

**CW** Ribbon



**WW** Ribbon

# 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.
2. Do Not install the unit too close to a heat source.
3. Make sure cables are properly secured away from unit movement.
4. Maximum surface operating temperature 150°.

#### Protection Against Fire



Electrical

1. Disconnect power before servicing.
2. For connection to main power supply proceed to page 6.
3. This unit must be earthed. (electronically grounded)
4. Do not expose ends of the unit to rain or moisture.

#### Protection Against Mechanical Hazards



Mechanical

1. Secure with plastic braces when hanging the light on ceiling.
2. Use quality bolts when positioning unit.
3. Do not place weight above fixture.
4. Do not remove from plastic cover risk of electrical shock.

# Specifications

## Fixture

### 4360-Ribbon WW (Warm White)

### 4361-Ribbon CW (Cool White)

IP Rating: IP 66

LED Quantity: 300

.55" /

LED Type: SMD

Voltage: 12V

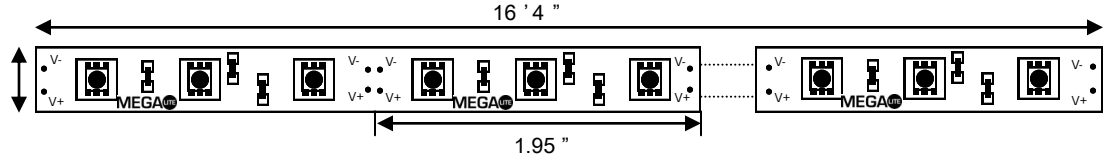
Avg rated Life: 30,000hrs

Operating temperature: -40° to 150°

Fastening System: 3M adhesive tape / Mounting Clips

Led Spacing: .65" / 16.6mm

Cutable Every: 1.95" / 50mm



Fixture	Antistatic Bag Packaging
Size: 16'4" / 5 Meters L .55" / 14mm W .24" / 5mm H	Size: 10.5" L 10" W 1" H
Weight: .75 lbs	Weight: .85 lbs



## Fixture

### 4356- Ribbon DMX Controller

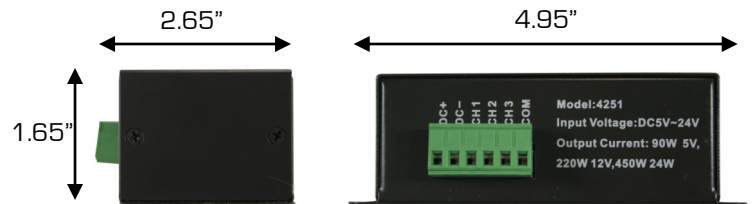
## Mechanical Specifications

DMX Connectors: 3-pin XLR connectors

Power Connection: External power supply bare cable

Fastening System: 2 fixture mounting points

Fixture	Packaged for Shipping
Size: 4.95"L x 2.65"W x 1.65"H	Size: 6"L x 3"W x 3.5"H
Weight: .6 lbs	Weight: 1.4 lbs



## Electrical Specifications

Input Power: DC5V~DC24V

Output Current: 6A Per channel (total 18A)

Output Power: 12V-220W max

Brightness Control: 256 Scales

## Control & Programming

Protocol: DMX 512 / 1990

DMX Channels: 3

Control options: Built in functions

## Fixture

### 4357- Ribbon Repeater

## Specifications

<b>Connectors:</b>	Removable Phoenix connection
<b>Power Connection:</b>	External Power supply bare cable
<b>Fastening System:</b>	2 fixture mounting points
<b>Output Power:</b>	12V-220W max



Fixture	Packaged for Shipping
Size: 4.75L x 1.56"W x 1.55"H	Size: 6"L x 3"W x 3.5"H
Weight: .4 lbs	Weight: 1.4 lbs

## Fixture

### 4363- Ribbon Power Supply

## Specifications

<b>Connectors:</b>	Bare cable
<b>Fastening System:</b>	6 fixture mounting points
<b>Certification:</b>	UL Certified
<b>Input Power:</b>	100~130VAC 0.78A ,50/60Hz
<b>Output Current:</b>	12VDC 5A 60W



Fixture	Packaged for Shipping
Size: 9.5"L x 2.75"W x 1.80"H	Size: 10.5"L x 3.5"W x 2.5"H
Weight: 2.2 lbs	Weight: 3 lbs

## 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.

Unit Ships with 10 braces per ribbon reel. These braces should be used to secure the Ribbon to the surface.


