on the XLR connectors for easy daisy-chaining of fixtures that do not have W-DMX



OPERATING INSTRUCTIONS

- Connect all units together. Refer to the chapter “Electrical installation for two or more units in DMX-mode” to learn how to do this.
- 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 can use a different number DMX-channels, depending on the DMX-mode you have selected in the menu. See the different DMX charts:

DMX-CHART OF THE VANTA SPOT:

5CH	17CH	20CH	VALUES	FUNCTION	REMARKS
1	-	-	000-255	Dimmer (0 - 100%)	
2	-	-	000-007	Open	
			008-037	Random strobe	
			038-067	Sound strobe	
			068-255	Strobe	Strobe (slow -> fast)
3	-	-	0-10	Open	
			11-20	Color 1	
			21-30	Color 2	
			31-40	Color 3	
			41-50	Color 4	
			51-60	Color 5	
			61-70	Color 6	
			71-80	Color 7	
			81-90	Color 8	
			91-100	Color 9	
			101-110	Color 10	
			111-255	Random color sound	
4	-	-	000-007	No gobo	
			008-037	Gobo 1	
			038-067	Gobo 2	
			068-097	Gobo 3	
			098-127	Gobo 4	
			128-157	Gobo 5	
			158-187	Gobo 6	
			188-217	Gobo 7	
			218-247	Gobo 8	
			248-255	Original gobos	
5	-	-	000-007	Pan/Tilt hold (freeze)	
			008-255	Pan/Tilt sound control	Higher value = higher speed
-	1	1	000-255	Pan	
-	-	2	000-255	Pan fine	
-	2	3	000-255	Tilt	
-	-	4	000-255	Tilt fine	
-	3	5	000-255	Pan/Tilt Speed	Fast → slow
-	4	6	000-015	No function	
			016-063	Show 1 / Floor 180°	
			064-127	Show 2 / Ceiling hung	
			128-191	Show 3 / Stage Floor	
			192-255	Show 4 / Stage Hung	
-	5	7	0-7	No function	PAN/TILT Macro's
			8-15	Macro 1	
			16-23	Macro 2	
			24-31	Macro 3	
			32-39	Macro 4	
			40-47	Macro 5	
			48-55	Macro 6	
			56-63	Macro 7	
			64-71	Macro 8	
			72-79	Macro 9	
			80-87	Macro 10	
			88-95	Macro 11	
			96-103	Macro 12	
			104-111	Macro 13	
			112-119	Macro 14	
			120-127	Macro 15	
			128-135	Macro 16	
			136-143	Macro 17	

			144-151	Macro 18	
			152-159	Macro 19	
			160-167	Macro 20	
			168-175	Macro 21	
			176-183	Macro 22	
			184-191	Macro 23	
			192-199	Macro 24	
			200-207	Macro 25	
			208-215	Macro 26	
			216-223	Macro 27	
			224-231	Macro 28	
			232-239	Macro 29	
			240-247	Macro 30	
			248-255	Macro 31	
-	6	8	000-255	Speed Pan/Tilt Macro	Fast → slow
-	7	9	0-10	Open	
			11-15	Color 1	
			16-20	Color 2	
			21-25	Color 3	
			26-30	Color 4	
			31-35	Color 5	
			36-40	Color 6	
			41-45	Color 7	
			46-50	Color 8	
			51-55	Color 9	
			56-60	Color 10	
			61-127	Color index	
			128-189	Spin CCW	Fast → slow
			190-193	Stop	
			194-255	Spin CW	Slow → fast
-	8	10	0-10	Open	
			11-15	FIXED Gobo 1	
			16-20	FIXED Gobo 2	
			21-25	FIXED Gobo 3	
			26-30	FIXED Gobo 4	
			31-35	FIXED Gobo 5	
			36-40	FIXED Gobo 6	
			41-45	FIXED Gobo 7	
			46-50	FIXED Gobo 8	
			51-60	Shake FIXED Gobo 1	
			61-70	Shake FIXED Gobo 2	
			71-80	Shake FIXED Gobo 3	
			81-90	Shake FIXED Gobo 4	
			91-100	Shake FIXED Gobo 5	
			101-110	Shake FIXED Gobo 6	
			111-120	Shake FIXED Gobo 7	
			121-127	Shake FIXED Gobo 8	
			128-190	FIXED Gobo wheel rotation CCW	Fast → slow
			191-192	FIXED Gobo wheel rotation STOP	
			193-255	FIXED Gobo wheel rotation CW	Slow → fast
-	9	11	0-10	Open	
			11-15	ROTATING Gobo 1	
			16-20	ROTATING Gobo 2	
			21-25	ROTATING Gobo 3	
			26-30	ROTATING Gobo 4	
			31-35	ROTATING Gobo 5	
			36-40	ROTATING Gobo 6	
			41-45	ROTATING Gobo 7	
			46-50	ROTATING Gobo 8	

