

# MEGA LITE

## COLOR PAC Q900



## USER MANUAL

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Check that the unit has not been damaged during transport



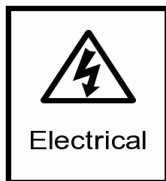
Read all cautions and warnings  
prior to operation of this  
equipment

#### Protection Against Fire



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 140°.

#### Protection Against Electrical Fire



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 fixture must not be left on for long periods of time.

#### Protection Against Mechanical Hazards



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.

#### Ingress Protection



The IP rating is commonly expressed as **IP (Ingress Protection)** is followed by 2 numbers (i.e. 65) where the numbers define the fixture rating. The first number indicates the size of a particle that can enter the fixture.. The second number indicates the extent of protection against water entering the fixture. An IP65 rating in this fixture indicates that dust particles can not enter the fixture. And there is protection against powerful water spray from entering the fixture from any direction.

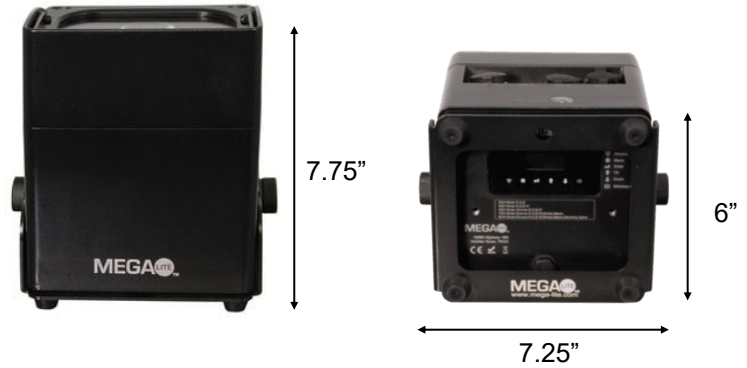
# Technical Information

## Part Numbers

**7320- Color PAC Q900**

## Mechanical Specifications

<b>DMX Wireless:</b>	Wireless Solutions W-DMX
<b>Thermal:</b>	Maximum ambient temperature 104° Maximum surface temperature 140°
<b>Fastening System:</b>	Screw Release Clamp Mount
<b>Base:</b>	Adjustable Angle Base
<b>Display:</b>	Touch Sensitive
<b>Power connection:</b>	Seetronics IP connection
<b>Ip Rating:</b>	Ip 65



Fixture	Packaged
Size: 7.25" x 6" x 7.75"	Size: 9.5" X 9.5" X 11"
Weight: 10lb	Weight: 11 lb

## Electrical Specifications

<b>LED Quantity:</b>	6	<b>LED Angle:</b>	8°
<b>LED Watt:</b>	8	<b>Ballast:</b>	Electronic
<b>Color Type:</b>	Red, Green , Blue and White	<b>Power Input Voltage:</b>	110V-240 50/60 Hz
<b>LED Lifetime:</b>	*60 to 100 thousand hours Average	<b>Power Consumption</b>	Watts: 36 Amps: .51

## Control & Programming

**DMX 512 Protocol** Via Wireless Solutions W-DMX or 3 pin XLR

<b>DMX Modes:</b>	Mode 1	3 Channels	Red, Green, Blue
	Mode 2	4 Channels	Red, Green, Blue, White
	Mode 3	5 Channels	Dimmer, Red, Green, Blue, White
	Mode 4	7 Channels	Dimmer, Red, Green, Blue, White, Strobe, Macro
	Mode 5	8 Channels	Dimmer, Red, Green, Blue, White, Strobe, Macro, Dimming Curve

**Control Options:** IR Controller (included)

## Battery Life

Average Battery Life:

<b>High Mode:</b>		<b>Low Mode:</b>	
Full Color:	4:35 Hr	Full Color:	8:10 Hr
Color Fading:	8:33 Hr	Color Fading:	14:00 Hr
Single Color:	15:00 Hr	Single Color:	25:40 Hr

**Battery Cycle Life:** 500 Recharges  
**Battery Type:** Li-Ion 11.1V 15.6AH

## Photometrics

Photometrics at 1 Meter

<b>Lux</b>	<b>10903.9</b>
<b>fc</b>	<b>1013.4</b>



# Main Power Connection

## Caution!

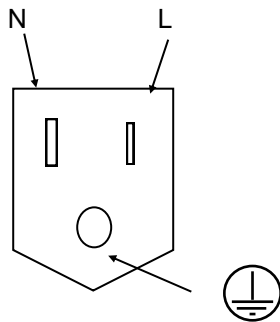
1. Do not connect fixture to a dimmer system.
2. This unit has Auto switching power supply. It will respond to 110V or 220V automatically
3. This unit must be earthed. (electronically grounded)

