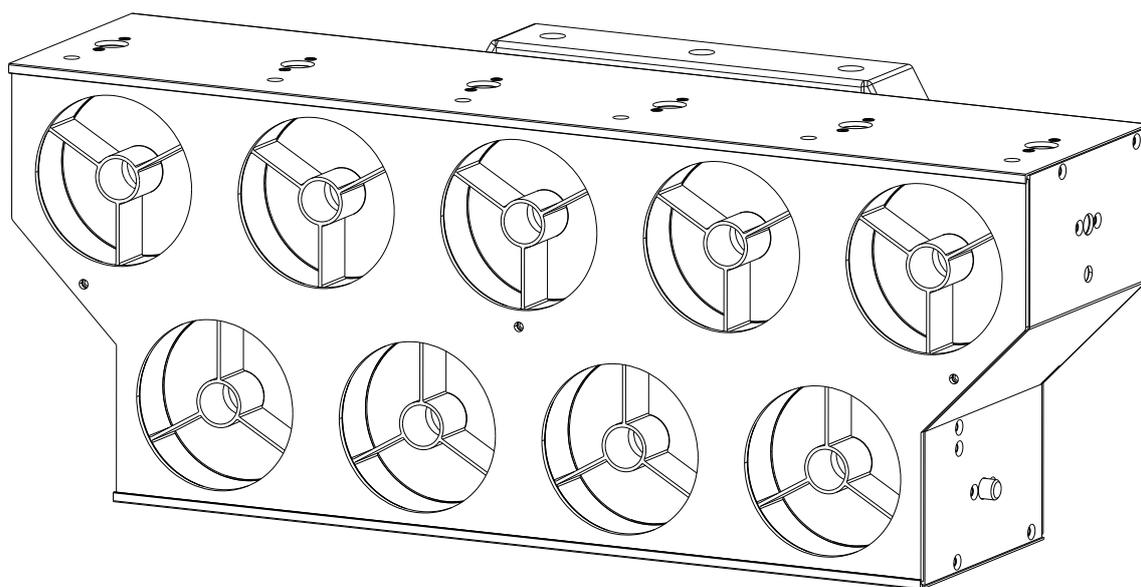


# BT-NONABEAM



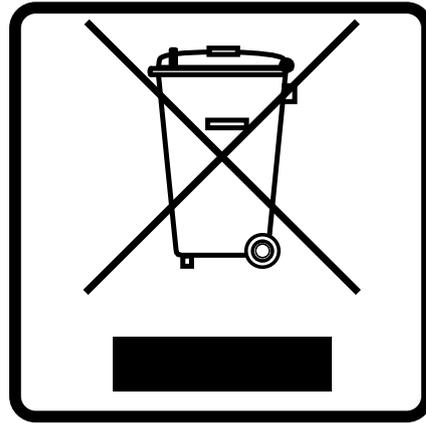
## ENGLISH Operation Manual

Other languages can be downloaded from:  
[WWW.BRITEQ-LIGHTING.COM](http://WWW.BRITEQ-LIGHTING.COM)



*Version: 1.0 (based on V1.03 firmware)*





### **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

- This impressive new projector is developed for use on big concert stages, TV-studios, ...
- The 9 big lenses are each equipped with 60W CW/WW LEDs that produce powerful narrow white 4° beams. (full on: 150'000 lux @3m)
- In a very short time several projectors can be mechanically mounted together to create dynamic "light curtain" effects with unsurpassed power !
- The LEDs can be individually controlled to produce tunable white beams, ranging from warm 3000K with high CRI to 6000K cold white.
- Very powerful RGB-LEDs light up the black front panel in any desired color.
- The units includes 2 extra front panels that can be swapped easily:
  - The white front panel is used to produce very bright and saturated RGB "glow effects"
  - The semi-transmissible "mirror" front panel creates amazing creative effects simply by pointing lasers and light beams at it.
- The 9 lenses are equipped with black anti-glare louvers, gold color louvers are optionally available.
- Different DMX-modes:
  - 13 channels: easy to use mode fast setup with 16bit cold/warm white control for all beams together.
  - 29 channels: individual control of all beams and functions using 8bit dimming
  - 45 channels: individual control of all beams and functions using 16bit dimming
- Control channel for remote selection of PIXEL-order, dimmer speed, dimmer curve, fan control, ...)
- RDM-function for: channel mode, DMX-address, temperature control, ...
- OLED display with backlit touch buttons for easy configuration.
- Easy mechanical installation with 2 included omega brackets.
- Easily removable suspension bracket with quick locks.
- Several M10 fixing points can be used to install the projectors in custom frames.
- Very low-noise fans, perfect for use in noise sensitive places like theatres, TV-studios, ...
- Easy daisy chaining: 3pin & 5pin + Neutrik® PowerCON® TRUE-1 in/out
- Compact size: 58 x 22 x 14cm for easy transport in flight cases!
- 100V~240V 50/60Hz Power supply with automatic 6A fuse.
- Optional 60x120cm flight cases (4 projectors) available.

