



# ENLIGHTEN SPLITTER



## USER MANUAL

### Table of Contents

Safety Information.....	3
Specifications.....	4
Main Power Connection.....	5
DMX-512 Connection.....	5
Installation.....	5
Operation.....	6
Cleaning & Maintenance.....	7
Parts List.....	7



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

#### 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. This product is intended for indoor use only.
5. To prevent risk of fire or shock , do not expose fixture to rain or moisture.

#### Protection Against Mechanical Hazards



Mechanical

1. Use quality clamps or bolts when positioning unit.
2. Do not open unit while it is on, risk of electrical shock.

# Specifications

## Part Numbers

### Fixture

MC1040- Enlighten Splitter

## Mechanical Specifications

Enlighten USB interface inside

**Input DMX Connections:** Front and Rear 3-pin & 5 Pin XLR connectors

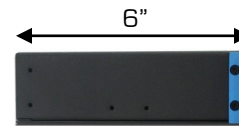
**Output DMX Connectors:** 4 output / 3-pin & 5 Pin XLR connectors

**Power Connection:** IEC power connection to Edison

**Fastening System:** 1U Rack Mountable Front or Back & wall mountable



Fixture	Packaged for Shipping
Size: 19" x 1.75" x 6"	Size: 20" x 7.5" x 3"
Weight: 6 lb	Weight: 7 lbs



## Electrical Specifications

Enlighten USB Interface connectedly internally to splitter input

Electronic isolation between input & output

Electronic isolation between output and output

Terminator button for last unit

Power indicator

Signal indicator

Power Consumption: 110V-60 Hz


# Main Power Connection

## Caution!

1. Do not connect fixture to a dimmer system.
2. This unit must be earthed. (electronically grounded)
3. 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	

## Installation

The Enlighten Splitter can be rack mounted from the front or back or wall mounted. For wall mount, remove the rack ears on the front panel and screw them on the side panels. For rear mounting remove the rack ears from the front and mount them on the rear panels

Rack Mount



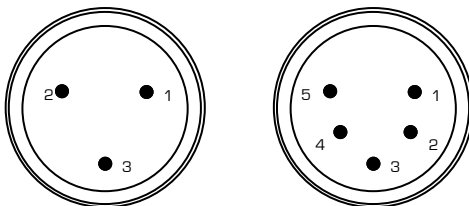
Wall Mount



## DMX-512 Connection

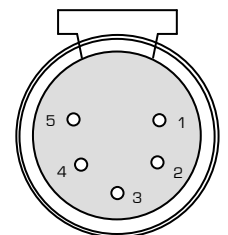
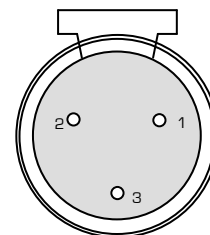
The Mega Splitter is a DMX signal amplifier and distributor. The unit allows you to split a DMX signal into four separate signal outputs. Also it boost your DMX signal for extensive cable runs between DMX lighting fixtures

### DMX—input



### DMX—output

1. Shield
2. Signal (-)
3. Signal (+)
4. Not Used
5. Not Used

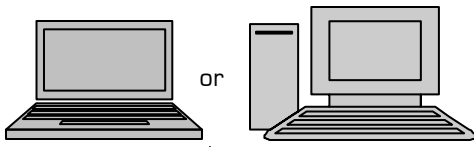


# Operation

1. Upload your software into the computer. Software is located inside the USB Storage device (included in package). You can also use this device to store your show. The most current version of the Enlighten Software can be downloaded from the Mega-Lite website at [www.mega-lite.com](http://www.mega-lite.com)



