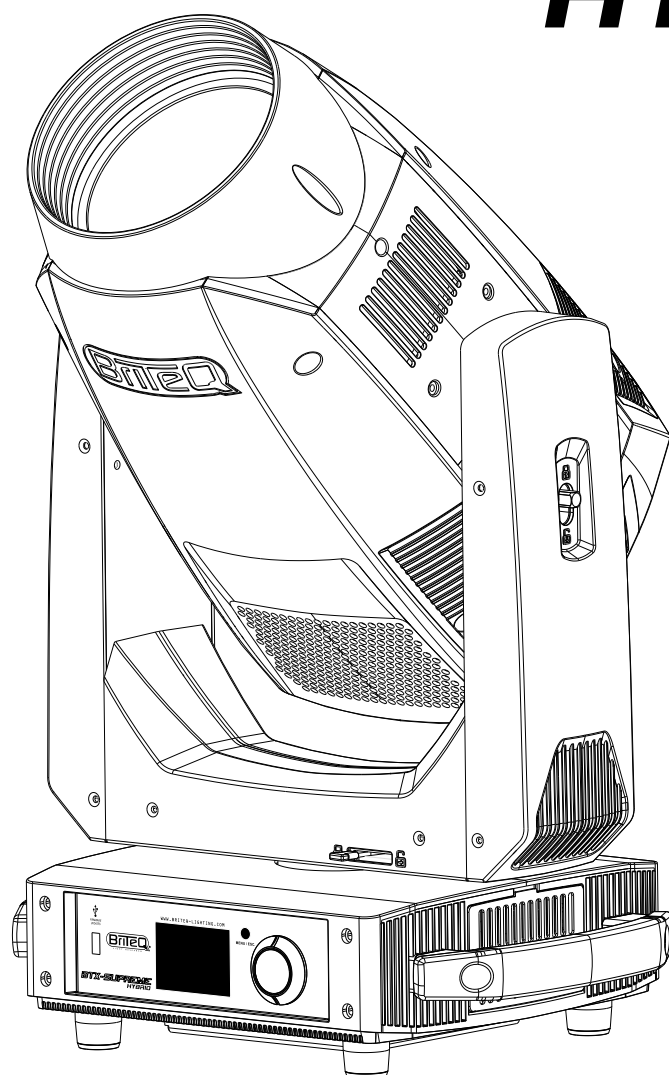


BTX-SUPREME ***HYBRID***



ENGLISH

Operation Manual

Other languages can be downloaded from:
WWW.BRITEQ-LIGHTING.COM



Version: 1.0





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 Briteq® 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

- BTX-SUPREME HYBRID is an extremely bright hybrid moving head for big clubs, concert stages and rental!
- The OSRAM SIRIUS HRI 471W SN lamp (CCT: 7500K), combined with Hi-Q optics, make it incredibly bright:
 - BEAM: 1,8° ~ 22°, max. 485'000 lux @ 10m
 - SPOT: 3° ~ 42°, max. 132'000 lux @ 10m
- The different effect wheels and filters create dazzling effects:
 - Precise and fast CMY-color mixing
 - 1 color wheel with 13 carefully selected colors, including 3200K CTO-filter + white
 - 1 gobo wheel with 13 static gobos + open
 - 1 gobo wheel with 9 easily replaceable rotating/indexable glass gobos (OD: 17mm / IM: 12mm)
 - 2 Prism wheels, each with 4 rotating/indexable prisms, can be combined to create stunning effects!
 - 1 Rotating/indexable animation wheel that can be combined with different gobos
 - 1 light FROST-effect 0-100%
 - 1 heavy FROST-effect 0-100%
 - 1 Hi-CRI filter to improve the white light quality
- Motorized ZOOM + FOCUS with calibrated DMX-values
- Accurate Dimmer/shutter for linear dimming and variable strobe effects
- The 3-Phase stepper motors assure very fast 540°/270° PAN/TILT movements with 8 or 16bit precision.
- Selectable PAN range: 540° or 630°
- Modular setup for easy servicing and cleaning.
- Supported protocols: DMX512/RDM, Art-Net™, sACN
- Integrated wireless DMX module (W-DMX Sweden) with internal antenna to prevent antenna breakage.
- 2 DMX channel modes (standard: 24ch & Extended: 35ch) for maximum flexibility
- 2.8" Color touch screen with automatic display rotation for easy and intuitive menu navigation
- Rotary encoder for easy scrolling through the intuitive setup menu
- Factory & user defaults: easily save and recall your own preferred settings!
- Easy firmware updates via USB memory stick to keep your machine always up-to-date
- Remote lamp on/off control
- Remote FULL 471W / ECO 360W lamp control to extend the lifetime, up to 2'000 hours.
- Neutrik® 3pin & 5pin XLR & RJ45 network in/outputs for maximum flexibility in a professional environment
- Neutrik® powerCON TRUE1 in/outputs: up to 12A can be daisy chained for easy installation
- Equipped with 2 omega brackets for fast installation.
- Power consumption: max. 800W

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:

- 1x BTX-SUPREME HYBRID
- 2x Omega brackets
- 1x Power cable
- 1x 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



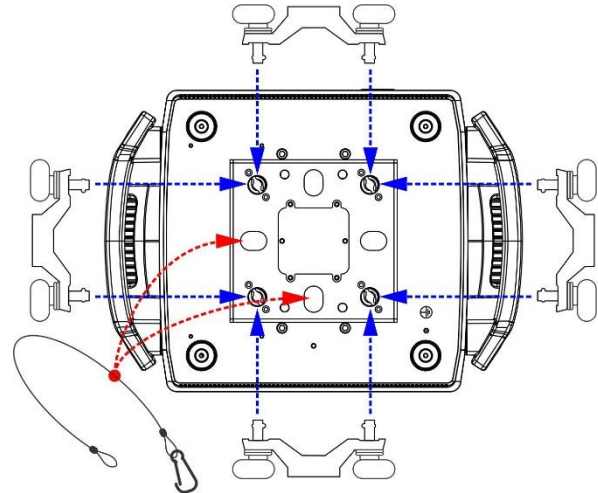
The device is not suitable for direct mounting on normally flammable surfaces. (Suitable only for mounting on non-combustible surfaces)

- 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 100cm 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 (number 3 on the picture) 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.

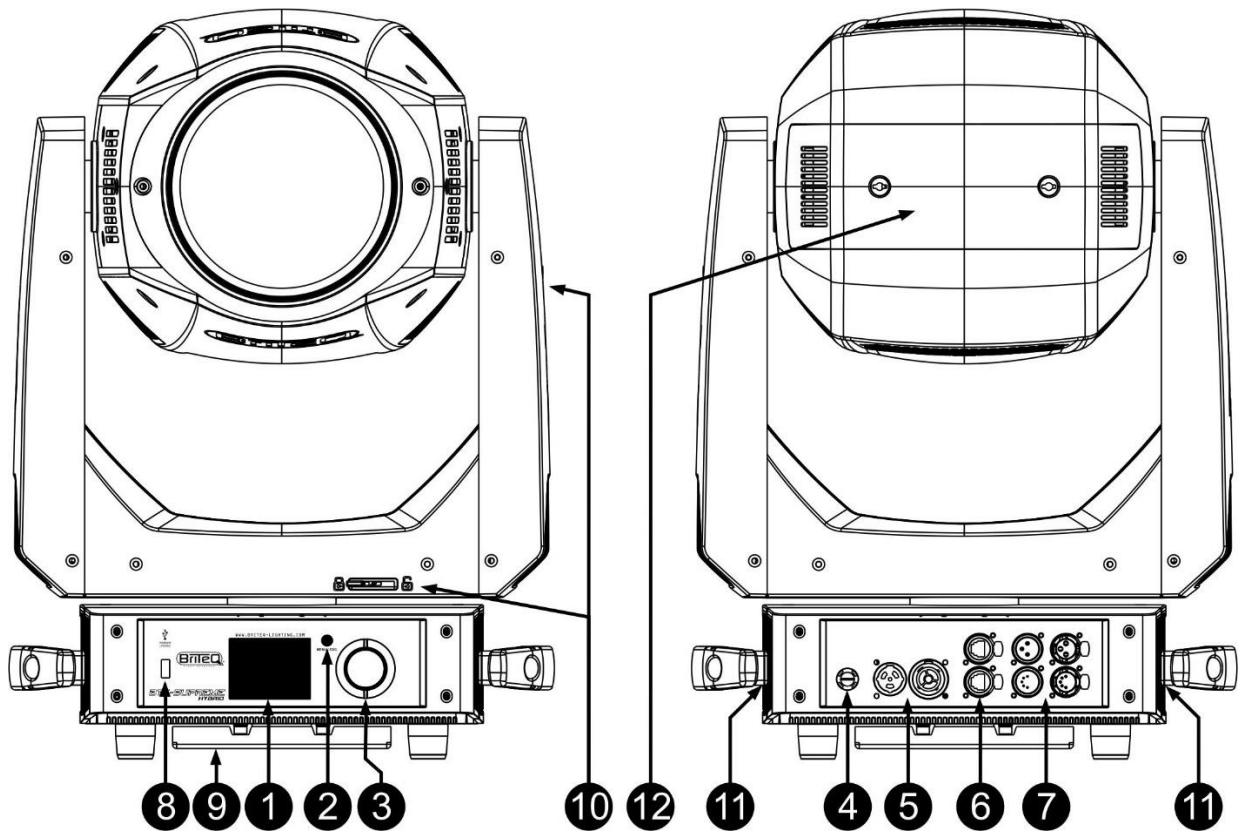


Please note that the light beam of this projector can be very hot! Therefore, it is not allowed to install this projector less than 1 meter from highly flammable materials. We strongly recommend to keep a minimum distance of 15m from the object to be illuminated.