## 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:

- Operating instructions
- BT-NONABEAM
- 2 Omega brackets "small"
- Neutrik® PowerCON® TRUE-1 power cable
- Detachable mounting bracket
- 1 "Milky white" front panel
- 1 "Mirror look" front panel

## SAFETY INSTRUCTIONS:



**CAUTION**  
RISK OF ELECTRIC SHOCK  
DO NOT OPEN



**CAUTION:** To reduce the risk of electric shock, do not remove the top cover. No user-serviceable parts inside. Refer servicing to qualified service personnel only.



The lightning flash with arrowhead symbol within the equilateral triangle is intended to alert the user to the presence of un-insulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock.



The exclamation point within the equilateral triangle is intended to alert the user to the presence of important operation and maintenance (servicing) instructions in the literature accompanying this appliance.



This symbol means: indoor use only



This symbol means: Read instructions



This symbol determines: the minimum distance from lighted objects. The minimum distance between light-output and the illuminated surface must be more than 2 meters



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

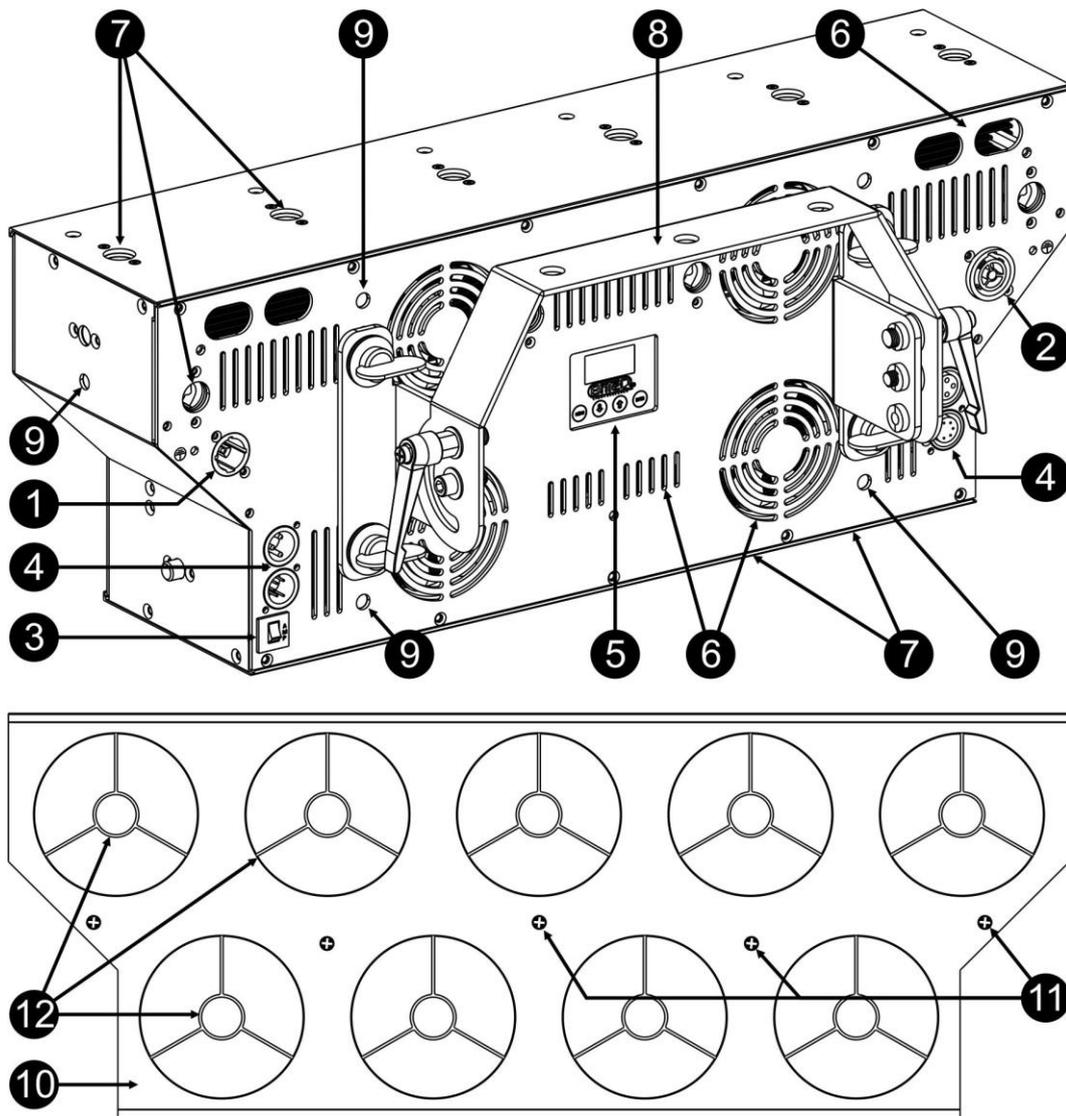
**RISK GROUP 2**  
**CAUTION:**  
Do not stare at operating lamp

