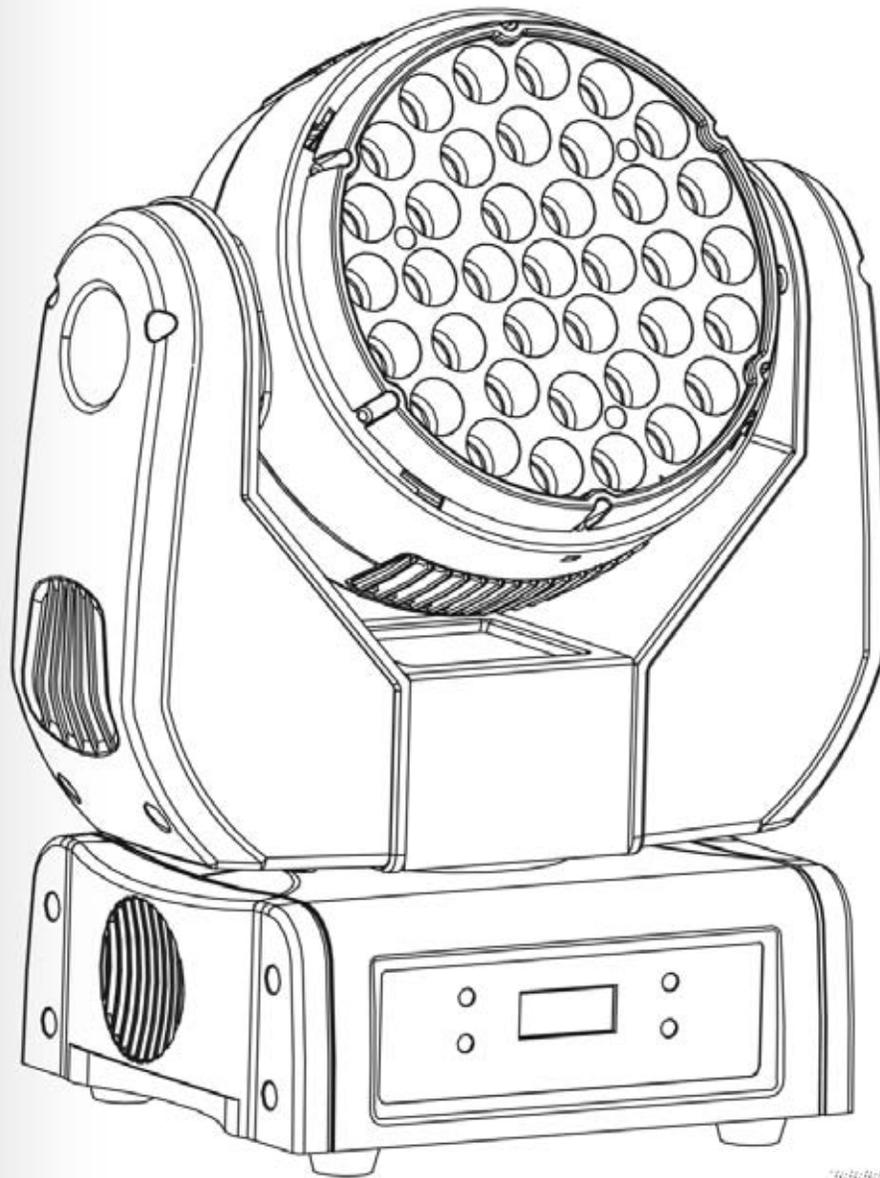


# **Q-WASH™ 260-LED**

**User Manual**



**CHAUVET®**

## Edition Notes

The Q-Wash 260-LED User Manual Rev. 07 covers the description, safety precautions, installation, programming, operation, and maintenance of the Q-Wash 260-LED. CHAUVET® released this edition of the Q-Wash 260-LED User Manual in September 2011.

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## Document Printing

For better results, print this document in color, on letter size paper (8.5 x 11 inches), double sided. If using A4 paper (210 x 297 mm), configure your printer to scale the content accordingly.

