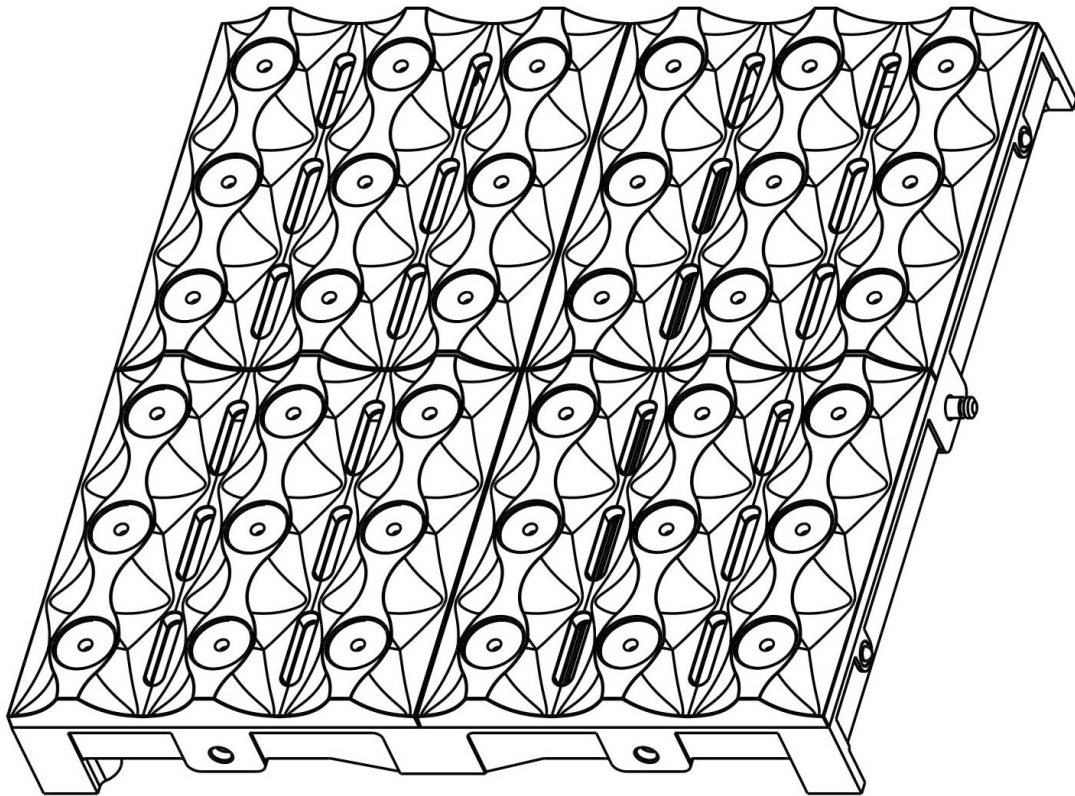


# ***BT-GLOWPANEL***



## **ENGLISH**

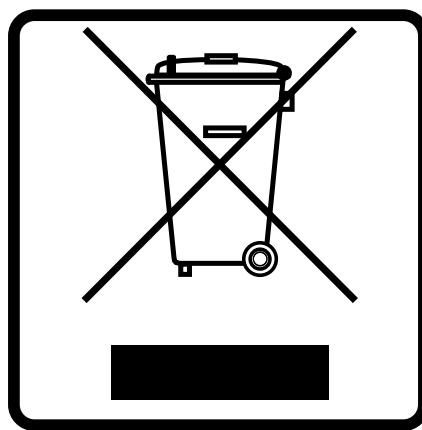
### **Operation Manual**

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

- The unit is equipped with 36 extremely effective very narrow 4.5° lenses, in combination with powerful and reliable 3W warm white leds.
- This results in an exceptionally powerful “narrow beam” 6x6 Matrix effect projector that turns even the biggest concerts and TV shows into an amazing spectacle! Light engineers will be amazed by the endless possibilities and ease of use to create astonishing light shows!
- A vast internal effects library, containing letters, numbers, chases!
- 5 different DMX channel modes for different applications:
  - **4CH:** pixel programs + RGB panel dimming
  - **7CH:** pixel dimming + strobe + programs/letters/numbers + RGB panel dimming
  - **13CH:** pixel dimming + strobe + programs/letters/numbers + speed + RGB panel dimming
  - **43CH:** individual pixel dimming + programs/letters/numbers + individual panel RGB dimming
  - **48CH:** individual pixel dimming + pixel master dimming + strobe + programs + speed + individual panel RGB dimming
- Excellent built-in programs for wonderful, ever changing, light shows.
- Silent operation, thanks to natural convection.
- The internal shows work in standalone, master/slave or can be selected by DMX: static colors, fading colors, different static chases, different sound activated chases.
- Backlit alphanumeric 2x 8 character LCD-display for easy menu navigation
- ProCON in/outputs: easy daisy chaining of several units.
- 3pin XLR DMX in/outputs
- Rugged metal construction, equipped with “quick lock” mechanisms to build large matrix arrays in no time.
- Optionally a hanging bracket is available for truss mounting of larger arrays (order code: 4426)
- High efficiency and low power consumption!

