MEGA LITE

baby COLOR Q70 IR

USER MANUAL

Table of Contents

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 to close to a heat source.
5. Make sure cable are properly secured
6. Maximum surface operating temperature 80º.

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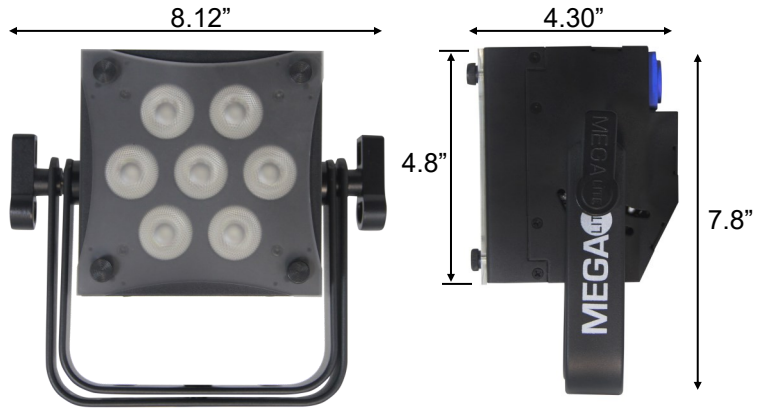3. Do not open unit while it is on, risk of electrical shock.

Specifications

Part Numbers

4039– Baby Color Q70 IR

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: LED

Power connection: Power Con (type) In & Out

Fixture	Packaged
Size: 8.12" x 4.3" x 7.8	Size: 10" x 9.5" x 5.75
Weight: 5lb	Weight: 7lb

8.12"   4.30"

4.8"   7.8"

Electrical Specifications

LED Quantity: 7

Red: 7
Green: 7
Blue: 7
White: 7

LED Watts: 10

LED White CCT: 7702K

Lumens: 2988lm Clear
2648lm With Diffusion

CRI: 78 (all emitters on)

LED Angle: 16°

Diffusion Beam Angel: 27°

Power Input Voltage: 110V-240 50/60 Hz

Ballast: Electronic auto switching

Power Consumption   **Watts:** 49
Amps: .65
PF: .61

Control & Programming

DMX 512 Protocol

DMX Modes: Mode 1   3 Channels   R,G,B,
Mode 2   4 Channels   R,G,B,W
Mode 3   7 Channels   R,G,B,W, Strobe, Macro, Dimmer

Control Options: Audio Trigger, Main and Remote Function, Infrared Controller (included)

Main Power Connection

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 100V to 240V from 50Hz/60Hz

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

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   **DMX—Output**
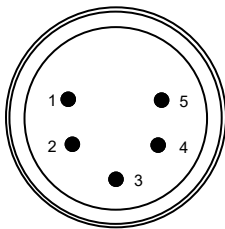
1.	Shield
2.	Signal (-)
3.	Signal (+)
4.	Not Used
5.	Not Used
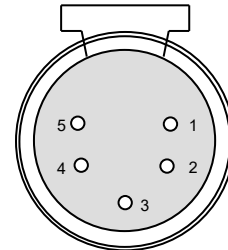
Display Menu

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

CONTROL BOARD

`8.8.8.`

● ● ● ●

Menu Up Down Enter

DMX Ad-	DMX Mode	Red Dimmer	Green Dimmer	Blue Dimmer	White Dimmer	Strobe	Fade	Color Chase	Dimmer Mode
`Addr`	`CHnd`	`rL--`	`9L--`	`bL--`	`uL--`	`FLAS`	`FAdE`	`ASC-`	`d ln`
1-512	3-Ch 4-Ch 7-Ch	0-255	0-255	0-255	0-255	0-15	0-15	0-15	59r Lin Scur 159r

`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 witch 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
7 CH	Red, Green, Blue, White, 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.

`9L--` 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.

```
UL --
```
 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.

```
FLAS
```
 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
```
 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.