			51-60	Shake ROTATING Gobo 1	
			61-70	Shake ROTATING Gobo 2	
			71-80	Shake ROTATING Gobo 3	
			81-90	Shake ROTATING Gobo 4	
			91-100	Shake ROTATING Gobo 5	
			101-110	Shake ROTATING Gobo 6	
			111-120	Shake ROTATING Gobo 7	
			121-127	Shake ROTATING Gobo 8	
			128-190	ROT. Gobo wheel rotation CCW	Fast → slow
			191-192	ROT. Gobo wheel rotation STOP	
			193-255	ROT. Gobo wheel rotation CW	Slow → fast
-	10	12	0-127	ROT. Gobo rotation INDEX	Indexing
			128-190	ROT. Gobo rotation CCW	Fast → slow
			191-192	ROT. Gobo rotation STOP	
			193-255	ROT. Gobo rotation CW	Slow → fast
-	11	13	000	Zoom: Narrow	
			1-254	Zoom: Narrow-Wide	
			255	Zoom: Wide	
-	12	14	0-64	No function	
			65-127	Prism	
			128-255	Frost	
-	13	15	0-127	Prism rotation INDEX	Indexing
			128-190	Prism rotation CCW	Fast → slow
			191-192	Prism rotation STOP	
			193-255	Prism rotation CW	Slow → fast
-	14	16	0-255	Focus	
-	15	17	0-7	Shutter/strobe OFF	no output
			8-15	Open	no strobe
			16-131	Strobe	Slow → fast
			132-139	Open	no strobe
			140-181	Open/close	Slow → fast
			182-189	Open	no strobe
			190-231	Close/open	Slow → fast
			232-239	Open	no strobe
			240-247	Random strobe	
			248-255	Open	no strobe
-	16	18	0-255	Dimmer (0-100%)	
-	-	19	0-255	Dimmer fine	
-	17	20	0-69	No function	Special functions
			70-79	Pan/Tilt	Blackout enabled
			80-89	Pan/Tilt	Blackout disabled
			90-99	Color changing	Blackout enabled
			100-109	Color changing	Blackout disabled
			110-119	Gobo changing	Blackout enabled
			120-129	Gobo changing	Blackout disabled
			130-139	No function	
			140-149	Pan/Tilt RESET	
			150-159	Effect RESET	
			160-199	No function	
			200-209	RESET all functions	
			210-219	Pan/Tilt/Color/Gobo	Blackout enabled
			220-229	Pan/Tilt/Color/Gobo	Blackout disabled
			230-255	No function	

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 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.
- Housing, 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.
- To keep the device from overheating, 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 conventional glass cleaning products.
 - Always dry the parts carefully.

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

TESTING WATERPROOFNESS

Whenever a waterproof outdoor fixture is opened for internal cleaning, repair, or replacement of gobos, it is important to ensure that the fixture is still waterproof after closing.

After closing the fixture:

- Visually check the rubber seals for any damage and/or interruptions.
- Make sure seals are well placed in the designated recesses.
- All bolts must be tightened evenly across the entire surface.
- Bolts must be tightened firmly but not excessively to avoid damaging the rubber seals.