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.

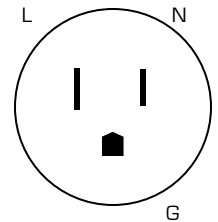
## Main Power Connection

### Caution!

1. Do not connect fixture to a dimmer system.

This fixture is equipped with a electronic power supply that will let it operate at 110V to 240V from 50Hz to 60Hz:

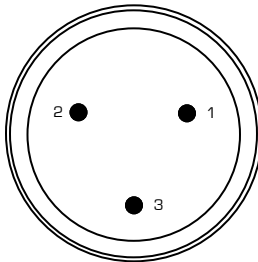
Cable (USA)	Cable (EU)	110V	220V	Connection
Black	Brown	Live	Live	L
White	Light Blue	Neutral	Live	N
Green	Yellow/Green	Ground	Neutral	



## DMX-512 Connection

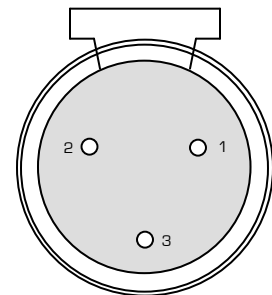
The fixture Ribbon DMX Controller is equipped with 3 pin XLR Sockets for DMX input and output. The sockets are wired in parallel. Only use a shielded twisted pair cable designed for RS-485 and 3 pin XLR plugs and connectors in order to connect the controller with the fixture or the fixture with another.