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

- To protect the environment, please try to recycle the packing material as much as possible.
- To prevent fire or shock hazard, do not expose this appliance to rain or moisture.
- To avoid condensation to be formed inside, allow the unit to adapt to the surrounding temperatures when bringing it into a warm room after transport. Condensation sometimes prevents the unit from working at full performance or may even cause damages.
- This unit is for indoor use only.
- Don't place metal objects or spill liquid inside the unit. Electric shock or malfunction may result. If a foreign object enters the unit, immediately disconnect the mains power.
- Locate the fixture in a well ventilated spot, away from any flammable materials and/or liquids. The fixture must be fixed at least 50cm from surrounding walls.
- Don't cover any ventilation openings as this may result in overheating.
- Prevent use in dusty environments and clean the unit regularly.
- Keep the unit away from children.
- Inexperienced persons should not operate this device.
- Maximum safe ambient temperature is 40°C. Don't use this unit at higher ambient temperatures.
- Make sure the area below the installation place is free from unwanted persons during rigging, de-rigging and servicing.
- Allow the device about 10 minutes to cool down before to start servicing.
- Always unplug the unit when it is not used for a longer time or before to start servicing.
- The electrical installation should be carried out by qualified personal only, according to the regulations for electrical and mechanical safety in your country.
- Check that the available voltage is not higher than the one stated on the unit.
- The power cord should always be in perfect condition. Switch the unit immediately off when the power cord is squashed or damaged. It must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- Never let the power-cord come into contact with other cables!
- This fixture must be earthed in order to comply with safety regulations.
- Don't connect the unit to any dimmer pack.
- Always use an appropriate and certified safety cable when installing the unit.
- In order to prevent electric shock, do not open the cover. There are no user serviceable parts inside.
- **Never** repair a fuse or bypass the fuse holder. **Always** replace a damaged fuse with a fuse of the same type and electrical specifications!
- In the event of serious operating problems, stop using the fixture and contact your dealer immediately.
- The housing and the lenses must be replaced if they are visibly damaged.
- Please use the original packing when the device is to be transported.
- Due to safety reasons it is prohibited to make unauthorized modifications to the unit.

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

**DESCRIPTION:**



1. **MAINS INPUT:** equipped with original Neutrik PowerCON TRUE1®. Connect the supplied mains cable or any PowerCON TRUE1® extension cable here.
2. **MAINS OUTPUT:** used to daisy chain the power to several other projectors. Always pay attention to the maximum load while adding projectors! Special Multi cables (PowerCON TRUE1® + DMX XLR-cables are optionally available: see our website!)
3. **MAINS FUSE:** protects the unit in case of electrical problems, press the button to re-arm if needed!
4. **DMX IN/OUT:** both 3pin and 5pin in/outputs are available to daisy chain the projector with other units that will be controlled by a DMX-controller.
5. **DISPLAY & BUTTONS:** alphanumeric OLED-display and backlit touch keys to select different options of the setup menu:
  - **MENU-button:** used to enter/exit the setup menu.
  - **▼-button:** used to go to the next menu option or to decrease a parameter value.
  - **▲-button:** used to go to the previous menu option or to increase a parameter value.
  - **ENTER-button:** used to select a menu option or confirm a setting.
6. **COOLING FANS:** due to the high power it is very important to make sure that the temperature controlled fans and ventilation openings always remain free to maintain optimal cooling!
7. **OMEGA BRACKETS:** installation points for the fitting of omega brackets. For maximum flexibility the omega brackets (2pcs included) can be installed at different locations. Also used to fix several projectors in a line to create a light curtain.
8. **HANGING BRACKET:** the included hanging bracket can be easily installed/removed using 4 quarter-turn quick locks.

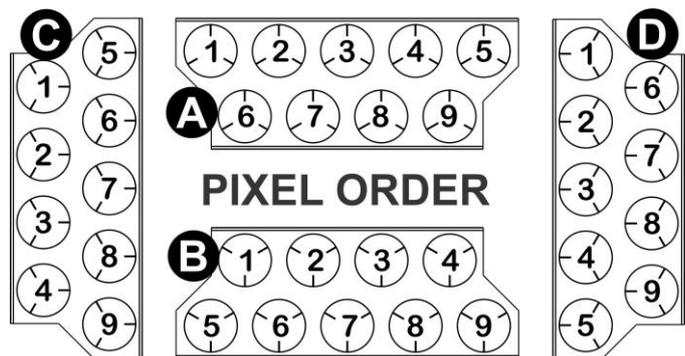
- 9. **M10-SUSPENSION POINTS:** several points can be used to install the projectors in custom frames. Attention: the maximum installation depth for the M10 bolts is 20mm!
- 10. **FRONT PANELS:** the projector comes with 3 different front panels that can be used for different applications:
  - **BLACK FRONT:** (*installed as standard*) this semi-light translucent panel looks black while not lit and can light up in different colors (RGB glow effect). Perfect for stage applications!
  - **WHITE FRONT:** this semi-light translucent panel looks white while not lit and can light up in different colors. Advantage: the RGB-glow effect will be much more powerful compared to the black panel.
  - **MIRROR FRONT:** the front of the projector looks like a mirror and can be used to reflect (laser)beams for extra effects. The RGB glow effect is similar to that of the black front.
- 11. **PANEL SCREWS:** these M4 screws are used to keep the front panel in place. Simply remove the screws and slide the FRONT PANEL aside to replace it.
 