For absolute certainty, it is strongly recommended to perform an additional air leak pressure test using our BTI-IPTEST (order code: B09904):

- To do this, carefully follow the instructions in the BTI-IPTEST manual.
- This fixture is IP65 rated and should be tested following the IPX5 setting of 3-5kPa.

Remark: to correctly test the fixture, you should be 100% sure that no more than 1 air valve was installed: check this before testing! If the product has more than 1 air valve, the other air valve(s) must be replaced by a "dummy" valve before starting the test. After the test, the dummy valve(s) must be replaced again.

SPECIFICATIONS

ENGLISH

JB Systems®, hereby declares that the equipment described in this manual complies with RED Directive 2014/53/EU. The full text of the EU Declaration of Conformity, as well as the latest version of the manual and technical specifications, are available at the following internet address (under Manual and downloads): <https://jb-systems.eu/vanta-spot>

NEDERLANDS

Hierbij verklaart JB Systems®, dat de apparatuur beschreven in deze handleiding voldoet aan de richtlijn RED 2014/53/EU. De volledige tekst van de EU-conformiteitsverklaring, alsook de laatste versie van de handleiding en technische specificaties zijn beschikbaar op het volgende internetadres (onder Handleiding en downloads): <https://jb-systems.eu/nl/vanta-spot>

FRANCAIS

JB Systems®, déclare par la présente que l'équipement décrit dans ce manuel est conforme à la directive RED 2014/53/UE. Le texte complet de la déclaration de conformité UE, ainsi que la dernière version du manuel et les spécifications techniques sont disponibles à l'adresse Internet suivante (sous Manuel et téléchargements) : <https://jb-systems.eu/fr/vanta-spot>

DEUTSCH

Hiermit erklärt JB Systems®, dass die in dieser Anleitung beschriebene Ausrüstung der RED Richtlinie 2014/53/EU entspricht. Der vollständige Text der EU-Konformitätserklärung sowie die neuesten Versionen der Anleitung und der technischen Spezifikationen sind unter folgender Internetadresse verfügbar (unter Anleitung und Downloads): <https://jb-systems.eu/de/vanta-spot>

ESPAÑOL

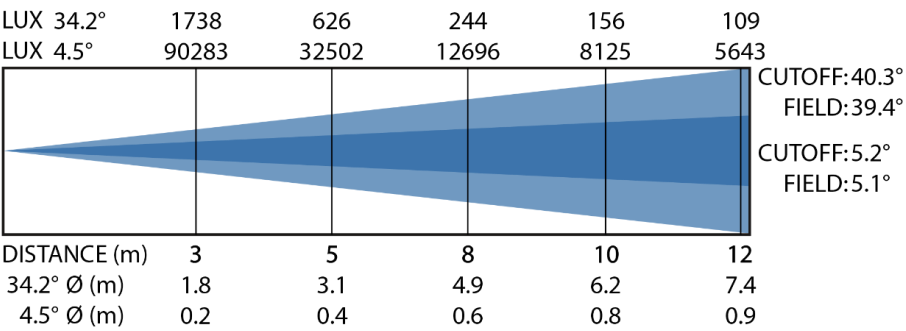
JB Systems® declara por la presente que el equipo descrito en este manual cumple con la Directiva RED 2014/53/UE. El texto completo de la Declaración de conformidad de la UE, así como la última versión del manual y las especificaciones técnicas, están disponibles en la siguiente dirección de Internet (en Manual y descargas): <https://jb-systems.eu/vanta-spot>