## 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-GLOWPANEL
- Mains cable

## 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 1 meters



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

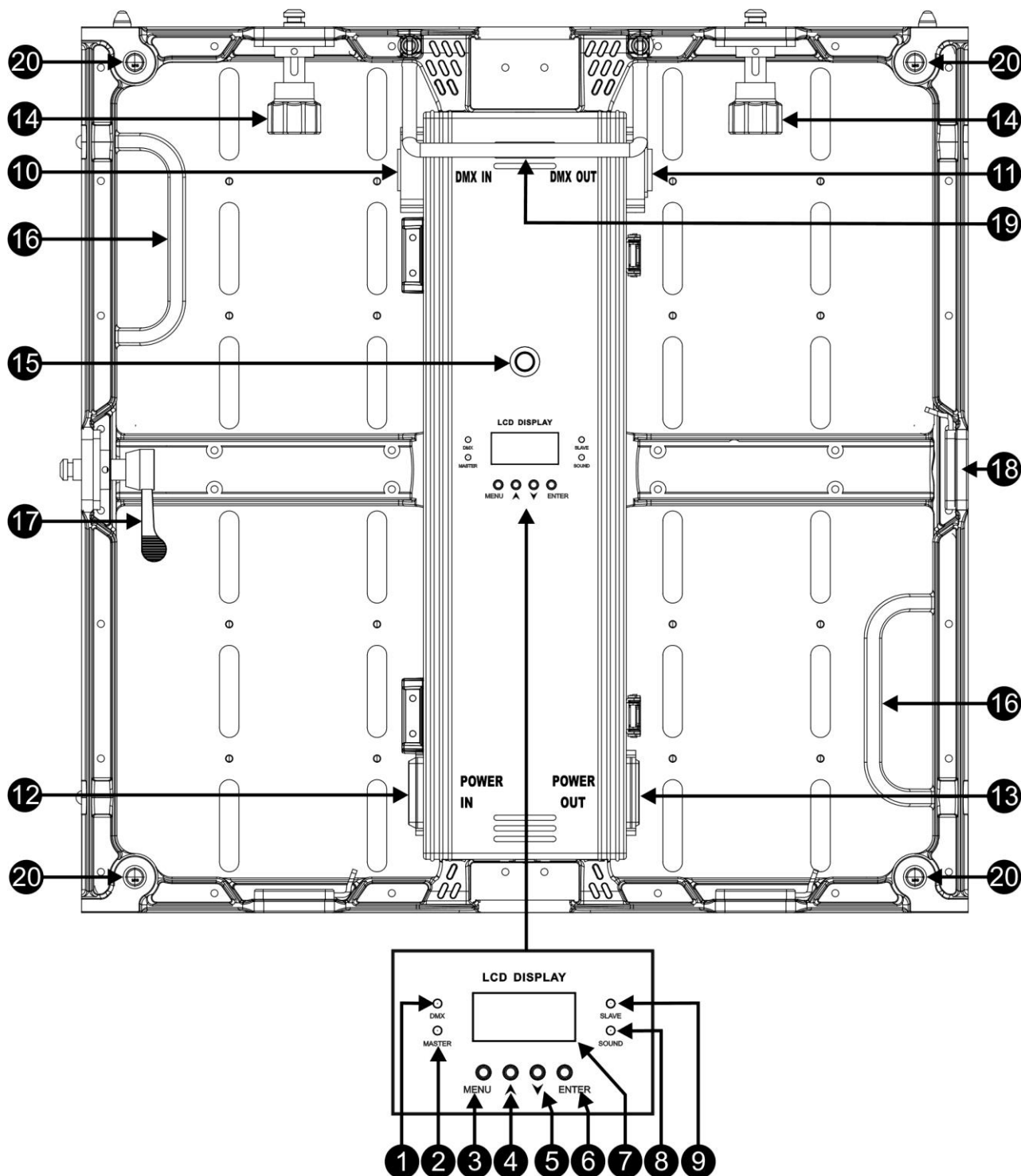
**RISK GROUP 2**  
**CAUTION:**  
Do not stare at operating lamp

**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. Condense sometimes prevents the unit from working at full performance or may even cause damages.
- This unit is for indoor use only.
- Don't place metal objects or spill liquid inside the unit. Electric shock or malfunction may result. If a foreign object enters the unit, immediately disconnect the mains power.
- Locate the fixture in a well ventilated spot, away from any flammable materials and/or liquids. The fixture must be fixed at least 50cm from surrounding walls.
- Don't cover any ventilation openings as this may result in overheating.
- Prevent use in dusty environments and clean the unit regularly.
- Keep the unit away from children.
- Inexperienced persons should not operate this device.
- Maximum safe ambient temperature is 40°C. Don't use this unit at higher ambient temperatures.
- Make sure the area below the installation place is free from unwanted persons during rigging, de-rigging and servicing.
- Allow the device about 10 minutes to cool down before to start servicing.
- Always unplug the unit when it is not used for a longer time or before to start servicing.
- The electrical installation should be carried out by qualified personal only, according to the regulations for electrical and mechanical safety in your country.
- Check that the available voltage is not higher than the one stated on the unit.
- The power cord should always be in perfect condition. Switch the unit immediately off when the power cord is squashed or damaged. It must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- Never let the power-cord come into contact with other cables!
- This fixture must be earthed in order to comply with safety regulations.
- Don't connect the unit to any dimmer pack.
- Always use an appropriate and certified safety cable when installing the unit.
- In order to prevent electric shock, do not open the cover. 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 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:

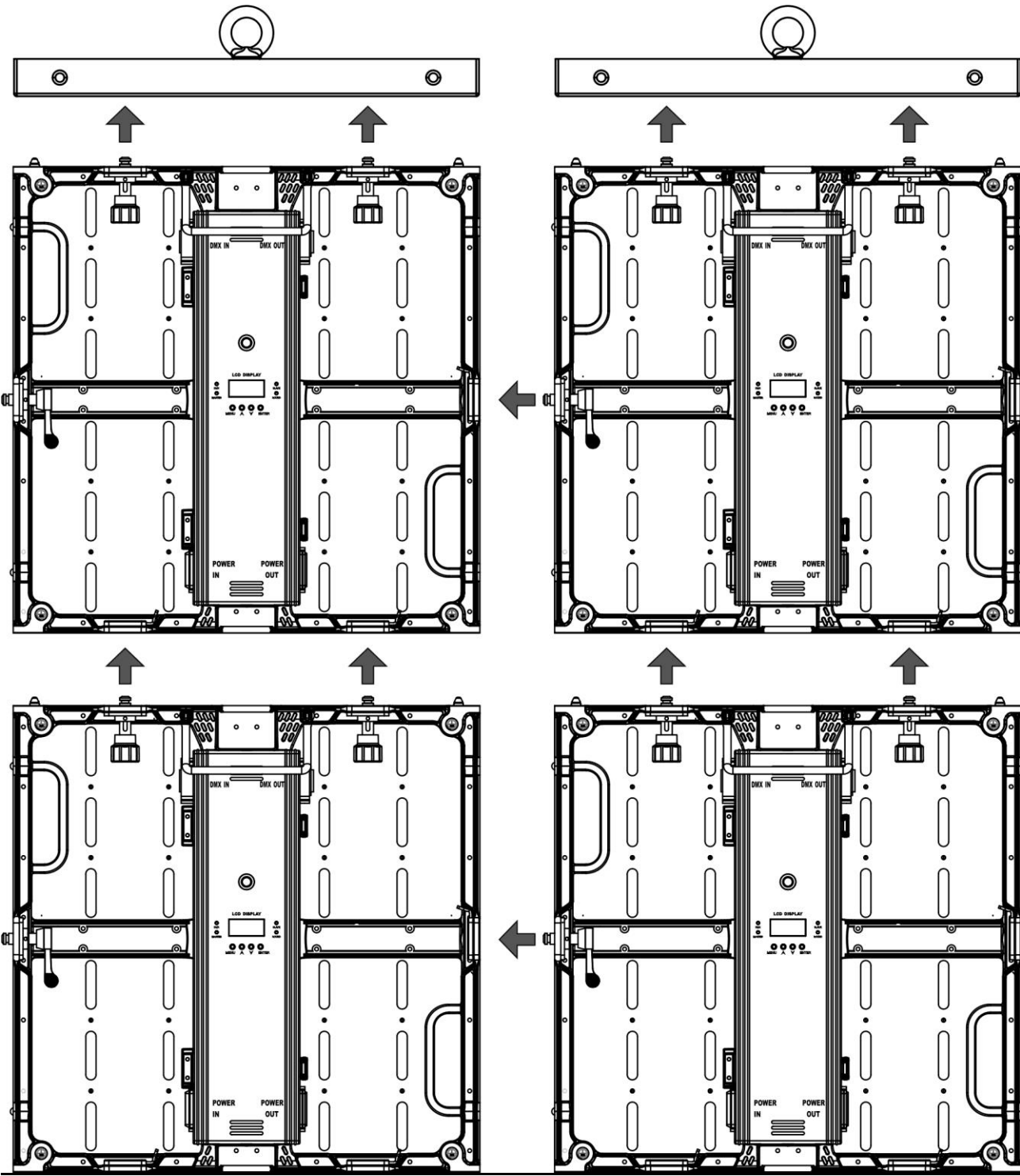


1. **[DMX] indicator:** red LED lits when DMX signal is present.
2. **[MASTER] indicator:** yellow LED lits when no DMX signal is present and the fixture is in stand alone mode or when one or more fixtures are connected as slave(s).
3. **[MENU]:** used to browse the different options of the setup menu, also the ▲/▼ buttons (4 & 5) can be used to browse the setup menu in both directions.
4. **[▲] button:** used to browse the setup menu and increase the value of a selected parameter.
5. **[▼] button:** used to browse the setup menu and decrease the value of a selected parameter

6. **[ENTER]** button: used to confirm the selected values of the parameters.
7. **[LCD DISPLAY]**: backlit 2x 8 character LCD-display for easy navigation. The backlight lights up as soon as one of the buttons is pressed
8. **[SOUND] indicator**: green LED flashes on the beat of the music when the fixture is in stand alone mode and sound is set to ON in the menu.
9. **[SLAVE] indicator**: red LED lits when the fixture is connected to a Master.
10. **[DMX IN]**: 3 pin XLR input to daisy chain the fixture with other units or a DMX-controller. The DMX-input is also used to update the firmware of the fixture.
11. **[DMX OUT]**: 3 pin XLR output to daisy chain the fixture with other units.
12. **[POWER IN]**: connect the mains cable or an extension cable here.
13. **[POWER OUT]** : used to daisy chain the power to several other fixtures. Always pay attention to the maximum load while adding fixtures! Special combi cables (power + DMX XLR-cables) are available: see our website!
14. **QUICK LOCKS**: these "quick lock" mechanisms make it extremely easy and fast to build large matrix arrays in no time. Also the optional hanging bracket (order code: 4426) can be fixed in no time.
15. **MICROPHONE**: used to make the fixture work in sound mode to the beat of the music. It's sensitivity can be set in the menu ["SOUND SENS"]. (see [SETUP MENU])
16. **CARRYING HANDLES**: on both sides of the panel there are 2 folding carrying handles for easy transporting and mounting the fixture.
17. **MOUNTING PIN**: used for fixing panels in a horizontal setup.
18. **MOUNTING HOLE**: used for inserting the mounting pin (17) from left or right panels in a horizontal setup.
19. **CARRYING HANDLE**: on the top of the panel there is a folding carrying handle to easily transport the fixture or insert/remove it from its flight case.
20. **Inner thread M8**: for use with eye bolts or clamps with M8 thread

## OVERHEAD RIGGING

- **Important:** The installation must be carried out by qualified service personal only. Improper installation can result in serious injuries and/or damage to property. Overhead rigging requires extensive experience! Working load limits should be respected, certified installation materials should be used, the installed device should be inspected regularly for safety.
  - Make sure the area below the installation place is free from unwanted persons during rigging, de-rigging and servicing.
  - Locate the fixture in a well ventilated spot, far away from any flammable materials and/or liquids. The fixture must be fixed **at least 50cm** from surrounding walls.
  - The device should be installed out of reach of people and outside areas where persons may walk by or be seated.
  - Before rigging make sure that the installation area can hold a minimum point load of 10times the device's weight.
- 
- Always use a certified safety cable that can hold 12 times the weight of the device when installing the unit. This secondary safety attachment should be installed in a way that no part of the installation can drop more than 20cm if the main attachment fails.
  - The device should be well fixed; a free-swinging mounting is dangerous and may not be considered!
  - Don't cover any ventilation openings as this may result in overheating.
  - The operator has to make sure that the safety-relating and machine-technical installations are approved by an expert before using them for the first time. The installations should be inspected every year by a skilled person to be sure that safety is still optimal.



DMX ADDR  
001 (XXX)

CH. MODE  
XX CH

SHOW  
MODE PIX

SHOW  
MODE RGB

MANUAL  
MODE

SOUND  
MODE

SOUND  
SENS

BLACKOUT  
PIXELS

BLACKOUT  
RGB PAN.

BACK  
LIGHT

AUTO  
TEST

LOAD  
DEFAULTS

FIXTURE  
TIME

FIRMWARE  
VERSION

DMX ADDR — ENTER → ADDRESS: xxx

UP DOWN

CH. MODE — ENTER → CH 4-7-13-43-48

UP DOWN

SHOW MODE — ENTER → Show 0-8

UP DOWN

SHOW MODE -C — ENTER → Show 0-4

UP DOWN

MANUAL MODE — ENTER → Number 0-9  
Letter A-Z

UP DOWN

SOUND MODE — ENTER → ON / OFF

UP DOWN

SOUND SENS — ENTER → ON / OFF

UP DOWN

BLACK OUT PIXELS — ENTER → YES / NO

UP DOWN

BLACK OUT PANELS — ENTER → YES / NO

UP DOWN

BACK LIGHT — ENTER → ON / OFF

UP DOWN

AUTO TEST

UP DOWN

LOAD DEFAULTS — ENTER → YES / NO

UP DOWN

FIXTURE TIME — ENTER → XXX

UP DOWN

FIRMWARE V:1.0

UP DOWN

## SETUP MENU

With the setup menu you can fully configure the projector. All settings are preserved when the unit is disconnected from the mains.

### Browsing the setup menu:

#### **General instructions for setup.**

- Press the [MENU] button to access the setup menu.
- Press the [MENU] button or ▲/▼ buttons to browse the different functions of the setup menu until the required function is shown on the display.
- Press the [ENTER] button to access the function and change its parameters.
- The value to change starts blinking. Use ▲/▼ button to change the value.
- Press the [ENTER] button again confirm and select the next parameter to adjust.

### **[DMX ADDR]**

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

- Press the [ENTER] button as soon as the menu option is shown: the values can be changed.
- Use the ▲/▼ 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.
- Press the [MENU] button for 2 seconds to leave the setup menu.