Also make sure that the light beam never hits other projectors in the direct surroundings (for example on the same truss), this can cause damage to the housing of the illuminated projectors.

HOW TO SET UP THE UNIT

DESCRIPTION OF CONTROLS



1. **DISPLAY:** shows the various menus and the selected functions.
2. **MENU / ESC button:** Press to enter the setup menu or jump to the higher menu level.
Note: when the menu lock function is active: press the button until the countdown bar at the bottom of the display is full.
3. **JOG WHEEL:** turn the wheel in both directions to browse the menu items. Press the wheel to select an item.
4. **MAINS FUSE:** this fuse only protects the electronics of the projector, always use the prescribed fuse! The mains in/outputs are not fused.
5. **MAINS IN / OUTPUT:** with PowerCON® TRUE1 connectors. Connect the supplied mains cable here, you can daisy chain up to max. 6 units (240Vac) or max. 2 units (100Vac). Input and output are connected to each other without any fuse.
Hint: Please check our website for special cable assemblies that contain both power (3x1.5mm² with Neutrik PowerCON® TRUE1) and balanced signal (XLR 3pin or 5pin) in one cable. Different lengths are available: 1.3m, 3m, 5m and 10m, very convenient!
6. **ETHERNET IN/OUT:** used to connect the projector to an Ethernet network, Art-Net / sACN protocol is supported.
7. **DMX IN/OUTPUTS:** used for DMX512 linking, you can use good quality balanced signal cables with 3pin or 5pin XLR-connectors.
8. **USB-connector:** you can download the firmware update files from our website and put these on a (FAT32 formatted) USB-memory. See the option **"USB Update"** in the next chapter.
Note: firmware updates can also be done using the DMX-input and (optional) FIRMWARE UPDATER 2+ (order code: B05019)
9. **OMEGA BRACKET BASE:** base with fixing points for the included omega brackets + safety cable, see previous chapter "overhead rigging"
10. **PAN / TILT LOCKS:** locks and unlocks the pan and tilt movements every 45°. To be used during transport and repair/cleaning work on the machine.
!!! IMPORTANT: must always be unlocked before operation !!!
11. **FILTER GRIDS:** On both sides of the base are metal grids with magnetic closure. These can be opened without tools to clean or replace the dust filter. To be cleaned at regular intervals.
12. **LAMP COMPARTMENT:** can be opened to change the lamp. See next chapter for more information.

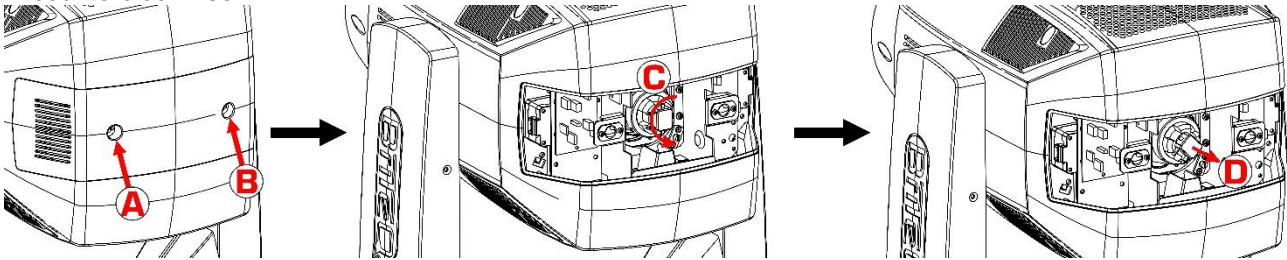
LAMP (RE)PLACEMENT



In case of lamp replacement or maintenance, do not open the fixture within 10 minutes until the unit has cooled down after being turned off. Always unplug the fixture before performing maintenance! Always use the same type of spare parts (lamps, fuses, etc.) When replacing parts, use only original spare parts.

Because of the high internal pressure, there is a risk that the discharge lamp will explode during use. The lamp emits intense UV radiation that is harmful to the eyes and skin. The high intensity of the light arc can cause serious damage to the retina if you look at the lamp up close. To protect the lamp, always turn the lamp off first (via control panel or DMX controller) and let it run for at least ten minutes to cool down before turning off the mains power. Never handle the lamp or fixture when it is hot. Wear gloves, do not touch the lamp with bare hands. If this should happen, clean the lamp with denatured alcohol and wipe it with a lint-free cloth before installing it. When ignited, the lamp operates under high pressure and there is a slight risk of arc tube rupture. The risk increases with age, temperature and improper handling of the lamp. Do not use the lamp longer than its prescribed lifetime. Make sure the lamp is in the center of the reflector for best projection.

- Switch off the unit and unplug the mains cable.
- Wait for about 10 minutes until the unit has been cooled down.
- Use a screwdriver to unscrew the screws (A+B) to open the back cover of the fixture: turn the screws 90° counterclockwise.

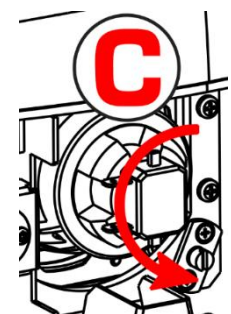


Inside you will find the OSRAM “Sirius HRI 471W SN” lamp

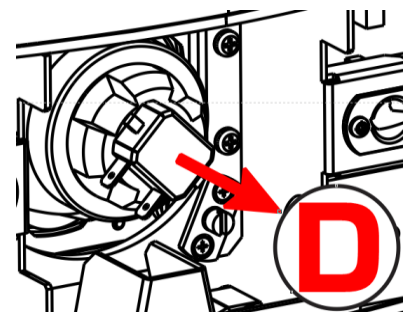
Attention: wear gloves, do not touch the bulb with bare hands. If this happens, clean the lamp with denatured alcohol and wipe it with a lint free cloth before installation. Not doing this will shorten the life of the new lamp!



- Remove the cables gently from the lamp terminals.
- No need to unscrew any more screws to remove the lamp, just grip the green lamp base and turn it GENTLY counterclockwise over 45° (C).



- Once you feel the lamp comes loose: gently pull it out of the lamp compartment (D)
- Hold the new lamp by its green base, rotate it over 45° so the 2 lamp terminals are pointing to the bottom left, and insert it in the lamp compartment.
- Rotate the lamp clockwise over 45° so the lamp terminals are now pointing to the left.
- Connect the cables to the terminal of the new lamp.

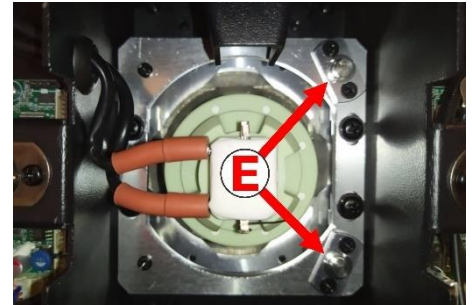


Important: ONLY use an original OSRAM “Sirius HRI 471W SN” (order code: 4052899581005), other lamps could result in less performance or even damage the unit.

- Switch the unit back on and use a DMX controller to point the open beam on a wall.

Attention: avoid looking at light coming directly from the lamp inside the unit, the UV-radiation of the lamp is harmful for your eyes. (The light of the beam passes through a UV-filter first)

- You will see a hotspot in the beam projected on the wall. Adjust this hotspot using the 2 screws (E) as shown on the picture. The hotspot should be as much as possible in the center of the beam.
- When this is done: close the cover
- Done!



GENERAL MENU OPERATION:

The 2.8" LCD color touch display contains 2 parts:

- 5 touch buttons on the left for direct access, 3 can be selected with the jog wheel:
 - **SET CONFIG:** access to most setup parameters
 - **INFORMATION:** to check the status of different functions
 - **TEST:** to access
- In addition, there are 2 extra touch keys
 - **RETURN:** same function as the MENU/ESC. button
 - **HOME:** press this icon to quit the setup menu and return immediately to the standard display.
- 5 text lines on the right where the different functions are listed.



- Press the MENU/ESC button to enter the setup menu.

Note: when the menu lock function is active: press the button until the countdown bar at the bottom of the display is full.
- Turn the jog wheel to browse the 3 main menus (or press the icons): / /
- Press the jog wheel to select the desired menu.
- Turn the jog wheel to browse the sub menus & items.
- Turn and press the jog wheel to select the desired menu item.
- Turn the jog wheel to change the parameters.
- Press the jog wheel to confirm the new parameters.
- Press the MENU/ESC button jump to a higher menu level.