ITALIANO

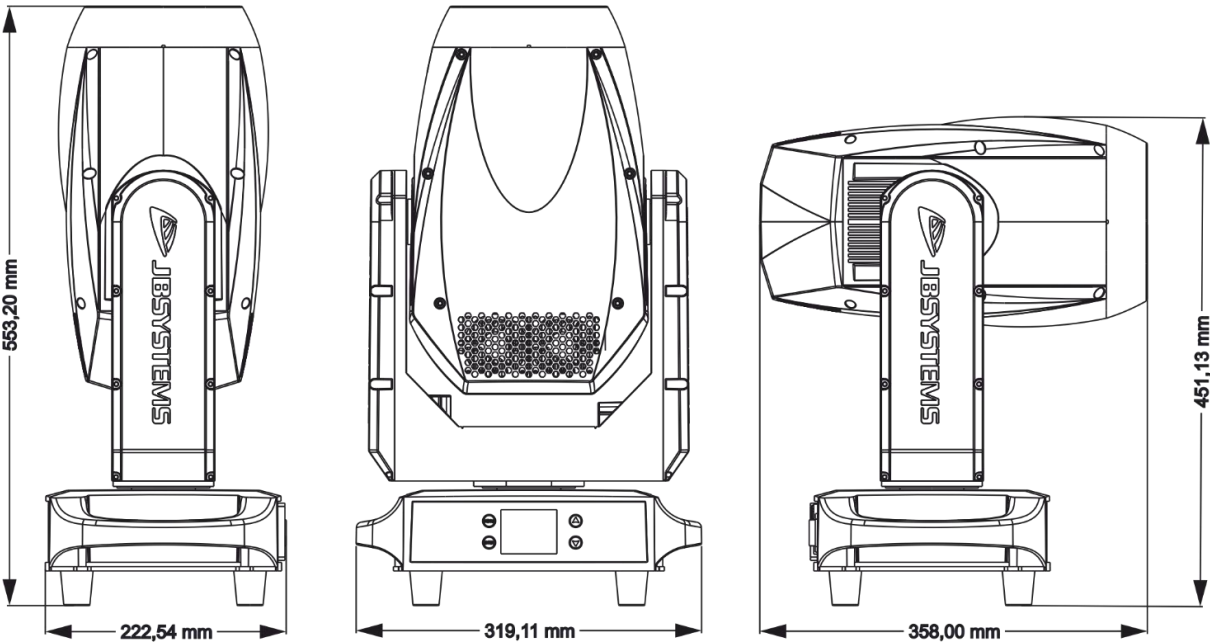
JB Systems® dichiara con la presente che l'apparecchiatura descritta nel presente manuale è conforme alla Direttiva RED 2014/53/UE. Il testo completo della Dichiarazione di conformità UE, nonché l'ultima versione del manuale e delle specifiche tecniche, sono disponibili al seguente indirizzo Internet (alla voce "Manuale e download"): <https://jb-systems.eu/vanta-spot>

Power Supply:	AC 100 - 240V, 50/60Hz
Fuse:	250V 6.3A slow blow (20mm glass)
Power connections:	Seetronic IP65 True1 compatible connector
Power link:	Max. 16A
Carrier Frequency Range:	2403.14 → 2482.08 MHz
RF transmission power:	3.49 dBm (2.23 mW)
Power consumption:	320 Watt
Sound Control:	Internal microphone
DMX connections:	3pin & 5pin XLR male / female
DMX channels used:	5, 17 & 20 channels
Lamp:	300W White LED engine
Color wheel:	10 colors + open
Gobo wheel:	8 fixed gobos + open
Rotating Gobo wheel:	8 rotating gobos + open
IP-Rating:	IP65
Pan movement:	540°
Tilt movement:	270°
Operating temperature (T_a):	0°C to 40°C
Size:	55.3 x 22.2 x 31.9cm
Weight:	15.kg

