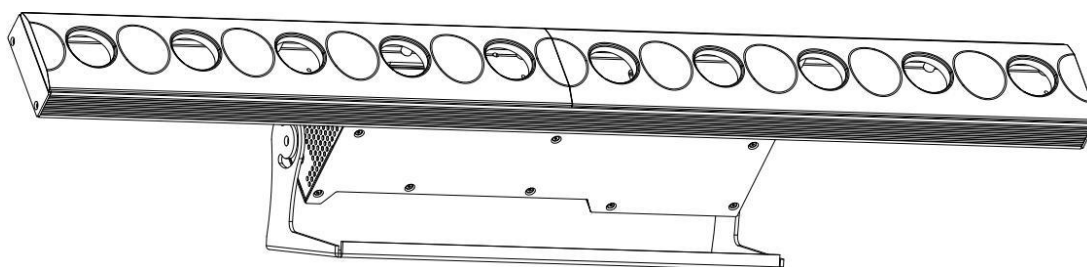


Led 2In1 Pixel-Mapping Matrix Bar™

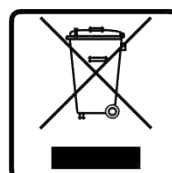
Version:1.0



ENGLISH Operation Manual



DMX



For your own safety, please read this user manual carefully
before your initial start-up!



Operation Manual:

Thank you for buying this Led 2In1 Pixel-Mapping Matrix Bar™ 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:

- 1.The unit is equipped with 10PcsX3W CREE leds (2600K WW), in combination with 60Pcs 5050SMD RGB Leds.Each leds can be controlled alone
- 2.Excellent built-in programs for wonderful, ever changing, light shows.
- 3.Excellent RGB color consistency while dimming down to 0%
- 4.Completely silent operation, natural convection cooling system.
- 5.All shows work in standalone, master/slave/Art-Net/Kling-Net/Sound Control or DMX.
- 6.2 different DMX channel modes for different applications :.
- 7.Backlit alphanumeric 2x 16character LCD-display for easy menu navigation
- 8.ProCON in/outputs: easy daisy chaining of several units.
- 9.3/5pin XLR DMX in/outputs.
10. RJ45 In/out
11. High efficiency and low power consumption!
12. The multifunctional bracket, designed for both floor and truss mounting, is prepared to fix optional omega clamps.

Before Use:

- Before you start using this unit, please check if there is 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:

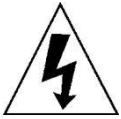
- Operating instructions*1
- Led Pixel-Mapping Matrix bar *1
- Power Cable&DMX cable *1

**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 alerts the use 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 alerts the user to the presence of important operation and maintenance(servicing) instructions in the literature accompanying this appliance.

**FOR IN DOOR USE ONLY**

This symbol means: the minimum distance from lighted objects. The minimum distance between light-output and the illuminated surface must be more than 1 meters



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

LED Expected Lifespan

LEDs gradually decline in brightness over time. HEAT is the dominant factor that leads to the acceleration of this decline. Packaged in clusters, LEDs exhibit higher operating temperatures than in ideal or singular optimum conditions. For this reason, when all color LEDs are used at their fullest intensity, life of the LEDs is significantly reduced. If improving the lifespan is of higher priority, place care in providing for lower operational temperatures. This may include climatic-environmental and the reduction of overall projection intensity.

**CAUTION!**

**Keep this device away from rain and moisture!
Unplug mains lead before opening the housing!**

**Safety Instructions**

Every person involved with the installation, operation and maintenance of this device has to:

- Be qualified
- Follow the instructions of this manual



**CAUTION! Be careful with your operations.
With a dangerous voltage you can suffer
a dangerous electric shock when touching the wires!**