SET CONFIG menu

ADDRESS Set

Submenu with DMX related functions.

DMX-Address

Used to set the DMX-starting address.

- Turn and press the jog wheel to select the desired menu item.
- Turn the jog wheel to change the parameters or press the touch buttons on the screen to enter the address.
- Press the jog wheel to confirm.






IP-Address

Used to set the Ethernet IP-address.

- Turn and press the jog wheel to select the desired menu item.
- Turn the jog wheel to change the parameters or press the touch buttons on the screen to enter the address.
- Press the jog wheel to confirm.



SIDE ICONS	LEVEL 1	LEVEL 2	
	ADDRESS Set	DMX-Address	001 - XXX
		IP Address	XXX.XXX.XXX.XXX
		IP NetMask	255.000.000.000
			255.255.000.000
			255.255.255.000
	DMX-Universe	000 - 255	
		IP Protocol	Art-Net / sACN
	CHANNEL Mode	Standard (24 CH)	
		Extended (35 CH)	
	Wireless DMX	W-DMX	On / Off
		Operating Mode	Rx / Tx
		Transmitting Mode	G3 / G4S
		Tx: Receivers	Link / Unlink
		Rx: Unlink Sender	Yes / No
	FIXTURE Settings	No DMX	Blackout / Freeze
		PAN Invert	On / Off
		TILT Invert	On / Off
		PAN Range	540 / 630
		Standby	OFF , 05M~99M
		Feedback	On / Off
		Lamp ON/OFF	On / Off
		Temp. C/F	Celsius / Fahrenheit
		Power Mode	Full Mode / Eco Mode
		FANS	Auto / Full
		LCD Backlight	always on / 01 ~60m
		LCD Rotate	Auto / 180°
		LCD Lock	On / Off
LCD error warning	On / Off		
DEFAULTS	FACTORY Load?	Yes / No	
	USER Load ?	Yes / No	
	USER Save?	Yes / No	
	TIME info	Total Time	
		Last Job Time	
		Lamp Time	
	TEMP info	Base Temp.	
		Head Temp.	
	FAN speed	Base Fan: xxxx RPM	
		Head Fan 1: xxxx RPM	
		Head Fan 2: xxxx RPM	
	Error. Info	Pan,Tilt.....	
	Model. Info	BTX-SUPREME	
	Software.V	1U V x.x.x	
		2U V x.x.x	
		3U V x.x.x	
USB Update	Confirm yes/no		
	RESET Motors	All functions	
		Pan & Tilt	
		Color wheel	
		CMY	
		GOBO + animation	
		Dimmer + strobe	
	Prism + focus + frost		
	TEST functions	PAN	
	MANUAL control	PAN =XXX	
		Etc ...	
CALIBRATE	-Password-		
	PAN		
		Etc ...	

Note: options written in red color are the default values.

IP NetMask

Used to set the Net Mask of the projector while controlled using the Ethernet ports.

Based on the IP-address the correct netmask is already set, you can still change it if really needed:

- Turn and press the jog wheel to select the desired menu item.
- Turn the jog wheel to change the parameters:
 - 255.000.000.000
 - 255.255.000.000
 - 255.255.255.000
- Press the jog wheel to confirm.

DMX Universe

Used to set which DMX-universe should be used while controlled via the Ethernet ports.

- Turn and press the jog wheel to select the desired menu item.
- Turn the jog wheel to change the parameters: 000 → 255.
- Press the jog wheel to confirm.

IP Protocol

Used to select which Ethernet protocol you want to use for communication.

- Turn and press the jog wheel to select the desired menu item.
- Turn the jog wheel to change the parameters:
 - Art-Net™
 - sACN
- Press the jog wheel to confirm.

CHANNEL Mode

Used to set the desired channel setup mode.

- Turn and press the jog wheel to select the desired menu item.
- Turn the jog wheel to select the desired option:
 - Standard (24CH)
 - Extended (35CH)
- Press the jog wheel to confirm.

Wireless DMX

Menu with functions related to the internal wireless DMX.

W-DMX

Used to switch the wireless DMX module on/off

- Turn and press the jog wheel to select the desired menu item.
- Turn the jog wheel to select the desired option: ON / OFF
- Press the jog wheel to confirm.

Operating mode

Used to switch the wireless DMX module in receiver or transmitter mode

- Turn and press the jog wheel to select the desired menu item.
- Turn the jog wheel to select the desired option:
 - **Rx (Receiver Mode):** The projector works on W-DMX signal and sends it also to the DMX XLR-output.
 - **Tx (Transmitter Mode):** The projector sends the wired DMX-signal to other wireless units.
- Press the jog wheel to confirm.

Transmitting Mode

Used to switch the transmitted W-DMX signal between G3 and G4S

- Turn and press the jog wheel to select the desired menu item.
- Turn the jog wheel to select the desired option: G3 / G4S
- Press the jog wheel to confirm.

Note: Check the "Wireless Solution" website to learn more about G3 / G4S.

Tx: Receivers Link/UNLink

Used to Link / UNLink the connected W-DMX receivers

- Turn and press the jog wheel to select the desired menu item.
- Turn the jog wheel to select the desired option:

- **Link:** Link the W-DMX receivers that are ready to pair.
- **UNLink:** Break the existing link with all connected W-DMX receivers so they can be paired again.
- Press the jog wheel to confirm.

Rx: UNLink Sender

Used to break the current connection with a W-DMX transmitter

- Turn and press the jog wheel to select the desired menu item.
- Turn the jog wheel to select the desired option:
 - **No:** Nothing happens, the existing link remains.
 - **Yes:** The existing link with a transmitter is broken so the projector can be paired again.
- Press the jog wheel to confirm.

Fixture Settings

Menu with functions related to the overall settings of the fixtures.

No DMX

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

- Turn and press the jog wheel to select the desired menu item.
- Turn the jog wheel to select the desired option:
 - **Blackout:** output turns black while no DMX is detected.
 - **Freeze:** output based on the last valid DMX-signal is kept on the projector.
- Press the jog wheel to confirm.

PAN Invert

PAN movement can be inverted.

- Turn and press the jog wheel to select the desired menu item.
- Turn the jog wheel to select the desired option.
 - **On:** PAN movements are inverted
 - **Off:** PAN movements are NOT inverted
- Press the jog wheel to confirm.

TILT Invert

TILT movement can be inverted.

- Turn and press the jog wheel to select the desired menu item.
- Turn the jog wheel to select the desired option.
 - **On:** TILT movements are inverted
 - **Off:** TILT movements are NOT inverted
- Press the jog wheel to confirm.

PAN Range

Used to select the desired PAN range.

- Turn and press the jog wheel to select the desired menu item.
- Turn the jog wheel to select the desired range:
 - **540** (standard)
 - **630** (extended)
- Press the jog wheel to confirm.

STANDBY

To save energy the projector goes in sleep mode after a certain time when no DMX is detected.

- Turn and press the jog wheel to select the desired menu item.
- Turn the jog wheel to select the desired option:
 - **OFF** Standby function not used
 - **0xxM** The time (from 005 to 099 minutes) before the standby function is activated.
- Press the jog wheel to confirm.

FEEDBACK

This function corrects the PAN/TILT positions automatically if someone bumps into the machine.

- Turn and press the jog wheel to select the desired menu item.
- Turn the jog wheel to select the desired option: ON/OFF
- Press the jog wheel to confirm.

LAMP ON/OFF

Used to manually switch the discharge lamp on/off

- Turn and press the jog wheel to select the desired menu item.
- Turn the jog wheel to select the desired option: ON/OFF
- Press the jog wheel to confirm.

Note: the lamp can also be switched on/off using the DMX control channel

Temp C/F

Used to select if the Temperature is shown in degrees Celcius (°C) or Fahrenheit (F).

- Turn and press the jog wheel to select the desired menu item.
- Turn the jog wheel to select the desired option: Celcius / Fahrenheit
- Press the jog wheel to confirm.

Power Mode

Used to change the lamp power.

- Turn and press the jog wheel to select the desired menu item.
- Turn the jog wheel to select the desired range:
 - **FULL Mode:** The lamp works at full power (470Watt) for max light output
 - **ECO Mode:** The lamp works at reduced power (380Watt) for max lamp life (+/- 2000 hours)
- Press the jog wheel to confirm.

FANS

On some occasions fan noise should be reduced to a minimum. Therefore, you set 2 fan speed modes.

- Turn and press the jog wheel to select the desired menu item.
- Turn the jog wheel to select the desired option:
 - **Auto:** the fan speed will be automatically adjusted to always have the best balance between fan noise and performance (light output).
 - **High:** the lamp will be well cooled so maximum light output can be guaranteed under all conditions. However, this means that fan noise will be higher than usual. While used in discotheques and in hot summertime conditions this should not be a problem.
- Press the jog wheel to confirm.

LCD Backlight

Determines how long the LCD is lit.

- Turn and press the jog wheel to select the desired menu item.
- Turn the jog wheel to select the desired option:
 - **Always On:** the LCD-backlight is always lit.
 - **01~59m:** the backlight turns dark after 01 to 59 minutes. (default = 1 minute)
- Press the jog wheel to confirm.