The occupation of the connection-cable is as follows:

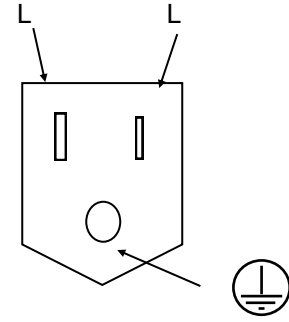
This fixture is equipped with an electronic power supply that will let the unit operate from 90V to 240V from 50Hz to

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



# IR Controller

To Enter IR control mode you must press On. And the fixture can't be set to Wireless DMX Control mode

## IR Controller Functions

1. On/Off Function= Red On, Black Off
2. Dimmer Function=Up/Down
3. Single Color= **R**ed, **G**reen, **B**lue, **W**hite
4. Mixed Color= 12 options
5. Flash= Fast Color Change
6. Strobe= Strobe the selected color
7. Fade= Fade between colors
8. Smooth=Smooth Color Fade



Note: IR Controller should be pointed directly at fixture output.


# Display Menu

The control board on the fixture 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



DMX Address	DMX Mode	Color Jump	Fade	Strobe	Red Dimmer	Green Dimmer	Blue Dimmer	White Dimmer	Display Screen	Dimming Mode
Addr	CHnd	ASC-	FADE	FLAS	rL--	gL--	bL--	wL--	LED	mode
1-512	3,4,5,7,8-Ch	0-99	0-99	0-99	0-255	0-255	0-255	0-255	0F10,30,60 or 90	0-4
Power Save	Display Lock	Software								
POU-	LoC	UErn								
Hi,Low	Off,On	Ve								

Use the Menu  Button to select Menu options

**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.

- 3CH Mode R,G,B
- 4CH Mode R,G,B,W
- 5CH Mode Dimmer,R,G,B,W
- 7CH Mode Dimmer,R,G,B,W, Strobe, Macro
- 8CH Mode Dimmer,R,G,B,W, Strobe, Macro, Dimming Curve

**ASC- Color Jump**

This function allows you to Switch Colors LED's from one color to another. Press **Enter** use the **up/down** keys to select desired fade speed settings from 0 to 99. 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 99. Press **Enter** to confirm the settings.

## FLASH 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 99. 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 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.

## WL-- 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.

## LED Display Screen

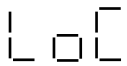
This function allows you to set the display turn off time. Press **Enter** use the **up/down** keys to select desired turn off time settings from 10,30,60 and 90 seconds. Press **Enter** to confirm the settings.

## node Dimming Mode

This function allows you to change dimming speeds all the LED's. Press **Enter** use the **up/down** keys to select desired dimming speed settings from 0 to 4 (0 fastest 4 slowest). Press **Enter** to confirm the settings.

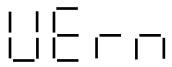
## POW- Power Save

This function allows you to place the fixture on power save mode for extending the battery life. Press **Enter** use the **up/down** keys to select desired intensity output from Hi to Low. Press **Enter** to confirm the settings.



## Lock

This function allows you to lock the fixture display. Press **Enter** use the **up/down** keys to select desired strobe speed settings from Off to On. Press **Enter** to confirm the settings. To unlock press and hold **enter** and **down** for 3 seconds.



## Software Version

This function informs you software version the units is operating under.

## DMX Profile

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### Color PAC Q900 3CH Mode

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

### Color PAC Q900 4CH Mode

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

### Color PAC Q900 5CH Mode

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

### Color PAC Q900 7CH Mode

DMX Chanel	Function	Description	Value	Init
1	Dimmer	Dimmer Off to Full	0-255	255
2	LED Color	Red LED intensity	0-255	255
3	LED Color	Green LED Intensity	0-255	255
4	LED Color	Blue LED Intensity	0-255	255
5	LED Color	White LED Intensity	0-255	255
6	Strobe	No Function	0-1	0
		Strobe (slow to fast)	2-196	
		Random Strobe (slow to fast)	197-255	



