ElektraLite
ElektraBar (6-in-1)
Manual
(Version 6)

ElektraLite (a division of Group One),
70, Sea Lane, Farmingdale, NY11735, U.S.A.
T. +1 (631)-396-0184. F. +1 (631)-396-0190
WWW.MYELEKTRALITE.COM

1. Unpacking

Thank you for choosing the **ElektraBar** fixture. For your own safety, please read this manual before installing the device. This manual covers important information on installation and applications. Please keep this manual for future reference.

ElektraBar wash fixture uses 12 watt 6-in-1 leds in a balanced arrangement giving incredible output.
Please unpack the **ElektraBar** carefully and check whether it was damaged in shipping.
The following item should be in the box with the fixture:-

Stands (feet) and associated hardware
1 x cable for connecting power to the fixture having an Edison plug for USA.
1 x cable for dmx input using a 5pin XLR connector
1 x safety cable
1 x dmx cable

2. Safety Instructions.

This device has left the factory in perfect condition. In order to maintain this condition and to ensure a safe operation, it is absolutely necessary for the user to follow the safety instructions and warning notes written in this user manual. **ElektraBar** is a high voltage fixture. Be careful when dealing with high voltages.
Please read this manual. If you do not read this manual and damages occur to the ElektraBar, then it could void the warranty.
The electric connection must carry out by a qualified person and it is absolutely essential that the **ElektraBar** be **grounded**. So under no circumstances break off the ground pin on the Edison plug or use the fixture where a ground is not present. A ground pin, is there for safety.

Always disconnect the **ElektraBar** from the power source, when the fixture is not in use or before cleaning it. Only unplug **ElektraBar** from the power source holding onto the Edison plug. Never pull out the Edison plug out by just pulling on the power cord itself.

Please keep the **ElektraBar** away from children and the general public. Please be intelligent and use common sense when operating the **ElektraBar.**

3. General Guidelines.

ElektraBar is a lighting fixture for professional use on stages, in clubs, theatres, churches etc.
ElektraBar should only be operated at between 120 to 240 volts and only indoors.
ElektraBar should not be operated 24/7 (24 hours a day; 7 days a week). **ElektraBar** needs operation breaks to ensure that it will work for a long time without problems. Please do not shake the **ElektraBar** and avoid using brute force when installing or operating it.
When choosing the location to install the **ElektraBar**, please make sure that it is not exposed to extreme heat. Make sure that the fixture has a good amount of free space around it for air flow. Do not install it in a confined space or have insulation around the fixture. The minimum distance between the **ElektraBar** and the illuminated surface must be more than 3 feet.
Always mount the **ElektraBar** with an appropriate safety cable.
Operate the **ElektraBar** only when you are familiar with the features on the fixture. Do not permit operation by persons not qualified.
All modifications to the **ElektraBar will invalidate the warranty. There are absolutely no exceptions.**
If **ElektraBar** is operated in any way different to the one described in this manual, **ElektraBar** maybe damaged and the guarantee will be void.

4. Grounding. (VERY IMPORTANT!!!)

Always make sure that there is sufficient grounding (earth) for the fixture. This is not only imperative within the circuit that the fixture is being connected to, but also make sure there is sufficient grounding into the building. All fixtures regardless of manufacturer have a surge at initial “turn-on”. Once initial “turn-on” is complete, the surge current (per fixture) will travel down the ground. While each 20 Amp circuit may have the correct size of ground wire, the ground input to the building and/or electrical panel may not be sufficient for the job. Please review this with the electrical contractor. The **ElektraBar** has a surge current over and above its operating current of approximately 2 Amp at 120 volts. If an installation has 100 **ElektraBar** that means 200 Amps needs to be dissipated through the GROUND WIRING. If there is a lack of a sufficiently big enough ground cable into the building or on the individual circuits it can cause severe damage to the fixture and this is **not** covered under the warranty. PLEASE REVIEW THE BUILDING AND CIRCUIT WIRING BEFORE PROCEEDING WITH AN INSTALLATION

5. DMX-512 Control Connection

Connect an XLR cable to the signal output of your DMX controller. The other end should be connected to the male 5-pin XLR input of the **ElektraBar** cable that was supplied with the **ElektraBar**. Then daisy-chain out of the first **ElektraBar** into the next **ElektraBar** or other dmx device. Never **“Y”** split the DMX connection.

The wiring of a 5 pin XLR input and output connector is shown in the diagram below.

DMX -output
XLR mounting-sockat

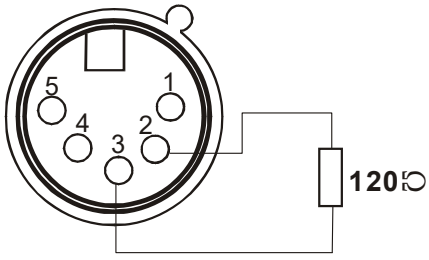
1:Ground
2:Signal(–)
3:Signal(+)
4:N.A.
5:N.A.

DMX -input
XLR mounting-sockat

1:Ground
2:Signal(–)
3:Signal(+)
4:N.A.
5:N.A.

