

N-E Color Wall Panel

User Manual



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MEGA **LITE**

Check that the unit has not been damaged during transport



Read all cautions and warnings
prior to operation of this
equipment

Protection Against Fire



Fire

1. Maintain a minimum of 1 foot distance from any type of flame.
3. Replace fuse only with the specified type and rating.
4. Do Not install the unit too close to a heat source.
5. Make sure cables are properly secured away from unit movement.
6. Maximum surface operating temperature 80°.

Protection Against Fire



Electrical

1. Disconnect power before servicing.
2. For connection to main power supply proceed to page 5.
3. This unit must be earthed. (electronically grounded)
4. Do not expose unit to rain or moisture.

Protection Against Mechanical Hazards



Mechanical

1. Use safety chain when hanging unit.
2. Secure the plastic cover when hanging the light on ceiling.
3. Use quality clamps or bolts when positioning unit
4. Do not open unit while it is on, risk of electrical shock.

Specifications

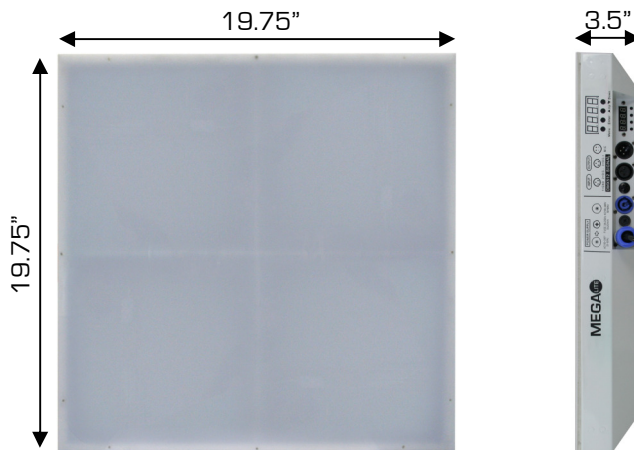
Part Numbers

Fixture

4095- N-E Color Wall Panel

Mechanical Specifications

- DMX Connectors:** 3-pin XLR connectors
- Power Connection:** Neutrix Power-Con input & output
- Thermal:** Maximum ambient temperature 40° C
Maximum surface temperature 60° C
- Display:** Digital display auto shut off for display
- Fastening System:** 5 Threaded mounting points. Cover is easily removed to be able to be wall mounted



Fixture	Packaged for Shipping
Size: 19.75"L x 19.75"W x 6"H	Size: 21.75"L x 21.75"W x 6"H
Weight: 15 lbs	Weight: 19lbs

Electrical Specifications

- LED Quantity:** 288
- Red:** 96
- Green:** 96
- Blue:** 96
- LED Size:** 5 mm
- LED Lifetime:** 60,000 to 100,000 hours
- LED Angle:** 120° (± 5°)
- Power Consumption:** Universal 100 - 240V 50/60 Hz
- Ballast:** Electronic
- Watts:** 31
- Amps:** .46

Control & Programming

- Protocol:** DMX 512
- 3 DMX Modes:**

Mode 1	5 DMX channels	Dimmer/Strobe, R,G,B, Macro full square control
Mode 2	12 DMX channels	4X R,G,B
Mode 3	17 DMX channels	4X Dimmer/Strobe, R,G,B, Macro
- Control options:** Audio-trigger
- Operating mode:** Master/Slave, Stand alone


Main Power Connection

Caution!


1. Do not connect fixture to a dimmer system.
2. This unit has Auto switching power supply. It will respond to 110V or 220V automatically
3. This unit must be earthed. (electronically grounded)
4. Replace fuse only with the specified type and rating.

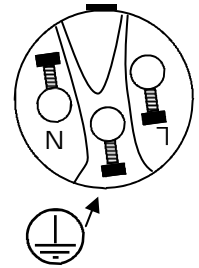
The occupation of the connection-cable is as follows:

110V Connection

Cable (USA)	Cable (EU)	Pin	Connection
Black	Brown	Live	L
White	Light Blue	Neutral	N
Green	Yellow/Green	Ground	

220V Connection

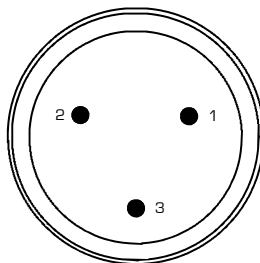
Cable (USA)	Cable (EU)	Pin	Connection
Black	Brown	Live	L
White	Light Blue	Live	N
Green	Yellow/Green	Neutral	



DMX-512 Connection

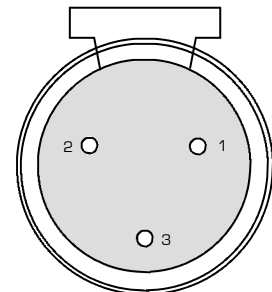
The fixture is equipped with 3 pin XLR Sockets for DMX input and output. The sockets are wired in parallel. Only use a shielded twisted pair cable designed for RS-485 and 3 pin XLR plugs and connectors in order to connect the controller with the fixture or the fixture with another.