LCD Rotate

Used to flip the display 180° when the fixture is mounted upside-down

- Turn and press the jog wheel to select the desired menu item.
- Turn the jog wheel to select the desired option:
 - **Auto:** the display position adapts automatically to the position of the projector
 - **180°:** you can flip the display manually if you like.
- Press the jog wheel to confirm.

LCD Lock

Used to lock the setup menu against unwanted altering of the settings.

- Turn and press the jog wheel to select the desired menu item.
- Turn the jog wheel to select the desired option:
 - **Off:** the setup menu is immediately available when you press the MENU/ESC. button
 - **On:** to access the setup menu you have to press the MENU/ESC. button until the countdown bar is full.
- Press the jog wheel to confirm.

LCD Error warning

Used to select if the display must show error messages or not.

- Turn and press the jog wheel to select the desired menu item.
- Turn the jog wheel to select the desired option: ON/OFF
- Press the jog wheel to confirm.

Defaults

Menu with functions related to the default settings.

FACTORY Load?

Most common settings while controlled by DMX lighting controller.

- Turn and press the jog wheel to select the desired menu item.
- Turn the jog wheel to select the desired option:
 - **NO** nothing happens
 - **YES** the Factory settings are loaded.
- Press the jog wheel to confirm.

USER Load / Save?

Makes it possible to save / load your own preferred default settings.

- Turn and press the jog wheel to select the desired menu item.
- Turn the jog wheel to select the desired option:
 - **USER Load?** All previously saved personal parameters are loaded.
 - **USER Save?** All current parameters from the default settings table are saved to memory.
- Press the jog wheel to confirm.

INFORMATION menu**TIME info**

Shows TIME-related information

- Turn and press the jog wheel to select the desired menu item.
- Turn the jog wheel to select the desired option:
 - **TOTAL Time:** the total time the projector was used. (no reset possible)
 - **LAST JOB Time:** used to check how long the projector was used on the last job. (reset possible)
 - **LAMP Time:** used to check the hours the lamp already served (reset when replacing the lamp)

TEMP info

Shows temperature-related information

- Turn and press the jog wheel to select the desired menu item.
- Turn the jog wheel to select the desired option: BASE / HEAD temperature

FAN speed

Shows speed of the different fans

- Turn and press the jog wheel to select the desired menu item.
- Turn the jog wheel to select the desired option: Speed of the different FANs is listed.

Error Info

Shows Error information

- Turn and press the jog wheel to select the desired menu item.
- Turn the jog wheel to select the desired option: If any errors occur, they will be listed here.

Software V.

Information on the software versions

- Turn and press the jog wheel to select the desired menu item.
- Turn the jog wheel to select the desired option: different software versions of the 8 processors are listed.

USB Update

The USB-connector is used to update the firmware of the projector.

- Format a USB memory stick in FAT32
- Create a subdirectory named SUPREME in the root
- Put 1 or more update files (.CKF format) in the SUPREME folder

Update at startup:

- A. Switch the projector OFF
- B. Insert the USB-stick in the USB-connector on the front.
- C. Switch the projector ON
- D. The display shows the contents of the memory stick (only the first 8 characters are shown)
- E. Turn the jog wheel to select the SUPREME directory and press to confirm
- F. The display shows OFF
- G. Turn the jog wheel to select ON and press to confirm

→ The projector will be updated with all files in the directory, followed by a complete reset of the unit.

Update without switching the projector off:

- A. Insert the USB-stick in the USB-connector on the front.
- B. Turn and press the jog wheel to select USB Update in the INFORMATION menu.
- C. Select YES and press the jog wheel to confirm.
- D. Continue with step "D" of the above "Update at startup" instructions.

TEST menu

Menu with all kinds of test, manual control, reset and calibration functions.

RESET Motors

Used to force a full or partial reset of the unit.

- Turn and press the jog wheel to select the desired menu item.
- Turn the jog wheel to select the desired option.
- Press the jog wheel to confirm.

Note: you can do a full reset (Reset ALL) or only reset certain parts of the unit. Resets can also be done using the DMX control channel.

TEST Functions

Used to easily test all functions individually.

- Turn and press the jog wheel to select the desired menu item.
- Turn the jog wheel to select the desired option.
- Press the jog wheel to confirm.

MANUAL Control

Used to control the projector manually, without the need of an external DMX-controller.

- Turn and press the jog wheel to select the desired menu item.
- Turn the jog wheel to select the desired option.
- Press the jog wheel to confirm.
- Set the desired parameter: 000 to 255
- Press the jog wheel to confirm.
- Repeat these actions until you get the desired result.

CALIBRATE

Used to calibrate all functions of the projector.

- Turn and press the jog wheel to select the desired menu item.
- Turn the jog wheel to select the desired option.
- Press the jog wheel to confirm.
- Set the desired parameter: 000 to 255
- Press the jog wheel to confirm.
- Repeat these actions until all calibrations are done.

Attention: to prevent unwanted altering of the calibrations, this menu is password protected. Without setting the right password (PW= 050) access to all settings is denied.

→ Don't forget to set the password back to 000 when the calibrations are done! ←

ELECTRICAL INSTALLATION

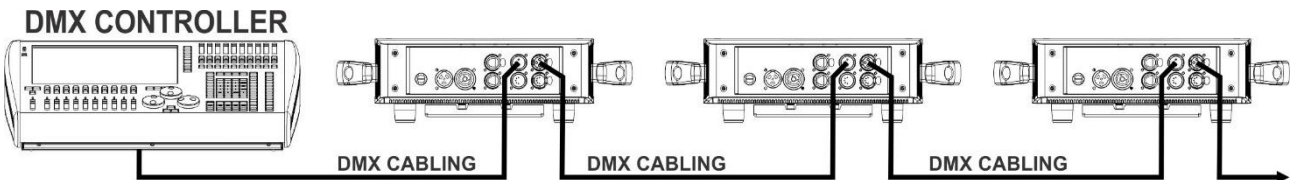
⚠ Important: The electrical installation should be carried out by qualified personal only, according to the regulations for electrical and mechanical safety in your country.

Mains power is the same for all units but there are different possibilities to connect the data cabling:

ELECTRICAL INSTALLATION FOR TWO OR MORE UNITS IN WIRED DMX-MODE:

Use this function when you want to control the projectors by any DMX controller.

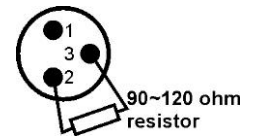
- Connect the projectors as shown in the drawing below.



- First put the projectors in the desired DMX-mode: see the different DMX-charts and choose the one that suits you best.
- Give all projectors a start address: each projector shows its start + end address, make sure that the addresses do not overlap!

Some general information on DMX:

- 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 balanced cable of good quality.
- 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 (+)
- Pin layout XLR-5pin: Pin1 = GND ~ Pin2 = Negative signal (-) ~ Pin3 = Positive signal (+) ~ Pins4+5 not used.
- 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.

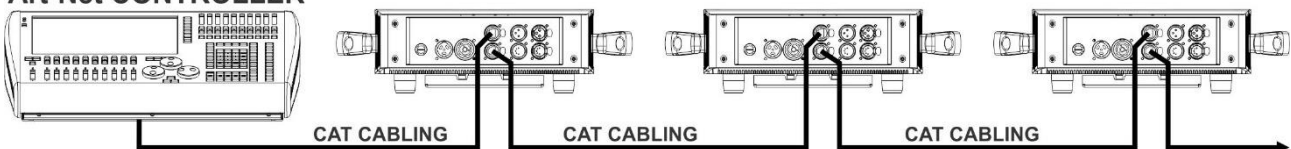


ELECTRICAL INSTALLATION VIA WIRED ETHERNET IN/OUT:

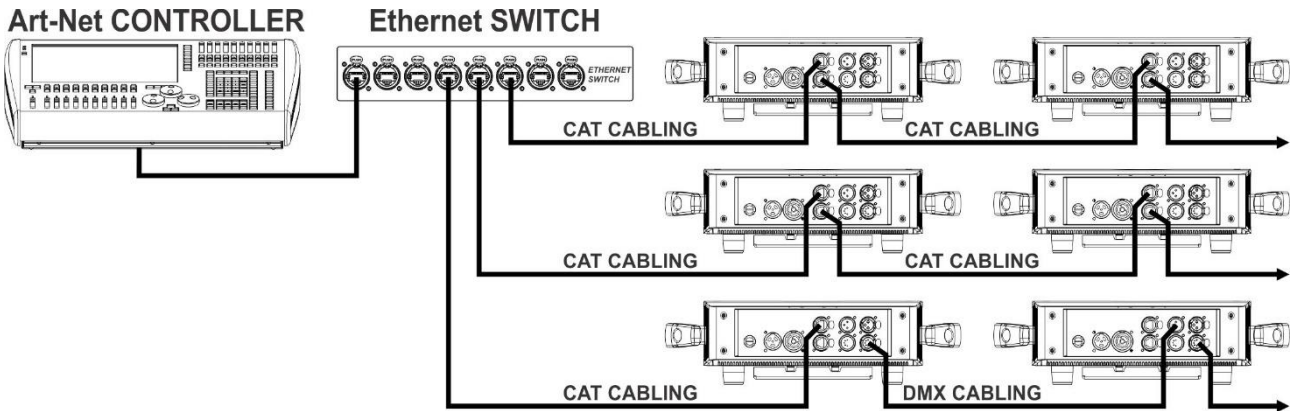
Art-Net is nothing more than a protocol for transmitting DMX512 over an Ethernet network, developed by Artistic Licence Engineering (UK) Ltd. Thanks to the much bigger bandwidth it is possible to send more than 256 DMX-universes in one time.