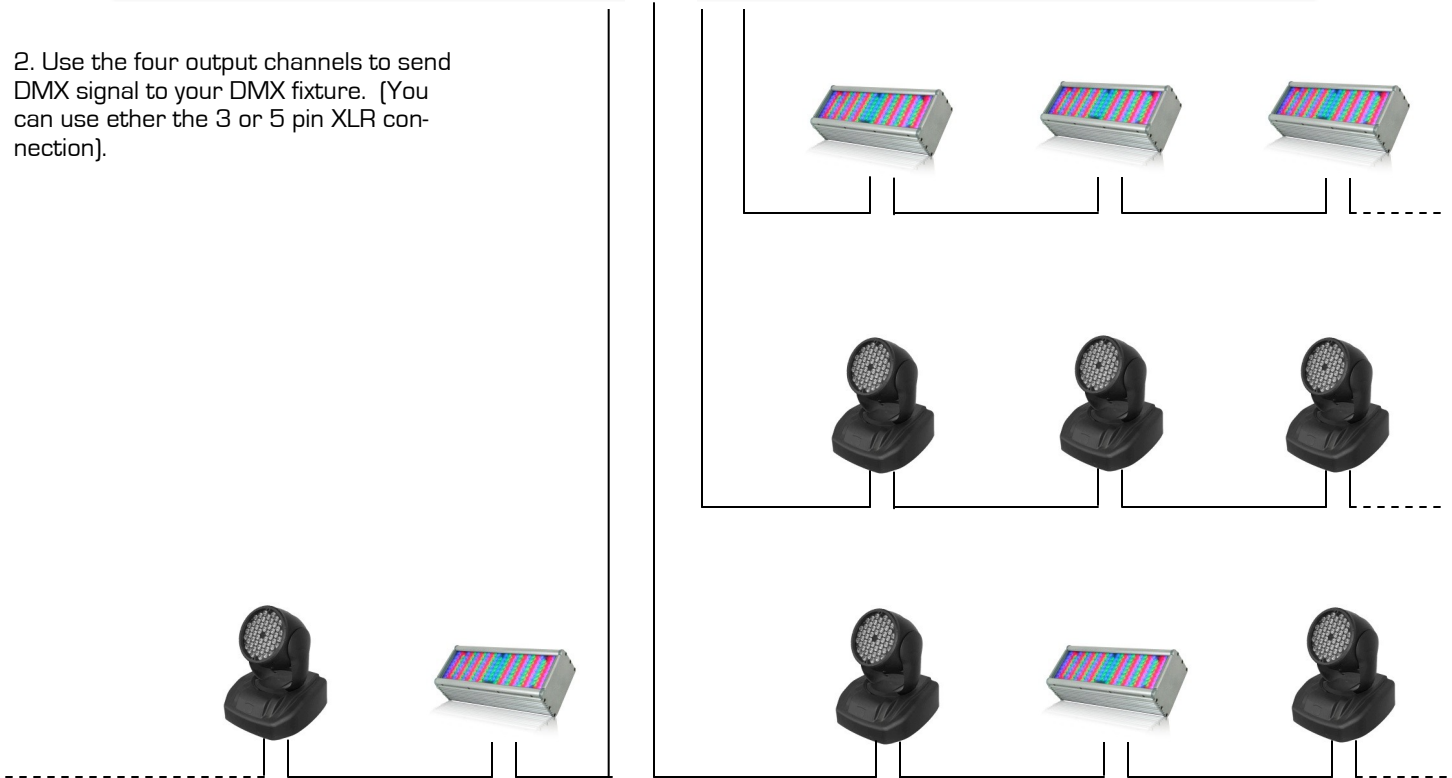
2. After software has been installed connect via USB cable (included in package), to the front of the Enlighten Splitter. Turn the Enlighten Splitter power on. The Red LED's on channel 1 through 4 indicate there is power present. When the Green LED are flashing that indicated that the outputs are sending DMX signal.



**Caution!**  
Do not connect a second DMX controller to the DMX input while the Computer is connected via the USB.



2. Use the four output channels to send DMX signal to your DMX fixture. (You can use either the 3 or 5 pin XLR connection).



## 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 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.

*Caution Danger to life!*



Electrical

**Disconnect from mains before starting maintenance operation!**

**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

MC1060-mpcb	Main PCB Card
MC1060-ts	Terminator Switch
MC1060-ps	Power Switch
MC1060-pc	Power Connection
MC1060-xlr3m	3 Pin XLR Male
MC1060-xlr3f	3 Pin XLR Female
MC1060-xlr5m	5 Pin XLR Male
MC1060-xlr5f	5 Pin XLR Female



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