DMX—input



1. Shield
2. Signal (-)
3. Signal (+)

DMX—output

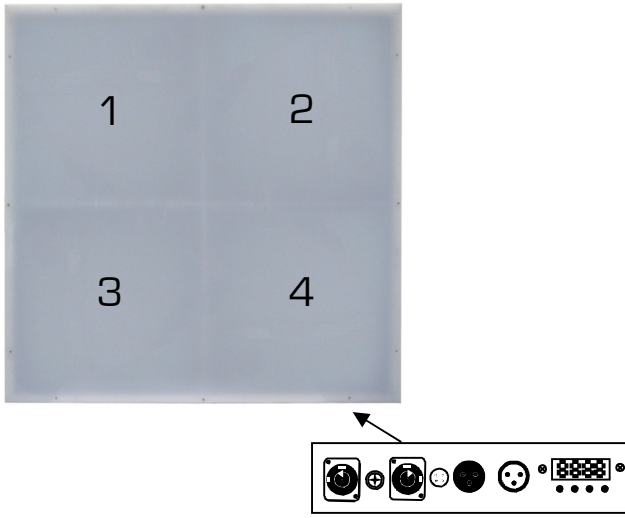


Caution!

At the last fixture the DMX signal needs to be terminated with a terminator. Solder a 120 Ohm resistor between the (-) and the (+) signal into a 3 pin XLR plug and plug it in to the last fixture on the signal run. Pre-manufactured terminator plugs are available for purchase from your Mega-Lite dealer (HOS-DMXT).

Installation

Led module orientation



Rigging the fixture

Caution!

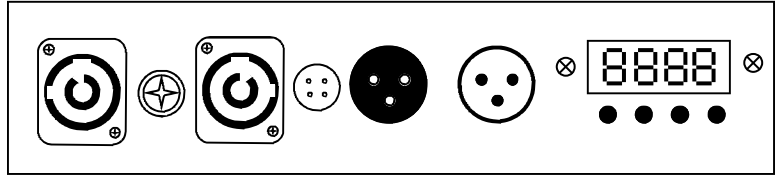
1. The installations must be carried out by an authorized dealer or trained professional.
2. Unit may cause severe injuries if you have doubts concerning the safety do not install.
3. Unit is to be 24 inches away from flammable materials (decoration material)
4. Use high quality installation equipment to hang unit.

When rigging a unit it is very important that you follow common safety procedures. Rigging requires extensive experience including but not limited to calculating working loads, material being used and periodic safety inspections. If you lack these qualifications, do not attempt the installation yourself, instead use a professional structural rigger.

When rigging the unit always be secured with a secondary safety attachment. The installation location of the projector has got to be built in the way that it can hold 10 times the weight for 1 hour with out any harming. Installation should be checked at least one time a year by a skilled person.

Main Control Menu

The control board on the fixture base is your interface to access and control all the functions on the unit. Its digital display gives you a code view of the options. The following will explain each function and its options.



Use the **Enter** button to scroll to the menu options

0001 DMX Modes

Use the **Enter** keys to select the required DMX Mode. Press **Enter** to scroll to the mode options of **A,P** and **F**. Use the **up/down** keys to select the required DMX channel. Press **Menu** to confirm.

0L-- Red LED Intensity

Use the **Enter** keys to select the required intensity of the red LED. Use the **up/down** keys to select options from 1 to 15. Press **Menu** to confirm.

9L-- Green LED Intensity

Use the **Enter** keys to select the required intensity of the green LED. Use the **up/down** keys to select options from 1 to 15. Press **Menu** to confirm.

6L-- Blue LED Intensity

Use the **Enter** keys to select the required intensity of the blue LED. Use the **up/down** keys to select options from 1 to 15. Press **Menu** to confirm.

FLAS Strobe LED Speed

Use the **Enter** keys to select the required speed of strobe. Use the **up/down** keys to select options from 1 to 15. Press **Menu** to confirm.

FADe Fade Color LED Speed

Use the **Enter** keys to select the required speed of fade color. Use the **up/down** keys to select options from 1 to 15. Press **Menu** to confirm.

ASc- Snap Color LED Speed

Use the **Enter** keys to select the required speed of snap color. Use the **up/down** keys to select options from 1 to 15. Press **Menu** to confirm.

CE-- Macro Effects

Use the **Enter** keys to select the required macro effect. Use the **up/down** keys to select options from 1 to 15. Press **Menu** to confirm.

CS-- Macro Speed

Use the **Enter** keys to select the required speed of the macro effect. Use the **up/down** keys to select options from 1 to 15. Press **Menu** to confirm.