This projector can be connected in such Ethernet network using routers, switches etc. The network topology is exactly the same as for a normal PC-network. However, IP-addresses cannot be obtained via DHCP: see the explanations in the chapter “setup menu” on how to manually setup the IP-address, Net Mask and choose the desired DMX-universe. Also the sACN protocol is supported.

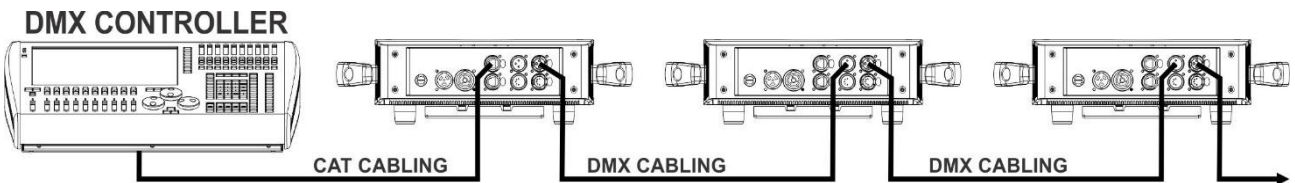
Art-Net CONTROLLER



IMPORTANT NOTE: this projector has both Ethernet input and output so you can daisy chain several units. However the number of units in one chain should be limited to ±10 units to avoid unwanted signal delays. In bigger installations you should use the “STAR-topology” using Ethernet switches (or a combination of both).



- Internally the selected DMX-universe is treated as a normal DMX-signal so further setup of the DMX-address, channel mode etc. should be done as usual.
- Thanks to the internal Art-Net node all 512 channels of the selected DMX-universe are automatically converted from Art-Net to the DMX-output: they can be used to control other DMX-equipment:

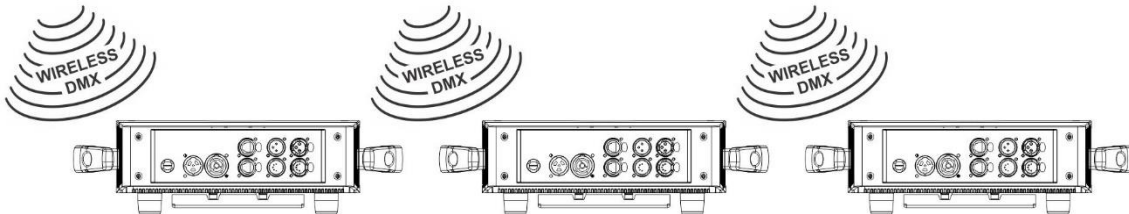


ELECTRICAL INSTALLATION USING WIRELESS DMX:

Here we also have different options.

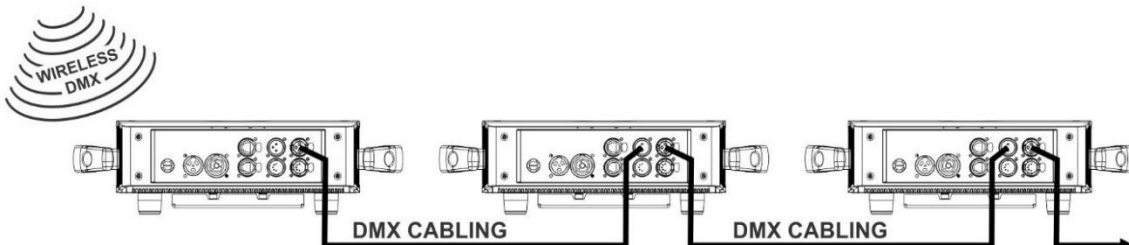
OPTION 1: completely wireless

See the previous chapter to learn how to setup the wireless DMX functions. In this case the W-DMX transmitter send the wireless DMX signal to all the projectors.



OPTION 2: combined wireless + wired DMX

See the previous chapter to learn how to set up the wireless DMX functions. In this case, a W-DMX transmitter sends the wireless DMX signal to the first device. This device is the first in a wired DMX chain and acts as a wireless DMX receiver to transfer the entire DMX universe to the other DMX units.



DMX CHARTS

Two different DMX channels modes are available: **ST.** (Standard) + **EX.** (Extended)

ST	EX.	Function	Values		REMARKS	
1	1	Pan	000 - 255	Pan Movement(540/630)		
2	2	Pan fine	000 - 255	Pan Fine		
3	3	Tilt	000 - 255	Tilt Movement(270)		
4	4	Tilt fine	000 - 255	Tilt Fine		
	5	Pan/Tilt Speed	000 - 255	Pan/Tilt Fast -> Slow		
5	6	Dimmer	000 - 255	Intensity 0 to 100%		
	7	Dimmer Fine	000 - 255	Dimmer Intensity Fine		
6	8	Strobe functions	Shutter / Strobe:			
			000 - 005	shutter closed		
			006 - 010	shutter open		
			011 - 087	Slow to fast strobe		
			088 - 090	shutter open		
			091 - 167	Slow to fast random strobe		
			168 - 170	shutter open		
			171 - 247	Slow to fast pulse effect		
	248 - 255	shutter open				
7	9	Cyan	0 - 255	0% to 100%		
	10	Cyan Fine	0 - 255	0% to 100%		
8	11	Magenta	0 - 255	0% to 100%		
	12	Magenta Fine	0 - 255	0% to 100%		
9	13	Yellow	0 - 255	0% to 100%		
	14	Yellow Fine	0 - 255	0% to 100%		
10	15	Colour Wheel 1	Color Wheel:			
			000 - 005	White	<i>PROPORTIONAL</i> positioning of the colors. <i>Channel "Colour Wheel Fine" used to tune the positions.</i>	
			009	Deep Red		
			018	Deep Blue		
			027	Yellow		
			036	Magenta		
			045	Green		
			054	Lavender		
			063	Cyan		
			072	Amber		
			081	Mint		
			090	Pink		
			099	Orange		
			108	CTO 3200K		
			117	Congo Blue		
			118 - 120	White		<i>FULL colors shown</i>
			121 - 124	Deep Red		
			125 - 128	Deep Blue		
			129 - 132	Yellow		
			133 - 136	Magenta		
			137 - 140	Green		
			141 - 144	Lavender		
			145 - 148	Cyan		
			149 - 152	Amber		
			153 - 156	Mint		
			157 - 160	Pink		
			161 - 164	Orange		
165 - 168	CTO 3200K					
169 - 172	Congo Blue					
173 - 176	White					
177 - 215	Color Wheel rot. FAST → SLOW, CW					
216 - 216	Color Wheel rot. Stop					
217 - 255	Color Wheel rot. SLOW → FAST, CCW					

	16	Colour Wheel Fine	000 - 255	fine positioning for proportional colors	<i>Works only for color wheel set to values 000→117</i>
11	17	GoboWheel 1 (fixed)	GoboWheel 1 : FIXED GOBOS		Standard GOBOS: see further
			000 - 005	Open	
			006 - 011	Gobo 1	
			012 - 017	Gobo 2	
			018 - 023	Gobo 3	
			024 - 029	Gobo 4	
			030 - 035	Gobo 5	
			036 - 041	Gobo 6	
			042 - 047	Gobo 7	
			048 - 053	Gobo 8	
			054 - 059	Gobo 9	
			060 - 065	Gobo 10	
			066 - 071	Gobo 11	
			072 - 077	Gobo 12	
			078 - 083	Gobo 13	
			084 - 095	Open	
			096 - 101	Gobo 1 shake (slow-fast)	
			102 - 107	Gobo 2 shake (slow-fast)	
			108 - 113	Gobo 3 shake (slow-fast)	
			114 - 119	Gobo 4 shake (slow-fast)	
			120 - 125	Gobo 5 shake (slow-fast)	
			126 - 131	Gobo 6 shake (slow-fast)	
			132 - 137	Gobo 7 shake (slow-fast)	
			138 - 143	Gobo 8 shake (slow-fast)	
			144 - 149	Gobo 9 shake (slow-fast)	
150 - 155	Gobo 10 shake (slow-fast)				
156 - 161	Gobo 11 shake (slow-fast)				
162 - 167	Gobo 12 shake (slow-fast)				
168 - 173	Gobo 13 shake (slow-fast)				
174 - 192	Open				
193 - 223	Gobo Wheel rot. FAST → SLOW CW				
224 - 224	Gobo Wheel rot. Stop				
225 - 255	Gobo Wheel rot. SLOW → FAST CCW				
12	18	GoboWheel 2 (rotating)	GoboWheel 2 : ROTATING GOBOS		Standard GOBOS: see further
			000 - 002	Beam Mode	
			003 - 004	Spot Mode	
			005 - 006	Gobo 1 - Index	
			007 - 008	Gobo 2 - Index	
			009 - 010	Gobo 3 - Index	
			011 - 012	Gobo 4 - Index	
			013 - 014	Gobo 5 - Index	
			015 - 016	Gobo 6 - Index	
			017 - 018	Gobo 7 - Index	
			019 - 020	Gobo 8 - Index	
			021 - 022	Gobo 9 - Index	
			023 - 024	Open - no gobo	
			025 - 026	Gobo 1 - Rotation	
			027 - 028	Gobo 2 - Rotation	
			029 - 030	Gobo 3 - Rotation	
			031 - 032	Gobo 4 - Rotation	
			033 - 034	Gobo 5 - Rotation	
			035 - 036	Gobo 6 - Rotation	
			037 - 038	Gobo 7 - Rotation	
			039 - 040	Gobo 8 - Rotation	
			041 - 042	Gobo 9 - Rotation	
			043 - 044	Open - no gobo	
			045 - 052	Gobo 1 shake (slow-fast) - Index	
			053 - 060	Gobo 2 shake (slow-fast) - Index	
061 - 068	Gobo 3 shake (slow-fast) - Index				
069 - 076	Gobo 4 shake (slow-fast) - Index				