### **[CH. MODE]**

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

- Press the [ENTER] button as soon as the menu option is shown: the values can be changed.
- Use ▲/▼ buttons to select the desired mode:
  - **4CH:** pixel programs + RGB panel dimming
  - **7CH:** pixel dimming + strobe + programs/letters/numbers + RGB panel dimming
  - **13CH:** pixel dimming + strobe + programs/letters/numbers + speed + RGB panel dimming
  - **43CH:** individual pixel dimming + programs/letters/numbers + individual panel RGB dimming
  - **48CH:** individual pixel dimming + pixel master dimming + strobe + programs + speed + individual panel RGB dimming
- Once the correct option shows on the display, press the [ENTER] button to save it.
- Press the [MENU] button for 2 seconds to leave the setup menu.

### **[SHOW MODE PIX]**

#### **Used to set the pixel show mode.**

Press the [MENU] or ▲/▼ buttons until "SHOW MODE PIX" is shown on the display.

- Press the [ENTER] button: the last selected show mode will be shown.
- Use ▲/▼ buttons to change the show [(Show0, Show1,...Show8)].
- Press the [ENTER] button to confirm the desired show.
- Press the [MENU] button for 2 seconds to leave the setup menu.

### **[SHOW MODE RGB]**

#### **Used to set the RGB panel show mode.**

Press the [MENU] or ▲/▼ buttons until "SHOW MODE RGB" is shown on the display.

- Press the [ENTER] button: the last selected show mode will be shown.
- Use ▲/▼ buttons to change the show [(Show0, Show1, Show2, Show3, Show 4)].
- Press the [ENTER] button to confirm the desired show.
- Press the [MENU] button for 2 seconds to leave the setup menu.

### **[MANUAL MODE]**

#### **Used to set the projector to a fixed mode (letter or number).**

- Press the [MENU] or ▲/▼ buttons until [MANUAL MODE] is showing on the display.
- Press the [ENTER] button: [Letter] or [Number] appears.
- Use ▲/▼ buttons to select the desired mode: [Letter] or [Number]
- Press the [ENTER] button to confirm the selected mode and change the value.
  - Letter : from A to Z
  - Number : from 0 to 9

- Press [ENTER] to confirm the selected value.
- Press [MENU] to leave this mode.
- Press the [MENU] button for 2 seconds to leave the setup menu.

**[SOUND MODE]**

**Used to set the projector to standalone sound mode with different chases playing in endless loops.**

- Press the [MENU] or ▲/▼ buttons until "SOUND MODE" is shown on the display.
- Press the [ENTER] button: [On] or [Off] will start blinking.
- Press the ▲/▼ buttons to select the desired mode:
  - [On] : fixture will operate sound activated.
  - [Off] : fixture will operate at fixed speed.
- Press the [ENTER] button to select the desired mode.
- Press the [MENU] button for 2 seconds to leave the setup menu.

**[SOUND SENS]**

**Used to set the sensitivity of the internal microphone.**

- Press the [MENU] or ▲/▼ buttons until [SOUND SENS] is showing on the display.
- Press the [ENTER] button: the value starts blinking and can be changed.
- Use ▲/▼ buttons to selected the desired value: 0-100
- Press the [ENTER] button to select the desired value. The selected value stops blinking.
- Press the [MENU] button for 2 seconds to leave the setup menu.

**[BLACKOUT PIXELS]**

**Used to set the pixel mode (ON or OFF) when no DMX signal is present.**

- Press the [MENU] or ▲/▼ buttons until [BLACKOUT PIXELS] is showing on the display.
- Press the [ENTER] button: [Yes] or [No] will start blinking.
- Use ▲/▼ buttons to select the desired mode:
  - [Yes] : white pixels will work if no DMX signal is present.
  - [No] : white pixels will not work if no DMX signal is present.
- Press the [ENTER] button to select the desired value. The selected value stops blinking.
- Press the [MENU] button for 2 seconds to leave the setup menu.

**[BLACKOUT RGB PAN]**

**Used to set the RGB panel mode (ON or OFF) when no DMX signal is present.**

- Press the [MENU] or ▲/▼ buttons until [BLACKOUT RGB PAN] is showing on the display.
- Press the [ENTER] button: [Yes] or [No] will start blinking.
- Use ▲/▼ buttons to select the desired mode:
  - [Yes] : the RGB panels will work if no DMX signal is present.
  - [No] : the RGB panels will not work if no DMX signal is present.
- Press the [ENTER] button to select the desired value. The selected value stops blinking.
- Press the [MENU] button for 2 seconds to leave the setup menu.

**[BACK LIGHT]**

**Used to set the back light of the display.**

- Press the [MENU] or ▲/▼ buttons until [BACK LIGHT] is showing on the display.
- Press the ▲/▼ buttons to select the desired mode:
  - [On] : the display will stay on.
  - [Off] : the display will turn off after some time. (+/- 1 min.)
- Press the [ENTER] button to select the desired mode.
- Press the [MENU] button for 2 seconds to leave the setup menu.

**[AUTO TEST]**

**Used to run a selftest on the fixture.**

- Press the [MENU] or ▲/▼ buttons until [AUTO TEST] is showing on the display.
- Press the [ENTER] button: [Test...] starts blinking. The fixture runs a continuous test.
- Press the [ENTER] or [MENU] button to stop the test.
- Press the [MENU] button for 2 seconds to leave the setup menu.

**[LOAD DEFAULTS]**

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

- Press the [MENU] button until [LOAD DEFAULTS] is showing on the display.
- Press the [ENTER] button: [Yes] or [No] will start blinking.
- Use ▲/▼ buttons to select the desired mode:
  - [Yes] : the fixture will load the default (factory) settings.
  - [No] : the fixture will keep the customized settings.
- Press the [ENTER] button to select the desired value. The selected value stops blinking.
- Press the [MENU] button for 2 seconds to leave the setup menu.

**[FIXTURE TIME]**

**Shows the number of hours the fixture has worked.**

- Press the [MENU] or ▲/▼ buttons until [FIXTURE TIME] is showing on the display.
- Press the [ENTER] button to show the number of hours the fixture has been used.
- Press the [MENU] button to stop showing the number of hours.
- Press the [MENU] button for 2 seconds to leave the setup menu.

**[FIRMWARE VERSION]**

**Used to show the current version of the firmware.**

- Press the [MENU] or ▲/▼ buttons until the [FIRMWARE VERSION] is showing on the display.
- Press the [ENTER] button : shows the installed firmware version.

The firmware of this unit can be upgraded using the Briteq Firmware Updater (order code : 4319) with Windows® software. More information about this can be found in the user manual of the Firmware Updater and / or our website: [www.briteq-lighting.com](http://www.briteq-lighting.com)

## 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.

**STANDALONE WITH BUILT-IN CHASES:**

Use this function when you want an instant show on only 1 panel.