**Attention:** To prevent the front panel from cracking, do not over-tighten the screws or use an electric screwdriver.
- 12. **ANTI-GLARE LOUVERS:** these ensure a tight beam and prevent glare. Black louvers are installed as standard, a set of 9 gold colored louvers (order code: 05415) is optionally available. Simply remove the front panel (10) to access the screws that keep the louvers in place.

## SETUP MENU:

The setup menu of this projector has been deliberately kept very simple to allow quick installation with less risk of incorrect settings. In addition, a number of important settings are made via a DMX control channel.

DISPLAY	DESCRIPTION
CH: ccc xxx (yyy)	DMX-address setting (Also standard display)
CH. MODE xxCH	Channel mode
PIX ORDER A (std)	Pixel order (A,B,C,D numbering)
CURVE SQUARE	CURVE select
FACTORY RESET	FACTORY RESET
FAN AUTO	FAN mode
PIX: xxx°C RGB: xxx°C	TEMPERATURE display
FIRMWARE Vx,xx	FIRMWARE display



- Press the MENU button to enter the setup menu.
- Use the ▼/▲ buttons to browse the menu until the required function shows up.
- Select the function with the ENTER button.
- Use ▼/▲ buttons to change the values.
- Press the ENTER button to confirm the selected value.

### DMX ADDR

Used to set the desired DMX-address.

- On the standard display, press the ENTER button: the start address blinks.
- Use ▼/▲ buttons to select the desired DMX512 address. The last occupied DMX-address is also shown: makes it easier to set the address of the next unit in the chain.
- Once the correct address shows on the display, press the ENTER button to save it.

**Remark:** on RDM-compatible controllers this option can also be remotely set.

**CH. MODE**

Used to set the desired channel mode.

- Use the ▼/▲ buttons to browse the menu until the required function shows up.
- Select the function with the ENTER button.
- Use ▼/▲ buttons to select the desired mode:
  - **13CH** Easy mode with preprogrammed colors + effects
  - **29CH** Full pixel mode with 8bit dimming.
  - **45CH** Full pixel mode with 16bit dimming. (coarse + fine per pixel)
- Once the correct option shows on the display, press the ENTER button to save it.

**Remark:** on RDM-compatible controllers this option can also be remotely set.

**PIXORDER**

Used to set the order / numbering of the pixels.

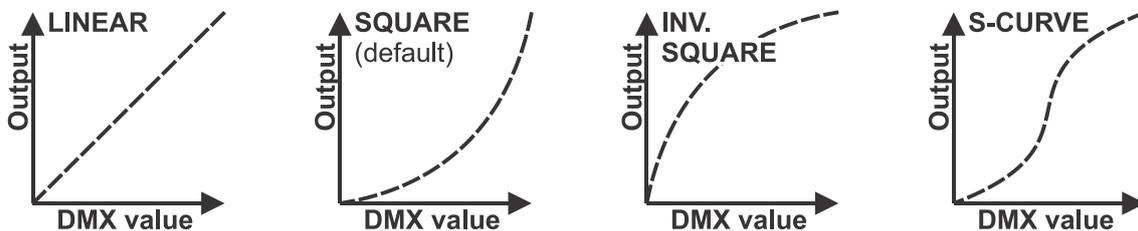
- Use the ▼/▲ buttons to browse the menu until the required function shows up.
- Select the function with the ENTER button.
- Use ▼/▲ buttons to select the desired mode: (see drawing PIXEL ORDER )
  - **A(std)** Horizontal installation, standard setting
  - **B(180)** Horizontal installation, upside-down
  - **C(+90)** Vertical installation, rotated over +90°
  - **D(-90)** Vertical installation, rotated over -90°
- Once the correct option shows on the display, press the ENTER button to save it.

**Remark:** this option can be overruled using the DMX-control channel.

**DIMMER CURVE**

Used to set the dimmer curve of the individual pixels.

- Use the ▼/▲ buttons to browse the menu until the required function shows up.
- Select the function with the ENTER button.
- Use ▼/▲ buttons to select the desired curve:



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

**Remark:** this option can be overruled using the DMX-control channel.

**FACTORY RESET**

This is your emergency exit if you really messed up the settings: just return to factory settings.

- Use the ▼/▲ buttons to browse the menu until the required function shows up.
- Select the function with the ENTER button: the display shows FACTORY OFF
- Use ▼/▲ buttons to select the FACTORY ON
- Press ENTER to confirm.