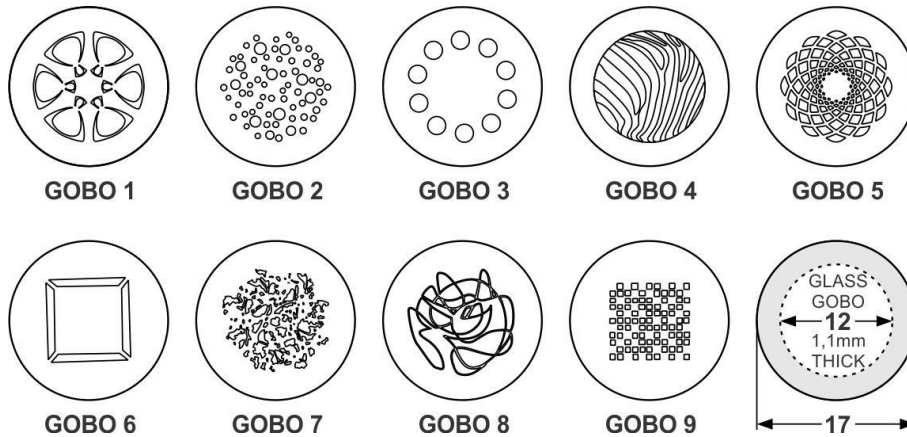
			077 - 084	Gobo 5 shake (slow-fast) - Index	
			085 - 092	Gobo 6 shake (slow-fast) - Index	
			093 - 100	Gobo 7 shake (slow-fast) - Index	
			101 - 108	Gobo 8 shake (slow-fast) - Index	
			109 - 116	Gobo 9 shake (slow-fast) - Index	
			117 - 119	Open - no gobo	
			120 - 127	Gobo 1 shake (slow-fast) - Rotation	
			128 - 135	Gobo 2 shake (slow-fast) - Rotation	
			136 - 143	Gobo 3 shake (slow-fast) - Rotation	
			144 - 151	Gobo 4 shake (slow-fast) - Rotation	
			152 - 159	Gobo 5 shake (slow-fast) - Rotation	
			160 - 167	Gobo 6 shake (slow-fast) - Rotation	
			168 - 175	Gobo 7 shake (slow-fast) - Rotation	
			176 - 183	Gobo 8 shake (slow-fast) - Rotation	
			184 - 191	Gobo 9 shake (slow-fast) - Rotation	
			192 - 194	Open - no gobo	
			195 - 224	Gobo Wheel rot. FAST → SLOW, CW	
			225 - 225	Gobo Wheel rot. Stop	
			226 - 255	Gobo Wheel rot. SLOW → FAST, CCW	
13	19	Gobo 2 Rotation / Index	000 - 255	Gobo2 Index position	<i>used while GoboWheel2 is set to: 005→022 & 045→116</i>
			000 - 002	Gobo2 Rot. Off	
			003 - 128	Gobo2 Rotation, FAST → SLOW, CW	<i>used while GoboWheel2 is set to: 025→042 & 120→191</i>
			129 - 129	Gobo2 Rotation Stop	
			130 - 255	Gobo2 Rotation, SLOW → FAST, CCW	
14	20	Gobo 2 Rotation / Index fine	0 - 255	Gobo2 Rotation / Index fine	
15	21	Animation	Animation:		
			000 - 002	Wheel Rot. Off	
			003 - 128	Wheel Position 0 → 540°	
			129 - 191	Wheel rot. FAST → SLOW, CW	
			192 - 192	Wheel rot. Stop	
			193 - 255	Wheel rot. SLOW → FAST, CCW	
	22	Animation Fine	000 - 255	0% to 100%	
16	23	PrismWheel1	PrismWheel1:		
			000 - 007	no Prism	
			008 - 038	Prism A: rotating cylindrical prism	
			039 - 069	Prism B: rotating 6-facet circular prism	
			070 - 100	Prism C: rotating 4-facet linear prism	
			101 - 131	Prism D: rotating 4-facet circular prism	
			132 - 162	Prism A: indexed cylindrical prism	
			163 - 193	Prism B: indexed 6-facet circular prism	
			194 - 224	Prism C: indexed 4-facet linear prism	
			225 - 255	Prism D: indexed 4-facet circular prism	
17	24	Prism1 rotation/index	Prism1 rotation / indexing:		
			000 - 127	Prism Rotation, FAST → SLOW, CW	<i>used while Prism wheel1 is set to values 008 → 131</i>
			128 - 128	Prism Rotation Stop	
			129 - 255	Prism Rotation, SLOW → FAST, CCW	
			000 - 255	Prism Position 0 ... 540°	<i>used while Prism wheel1 is set to values 132 → 255</i>
	25	Prism1 rotation/index fine	000 - 255	0% to 100%	
18	26	PrismWheel2	PrismWheel2:		
			000 - 007	no Prism	
			008 - 038	Prism E: rotating 6-facet linear prism	
			039 - 069	Prism F: rotating 8-facet circular prism	
			070 - 100	Prism G: rotating 16-facet circular prism	
			101 - 131	Prism H: rotating 32-facet circular prism	
			132 - 162	Prism E: indexed 6-facet linear prism	
			163 - 193	Prism F: indexed 8-facet circular prism	
			194 - 224	Prism G: indexed 16-facet circular prism	
			225 - 255	Prism H: indexed 32-facet circular prism	

19	27	Prism2 rotation/index	Prism2 rotation / indexing:		used while Prism wheel1 is set to values 008 → 131
			000 - 127	Prism Rotation, FAST → SLOW, CW	
			128 - 128	Prism Rotation Stop	
			129 - 255	Prism Rotation, SLOW → FAST, CCW	
			000 - 255	Prism Position 0 ... 540°	used while Prism wheel1 is set to values 132 → 255
	28	Prism2 rotation/index fine	000 - 255	0% to 100%	
20	29	Zoom	000 - 255	narrow to wide	
	30	Zoom fine	000 - 255	narrow to wide	
21	31	Focus	000 - 255	0% to 100%	
	32	Focus fine	000 - 255	0% to 100%	
22	33	Frost 1	000 - 255	0% to 100%	
23	34	Frost 2	000 - 255	0% to 100%	
24	35	Control channel	Device settings:		DMX settings override the settings in the setup menu !
			000 - 105	No function	
			106 - 110	Blackout while Moving on	Hold 3s
			111 - 115	Blackout while Moving off	Hold 5s
			116 - 120	Display On	Hold 3s + strobe channel closed, value set to 000-005
			121 - 125	Display Off	Hold 3s + strobe channel closed, value set to 000-005
			126 - 130	Fan Mode = auto	Hold 3s
			131 - 135	Fan Mode = full	Hold 3s
			136 - 140	Standard CRI	Hold 3s + strobe channel closed, value set to 000-005
			141 - 145	High CRI	Hold 3s + strobe channel closed, value set to 000-005
			146 - 150	Lamp On	Hold 3s
			151 - 155	Lamp Off	Hold 5s
			156 - 160	FULL: lamp @ 470W	Hold 3s + strobe channel closed, value set to 000-005
			161 - 165	ECO: lamp @360W	Hold 3s + strobe channel closed, value set to 000-005
			166 - 170	Reset Pan/Tilt	Hold 3s
			171 - 175	Reset Color wheel	Hold 3s
			176 - 180	Reset CMY	Hold 3s
			181 - 185	Reset Gobo + Animation wheels	Hold 3s
			186 - 190	Reset Dimmer + Shutter	Hold 3s
			191 - 195	Reset Prisms + Focus + Frost	Hold 3s
196 - 200	Reset All Functions	Hold 3s			
			201 - 255	No function	

Note (*): by default function delay (is set to 3seconds: the selected function will only be active while the corresponding DMX-value is received during at least 3seconds.