```
ASC -
```
 Audio Sensitive Chase

This function allows you to chase the colors from one to another by sensing the audio bass triggers in the area. Press **Enter** use the **up/down** keys to select desired fade speed settings from 0 to 15, 1 will be the fastest fade times and 15 the slowest. Press **Enter** to confirm the settings.

```
d In
```
 Dimmer Fade Time

This function allows you to set the fade time. Press **Enter u**se the **up/down** keys to select desired fade time
 SCUR– Square Law Fade time
159r-
59r-
Linear– Linear fade time
Press **Enter** to confirm the settings.

DMX Indicator

CONTROL BOARD

```
8.8.8.8.
● ● ● ●
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 is will be off.

IR Controller

Baby Color Q70 IR is equipped with a IR Controller that can set lighting commands via hand controller. The Control must face the front of the fixture were the LEDs are located. IR controller can be used with the diffusion cover. To use IR controller press **On** then press control functions to disengage IR Control press **Off** to return to DMX or Display Control.
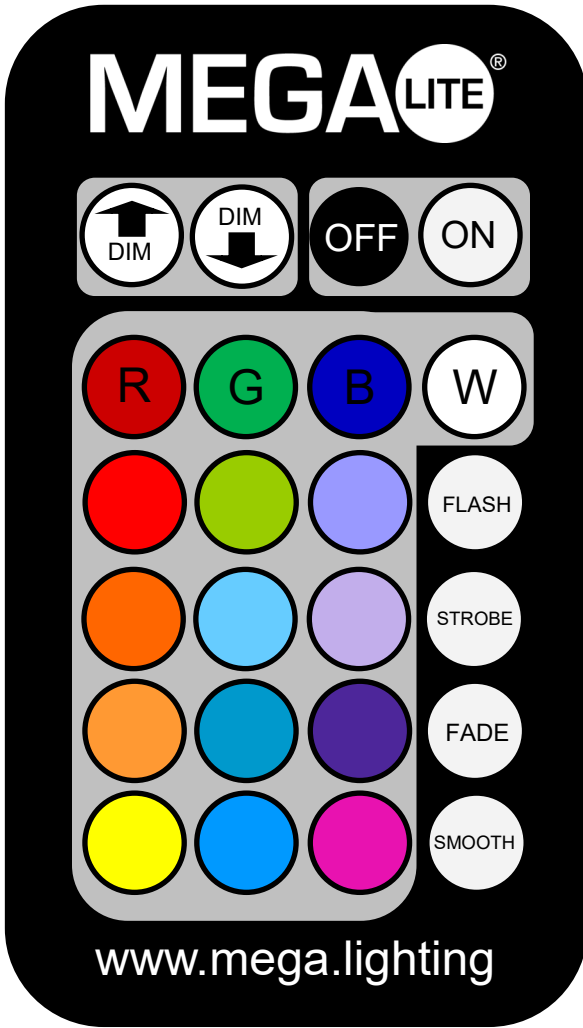
ON = To engage IR Controller functions press on

OFF =To disengage IR Controller functions press off

DIM = 4 Values of Dimming up

DIM = 4 Values of Dimming down

FLASH =Flash Effect (color must be selected)

STROBE =4 Values of Strobe (color must be selected)

FADE =Fade between color function

SMOOTH =Smooth Shutter engage

Baby Color Q70 3 Channel Mode

DMX Chanel	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 Q70 4 Channel Mode

DMX Chanel	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 Q70 7 Channel Mode

DMX Chanel	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

Rigging the Fixture

Caution!
1. The installations must be carried out by an authorized dealer or trained professional.
2. Unit may cause severe injures 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

Installation M**aintenance:** 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.. 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
4039-PCB-MAI-DIS	Main & Display PCB card
4039-POW	Power Supply
4039-PCB-DRI	Driver PCB
4035-DIF	Removable Diffusion Filter
4035-BAR	Barndoor Accessory
4035-KNO	Knob Set

MEGA Systems, Inc. Warranty

MEGA SYSTEMS INC ("MSI") hereby warrants to the original purchaser/owner ("Customer"), MSI products to be free of manufacturing defects in material and workmanship, for the warranty periods as defined below from the original purchase invoice date. This warranty applies exclusively to new MSI branded and/or distributed products listed below, purchased from an MSI AUTHORIZED dealer/ reseller. This warranty is not transferable and may or may not apply to products sold and/or forwarded outside the United States. Please contact MSI for applicable regional product warranty information.