## Intended Audience

Any person in charge of installing, operating, and/or maintaining this product should read the guide that shipped with it as well as this manual in their entirety before installing, operating, or maintaining this product.

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## Document Revision

The Q-Wash 260-LED User Manual Rev. 07 supersedes all previous versions of this manual. Please discard any older versions of this manual you may have, whether in printed or electronic format, and replace them with this version.

| Author     | Date     | Editor    | Date     |
|------------|----------|-----------|----------|
| D. Coupepe | 10/18/11 | B. Pillow | 10/19/11 |

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# 1. Before You Begin

## What Is Included

- One Q-Wash 260-LED
- One IEC Power Cord with Edison plug (US market)
- One Safety Cable
- One Custom Cut 1° Color Blending Filter
- Two Omega Brackets
- Warranty Card
- Quick Reference Guide

## Unpacking Instructions

Immediately upon receiving this product, carefully unpack and check the container. Make sure you have received all the parts indicated above and all the parts are in good condition.

## Claims

If the container or the material inside the container (the product and included accessories) appear damaged from shipping, or show signs of mishandling, notify the carrier immediately, not CHAUVET®, upon receipt. Failure to do so in a timely manner may invalidate your claim with the carrier. In addition, keep the container and all the packing material for inspection.

For other issues such as missing components or parts, damage not related to shipping, or concealed damage, file a claim with CHAUVET® within seven (7) days of receiving the merchandise.

## Typographic Conventions

| Convention       | Meaning  |
|------------------|--|
| 1~512            | A range of values in the text                          |
| 50/60            | A set of mutually exclusive values in the text         |
| “COLORado™ 1 UM” | The name of another publication or manual              |
| <SET>            | A button on the product’s control panel                |
| Settings         | A product function or a menu option                    |
| MENU > Settings  | A sequence of menu options                             |
| 1~10             | A range of menu values from which to choose in a menu  |
| Yes/No           | A set of two mutually exclusive menu options in a menu |
| ON               | A unique value to be entered or selected in a menu     |

## Icon Meaning

| Icon | Meaning  |
|------|--|
|      | This icon indicates critical installation, configuration, or operation information. Failure to comply with this information may render the product partially or completely inoperative, damage third-party equipment, or cause harm to the user. |
|      | This icon indicates important installation or configuration information. Failure to comply with this information may prevent the product from functioning correctly.   |
|      | This icon indicates useful, although non-critical information.   |



The term “DMX” used throughout this document refers to the USITT DMX512-A transmission protocol.

## Product at a Glance

|                 |  |                           |  |
|-----------------|--|---------------------------|--|
| Use on Dimmer   |  | Auto Programs             |  |
| Outdoor Use     |  | Auto-ranging Power Supply |  |
| Sound Activated |  | Replaceable Fuse          |  |
| DMX             |  | User Serviceable          |  |
| Master/Slave    |  | Duty Cycle                |  |

## Safety Notes

It is important to read all these notes before starting to work with this product. The Safety Notes include important safety information about the installation, usage, and maintenance of this product.



**There are no user serviceable parts inside this product. Any reference to servicing you find from in this User Manual will only apply to properly certified CHAUVET® technicians. Do not open the housing or attempt any repairs unless you are certified.**



**Please refer to all applicable local codes and regulations for the proper installation of this product.**

### Personal Safety

- Avoid direct eye exposure to the light source while the product is on.
- Always disconnect this product from its power source before servicing.
- Always connect this product to a grounded circuit to avoid the risk of electrocution.
- Do not touch this product's housing when operating because it may be hot.

### Mounting and Rigging

- This product is for indoor use only! To prevent risk of fire or shock, do not expose this product to rain or moisture.
- Make sure there are no flammable materials close to this product while operating.
- When hanging this product, always secure it to a fastening device using a safety cable (included).
- Do not carry this product from the head; always use the handles.

### Power and Wiring

- Always make sure that you are connecting this product to the proper voltage, as per the specifications in this manual or on the product's sticker.
- Never connect this product to a dimmer pack or rheostat.
- Never disconnect this product by pulling or tugging on the power cable.