REPLACING ROTATING GOBOS

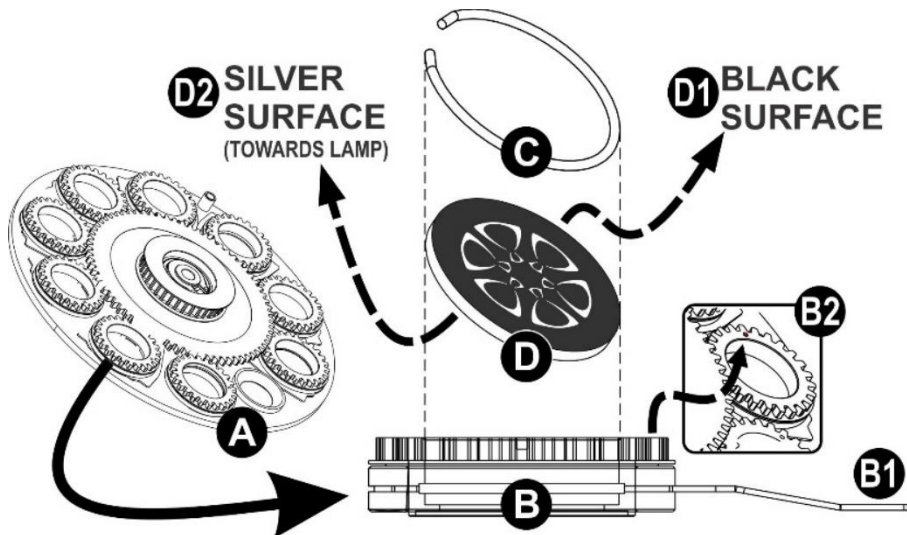
The projector comes with 13 fixed (non-replaceable) and 9 standard rotating gobos:



All rotating gobos can be replaced by your own custom gobos, please read the instructions for details:

IMPORTANT: Due to the very intense heat of the lamp, it is important to use only gobos made of heat-resistant glass. The gobos are always coated with a shiny and black side. The gobos have a diameter of 17mm with a maximum diameter of 12mm for the image. The required glass thickness is 1.1mm.
 → **Never touch the gobos with bare fingers: always use suitable (cotton) gloves!** ←

- Unplug the projector and wait for the unit to cool.
- Remove the plastic cover from the head by loosening the 4 quarter-turn screws.
- Turn the **rotating gobo wheel (A)** to a position where you have the best access to the gobo you want to replace.
- Each gobo is mounted in a **gobo holder (B)**: grab the gobo holder by the gearwheel and carefully lift it slightly so that it detaches from the gobo wheel.
- Now gently pull the gobo holder towards you until it is completely free.



- Carefully remove both the **spring lock (C)** and the **glass gobo (D)**.
- Insert the new glass gobo in the holder:
 - The **BLACK surface (D1)** should be on the side of the gearwheel.
 - The **SILVER/SHINY side (D2)** is on the bottom, pointing toward the lamp.
- **ATTENTION:** always wear a cotton glove for manipulating the gobos!
- On the gearwheel you will notice a **small hole (B2)**: this small hole indicates the orientation of the top of the gobo.
- Rotate the gobo in the holder so that the top of the gobo points to this **little hole (B2)**.



- Now gently push the spring lock into place to secure the gobo in the holder.
- Gently push the gobo mount back into the gobo wheel, with the **end (B1)** pointing toward the center of the gobo wheel.
- Make sure the **small hole (B2)** in the gear wheel points toward the edge of the gobo wheel before snapping the gobo mount in place.
- Put the plastic cover back on the head and fasten the 4 quarter-turn screws.
- Plug the projector to the mains and wait until it is ready for use.
- In the setup menu, select the option CALIBRATE in the directory TEST
- Set the proper password (050) and go to the option Gobo Index 1 9
- Select the new gobo and point the beam to a wall: now you can calibrate the Gobo: 000 → 255.
- Done!

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

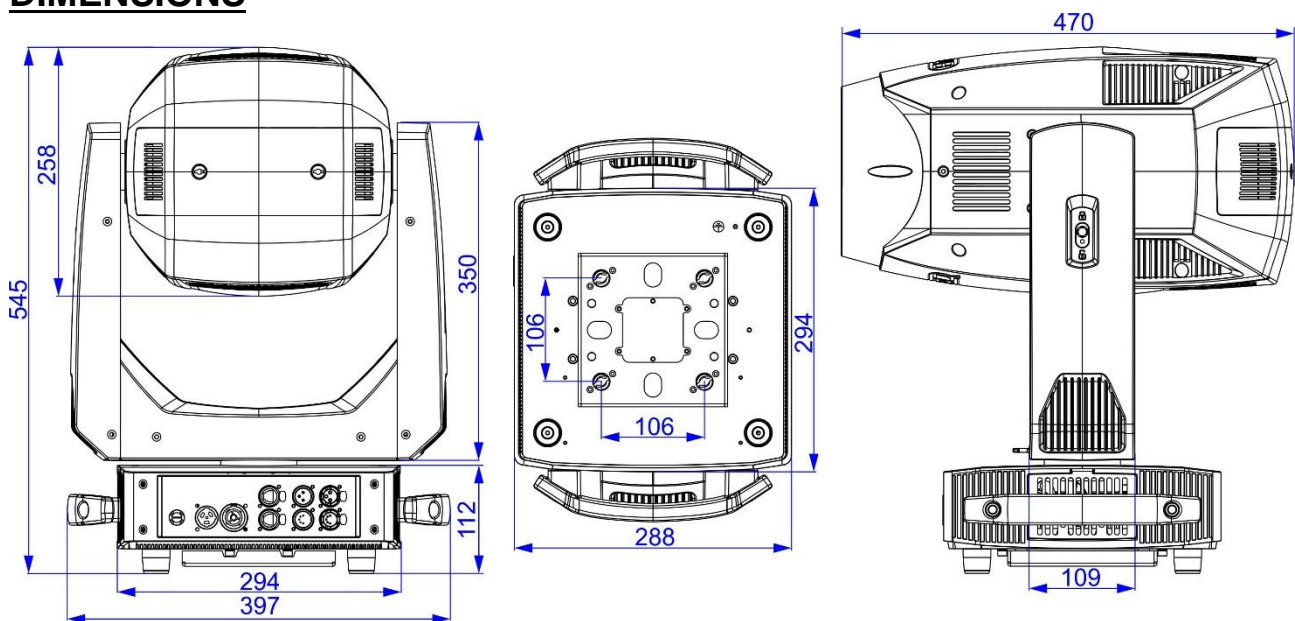
This unit is radio-interference suppressed. This product meets the requirements of the current European and national guidelines. Conformity has been established and the relevant statements and documents have been deposited by the manufacturer.

Mains Input:	AC 100 - 240V, 50/60Hz
Power consumption:	800 Watt (max)
Fuse:	T8A / 250V slow blow (20mm glass)
Power connections:	PowerCon TRUE1 - 12A Power linking capacity (3units @ 230V).
DMX connections:	Neutrik 3pin & 5pin-XLR male / female
Wireless DMX:	W-DMX Sweden G3/G4S receiver / transmitter with internal antenna.
Ethernet connections:	RJ45 in/out
DMX channels used:	24 or 35
Data protocols:	DMX512/RDM, Art-Net™, sACN
Lamp:	OSRAM SIRIUS HRI 471W SN
Color temperature:	7500K
Beam Angle (BEAM mode):	1.8° - 22°
Beam Angle (SPOT mode):	3° - 42°
Color wheel:	13 colors, CCT 3200K + open
GOBO wheel 1:	13 static gobos + open
GOBO wheel 2:	9 rotating gobos, replaceable by heat resistant glass gobos outer diameter 17mm – Image diameter: 12 mm – Thickness: 1,1mm
Special effects:	2 prism wheels, each with 4 rotating prisms Linear light frost filter Linear heavy frost filter Hi CRI filter
IP-Rating:	IP20
Operating temperature (T_a):	0°C to 45°C
FAN noise:	45dB @ 1m
Size:	see drawing
Weight:	26,5 kg

Every information is subject to change without prior notice

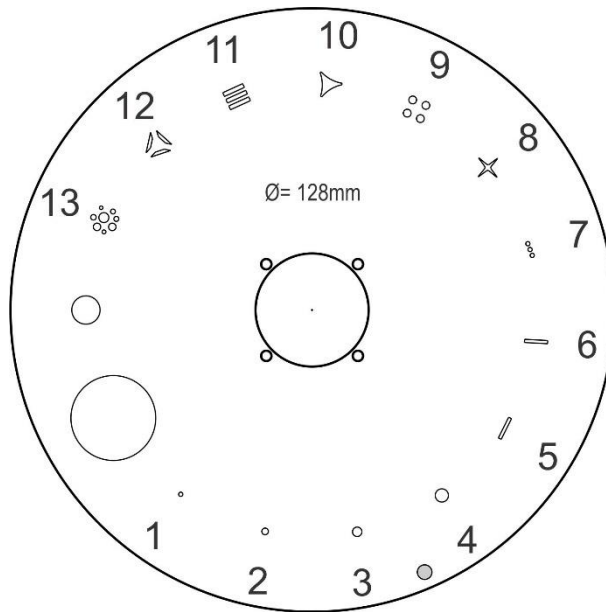
You can download the latest version of this user manual on our website: www.briteq-lighting.com