These factory settings will be used:

<b>DMX ADDRESS</b>	NOT changed !
<b>CHANNEL MODE</b>	NOT changed !
<b>PIX ORDER</b>	A (std)
<b>DIMMER CURVE</b>	Square
<b>DIMMER SPEED</b>	DMX-value 030 (0.3s)
<b>FAN MODE</b>	AUTO

**FAN**

Used to set the working mode of the cooling system.

- Use the ▼/▲ buttons to browse the menu until the required function shows up.
- Select the function with the ENTER button.
- Use ▼/▲ buttons to select the desired mode:
  - **AUTO** The fans are temperature controlled.
  - **FULL** The fans are running at full speed to assure maximum cooling.
- Once the correct option shows on the display, press the ENTER button to save it.

**Remark:** this option can be overruled using the DMX-control channel.

**PIX + RGB °C**

Used to show the temperature of the LEDs.

- Use the ▼/▲ buttons to browse the menu until the temperature display is showing.

**FIRMWARE**

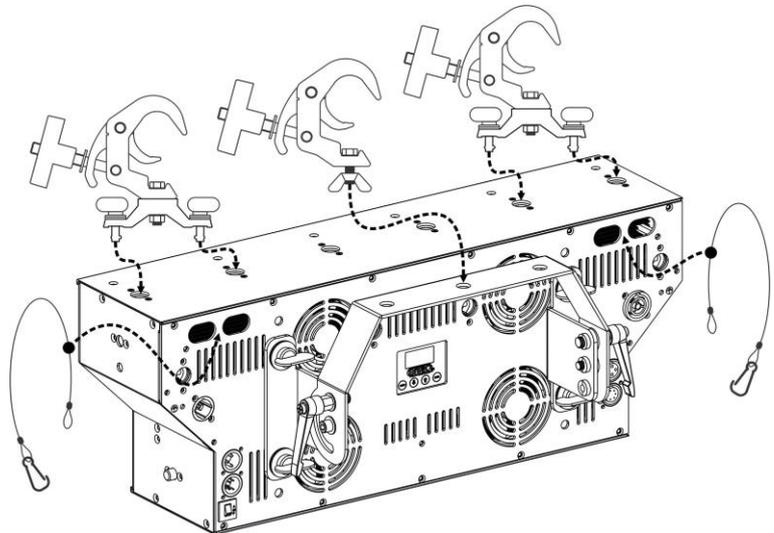
Used to show the current version of the firmware.

- Use the ▼/▲ buttons to browse the menu until the FIRMWARE is showing on the display.

**Note:** The firmware of this unit can be upgraded using our special “Firmware Updater 2” (separately available from Briteq). More information about this can be found in the user manual of the firmware updater or our website: <https://briteq-lighting.com/firmware-updater-2>

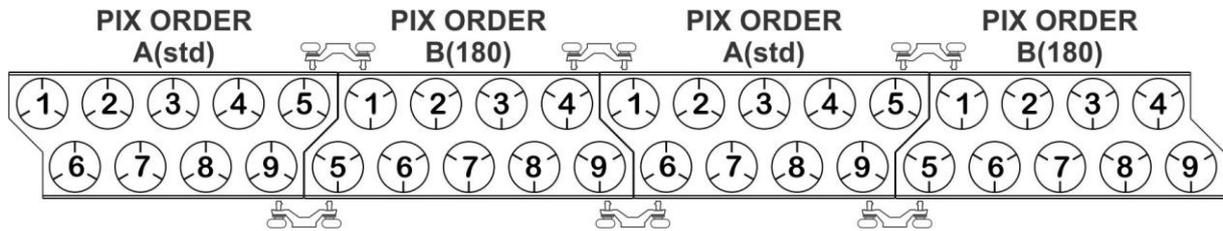
**OVERHEAD RIGGING**

- **Important:** The installation must be carried out by qualified service personal only. Improper installation can result in serious injuries and/or damage to property. Overhead rigging requires extensive experience! Working load limits should be respected, certified installation materials should be used, the installed device should be inspected regularly for safety.
- Make sure the area below the installation place is free from unwanted persons during rigging, de-rigging and servicing.
- Locate the fixture in a well ventilated spot, far away from any flammable materials and/or liquids. The fixture must be fixed **at least 50cm** from surrounding walls.
- The device should be installed out of reach of people and outside areas where persons may walk by or be seated.
- Before rigging make sure that the installation area can hold a minimum point load of 10times the device's weight.
- Always use a certified safety cable that can hold 12times 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.



**Creating a light curtain**

To create a long light curtain, the projectors are connected to each other using OMEGA brackets. Each time, the next projector in the row is rotated 180° to create a seamless row.