### 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).

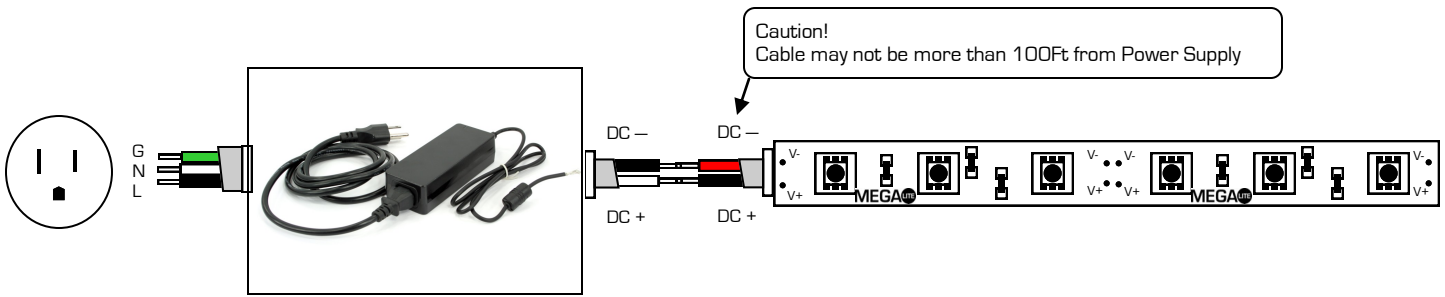
# Installation

## Caution!

1. Each power supply will only power up to 16.4" of White Ribbon

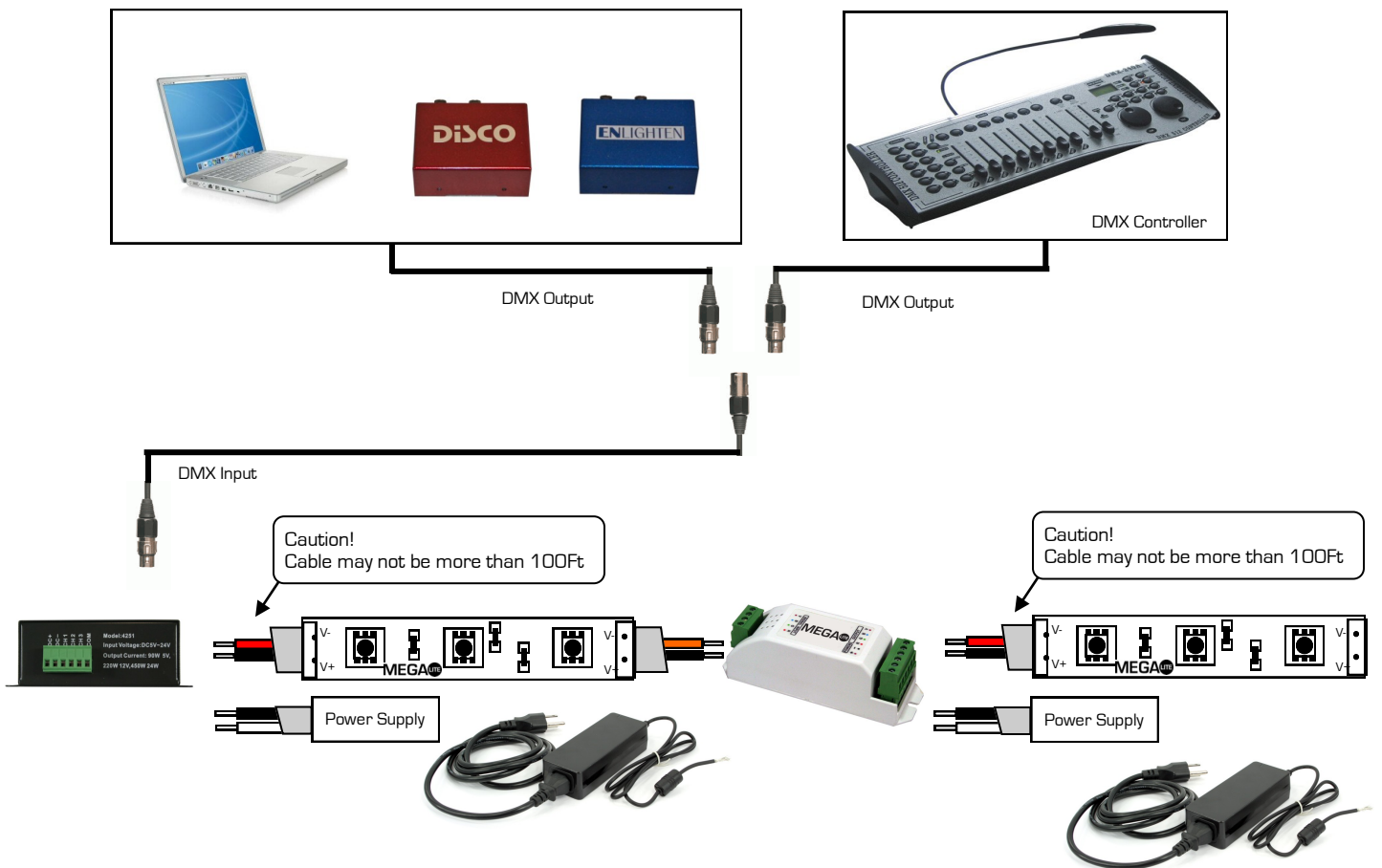
### Installing using Power Supply

Using the power supply will only allow you to turn on and off the White Ribbon.