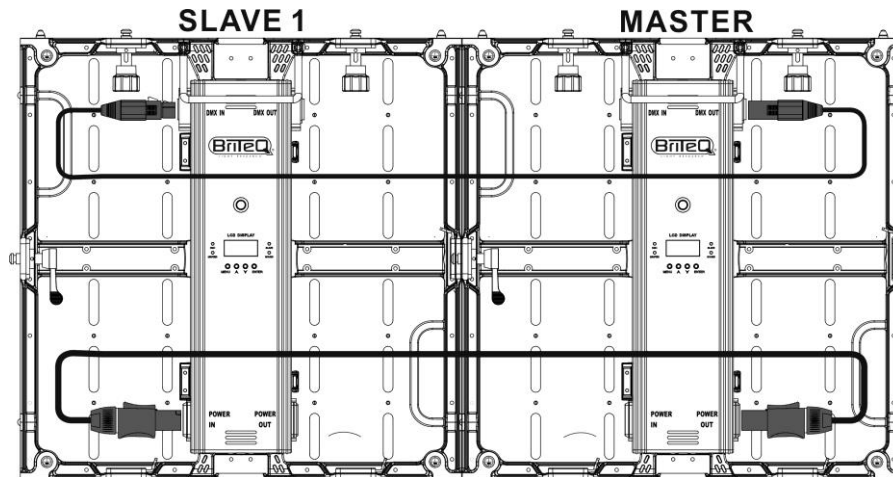
- Connect the panel to the mains.
- Select one of the following modes in the setup menu:
  - **SHOW MODE PIX:** select this mode to control the show of the white leds. (see setup menu)
  - **SHOW MODE RGB:** select this mode to control the show of the RGB panels. (see setup menu)
  - **SOUND MODE:** select this mode to run the above selected shows to the rhythm of the music (ON) or with fixed speed (OFF)

**STANDALONE MASTER/SLAVE WITH BUILT-IN SHOWS:**

Use this function when you want an instant show on 2 or more fixtures.

By linking the units in master/slave connection, the first unit will control the other units to show a synchronized automatic or sound activated light show.

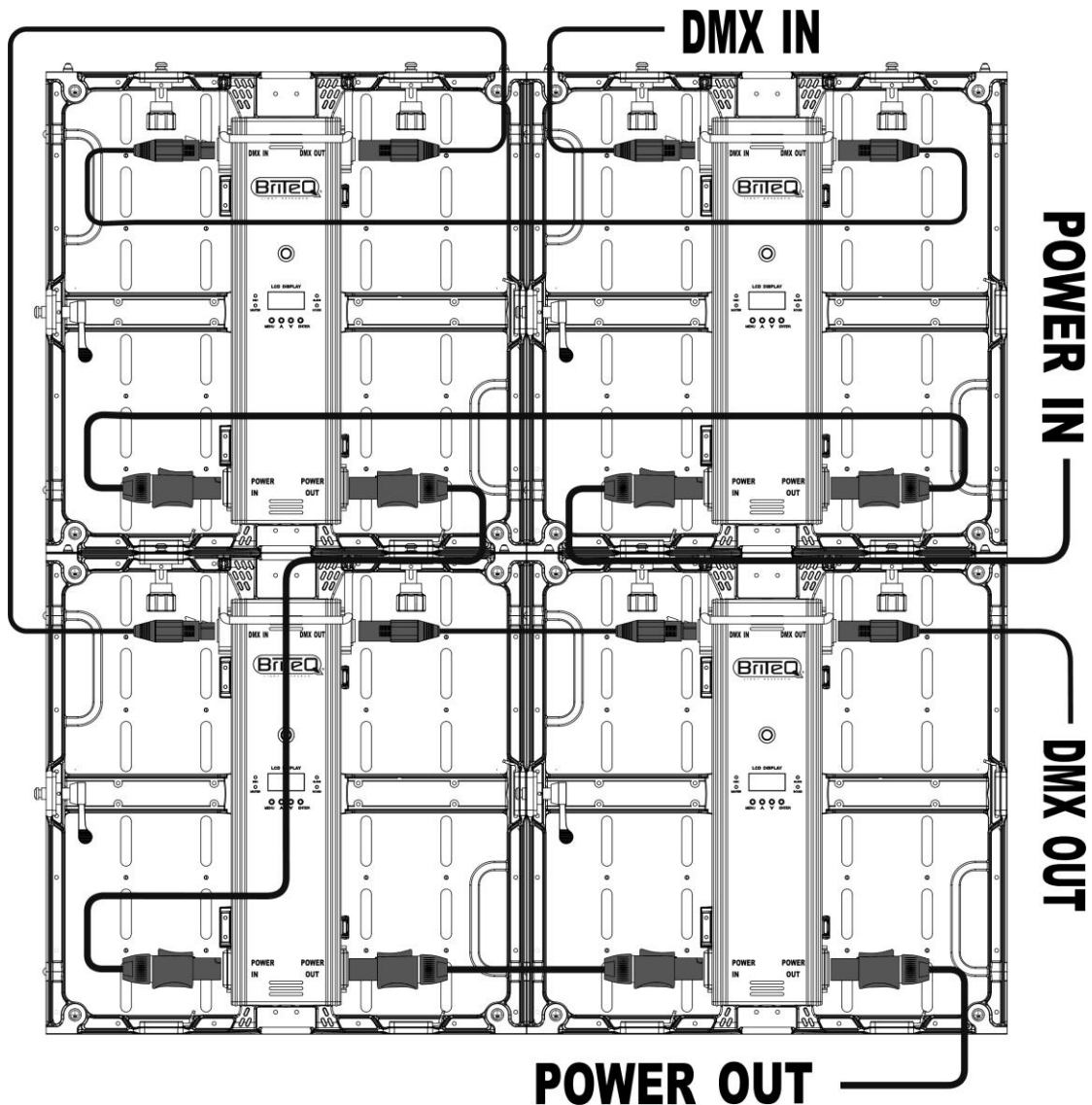
- Connect the panels as shown in the drawing below
- The first unit will start running its selected show.
- The connected panel (or panels) will be set as SLAVE automatically.



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

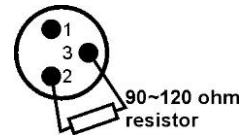
Use this function when you want to control the projectors by any DMX controller.

- Connect the projectors as shown in the drawing below.
- 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.