### Operation

- Do not operate this product if you see damage on the housing, lenses, or cables. In any of these cases, have the damaged parts replaced by an authorized technician at once.
- Do not cover the ventilation slots when the product is operating to avoid internal overheating.
- Do not aim this product toward the Sun. Otherwise, the lenses could concentrate the solar energy and cause internal overheating.
- The maximum ambient temperature is 104° F (40° C). Do not operate this product at a higher temperature.
- In case of a serious operating problem, stop using this product immediately!



**In the unlikely event that your CHAUVET® product may require service, please contact CHAUVET® Technical Support.**

## Expected LED Lifespan

LEDs gradually decline in brightness over time, mostly because of heat. Packaged in clusters, LEDs exhibit higher operating temperatures than in ideal, single LED conditions. For this reason, using clustered LEDs at their fullest intensity significantly reduces the LEDs' lifespan. Under normal conditions, this lifespan can be of 40,000 to 50,000 hours. If extending this lifespan is vital, lower the operational temperature by improving the product's ventilation and reducing the external temperature. In addition, limiting the overall projection intensity may also help to extend the LEDs' lifespan.

## 2. Introduction

### Product Description

The Q-Wash 260-LED is an RGB LED narrow beam wash moving head. The product consists of a base and a moving head on a yoke. The LEDs are inside ducts that, along with special optics, provide a very narrow beam angle. With the addition of the custom cut 1° color blending filter, the product will produce a homogenized beam of light.

### Features

- 9-channel: Pan, tilt, red, green, blue, color/macros, dimmer, strobe, control
- 12-channel: Pan, pan fine, tilt, tilt fine, pan/tilt speed, red, green, blue, color/macros, dimmer, strobe, control
- Pan: 540°
- Tilt: 270°
- RGB static color mixing with or without DMX control
- Electronic strobe (1~20 Hz)
- Electronic dimmer (0~100%)
- High power setting
- Remote product reset and vector speed channel
- Auto programs
- Sound activated programs
- 255-step fully customizable program
- Recall auto or custom programs via control panel or DMX
- Color temperature presets (3,200~10,000 K)
- Color calibration
- Custom cut 1° color blending filter
- Fan speed control