DIMENSIONS



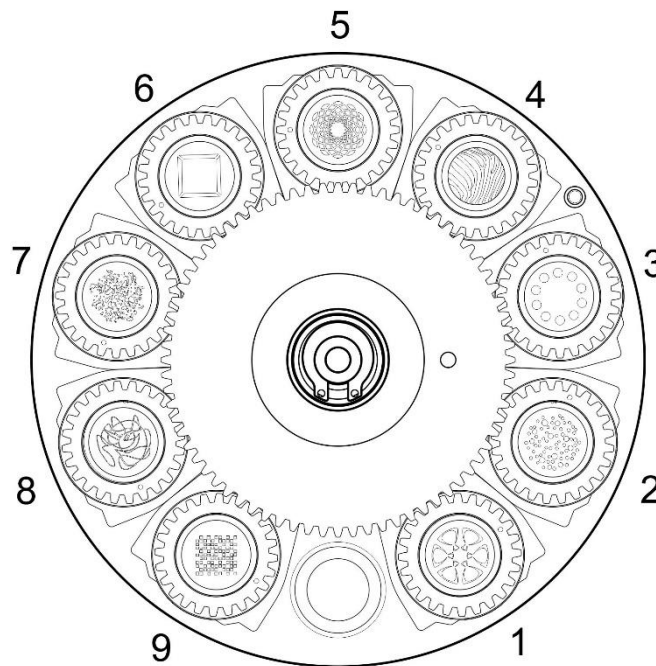
FIXED GOBO WHEEL (GOBO 1)

- Non-replaceable gobos



ROTATING GOBO WHEEL (GOBO 2)

- GOBO EXTERNAL DIAMETER: 17mm (IMAGE DIAMETER: 12 mm – THICKNESS: 1,1mm)
- Only high temperature resistant glass gobos can be used! (with black and glossy / mirror sides)



PRISM WHEELS

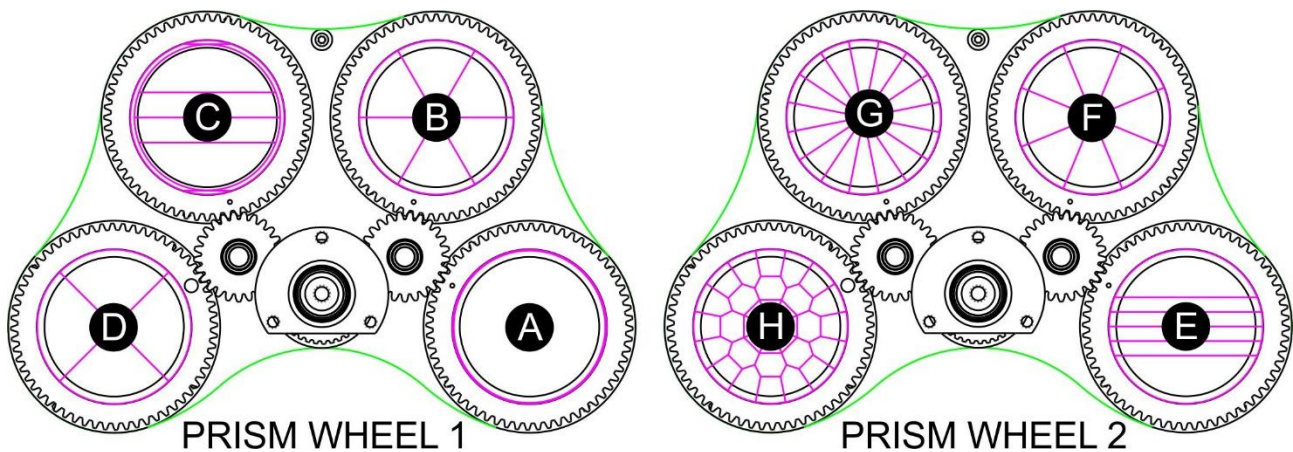
The projector has 8 different prisms distributed on 2 wheels that can overlap to obtain special effects.

Prism wheel 1:

- A. Rotating cylindrical prism
- B. Rotating 6-facet circular prism
- C. Rotating 4-facet linear prism
- D. Rotating 4-facet circular prism

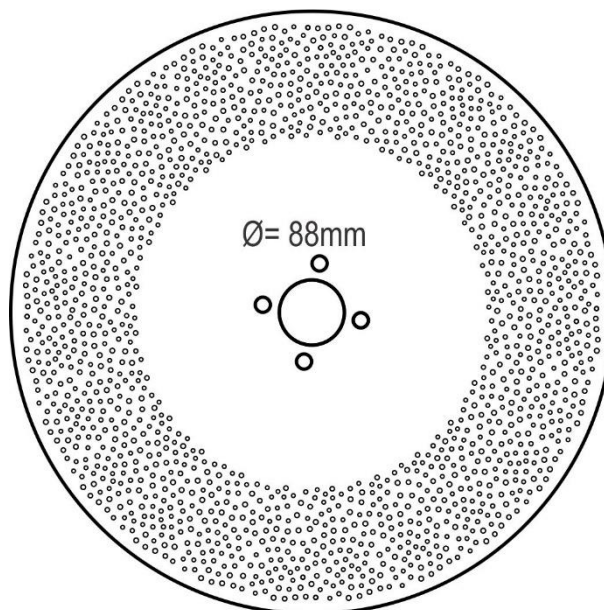
Prism wheel 2:

- E. Rotating 6-facet linear prism
- F. Rotating 8-facet circular prism
- G. Rotating 16-facet circular prism
- H. Rotating 32-facet circular prism



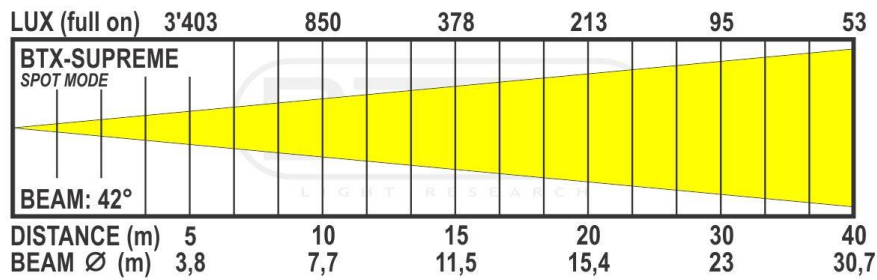
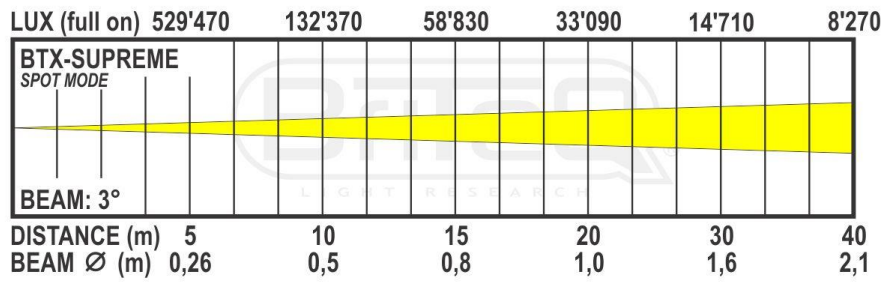
ANIMATION WHEEL

Bidirectional animation wheel

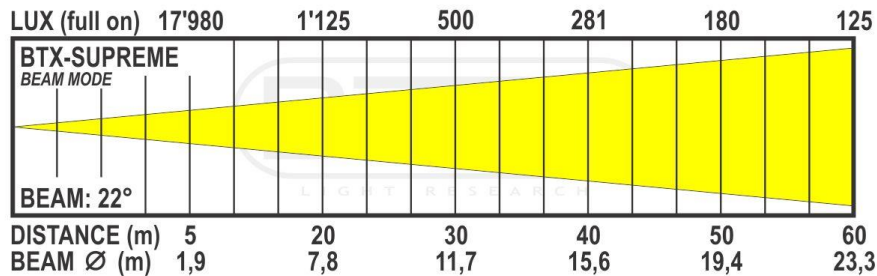
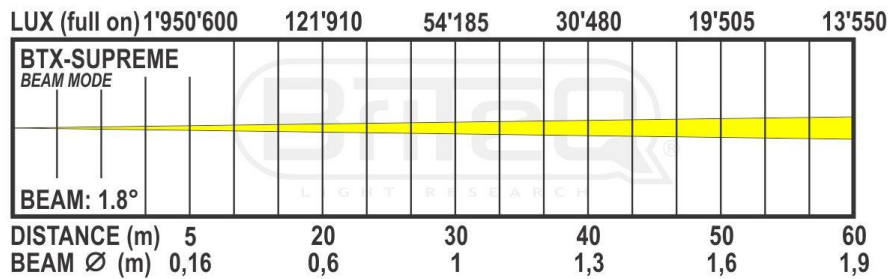


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