**DMX CHARTS****4CH Mode :**

DMX Channel	DMX-value	function	remarks
1	000-007	Blackout	
	008-037	Program 1	
	038-067	Program 2	
	068-097	Program 3	
	098-127	Program 4	
	128-157	Program 5	
	158-187	Program 6	
	188-217	Program 7	
	218-247	Program 8	
	248-255	Program 9	
2	000-255	Red color dimmer 0-100%	
3	000-255	Green color dimmer 0-100%	
4	000-255	Blue color dimmer 0-100%	

**7CH Mode :**

DMX Channel	DMX-value	function	remarks
1	000-007	Blackout	
	008-067	White Pixels full on	
<b>Channel 1 = 068 to 127</b>			
2	000-007	Blackout	
	008-015	Program 1	
	016-023	Program 2	

	024-031	Program 3	
	032-039	Program 4	
	040-047	Program 5	
	048-055	Program 6	
	056-063	Program 7	
	064-071	Program 8	
	072-079	Program 9	
	080-087	Program 10	
	088-095	Program 11	
	096-103	Program 12	
	104-111	Program 13	
	112-119	Program 14	
	120-127	Program 15	
	128-135	Program 16	
	136-143	Program 17	
	144-151	Program 18	
	152-159	Program 19	
	160-167	Program 20	
	168-175	Program 21	
	176-183	Program 22	
	184-191	Program 23	
	192-199	Program 24	
	200-207	Program 25	
	208-215	Program 26	
	216-223	Program 27	
	224-231	Program 28	
	232-239	Program 29	
	240-247	Program 30	
	248-255	Program 1 - 30 Random	
<b>Channel 1 = 128 to 187</b>			
<b>2</b>	000-015	Blackout	
	016-035	Number "0"	
	036-055	Number "1"	
	056-075	Number "2"	
	076-095	Number "3"	
	096-115	Number "4"	
	116-135	Number "5"	
	136-155	Number "6"	
	156-175	Number "7"	
	176-195	Number "8"	
	196-215	Number "9"	


	216-235	Count from "0" to "9" (slow->fast)	
	236-255	Count from "9" to "0" (slow->fast)	
<b>Channel 1 = 188 to 247</b>			
<b>2</b>	000-021	Blackout	
	022-030	Letter "A"	
	031-039	Letter "B"	
	040-048	Letter "C"	
	049-057	Letter "D"	
	058-066	Letter "E"	
	067-075	Letter "F"	
	076-084	Letter "G"	
	085-093	Letter "H"	
	094-102	Letter "I"	
	103-111	Letter "J"	
	112-120	Letter "K"	
	121-129	Letter "L"	
	130-138	Letter "M"	
	139-147	Letter "N"	
	148-156	Letter "O"	
	157-165	Letter "P"	
	166-174	Letter "Q"	
	175-183	Letter "R"	
	184-192	Letter "S"	
	193-201	Letter "T"	
	202-210	Letter "U"	
	211-219	Letter "V"	
	220-228	Letter "W"	
	229-237	Letter "X"	
	238-246	Letter "Y"	
	247-255	Letter "Z"	
<b>3</b>	000-255	White Pixel Master Dimmer 0-100%	
<b>4</b>	000-007	Blackout	
	008-131	Strobe (Slow->Fast)	
	132-139	Full on	
	140-181	Ramp up effect (slow  fast)	
	182-231	Ramp down effect (slow  fast)	
	232-239	Full on	
	240-247	Strobe Sound triggered	
	248-255	Full on	
<b>5</b>	000-255	Red color dimmer 0-100%	
<b>6</b>	000-255	Green color dimmer 0-100%	

7	000-255	Blue color dimmer 0-100%	
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**13CH Mode :**

DMX Channel	DMX-value	function	remarks
1	000-255	White Pixel 1-6 Dimmer 0-100%	
2	000-255	White Pixel 7-12 Dimmer 0-100%	
3	000-255	White Pixel 13-18 Dimmer 0-100%	
4	000-255	White Pixel 19-24 Dimmer 0-100%	
5	000-255	White Pixel 25-30 Dimmer 0-100%	
6	000-255	White Pixel 31-36 Dimmer 0-100%	
7	000-044	Blackout	
	045-067	White Pixels full on	
	068-247	Blackout	
	248-255	Sound activated show	
<b>Channel 7 = 068 to 127</b>			
8	000-007	Blackout	
	008-015	Program 1	
	016-023	Program 2	
	024-031	Program 3	
	032-039	Program 4	
	040-047	Program 5	
	048-055	Program 6	
	056-063	Program 7	
	064-071	Program 8	
	072-079	Program 9	
	080-087	Program 10	
	088-095	Program 11	
	096-103	Program 12	
	104-111	Program 13	
	112-119	Program 14	
	120-127	Program 15	
	128-135	Program 16	
	136-143	Program 17	
	144-151	Program 18	
	152-159	Program 19	
	160-167	Program 20	
	168-175	Program 21	
	176-183	Program 22	
	184-191	Program 23	
	192-199	Program 24	

	200-207	Program 25	
	208-215	Program 26	
	216-223	Program 27	
	224-231	Program 28	
	232-239	Program 29	
	240-247	Program 30	
	248-255	Program 1 - 30 Random	
<b>Channel 7 = 128 to 187</b>			
8	000-015	Blackout	
	016-035	Number "0"	
	036-055	Number "1"	
	056-075	Number "2"	
	076-095	Number "3"	
	096-115	Number "4"	
	116-135	Number "5"	
	136-155	Number "6"	
	156-175	Number "7"	
	176-195	Number "8"	
	196-215	Number "9"	
	216-235	Count from "0" to "9" (slow->fast)	
	236-255	Count from "9" to "0" (slow->fast)	
<b>Channel 7 = 188 to 247</b>			
8	000-021	Blackout	
	022-030	Letter "A"	
	031-039	Letter "B"	
	040-048	Letter "C"	
	049-057	Letter "D"	
	058-066	Letter "E"	
	067-075	Letter "F"	
	076-084	Letter "G"	
	085-093	Letter "H"	
	094-102	Letter "I"	
	103-111	Letter "J"	
	112-120	Letter "K"	
	121-129	Letter "L"	
	130-138	Letter "M"	
	139-147	Letter "N"	
	148-156	Letter "O"	
	157-165	Letter "P"	
	166-174	Letter "Q"	
	175-183	Letter "R"	



	184-192	Letter "S"	
	193-201	Letter "T"	
	202-210	Letter "U"	
	211-219	Letter "V"	
	220-228	Letter "W"	
	229-237	Letter "X"	
	238-246	Letter "Y"	
	247-255	Letter "Z"	
<b>9</b>	000-255	White Pixel Master Dimmer 0-100%	
<b>10</b>	000-007	Blackout	
	008-131	Strobe (Slow->Fast)	
	132-139	Full on	
	140-181	Ramp up effect (slow  fast)	
	182-231	Ramp down effect (slow  fast)	
	232-239	Full on	
	240-247	Strobe Sound triggered	
	248-255	Full on	
<b>11</b>	000-255	Red color dimmer 0-100%	
<b>12</b>	000-255	Green color dimmer 0-100%	
<b>13</b>	000-255	Blue color dimmer 0-100%	