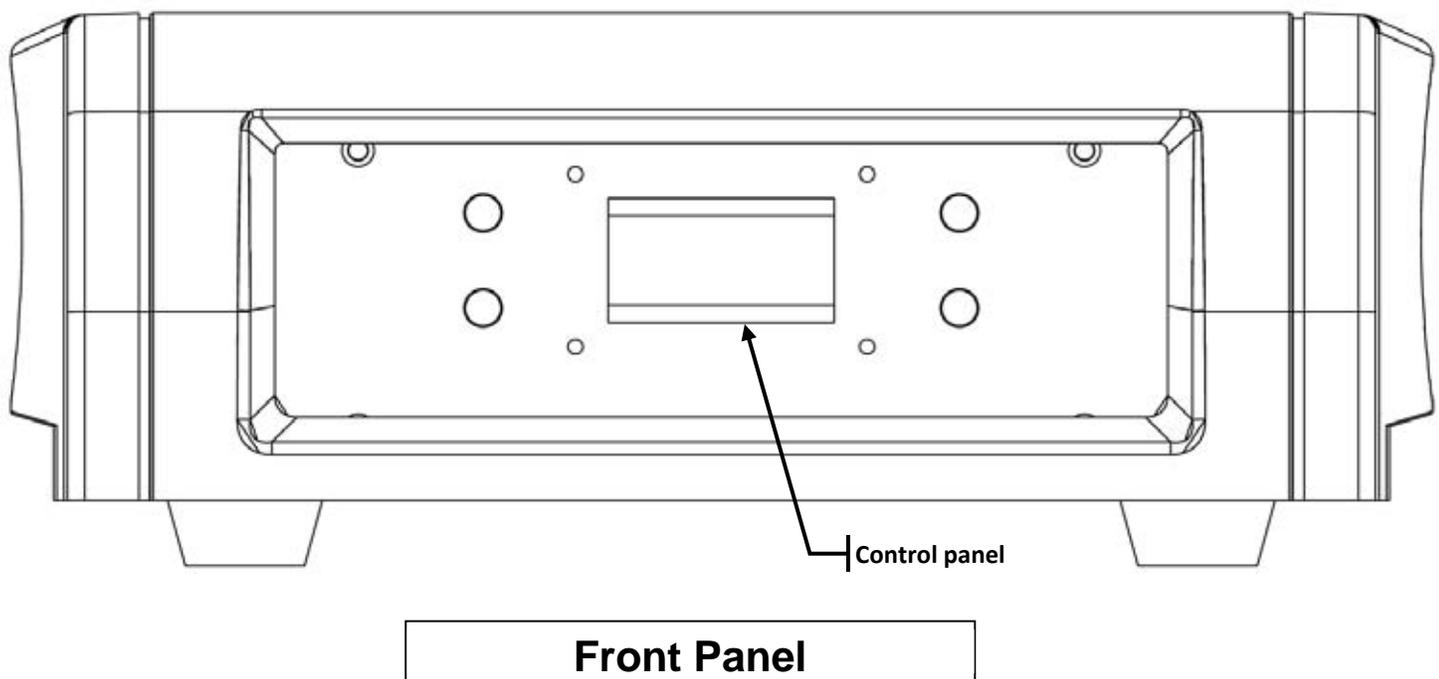
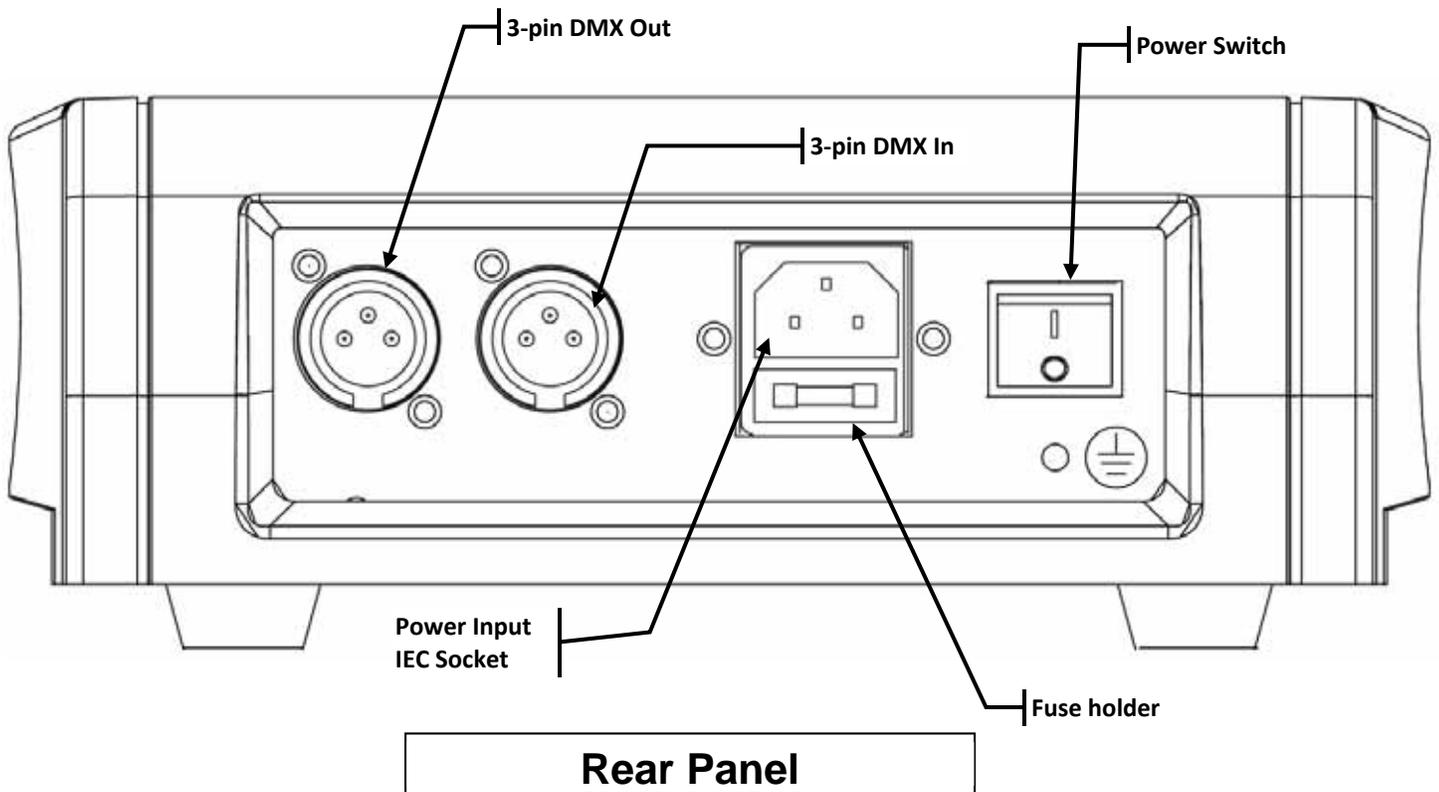
### Additional Features