For ease of programming, the PIX ORDER of the rotated projector is adjusted to B(180). (see chapter “setup menu”)

**ELECTRICAL INSTALLATION**

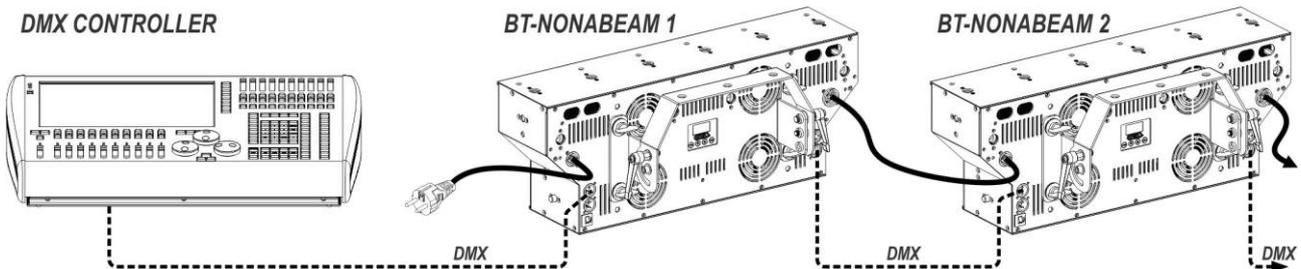


**Important:** The electrical installation should be carried out by qualified personal only, according to the regulations for electrical and mechanical safety in your country.

**ELECTRICAL INSTALLATION FOR TWO OR MORE UNITS IN 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.



**Note:** Power daisy chaining @ 240V: max 3 units

- 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 good quality balanced DMX-cable. Both XLR-3pin and XLR-5pin connectors are used, however XLR-3pin is more popular.
- 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 unit in the chain has its proper starting address so it knows which commands from the controller it has to decode.

## RDM FUNCTIONS / REMOTE SETUP

RDM means “Remote Device Management”. This projector works with a brief set of RDM-functions which means that it can setup a bi-directional communication with an RDM-compatible DMX-controller. Some of these functions are briefly explained below, others will be added in the future.

- The DMX-controller sends out a “discovery command”, all RDM devices respond and send their unique device ID.
- The DMX-controller asks each RDM device for some basic data so it knows which devices are connected. The projector will respond:
  - **Device name:** BT-NONABEAM
  - **Manufacturer:** Briteq®
  - **Category:** fixture fixed
  - **Firmware:** x.x.x.x (firmware version of the projector)
  - **DMX address:** xxx (current DMX start address of the projector)
  - **DMX footprint:** xx (number of DMX-channels used by the projector)
  - **Personality:** xx (current personality or DMX-working mode used by the projectors)
- The DMX-controller can send certain commands to each RDM device which allow remote setup of the units. Thanks to this the projector can be setup remotely.

### The following functions can be managed remotely:

No more need to take a ladder and set all units one by one!

- **DMX START ADDRESS:** The start address can be set remotely from 001 to xxx.
- **PERSONALITY:** The DMX working mode (DMX-chart) can be set remotely.

These 2 functions make it possible to prepare a complete DMX-patch of all projectors on the DMX-controller and send these data to all projectors at once. More functions will be added later.

## OPERATING INSTRUCTIONS

**Note:** when the projector is switched on the display shows “UPDATE WAIT ...” This message informs you that IF you want to upgrade the firmware, you should do it while this message is shown on the display. For normal use you can ignore this message completely.

- Connect all units together. Refer to the chapter “Electrical installation for two or more units in DMX-mode” to learn how to do this (don’t forget to address all units properly!)
- 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:

13CH	29CH	45CH	DMX VALUES	FUNCTION
1	1	1	000-255	WW PIXEL MASTER DIM coarse
2	2			WW PIXEL MASTER DIM fine
3	3	2	000-255	CW PIXEL MASTER DIM coarse
4	4			CW PIXEL MASTER DIM fine
				CW/WW PIXEL MASTER STROBE
			000-001	Open (no strobe)
			002-085	Random strobe – COMBINED PIXELS (slow→fast)
			086-169	Random strobe – SEPARATE PIXELS (slow→fast)
			170-253	Normal strobe – COMBINED PIXELS (slow→fast)
			254-255	Closed (no output)
	6	4	000-255	PIXEL 1: DIM WW coarse
		5	000-255	PIXEL 1: DIM WW fine
	7	6	000-255	PIXEL 1: DIM CW coarse
		7	000-255	PIXEL 1: DIM CW fine
	8	8	000-255	PIXEL 2: DIM WW coarse
		9	000-255	PIXEL 2: DIM WW fine
	9	10	000-255	PIXEL 2: DIM CW coarse
		11	000-255	PIXEL 2: DIM CW fine