**43CH Mode :**

DMX Channel	DMX-value	function	remarks
<b>1</b>	000-255	Pixel 1 dimmer 0-100%	
<b>2</b>	000-255	Pixel 2 dimmer 0-100%	
<b>3</b>	000-255	Pixel 3 dimmer 0-100%	
<b>4</b>	000-255	Pixel 4 dimmer 0-100%	
<b>5</b>	000-255	Pixel 5 dimmer 0-100%	
<b>6</b>	000-255	Pixel 6 dimmer 0-100%	
<b>7</b>	000-255	Pixel 7 dimmer 0-100%	
<b>8</b>	000-255	Pixel 8 dimmer 0-100%	
<b>9</b>	000-255	Pixel 9 dimmer 0-100%	
<b>10</b>	000-255	Pixel 10 dimmer 0-100%	
<b>11</b>	000-255	Pixel 11 dimmer 0-100%	
<b>12</b>	000-255	Pixel 12 dimmer 0-100%	
<b>13</b>	000-255	Pixel 13 dimmer 0-100%	
<b>14</b>	000-255	Pixel 14 dimmer 0-100%	
<b>15</b>	000-255	Pixel 15 dimmer 0-100%	
<b>16</b>	000-255	Pixel 16 dimmer 0-100%	
<b>17</b>	000-255	Pixel 17 dimmer 0-100%	

18	000-255	Pixel 18 dimmer 0-100%	
19	000-255	Pixel 19 dimmer 0-100%	
20	000-255	Pixel 20 dimmer 0-100%	
21	000-255	Pixel 21 dimmer 0-100%	
22	000-255	Pixel 22 dimmer 0-100%	
23	000-255	Pixel 23 dimmer 0-100%	
24	000-255	Pixel 24 dimmer 0-100%	
25	000-255	Pixel 25 dimmer 0-100%	
26	000-255	Pixel 26 dimmer 0-100%	
27	000-255	Pixel 27 dimmer 0-100%	
28	000-255	Pixel 28 dimmer 0-100%	
29	000-255	Pixel 29 dimmer 0-100%	
30	000-255	Pixel 30 dimmer 0-100%	
31	000-255	Pixel 31 dimmer 0-100%	
32	000-255	Pixel 32 dimmer 0-100%	
33	000-255	Pixel 33 dimmer 0-100%	
34	000-255	Pixel 34 dimmer 0-100%	
35	000-255	Pixel 35 dimmer 0-100%	
36	000-255	Pixel 36 dimmer 0-100%	
37	000-007	Blackout	
	045-067	White Pixels full on	
	068-247	Blackout	
	248-255	Sound activated show	
<b>Channel 37 = 068 to 127</b>			
38	000-007	Blackout	
	008-015	Program 1	
	016-023	Program 2	
	024-031	Program 3	
	032-039	Program 4	
	040-047	Program 5	
	048-055	Program 6	
	056-063	Program 7	
	064-071	Program 8	
	072-079	Program 9	
	080-087	Program 10	
	088-095	Program 11	
	096-103	Program 12	
	104-111	Program 13	
	112-119	Program 14	
	120-127	Program 15	
	128-135	Program 16	

	136-143	Program 17	
	144-151	Program 18	
	152-159	Program 19	
	160-167	Program 20	
	168-175	Program 21	
	176-183	Program 22	
	184-191	Program 23	
	192-199	Program 24	
	200-207	Program 25	
	208-215	Program 26	
	216-223	Program 27	
	224-231	Program 28	
	232-239	Program 29	
	240-247	Program 30	
	248-255	Program 1 - 30 Random	
<b>Channel 37 = 128 to 187</b>			
<b>38</b>	000-015	Blackout	
	016-035	Number "0"	
	036-055	Number "1"	
	056-075	Number "2"	
	076-095	Number "3"	
	096-115	Number "4"	
	116-135	Number "5"	
	136-155	Number "6"	
	156-175	Number "7"	
	176-195	Number "8"	
	196-215	Number "9"	
	216-235	Count from "0" to "9" (slow->fast)	
	236-255	Count from "9" to "0" (slow->fast)	
<b>Channel 37 = 188 to 247</b>			
<b>38</b>	000-021	Blackout	
	022-030	Letter "A"	
	031-039	Letter "B"	
	040-048	Letter "C"	
	049-057	Letter "D"	
	058-066	Letter "E"	
	067-075	Letter "F"	
	076-084	Letter "G"	
	085-093	Letter "H"	
	094-102	Letter "I"	
	103-111	Letter "J"	

	112-120	Letter "K"	
	121-129	Letter "L"	
	130-138	Letter "M"	
	139-147	Letter "N"	
	148-156	Letter "O"	
	157-165	Letter "P"	
	166-174	Letter "Q"	
	175-183	Letter "R"	
	184-192	Letter "S"	
	193-201	Letter "T"	
	202-210	Letter "U"	
	211-219	Letter "V"	
	220-228	Letter "W"	
	229-237	Letter "X"	
	238-246	Letter "Y"	
	247-255	Letter "Z"	
<b>39</b>	000-255	White Pixel Master Dimmer 0-100%	
<b>40</b>	000-007	Blackout	
	008-131	Strobe (Slow->Fast)	
	132-139	Full on	
	140-181	Ramp up effect (slow  fast)	
	182-231	Ramp down effect (slow  fast)	
	232-239	Full on	
	240-247	Strobe Sound triggered	
	248-255	Full on	
<b>41</b>	000-255	Red color dimmer 0-100%	
<b>42</b>	000-255	Green color dimmer 0-100%	
<b>43</b>	000-255	Blue color dimmer 0-100%	

**48CH Mode :**

DMX Channel	DMX-value	function	remarks
<b>1</b>	000-255	Pixel 1 dimmer 0-100%	
<b>2</b>	000-255	Pixel 2 dimmer 0-100%	
<b>3</b>	000-255	Pixel 3 dimmer 0-100%	
<b>4</b>	000-255	Pixel 4 dimmer 0-100%	
<b>5</b>	000-255	Pixel 5 dimmer 0-100%	
<b>6</b>	000-255	Pixel 6 dimmer 0-100%	
<b>7</b>	000-255	Pixel 7 dimmer 0-100%	
<b>8</b>	000-255	Pixel 8 dimmer 0-100%	
<b>9</b>	000-255	Pixel 9 dimmer 0-100%	

