

# MEGA<sup>LITE</sup>

baby   
COLOR H84



## USER MANUAL

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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
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
5. Unit is not to be left powered on for long periods of time.

#### Protection Against Mechanical Hazards



Mechanical

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

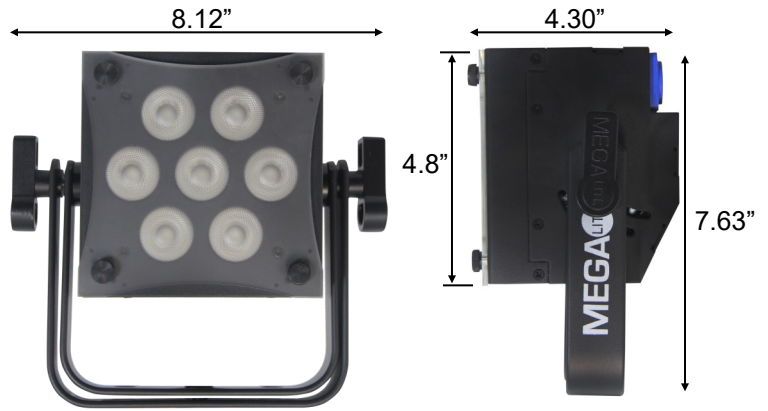
# Technical Information

## Part Numbers

4040- Baby Color H84

## Mechanical Specifications

**DMX Connectors:** 5 pin XLR connectors in and out  
**Thermal:** Maximum ambient temperature 104°  
 Maximum surface temperature 140°  
**Fastening System:** Double Mounting Yoke  
**Display:** Digital  
**Power connection:** Power Con in & out



Fixture	Packaged
Size: 8.12" x 4.30" x 7.63"	Size: 10" x 9.25" x 6.5"
Weight: 5lb	Weight: 7lb

## Electrical Specifications

<b>LED Quantity:</b> 7	<b>LED Angle:</b> 20°
<b>Red:</b> 7	<b>Diffusion Beam Angel:</b> 25°
<b>Green:</b> 7	<b>Power Input Voltage:</b> 110V-240 50/60 Hz
<b>Blue:</b> 7	<b>Ballast:</b> Electronic Auto Switching
<b>White:</b> 7	
<b>Amber:</b> 7	
<b>UV:</b> 7	
<b>LED Watts:</b> 12	<b>Power Consumption</b> <b>Watts: 57</b>
	<b>Amps: .77</b>

## Control & Programming

DMX 512 Protocol

<b>DMX Modes:</b>	Mode 1    3 Channels	R,G,B
	Mode 2    4 Channels	R,G,B,W
	Mode 3    6 Channels	R,G,B,W,A,U
	Mode 4    7 Channels	R,G,B,W, Strobe, Macro, Dimmer
	Mode 5    9 Channels	R,G,B,W,A,U, Strobe, Macro, Dimmer

**Control Options:** Display individual color control



# Main Power Connection

## Caution!

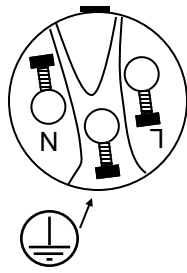
1. Do not connect fixture to a dimmer system.
2. This unit has Auto switching power supply. It will respond to 110V or 220V automatically
3. This unit must be earthed. (electronically grounded)
4. Replace fuse only with the specified type and rating.
5. Power link max 19 @110V / Power link max 38 @220V

The occupation of the connection-cable is as follows:

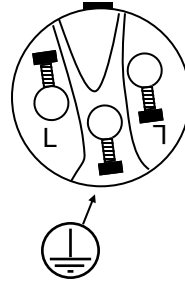
This fixture is equipped with an electronic power supply that will let the unit operate from 90V to 240V from 50Hz to

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

110V Connection



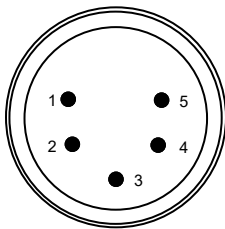
220V Connection



## DMX-512 Connection

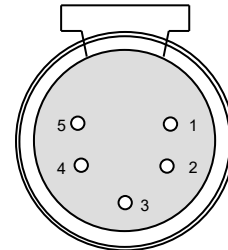
The fixture is equipped with 5 pin XLR Sockets for DMX input and output. The sockets are wired in parallel. Only use a shielded twisted pair cable designed for RS-485 and 5 pin XLR plugs and connectors in order to connect the controller with the fixture or the fixture with another.