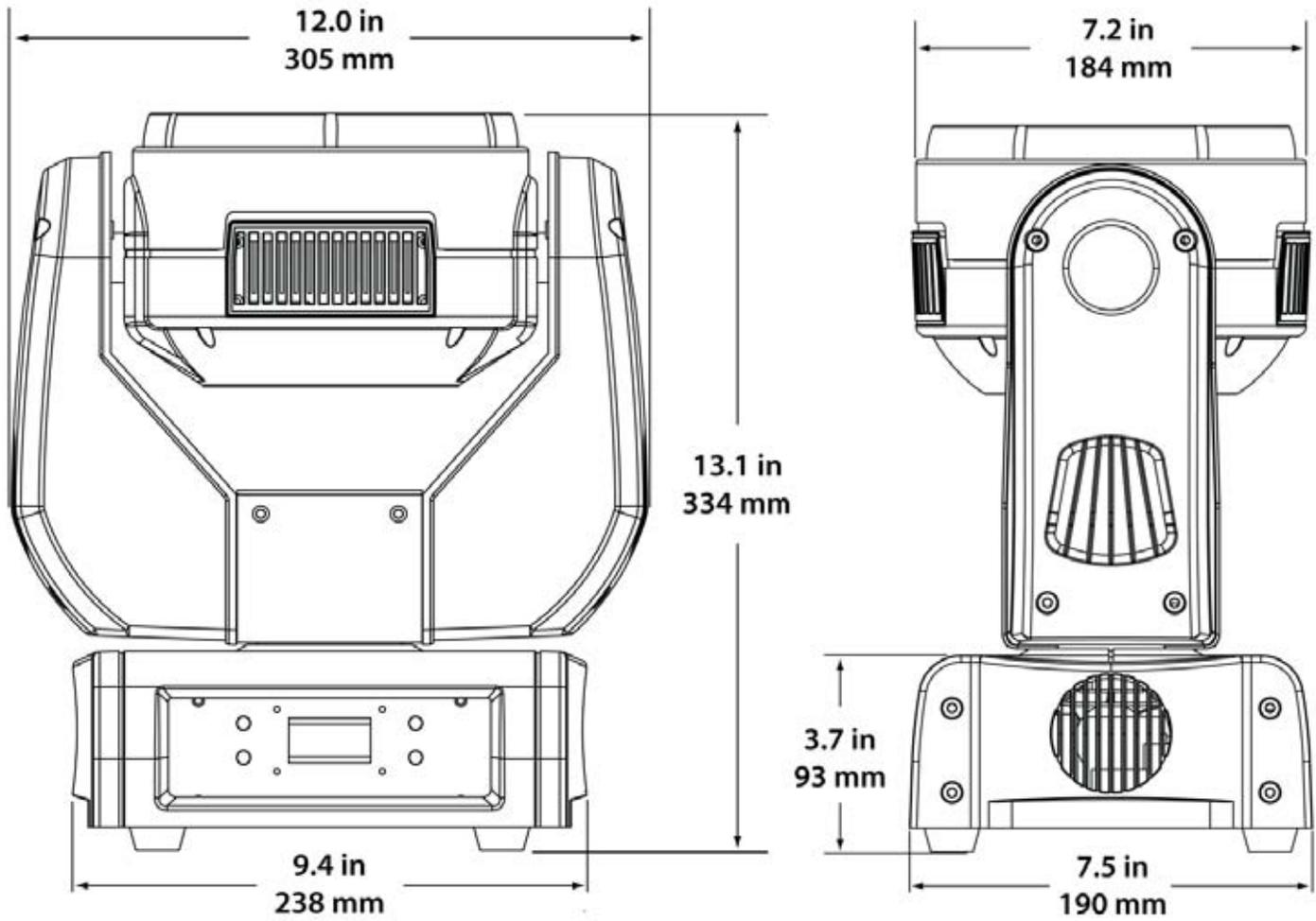
- 3-pin DMX input and output connectors
- LCD screen with password protection