10	000-255	Pixel 10 dimmer 0-100%	
11	000-255	Pixel 11 dimmer 0-100%	
12	000-255	Pixel 12 dimmer 0-100%	
13	000-255	Pixel 13 dimmer 0-100%	
14	000-255	Pixel 14 dimmer 0-100%	
15	000-255	Pixel 15 dimmer 0-100%	
16	000-255	Pixel 16 dimmer 0-100%	
17	000-255	Pixel 17 dimmer 0-100%	
18	000-255	Pixel 18 dimmer 0-100%	
19	000-255	Pixel 19 dimmer 0-100%	
20	000-255	Pixel 20 dimmer 0-100%	
21	000-255	Pixel 21 dimmer 0-100%	
22	000-255	Pixel 22 dimmer 0-100%	
23	000-255	Pixel 23 dimmer 0-100%	
24	000-255	Pixel 24 dimmer 0-100%	
25	000-255	Pixel 25 dimmer 0-100%	
26	000-255	Pixel 26 dimmer 0-100%	
27	000-255	Pixel 27 dimmer 0-100%	
28	000-255	Pixel 28 dimmer 0-100%	
29	000-255	Pixel 29 dimmer 0-100%	
30	000-255	Pixel 30 dimmer 0-100%	
31	000-255	Pixel 31 dimmer 0-100%	
32	000-255	Pixel 32 dimmer 0-100%	
33	000-255	Pixel 33 dimmer 0-100%	
34	000-255	Pixel 34 dimmer 0-100%	
35	000-255	Pixel 35 dimmer 0-100%	
36	000-255	Pixel 36 dimmer 0-100%	
37	000-255	Red color dimmer 0-100%	<b>Panel 1</b>
38	000-255	Green color dimmer 0-100%	
39	000-255	Blue color dimmer 0-100%	
40	000-255	Red color dimmer 0-100%	<b>Panel 2</b>
41	000-255	Green color dimmer 0-100%	
42	000-255	Blue color dimmer 0-100%	
43	000-255	Red color dimmer 0-100%	<b>Panel 3</b>
44	000-255	Green color dimmer 0-100%	
45	000-255	Blue color dimmer 0-100%	
46	000-255	Red color dimmer 0-100%	<b>Panel 4</b>
47	000-255	Green color dimmer 0-100%	
48	000-255	Blue color dimmer 0-100%	

## 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

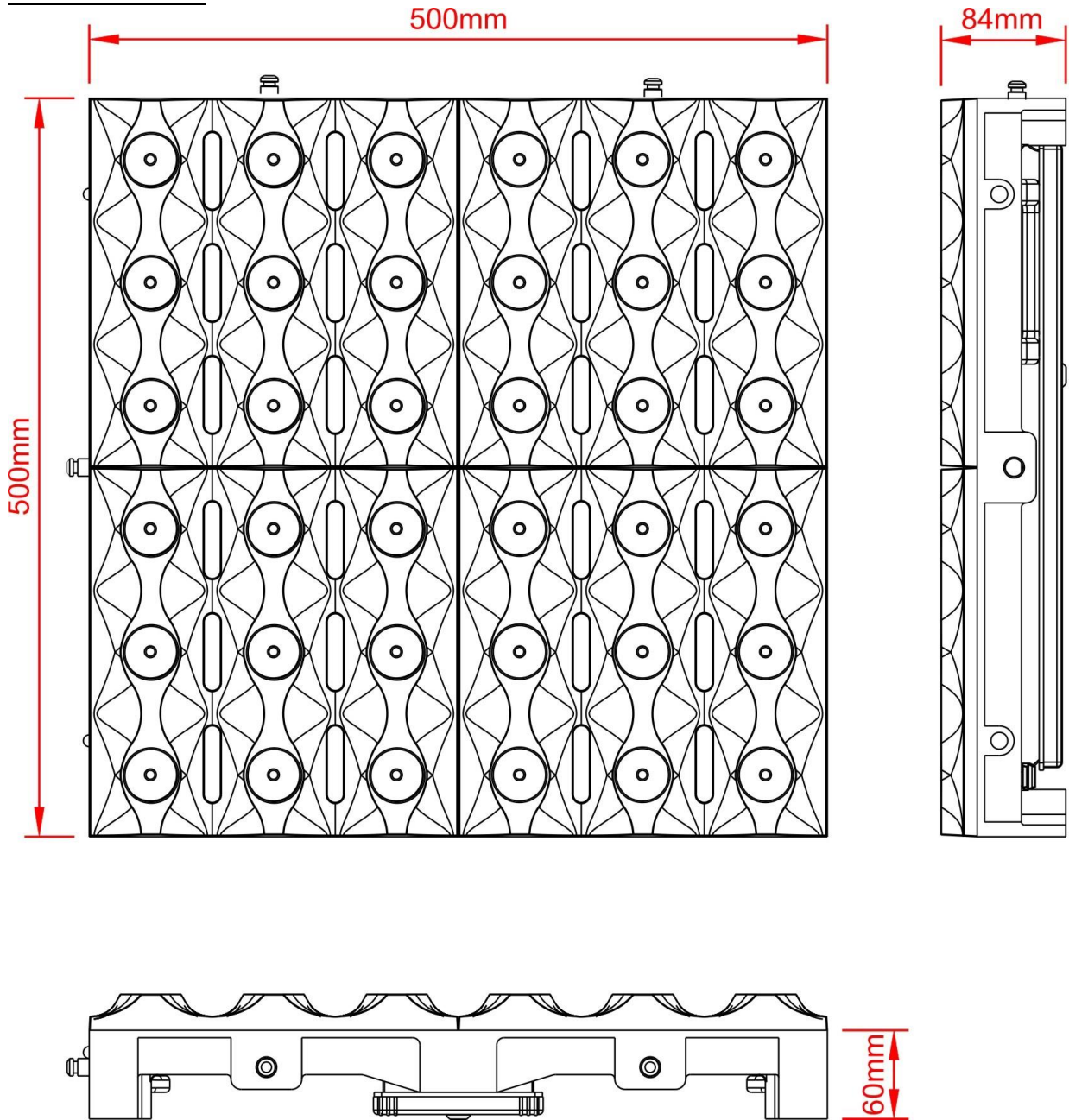
This unit is radio-interference suppressed. This product meets the requirements of the current European and national guidelines. Conformity has been established and the relevant statements and documents have been deposited by the manufacturer.

<b>Mains Input:</b>	AC 100V - 240V, 50/60Hz
<b>Power consumption:</b>	190 Watt max.
<b>Fuse:</b>	250V T6,3A (20mm glass)
<b>Sound Control:</b>	Internal microphone
<b>DMX connections:</b>	3pin XLR male / female
<b>DMX channels used:</b>	5 modes (4, 7, 13, 43, 48CH)
<b>Lamp:</b>	36x 3W WW (2700 – 3000K) CREE leds – 144x 0,5W SMD RGB leds
<b>Size:</b>	50x50x8,4cm
<b>Weight:</b>	8,5 kg

**The information might be modified without prior notice**

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**DIMENSIONS**











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