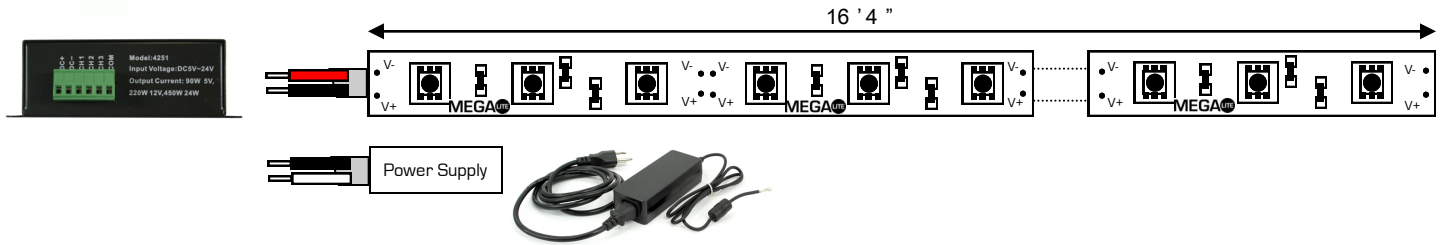
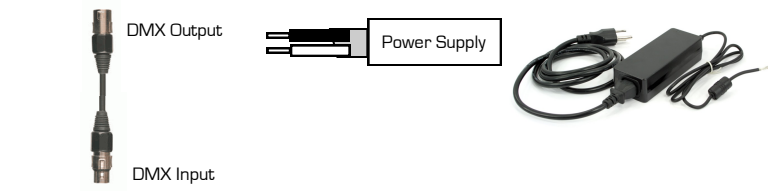
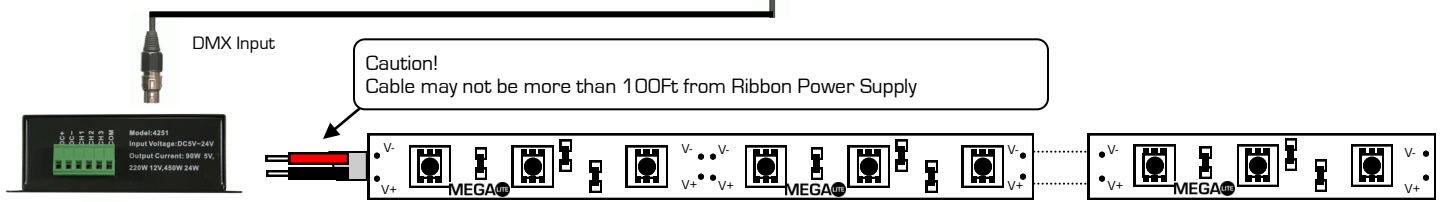
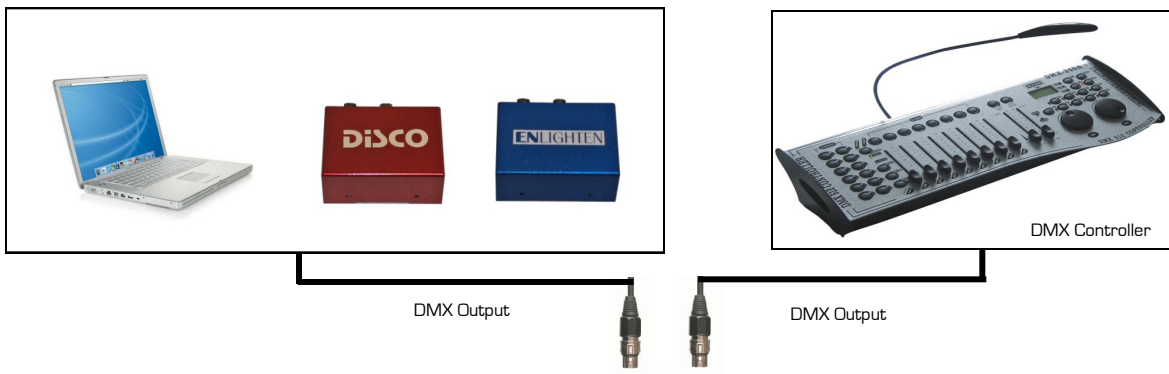
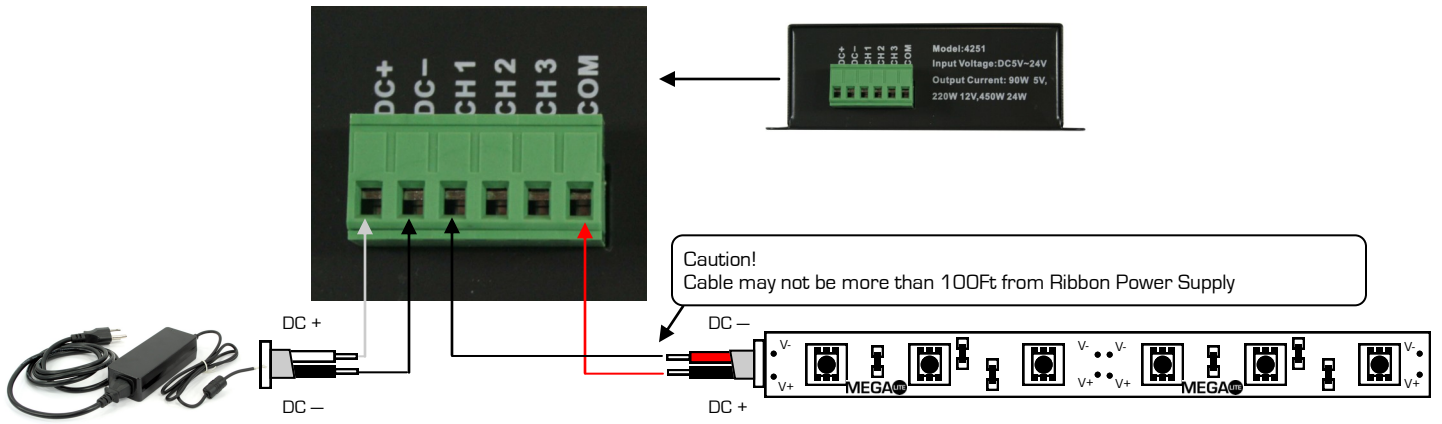
### Installing using Ribbon Power Supply, Ribbon Repeater and Ribbon DMX Controller