### DMX—input



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

### 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).

# Display Menu

## CONTROL BOARD

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 and functions. The following will explain each function and its options.



● ● ● ●  
Menu Up Down Enter

DMX Address	DMX Mode	Red Dimmer	Green Dimmer	Blue Dimmer	White Dimmer	Amber Dimmer	UV Dimmer	Strobe	Fade Scroll	Color Chase
Addr	CHnd	rL--	gL--	bL--	UL--	AL--	UV--	FLAS	FADE	ASC-
1-512	3-Ch 4-Ch 6-Ch 7-Ch 9-Ch	0-255	0-255	0-255	0-255	0-255	0-255	0-15	0-15	0-15

### Addr DMX Address

Press **Enter** to select the DMX start channel use the **up/down** keys, display will be flashing once you have selected the desired start channel Press **Enter** to confirm display will stop flashing.

### CHnd DMX Mode

This function allows you to select the mode in which you want to control the fixture. Press **Enter** use the **up/down** keys to select desired DMX mode settings. Press **Enter** to confirm the settings.

3 CH	Red, Green, Blue
4 CH	Red, Green, Blue, White
6 CH	Red, Green, Blue, White, Amber, UV
7 CH	Red, Green, Blue, White, Strobe, Macro, Dimmer
9 CH	Red, Green, Blue, White, Amber, UV, Strobe, Macro, Dimmer

### rL-- Red Dimmer

This function allows you to dim up or down the red LED's. Press Enter use the **up/down** keys to select desired dimmer settings. Press **Enter** to confirm the settings.

### gL-- Green Dimmer

This function allows you to dim up or down the green LED's. Press Enter use the **up/down** keys to select desired dimmer settings. Press **Enter** to confirm the settings.

### bL-- Blue Dimmer

This function allows you to dim up or down the blue LED's. Press **Enter** use the **up/down** keys to select desired dimmer settings. Press **Enter** to confirm the settings.

## White Dimmer

This function allows you to dim up or down the white LED's . Press **Enter** use the **up/down** keys to select desired dimmer settings. Press **Enter** to confirm the settings.

## Amber Dimmer

This function allows you to dim up or down the amber LED's . Press **Enter** use the **up/down** keys to select desired dimmer settings. Press **Enter** to confirm the settings.

## UV Dimmer

This function allows you to dim up or down the UV LED's . Press **Enter** use the **up/down** keys to select desired dimmer settings. Press **Enter** to confirm the settings.

## Flash

This function allows you to strobe all the LED's. Press **Enter** use the **up/down** keys to select desired strobe speed settings from 0 to 15. Press **Enter** to confirm the settings.

## Fade Scroll

This function allows you to fade the LED's from one color to another. Press **Enter** use the **up/down** keys to select desired fade speed settings from 0 to 15. Press **Enter** to confirm the settings.

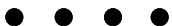
## Color Chase

This function allows you to chase the colors from one to another with out fading. Press **Enter** use the **up/down** keys to select desired fade speed settings from 0 to 15. Press **Enter** to confirm the settings.

## DMX Indicator

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### CONTROL BOARD



Menu Up Down Enter

When DMX Signal is being received the last point on the control board display will turn on. If there is no DMX signal present it will be off.

## DMX Profile

### Baby Color H84 3 Channel Mode

DMX Channel	Function	Description	Value
1	LED Color	Red LED intensity	0-255
2	LED Color	Green LED Intensity	0-255
3	LED Color	Blue LED Intensity	0-255

### Baby Color H84 4 Channel Mode

DMX Channel	Function	Description	Value
1	LED Color	Red LED intensity	0-255
2	LED Color	Green LED Intensity	0-255
3	LED Color	Blue LED Intensity	0-255
4	LED Color	White LED Intensity	0-255

### Baby Color H84 6 Channel Mode

DMX Channel	Function	Description	Value
1	LED Color	Red LED intensity	0-255
2	LED Color	Green LED Intensity	0-255
3	LED Color	Blue LED Intensity	0-255
4	LED Color	White LED Intensity	0-255
5	LED Color	Amber LED Intensity	0-255
6	LED Color	UV LED Intensity	0-255

