MEGALITE

baby COLOR Q70

USER MANUAL

Table of Contents

Check that the unit has not been damaged during transport

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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
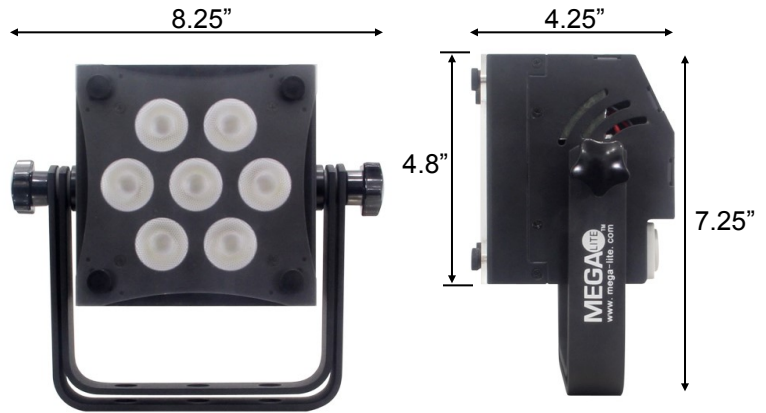3. Do not open unit while it is on, risk of electrical shock.

Technical Information

Part Numbers

4035– Baby Color Q70

Mechanical Specifications

DMX Connectors: 3 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	In ATA Road Case
Size: 8.25" x 4" x 7.25	Size: 10.25" x 9.5" x 6.25"
Weight: 5lb	Weight: 6lb

Electrical Specifications

LED Quantity: **7**

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

LED Watts: 10

LED Lifetime: 60 to 100 thousand hours

LED Angle: 20°

Diffusion Beam Angel: 25°

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

Ballast: Electronic auto switching

Power Consumption   **Watts: 48**
                          Amps: .74

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, Master Slave
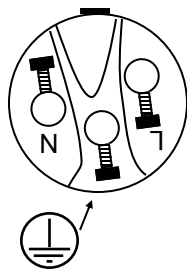
Main Power Connec-
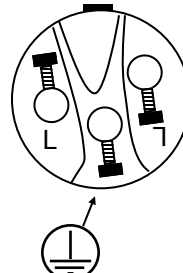
The occupation of the connection-cable is as follows:

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 Connec-

220V Connec-
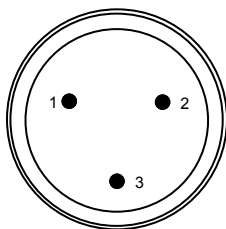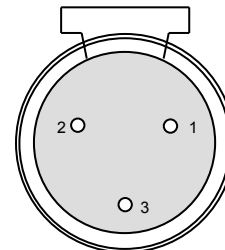
DMX-512 Connec-

The fixture 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

DMX—output

1. Shield
2. Signal (-)
3. Signal (+)

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

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8.8.8.8.
● ● ● ●
Menu Up Down Enter
```

DMX Ad-	DMX Mode	Slave	Speed Pro-	Pre Pro-	Color Chase	Fade	Strobe	Red Dim-	Green Dim-	Blue Dimmer	White Dimmer
Addr	CHnd	SLAU	SP--	Pr--	ASC-	FAdE	FLAS	rL--	GL--	bL--	UL--
1-512	3-Ch 4-Ch 7-Ch		0-15	0-30	0-15	0-15	0-15	0-255	0-255	0-255	0-255

Sound	Display	Fade Time	Software Ver-
SoUA	LEd	nodE	UErn
	On Off	Mode 0 Mode 1 Mode 2 Mode 3	VE 2.0

Addr DMX Ad-

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

SLAU Slave

This function allows the fixture to copy all the pre programs the master fixture is doing. Please make sure the fixtures are connected via 3 pin XLR DMX connection. Press **Enter** to confirm the settings.

SP-- Speed Program

This function allows you to select the speed of the pre programs. Press **Enter** use the **up/down** keys to select desired speed settings from 0 to 15. Press **Enter** to confirm the settings.

Pr-- Pre Program

This function allows you to access the LED's Pre Programs. Press **Enter** use the **up/down** keys to select desired Pre Programs settings from 0 to 30. Press **Enter** to confirm the settings.

ASC - 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.

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.

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.

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 Dim-

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 Dim-

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.

SoUA Sound Mode

This function allows the fixture to snap from color to color via it's internal microphone. Press **Enter** to confirm the set-

⎿⎿⎕ **LED Display**

This function allows you to set the display to automatically turn off after it has not been used for 1 minute. Press **Enter** use the **up/down** keys to select desired setting **ON** for the display to stay on at all time or **OFF** for the display to automatically turn off. Press **Enter** to confirm the settings.

∩⎕⎕⎓ **Fade Time**

This function allows you to set the fade time. Press **Enter u**se the **up/down** keys to select desired fade time **0** will be the fastest fade time and **4** will be the slowest fade time . Press **Enter** to confirm the settings.

�∩ **Software Ver-**

This function allows you to confirm the software version you are using.

DMX Indicator

CONTROL BOARD

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.

Menu   Up   Down   Enter

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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 fix-

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 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
4035-MPCB	Main PCB card
4035-PS	Power Supply
4035-DIS	Display
4035-DF	Removable Diffusion Filter
4035-LED	LED Replacement
4035-KNOB	Knob Set

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.

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