Using the Ribbon DMX Controller will allow you to control the intensity of all White Ribbon via DMX controller. And the Ribbon Repeater will allow you to extend the same intensity signal to the next Ribbon.



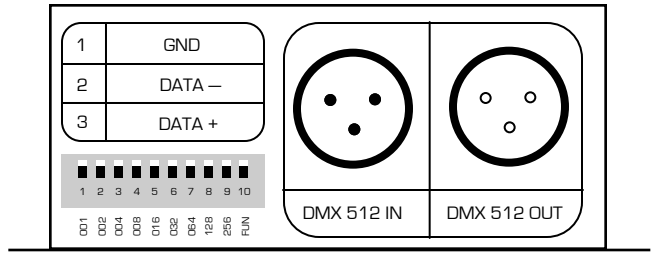
# Installing using Ribbon Power Supply and Ribbon DMX Controller

Using Ribbon Power Supply and Ribbon DMX Controller will allow you to control a multiple Ribbons via DMX Controller. Each with individual DMX address.



# Main Control Menu

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

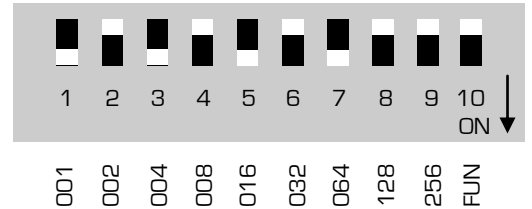


## DMX Addressing

DMX signal cable must be connected in order to respond to DMX mode.

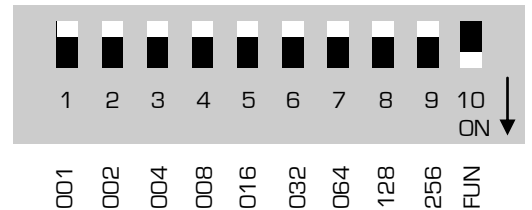
Turn dipswitch 10 to the **OFF** position. Each dipswitch from 1 to 9 holds a numerical value located below the dipswitch. Add the numerical value to get the desired fixture start address channel. The user must assign a start address on the fixture that indicates the first channel reserved in the controller.

For example, if you wish the first unit to start on address channel 85 you will need to turn on dipswitch 1,3,5 and 7 (1+4+16+64=85)



## Functions

Turn dipswitch 10 to the **ON** position. This function will turn on the functions that will allow the unit to run a preprogram function. Additionally, this unit may serve as a master unit where other units will copy its functions. To create a master unit connect the XLR cable from the output to the input on the next unit.



FUNCTION	1	2	3	4	5	6	7	8	9	10
WHITE	ON									
		ON								
			ON							
				ON						
WHITE 33%					ON					
						ON				
WHITE							ON			
WHITE SNAP	SPEED 1	SPEED 2	SPEED 3	SPEED 4	SPEED 5	SPEED 6	SPEED 7	ON		
WHITE FADE	SPEED 1	SPEED 2	SPEED 3	SPEED 4	SPEED 5	SPEED 6	SPEED 7		ON	
FUNCTION										ON

## Testing

For testing function do not connect DMX signal cable

Turn dipswitch 10 to the **OFF** position. This function will allow you to test the intensity of each ribbon.



001 002 004 008 016 032 064 128 256 FUN

FUNCTION	1	2	3	4	5	6	7	8	9	10
WHITE	33%									
WHITE		33%								
WHITE			33%							
										OFF

## DMX Profile

### White Ribbon DMX Profile (1 Channel)

DMX Channel	Function	Description	Value
1	LED Color	White LED Intensity	0-255
2	N/A	Not Applicable with White	0
3	N/A	Not Applicable with White	0

## 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.

**Note:** There is no serviceable parts inside the device. Maintenance and service operations are to be carried out by authorized dealers.

**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.**



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