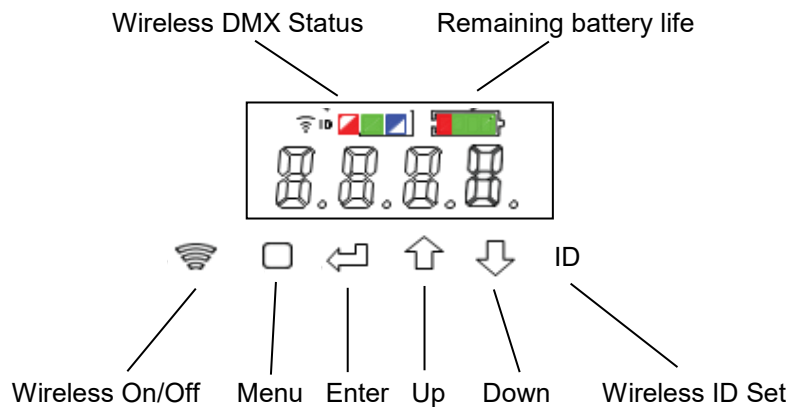
7	Macro	No Function	0-1	0
		Color fade All (slow to fast)	2-19	
		Color Snap All (slow to fast)	20-39	
		Random Color Snap (slow to fast)	40-59	
		Red fade (slow to fast)	60-79	
		Green fade (slow to fast)	80-99	
		Blue fade (slow to fast)	100-119	
		White fade (slow to fast)	120-139	
		Macro Effect 1	140-159	
		Macro Effect 2	160-179	
		Macro Effect 3	180-199	
		Macro Effect 4	200-219	
		Macro Effect 5	220-229	
		Macro Effect 6	230-249	
Macro Effect 7	250-255			

## Color PAC Q900 8CH Mode

DMX Chanel	Function	Description	Value	Init
1	Dimmer	Dimmer Off to Full	0-255	255
2	LED Color	Red LED intensity	0-255	255
3	LED Color	Green LED Intensity	0-255	255
4	LED Color	Blue LED Intensity	0-255	255
5	LED Color	White LED Intensity	0-255	255
6	Strobe	No Function	0-1	0
		Strobe (slow to fast)	2-196	
		Random Strobe (slow to fast)	197-255	
7	Macro	No Function	0-1	0
		Color fade All (slow to fast)	2-19	
		Color Snap All (slow to fast)	20-39	
		Random Color Snap (slow to fast)	40-59	
		Red fade (slow to fast)	60-79	
		Green fade (slow to fast)	80-99	
		Blue fade (slow to fast)	100-119	
		White fade (slow to fast)	120-139	
		Macro Effect 1	140-159	
		Macro Effect 2	160-179	
		Macro Effect 3	180-199	
		Macro Effect 4	200-219	
		Macro Effect 5	220-229	
		Macro Effect 6	230-249	
Macro Effect 7	250-255			
8	Dimming Curve	Use Display Setting	0-5	0
		Dimming 0	6-55	
		Dimming 1	56-105	
		Dimming 2	106-155	
		Dimming 3	156-205	
		Dimming 4	206-255	

# Wireless DMX Setup

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**Turn On:** Turn on the Wireless function by pressing the wireless On/Off to on.

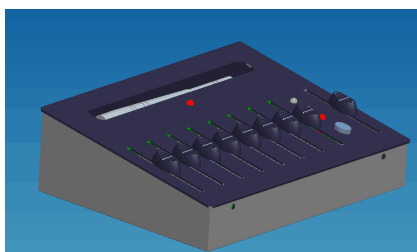
**Release Fixture:** To release the fixture from the connection of a previous signal. Press and hold the **ID** button for 3 seconds or until all 3 color indicators will turn on red, green and blue.

**Connect Fixture using a Mega Air Pro Transmitter:** To connect the fixture to a new connection. Press quickly the **Function** button on the Mega Air Pro Transmitter. The red, green and blue indicators will flash until signal is locked in. Once signal is located the indicator will slowly flash to Green.



**Connect Fixture using a Color Pac DMX Controller:** To connect the fixture to a new connection. Turn on the wireless function on the controller. Press quickly the ID button on the Color PAC DMX Controller. The red, green and blue indicators will flash until signal is locked in. Once signal is located the indicator will slowly flash to Green.

**Note:** Make sure the fixture is on DMX Mode with the correct start channel.



## 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.

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 Maintenance:** The operator has to make sure that the unit is operating safely and has the installations and electronics checked by an expert every year.

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 fuse. 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

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

## Parts List

7320-FG	Front Glass
7320-MPCB	Main PCB card
7320-PS	Power Supply
7320-DIS	Display
7320-LEDMOD	LED Module
7320-LED	Single LED
7310-KN	Knob Set
7320-BAT	Battery

## Accessories

7316	Color Pac 150 DMX (wireless controller)
7320-DF	Diffusion (included)
7320-CM	Clamp Mount (included)
7310-BAG	1 Unit Travel Bag
7320-6RC	6 Unit Road Case
7310-IRC	IR Controller (included)

# 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

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