	10	12	000-255	PIXEL 3: DIM WW coarse
		13	000-255	PIXEL 3: DIM WW fine
	11	14	000-255	PIXEL 3: DIM CW coarse
		15	000-255	PIXEL 3: DIM CW fine
	12	16	000-255	PIXEL 4: DIM WW coarse
		17	000-255	PIXEL 4: DIM WW fine
	13	18	000-255	PIXEL 4: DIM CW coarse
		19	000-255	PIXEL 4: DIM CW fine
	14	20	000-255	PIXEL 5: DIM WW coarse
		21	000-255	PIXEL 5: DIM WW fine
	15	22	000-255	PIXEL 5: DIM CW coarse
		23	000-255	PIXEL 5: DIM CW fine
	16	24	000-255	PIXEL 6: DIM WW coarse
		25	000-255	PIXEL 6: DIM WW fine
	17	26	000-255	PIXEL 6: DIM CW coarse
		27	000-255	PIXEL 6: DIM CW fine
	18	28	000-255	PIXEL 7: DIM WW coarse
		29	000-255	PIXEL 7: DIM WW fine
	19	30	000-255	PIXEL 7: DIM CW coarse
		31	000-255	PIXEL 7: DIM CW fine
	20	32	000-255	PIXEL 8: DIM WW coarse
		33	000-255	PIXEL 8: DIM WW fine
	21	34	000-255	PIXEL 8: DIM CW coarse
		35	000-255	PIXEL 8: DIM CW fine
	22	36	000-255	PIXEL 9: DIM WW coarse
		37	000-255	PIXEL 9: DIM WW fine
	23	38	000-255	PIXEL 9: DIM CW coarse
		39	000-255	PIXEL 9: DIM CW fine
6	24	40	000-255	RGB MASTER DIM (0-100%)
				RGB MASTER STROBE
7	25	41	000-007	<i>Open (no strobe)</i>
			008-067	<i>Random strobe (slow → fast)</i>
			068-255	<i>Normal strobe (slow → fast)</i>
8	26	42	000-255	GLOW RED coarse
9	27	43	000-255	GLOW GREEN coarse
10	28	44	000-255	GLOW BLUE coarse
				GLOW RGB EFFECTS
			000-004	<i>No function (channels 8+9+10 are used)</i>
			005-010	<i>Red</i>
			011-016	<i>Orange</i>
			017-022	<i>Yellow</i>
			023-028	<i>Green</i>
			029-034	<i>Cyan</i>
			035-040	<i>Blue</i>
			041-046	<i>Purple</i>
			047-082	<i>Red/Blue switching (slow → fast)</i>
			083-118	<i>Red/Green switching (slow → fast)</i>
			119-154	<i>Blue/Green switching (slow → fast)</i>
			155-255	<i>COLORFADE (very slow → fast)</i>
				BEAM EFFECTS
			000-003	<i>No function (no effects active)</i>
			004-039	<i>METEOR 1</i>
			040-075	<i>METEOR 2</i>
			076-111	<i>FLOW 1</i>
			112-147	<i>FLOW 2</i>
			148-183	<i>CFADE</i>
			184-219	<i>CHANGE</i>
			220-255	<i>FADE</i>
				CONTROL CHANNEL
13	29	45	000-007	<i>No function</i>
			008-108	<i>DIMMER SPEED: (0,0s → 0,7s)</i>

13	29	45	109-114	No function
			115-120	PIXEL ORDER: A (standard 0°)
			121-126	PIXEL ORDER: B (rotated over 180°)
			127-132	PIXEL ORDER: C (rotated over +90°)
			133-138	PIXEL ORDER: D (rotated over -90°)
			139-144	No function
			145-150	FAN AUTO: temperature controlled
			151-156	FAN FULL: always on
			157-162	No function
			163-168	LINEAR dimmer curve
			169-174	SQUARE dimmer curve
			175-180	INVERSE SQUARE dimmer curve
			181-186	S-CURVE dimmer curve
			187-192	No function
			193-198	LOAD FACTORY settings to SETUP MENU
			199-255	No function

**Remark:** All functions in the control channel become active after 3 seconds.  
To avoid accidents "LOAD FACTORY settings" becomes active after 6 seconds.

## MAINTENANCE

- Make sure the area below the installation place is free from unwanted persons during servicing.
- Switch off the unit, unplug the mains cable and wait until the unit has been cooled down.