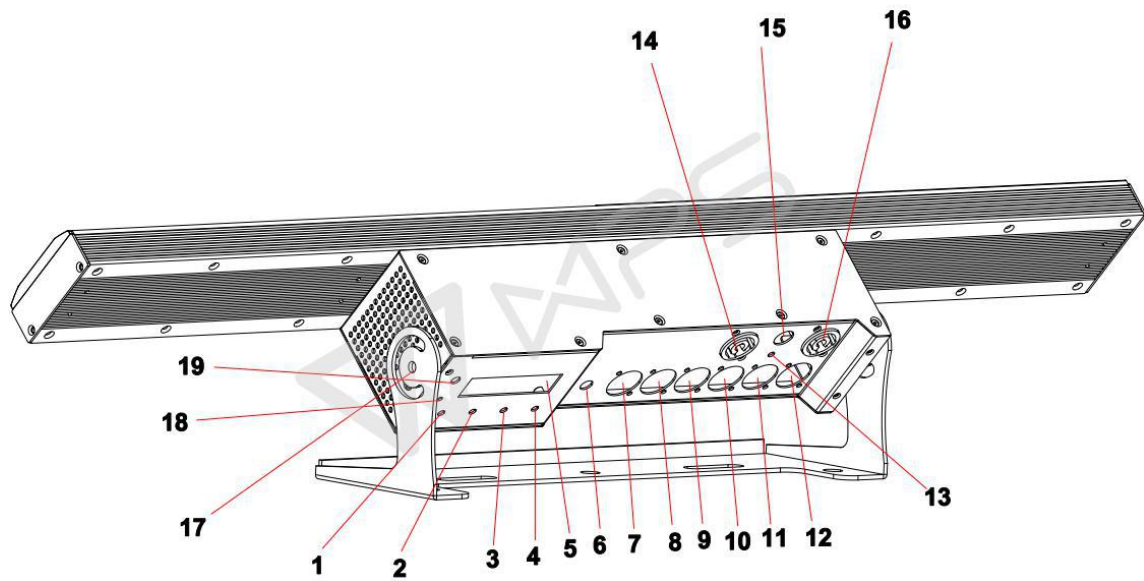


IMPORTANT:

The manufacturer will not accept liability for any resulting damages caused by the non-observance of this manual or any unauthorized modification to the device.

- 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.

Details:



1. LCD display
2. Menu
3. Enter
4. Up
5. Down
6. Safety Ring
7. DMX 3PIN IN
8. DMX 5PIN OUT
9. RJ45 IN/OUT
10. RJ45 IN/OUT
11. DMX 3PIN IN
12. DMX 5PIN OUT
13. Ground Electrode
14. Power In
15. Fuse
16. Power Out
17. Butterfly Screw
18. Indicator Light
19. MIC

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!

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 projector.

- Connect the projector to the mains.
- Select one of the following modes in the setup menu:
- Auto Mode: select this mode to control the show of the white leds.
- SOUND MODE: select this mode to run the above selected shows to the rhythm of the music

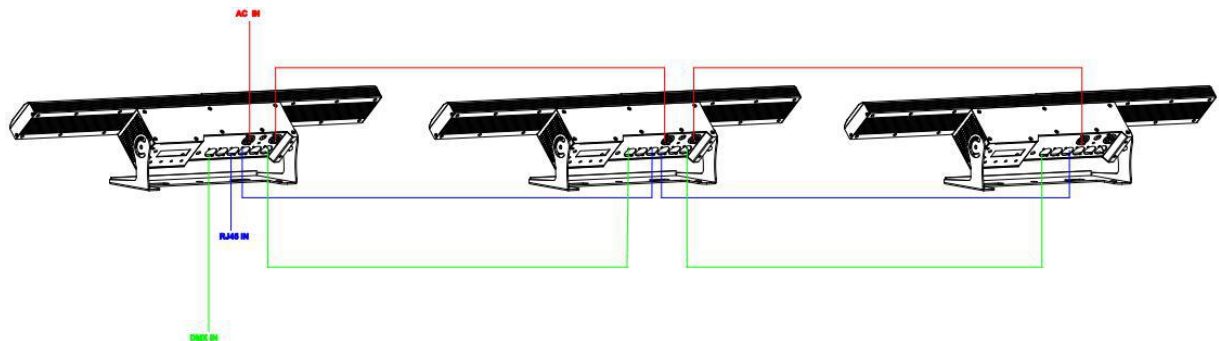
STANDALONE MASTER/SLAVE WITH BUILT-IN CHASES:

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

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.

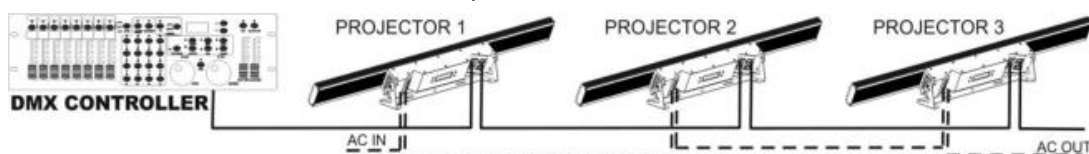
- Connect the projectors as shown in the drawing below
- The first projector will start running its selected show.
- The connected projector (or projectors) will be set as SLAVE automatically.