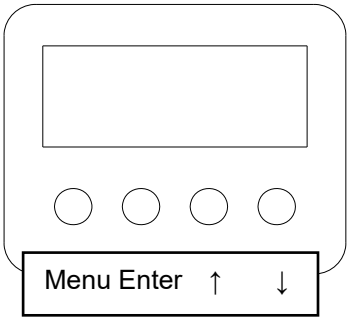
DMX-512 connection with DMX terminator

For installations where the DMX cable has to run a long distance or is in an electrically “noisy” environment, it is recommended that a DMX terminator is used. This helps prevent corruption of the digital control signal. The DMX terminator is simply a 5 pin XLR plug (male) with a 120 Ω resistor connected between pins 2 and 3. It is then plugged into the output XLR socket of the last **ElektraBar** or other dmx device in the chain. Please see illustration below.



6. Menus.

- Press “Menu” to display the root Menu.
  Press “up” ↑ / “down” ↓ to choose
- Press “ENTER” to confirm



No	Display	Function
1	A001	10 channel mode,（DMX channels 001—512） Use the ↓ or ↑ to change channels
2	D001	6 channel mode,（001—512） Use the ↓ or ↑ to change channels
3	CC 00	Instant color change （01—99） Use the ↓ or ↑ to change
4	CP 00	Gradual color change（01—99） Use the ↓ or ↑ to change
5	DE 00	Color Pulse change （01—99） Use the ↓ or ↑ to change
6	BEB1	No Function. Is for firmware updates
7	R000-255	Static choice of Red Color（from 000—255）
8	G000-255	Static choice of Green Color（from 000—255）
9	B000-255	Static choice of Blue Color（from 000—255）
10	W000-255	Static choice of White Color（from 000—255）
11	Y000-255	Static choice of Yellow Color（from 000—255）
12	P000-255	Static choice of Indigo Color（from 000—255）

7. DMX Channel Assignments

10 Channel mode (A001-A503)

Channel	Function	Description
1	Master dimmer	For all colors
2	Strobe	For all colors
3	An Automatic “show” of the colors	0—50 dmx ： No Function 51—100 dmx ： ”Snap” change of the colors 101—150 dmx ： Gradual change of the colors 151—200 dmx ： Pulse change of the colors 201—255 dmx ： Has No function；
4	Speed change of the “show”	Change of speed,from slow to fast (000-255 dmx)
5	Red	Red Color dimming from 000-255
6	Green	Green Color dimming from 000-255
7	Blue	Blue Color dimming from 000-255
8	White	White Color dimming from 000-255
9	Amber	Amber Color dimming from 000-255
10	Indigo	Indigo dimming from 000-255

6 Channel mode (d001-d507)

Channel	Function	Description
1	Red	Red dimming from 000-255
2	Green	Green dimming from 000-255
3	Blue	Blue dimming from 000-255
4	White	White dimming from 000-255
5	Amber	Amber dimming from 000-255
6	Indigo	Indigo dimming from 000-255

7. Cleaning and maintenance.

Now ignoring maintenance and cleaning is very good way of creating problems "down the road" and many companies and installations do just that. However the net result is, no matter what the fixture, premature failure!
Changing the oil in a car most people do on a regular basis.
So with the fixtures regular maintenance it an excellent practice, if you want the fixtures to last.
So what is the maintenance for the fixture?

Turn off the **ElektraBar.** Clean the fixture so that the outside of the fixture is not covered in dust and dirt. The reason being the outside of the body is the heat sink for the fixture and maximum cooling is needed for the fixture to perform correctly.

The clear front plastic cover for the lenses should be cleaned so the light output is maintained. With the **ElektraBar** turned off, use only a moist lint-free cloth, and clean the plastic cover. Never use alcohol or solvents to clean the fixture. Never spray anything onto the fixture at the front or in any place on the fixture.

8. Technical Specification.

- Operating voltage 100 – 250v
- Frequency 50 – 60 Hertz
- 18 x 6-in-1 12watt leds
- 240 VI

ElektraLite is a division of Group One. Group One and its divisions are constantly improving their product range and we reserve the right to make changes without prior notice.

Other products from Elektralite.

Using 18 high powered 12 watt leds, the Elektralite 1018 is available using 4-in-1 or 6-in-1 leds. Each led can produce any combination of colors as each led is either an RGBW or RGBWAI device

Elektralite ML902

The ML902 utilizes a 120 watt Led and is brighter than a 250 discharge light source. Features include:- Color wheel, two gobo wheels, rotating gobos, rotating 3 facet prism, focus, dimmer, strobe and 16 bit pan and tilt.

Elektralite Stingray Ellipsoidal

The Elektralite Stingray is a 300 watt LED ellipsoidal with the output greater than that of a conventional 750 watt fixture. Different LED types are available including Warm White, Cool white and RGBW. Lens available are 19°, 26°, 36°, 50°. Special Lens also available : 5° and 10°. The Stingray will accept other manufacturer's lens as well as Elektralite's own lenses.

Elektralite SLA

The SLA is the perfect compact IP65 fixture for accent lighting everything from trees and walls to product high lighting. Even though it is compact it packs a massive punch with its 15 watt Cree RGBW leds.

Elektralite Dazer Downlight

The ideal pendant light. Made specifically for the installation market.
Can be simply installed by an electrical contractor. 180 watts of power.
Comes with 25 degree lenses installed but a lens pack (15°,45°, & 60°) allows the beam angles to be changed in the field.