The purchase of MSI product constitutes the Customer's acceptance of all warranty terms and conditions as listed in this limited warranty statement. This warranty provides the Customer with legal rights, which may vary from state to state. Please contact MSI regarding warranty questions prior to purchasing.

Product / Series	Warranty Period	Coverage
Battery Powered LED	Six month battery, one year all other components	1, 2
Moving LED, Hazers	One year	2
Outdoor IP-Rated LED	Two years	3
House Light LED, Decorative LED, Compact LED, iCandy LED, Theatrical LED, Strobe Wash LED, Follow Spot LED, Lighting Control, Direct View LED Displays and Video Control	Three years	4

1. Battery: 183 days/six months

2. Parts and Labor: 365 days/one year

3. Parts and Labor: 730 days/two years

4. Parts and Labor: 1095 days/three years

This limited warranty excludes any defects caused by, resulting from or relating to the following:

Normal wear and tear of lamps, color media, brushes, contact rings, lamp sockets, belts and other parts prone to wear and tear.

Misuse, abuse, improper handling, accident, alteration or attempts to repair by or on behalf of the owner or any person not authorized by MSI.

Damage to the product resulting from acts of God, including, but not limited to, earthquakes, hurricanes, tornados, lightning and other natural disasters, fire, explosion, flood, riots, civil disorder or any other cause beyond the reasonable control of MSI.

Exposure to harsh or excessively corrosive environmental conditions (whether indoors or outdoors), including, but not limited to, extreme temperatures, humidity, atmospheric conditions (including salinity or pressure), radiation (UV, infrared or nuclear), shock and conditions which exceed the product's Ingress Protection ("IP") rating.

Use of the product in a manner which exceeds the applicable product specification, including, but not limited to, exposure to excessive, insufficient or other voltage conditions.

Installation or use of the product not in accordance with the technical documentation, MSI guidelines (as may be posted on its website at www.megasystemsinc.com from time to time or otherwise designated by MSI or its brands) or applicable building and electrical codes, regulations and standards.

Failure to maintain the product in accordance with the technical documentation.

Natural degradation and color shift of the LED source over the course of normal product use.

Slight deviations in the specified values of intensity and color that do not affect the functionality of the product.

Use of the product not for its intended purpose.

All warranty claims are evaluated under the terms of this limited warranty. If a product falls within the warranty period and if, upon examination by MSI it is found to have failed for a covered cause, MSI will, at its sole discretion, repair or replace the defective part or product or reimburse the purchaser a pro-rated portion of the purchase price based on the percentage of the warranty period still remaining as of the date that the returned product was received by MSI. Should a replacement part or product be discontinued or unavailable, MSI reserves the right, in its sole and absolute discretion, to substitute a comparable replacement part or product for the defective part or product. MSI warranty obligation hereunder is limited solely to the repair or replacement of or reimbursement for the particular parts or products determined by MSI to have failed for a covered cause within the warranty period. In no event shall MSI be responsible to replace or reimburse purchaser for any products or portions of a system that MSI determines has not failed for a covered cause within the warranty period, even if such other products or portions of a system are used together with products being repaired or replaced by MSI under this warranty and the repaired product differs in brightness, colors or any other attribute after the repair.

Costs of removal, shipping to MSI or its authorized representative and reinstallation are solely the responsibility of the purchaser. If MSI determines that the product is covered by this limited warranty, it will only pay for parts and labor as indicated by product type. If MSI determines that the product is not covered by this limited warranty, the purchaser will have the option of paying for the repair (if the product can be repaired) and the purchaser shall be responsible for the cost of shipping the repaired product back to the purchaser. MSI reserves the right, in its sole and absolute discretion, to decline any repair.

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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@mega.lighting

Manual Version

Please Visit www.mega.lighting for the most up to date manual version

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