SOUR Sound Macro Color

Use the **Enter** keys to select the required sound macro effect. Use the **up/down** keys to select options from 1 to 15. Press **Menu** to confirm.

SOUF Sound Macro Flash

Use the **Enter** keys to select the required sound flash macro effect. Use the **up/down** keys to select options from 1 to 15. Press **Menu** to confirm.

SENS Sound Sensor Sensitivity

Use the **Enter** keys to select the required sound sensor sensitivity. Use the **up/down** keys to select options from 1 to 15. Press **Menu** to confirm.

DMX Profile

N-E Color Wall Panel DMX Profile Mode A (5 Channels)

DMX Channel	Function	Description	Value
1	Dimmer All	Dimmer (0-100%)	0-152
		Strobe (slow to fast)	153-242
		Dimmer full on	243-255
2	Led Color All	Red LED intensity	0-255
3	Led Color All	Green LED intensity	0-255
4	Led Color All	Blue LED intensity	0-255
5	Macros	Macros	0-255

N-E Color Wall Panel DMX Profile Mode P (12 Channels)

DMX Channel	Function	Description	Value
1	Led Color 1	Red LED intensity	0-255
2	Led Color 1	Green LED intensity	0-255
3	Led Color 1	Blue LED intensity	0-255
4	Led Color 2	Red LED intensity	0-255
5	Led Color 2	Green LED intensity	0-255
6	Led Color 2	Blue LED intensity	0-255
7	Led Color 3	Red LED intensity	0-255
8	Led Color 3	Green LED intensity	0-255
9	Led Color 3	Blue LED intensity	0-255
10	Led Color 4	Red LED intensity	0-255
11	Led Color 4	Green LED intensity	0-255
12	Led Color 4	Blue LED intensity	0-255

N-E Color Wall Panel DMX Profile Mode F (17 Channels)

DMX Channel	Function	Description	Value
1	Dimmer 1	Dimmer (0-100%)	0-152
		Strobe (slow to fast)	153-242
		Dimmer full on	243-255
2	Led Color 1	Red LED intensity	0-255
3	Led Color 1	Green LED intensity	0-255
4	Led Color 1	Blue LED intensity	0-255
5	Dimmer 2	Dimmer (0-100%)	0-152
		Strobe (slow to fast)	153-242
		Dimmer full on	243-255
6	Led Color 2	Red LED intensity	0-255
7	Led Color 2	Green LED intensity	0-255
8	Led Color 2	Blue LED intensity	0-255
9	Dimmer 3	Dimmer (0-100%)	0-152
		Strobe (slow to fast)	153-242
		Dimmer full on	243-255
10	Led Color 3	Red LED intensity	0-255
11	Led Color 3	Green LED intensity	0-255
12	Led Color 3	Blue LED intensity	0-255
13	Dimmer 4	Dimmer (0-100%)	0-152
		Strobe (slow to fast)	153-242
		Dimmer full on	243-255
14	Led Color 4	Red LED intensity	0-255
15	Led Color 4	Green LED intensity	0-255
16	Led Color 4	Blue LED intensity	0-255
17	Macro	Macro effects	0-255

Cleaning and maintenance

Installation Maintenance: The operator has to make sure that the unit is operating safely and has the installations and electronics checked by an expert every 2 years.

The following points have to be considered during the inspection:

- 1) All screws used for installing the device or part of the device have to be tightly connected and must not be corroded.
- 2) There must not be any deformations on the housing, fixation and installation spots (ceiling, suspension, trussing).
- 3) The electronic power supply cables must not show any damages, material fatigue (e.g. porous cables) or sediments. Further instructions depending on the installation spot and usage have to be adhered by a skilled installer and any safety problems have to be removed.

Disconnect from mains before starting maintenance operation!



Caution Danger to life!

Electrical

We recommend a frequent cleaning of the device. Please use a moist, lint free cloth. Never use alcohol or solvents!

- 1) The plastic cover will require periodic cleaning on usage and environment. Environment with foggers will require more periodic cleaning as fog fluid tends to build up residues, reducing the light output.
- 2) The interior of the fixture should be cleaned using a vacuum.

Note: There is no serviceable parts inside the device except for the LED's. Maintenance and service operations are to be carried out by authorized dealers.

Replacing the fuse: Only replace the fuse with the same type and rating.

Replacing the power cable: If the power cable of this device becomes damaged, it has to be replaced by authorized dealers only in order to avoid hazards.

Should you have further questions , please contact your dealer.

Parts List

4095-case	8 N-E Color Wall Panel Road Case
4095-pcb	Main PCB Card
4095-pvc	Plastic Cover
4095-ps	Power Supply
4000-dmx	XLR Connections
4000-fh	Fuse Holder
4000-dis	Digital Display



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