### Baby Color H84 7 Channel Mode

DMX Channel	Function	Description	Value
1	LED Color	Red LED intensity	0-255
2	LED Color	Green LED Intensity	0-255
3	LED Color	Blue LED Intensity	0-255
4	LED Color	White LED Intensity	0-255
5	Strobe	Strobe (slow to fast)	0-196
		Random Strobe (slow to fast)	197-255
6	Macro	No Function	0-1
		Color fade (slow to fast)	2-19
		Color Snap (slow to fast)	20-39
		Random (slow to fast)	40-59
		Yellow	60-79
		Purple	80-99
		Aqua	100-119
		Orange	120-139
		Red Pulse	140-159
		green Pulse	160-179
		Blue Pulse	180-199
		Yellow Pulse	200-219
		Aqua Pulse	220-229
White Pulse	230-249		
White LED Full	250-255		
7	Dimmer	Dimmer Off to Full	0-255



# Baby Color H84 9 Channel Mode

DMX Channel	Function	Description	Value
1	LED Color	Red LED intensity	0-255
2	LED Color	Green LED Intensity	0-255
3	LED Color	Blue LED Intensity	0-255
4	LED Color	White LED Intensity	0-255
5	LED Color	Amber LED Intensity	0-255
6	LED Color	UV LED Intensity	0-255
7	Strobe	Strobe (slow to fast)	0-196
		Random Strobe (slow to fast)	197-255
8	Macro	No Function	0-1
		Color fade (slow to fast)	2-19
		Color Snap (slow to fast)	20-39
		Random (slow to fast)	40-59
		Yellow	60-79
		Purple	80-99
		Aqua	100-119
		Orange	120-139
		Red Pulse	140-159
		green Pulse	160-179
		Blue Pulse	180-199
		Yellow Pulse	200-219
		Aqua Pulse	220-229
		White Pulse	230-249
White LED Full	250-255		
9	Dimmer	Dimmer Off to Full	0-255

## Rigging the fixture

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### 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 24inches 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 fixture 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.

## Cleaning and maintenance

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**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.

**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 or trained professional only.

**Should you have further questions , please contact your dealer.**

## Parts List

4035-FAN	Replacement fan
4040-PCB-MAI	Main PCB card
4040-POW	Power Supply
4040-PCB-DIS	Display
4035-DF	Removable Diffusion Filter
4040-LED	LED Replacement
4040-KNOB	Mega Lite Knob Set

## Accessories

CAS-4040-12	12 Unit Road Case
4035-ACC-BAR	Barn Boor
4035-ACC-ACR	Acrylic Tube

# Warranty Information

## Warranty Conditions

-Unless otherwise stated in writing, your product is covered by a one year parts and labor limited warranty.

-LEDs are not guaranteed to match in color temperature or output.

-It is the owner's responsibility to furnish receipts or invoices for verification of purchase, date, and reseller or distributor. If purchase date cannot be provided, date of manufacture will be used to determine warranty period.

-Goods returned under warranty must follow the proper authorization procedure and must be accompanied by a copy of the original invoice.

-Goods repaired under warranty will be returned to the owner with the freight prepaid by MSI via the most economical means of shipment.

-Repair or replacement as provided for under this warranty is the exclusive remedy of the consumer. MEGA SYSTEMS INC. makes no warranties, express or implied, with respect to any product, and Mega Systems specifically disclaims any warranty of merchantability or fitness for a particular purpose. Mega Systems shall not be liable for any indirect, incidental or consequential damage, including lost profit, sustained or incurred in connection with any product or caused by product defect or the partial or total failure of any product regardless of the form of action, weather in contract, tort (including negligence), strict liability or otherwise, and weather or not such damage was foreseen or unforeseen.

- Warranty is void if the product is misused, damaged, modified in any way, or for unauthorized repairs or parts. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

# Customer Support

Mega Lite has a customer support line to provide set up help and to answer any question should you encounter a problem. Please visit our website for any other related technical documents. For service related issue please contact our service dept.

Monday—Friday 9am to 6pm CST  
Voice: 210-684-2600  
E-mail: [service@megasystemsinc.com](mailto:service@megasystemsinc.com)

# Manual Version

Please Visit [www.mega.lighting](http://www.mega.lighting) for the most up to date manual version

Document Version	Date	Fixture Software	Notes
1.1	09/12/2019	V1.2	



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