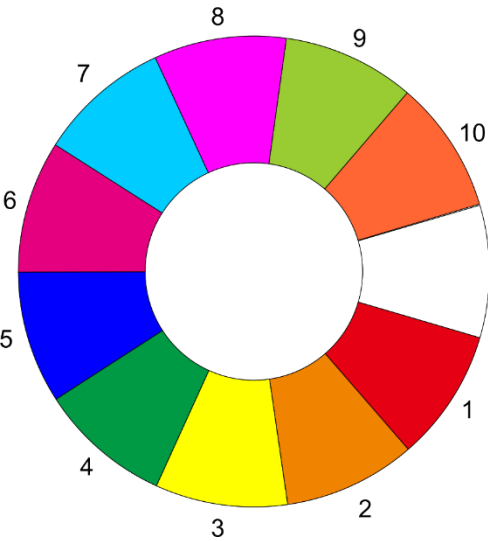
LUX CHART



DIMENSIONS

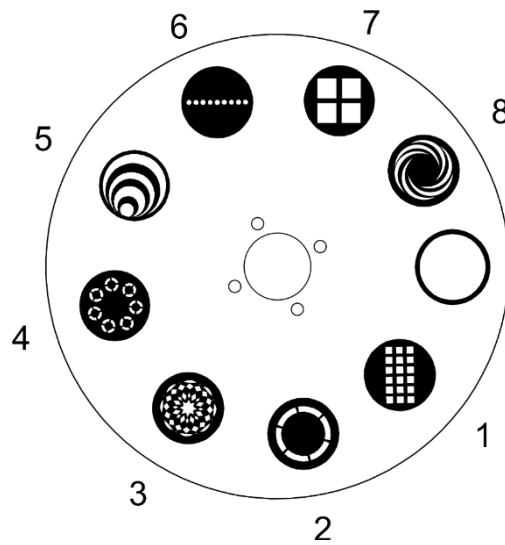


COLOR WHEEL

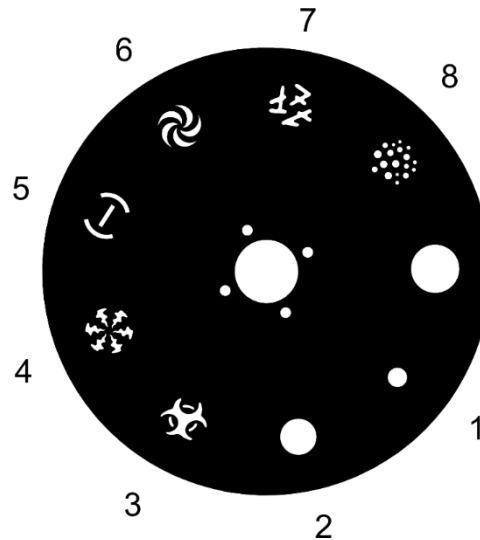


ROTATING GOBO WHEEL

(diameter gobo 16mm – pattern max. 10mm)

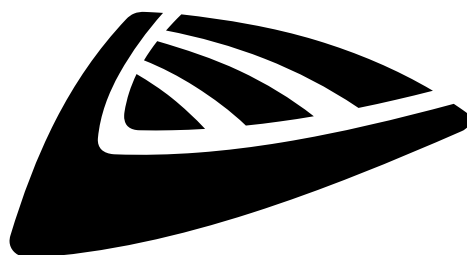


STATIC GOBO WHEEL



The information might be modified without prior notice

You can download the latest version of this user manual on our website: www.jb-systems.eu



JBSYSTEMS

FR : *Merci d'avoir choisi ce produit JBSystems®. Vous pouvez télécharger la version française de ce mode d'emploi de notre site Web.*

NL: *Hartelijk dank voor de aankoop van dit JBSystems® product. U kan de Nederlandstalige versie van deze handleiding downloaden.*

DE: *Vielen Dank, dass Sie sich für den Erwerb dieses JBSystems®-Produkt entschieden haben. Sie können sich die Deutsche Version dieses Benutzerhandbuches von unserer Website herunterladen.*

ES: *Gracias por comprar este producto JBSystems®. Puede descargar la versión en Español de este manual de usuario en nuestra página Web.*

IT: *Grazie mille per aver acquistato questo prodotto JBSystems®. È possibile scaricare la versione in italiano di questo manuale dal nostro sito web.*

WWW.JB-SYSTEMS.EU

Copyright © 2026 by BEGLEC NV

't Hofveld 2C ~ B1702 Groot-Bijgaarden ~ Belgium

Reproduction or publication of the content in any manner, without express permission of the publisher, is prohibited.