### **During inspection the following points should be checked:**

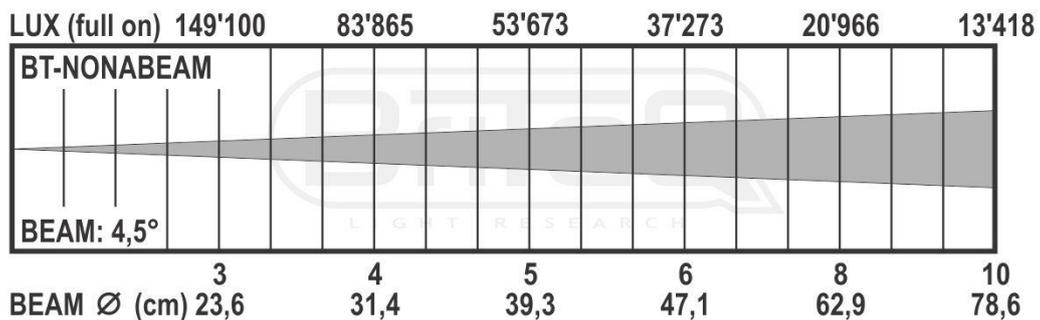
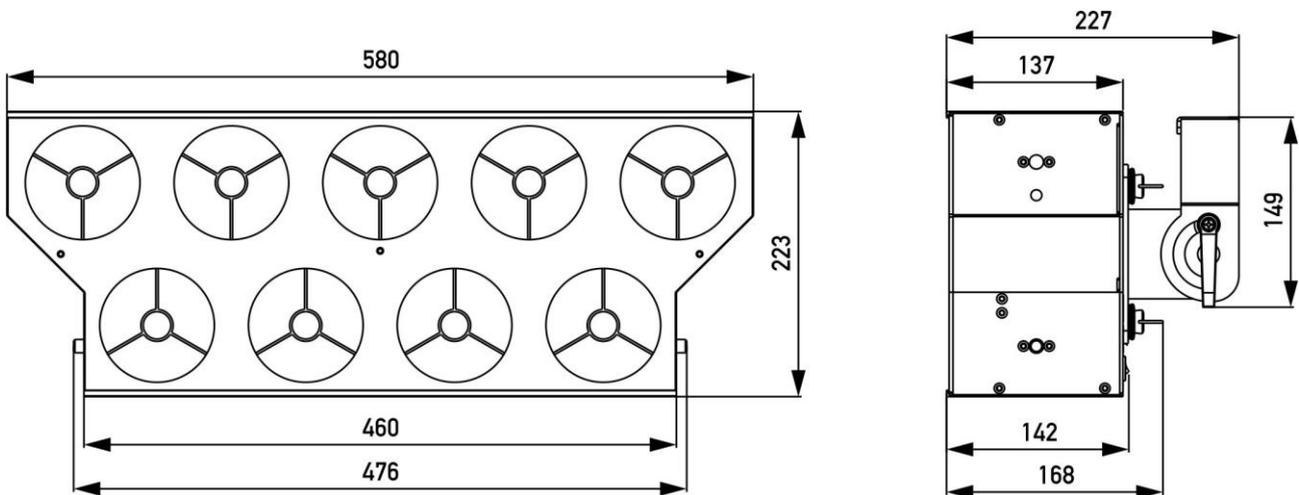
- All screws used for installing the device and any of its parts should be tightly fastened and may not be corroded.
- Housings, fixations and installations spots (ceiling, truss, suspensions) should be totally free from any deformation.
- When an optical lens is visibly damaged due to cracks or deep scratches, it must be replaced.
- The mains cables must be in impeccable condition and should be replaced immediately when even a small problem is detected.
- In order to protect the device from overheat the cooling fans (if any) and ventilation openings should be cleaned monthly.
- The interior of the device should be cleaned annually using a vacuum cleaner or air-jet.
- The cleaning of internal and external optical lenses and/or mirrors must be carried out periodically to optimize light output. Cleaning frequency depends on the environment in which the fixture operates: damp, smoky or particularly dirty surroundings can cause greater accumulation of dirt on the unit's optics.
  - Clean with a soft cloth using normal glass cleaning products.
  - Always dry the parts carefully.

**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.

<b>Mains Input:</b>	AC 100V – 240V, 50/60Hz
<b>Power connections:</b>	Neutrik® PowerCON TRUE1
<b>Power consumption (full power):</b>	730 Watt
<b>Power factor:</b>	0.95
<b>Protection class:</b>	1
<b>IP-rating:</b>	IP20
<b>Fuse:</b>	250V 6A thermal fuse
<b>DMX connections:</b>	3pin + 5pin XLR male / female
<b>DMX channels used:</b>	13 + 29 + 45 channels
<b>Lamps for beams:</b>	9pcs WHITE LED, 60 watt (30w 3000K + 30w 6000K)
<b>Lamps for glow effect :</b>	72pcs 1W RGB-leds
<b>LED refresh rate:</b>	1.2 kHz
<b>Beam angle:</b>	4° ~ 4.5°
<b>Ambient temperature:</b>	40°C
<b>Size (L x H x D):</b>	580 x 223 x 142mm (227mm incl. hanging bracket)
<b>Weight:</b>	15kg (16kg incl bracket)



The information might be modified without prior notice  
 You can download the latest version of this user manual on our website: [www.briteq-lighting.com](http://www.briteq-lighting.com)



## MAILING LIST

**EN: Subscribe today to our mailing list for the latest product news!**

**FR: Inscrivez-vous à notre liste de distribution si vous souhaitez suivre l'actualité de nos produits!**

**NL: Abonneer je vandaag nog op onze mailinglijst en ontvang ons laatste product nieuws!**

**DE: Abonnieren Sie unseren Newsletter und erhalten Sie aktuelle Produktinformationen!**

**ES: Suscríbete hoy a nuestra lista de correo para recibir las últimas noticias!**

**PT: Inscreva-se hoje na nossa mailing list para estar a par das últimas notícias!**

**[WWW.BRITEQ-LIGHTING.COM](http://WWW.BRITEQ-LIGHTING.COM)**

**Copyright © 2018 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.