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



DMX CHART:

9CH Model

Dmx Channel	Value	Function	Remarks
1	0-255	Dimmer	Dimmer for all
2	0-255	Strobe	Strobe for all
3	0-255	Red for smd5050	
4	0-255	Green for smd5050	
5	0-255	Blue for smd5050	
6	0-255	White for cree 3W led	
7	0-255	Build-in effects	Effects 1-15
8	0-255	Build-in effects	16-30 Value:238-255 Auto run(from 1-29)
9	0-255	Speed for build-in effects	Slow to fast

190CH Model

Dmx Channel	Value	Function	Remaks
1-10	0-255	Cree 3W Leds	Dimmer for each Cree 3W leds
11-190	0-255	Dimmer for each color of smd 5050	In total,60pcs SMD5050,each led has 3 colors,60x3color=180CH,Plus10pcs 3W Cree leds=190Ch

MAINTENANCE

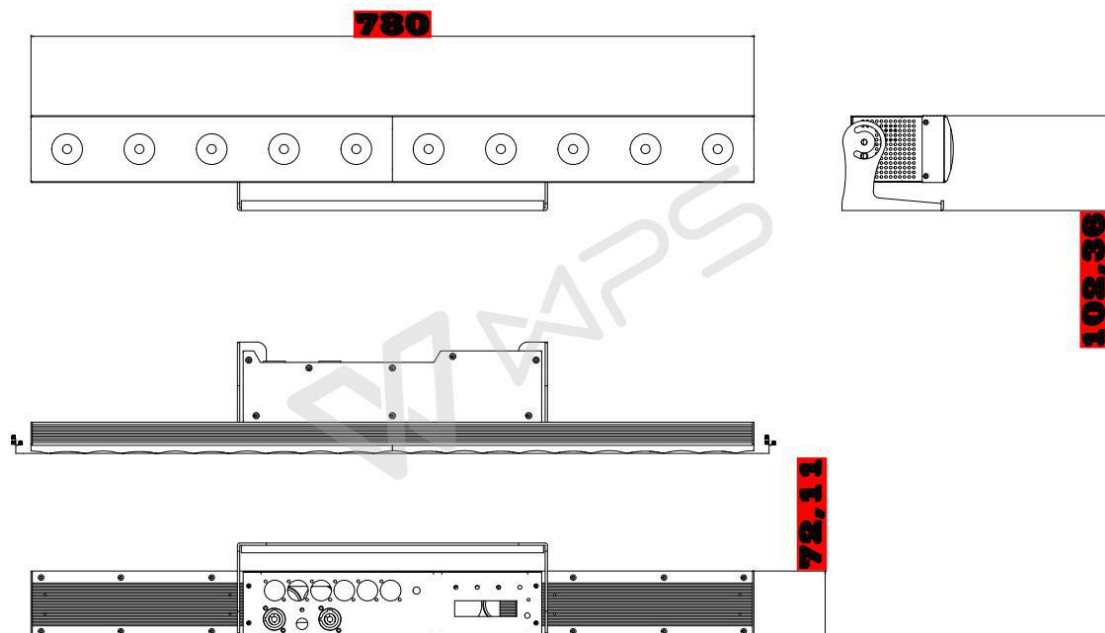
- Make sure the area below the installation place is free from unwanted persons during servicing.
- Switch off the unit, unplug the mains cable and wait until the unit has been cooled down. During inspection the following points should be checked:
 - All screws used for installing the device and any 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:

Led 2in1 Pixel Matrix Bar:

- ✓ Input: 110V-240V 50/60HZ
- ✓ PSU spec.: 6V*13.3A 80W
- ✓ Total Power: 50W
Led light source :
 - ✓ CREE(Brand) Warm White 3W*10PCS + LEDMAN(Brand) SMD5050 RGB 0.3W*60pcs
- ✓ Color temperature : 2600K (Cree Led)
- ✓ FUSE : F1.5A / 250V
- ✓ Control : Auto,DMX,ARTNET,KLINGNET, RDM
- ✓ DMX Channel : 9CH / 190CH
- ✓ Product physical size : 780x103x72mm
- ✓ Weight 3.6KG



The information might be modified without prior notice!