### Options

- 5° diffusion filter (Item Code: 01110420)
- 10° diffusion filter (Item Code: 01110391)

## Product Overview



**Product Dimensions**

## 3. Setup

### AC Power

The Q-Wash 260-LED has an auto-ranging power supply that can work with an input voltage range of 100~240 VAC, 50/60 Hz.

Make sure that you are connecting this product to the proper voltage, as per the specifications in this guide or on the product's sticker.



**Always connect this product to a protected circuit with an appropriate electrical ground to avoid the risk of electrocution or fire.**

To determine the power requirements for the Q-Wash 260-LED see the label affixed to the side of the product. Alternatively, you may refer to the Technical Specifications chart in the Technical Information chapter of this manual.

The listed current rating indicates the maximum current draw during normal operation. For more information, you may download the "Sizing the Circuit Breakers" document from the CHAUVET® web site: [www.chauvetpro.com](http://www.chauvetpro.com).



**Never connect this product to a rheostat (variable resistor) or dimmer circuit, even if the rheostat or dimmer channel serves only as a 0 to 100% switch.**

### AC Plug

The Q-Wash 260-LED comes with a power input cord terminated with an IEC connector on one end and an Edison plug on the other end (US market). If the power input cord that came with your product has no plug or you need to change the Edison plug, use the table below to wire the new plug.

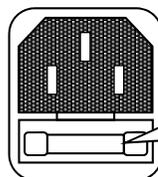
| Connection | Wire (US)    | Wire (Europe) | Screw Color (US) |
|------------|--------------|---------------|------------------|
| AC Live    | Black        | Brown         | Yellow or Brass  |
| AC Neutral | White        | Blue          | Silver           |
| AC Ground  | Green/Yellow | Green/Yellow  | Green            |



**Make sure to disconnect the product's power cord before replacing a blown fuse, and always replace with a fuse of the same type and rating.**

### Fuse Replacement

1. Wedge the tip of a flat head screwdriver into the slot of the fuse holder.
2. Pry out of the housing.
3. Remove the blown fuse from the holder and replace with a fuse of the exact same type and rating.
4. Insert the fuse holder back in place and reconnect power.



The fuse is located inside this compartment. Remove it using a flat head screwdriver.

## DMX Linking

You may link the Q-Wash 260-LED to a DMX controller using a standard DMX serial connection. If using other DMX compatible products with this product, it is possible to control them individually with a single DMX controller.

## DMX Modes

The Q-Wash 260-LED uses the standard DMX data connection for its Basic and Advanced DMX modes. You will find information about these DMX modes in the *Operation* chapter (configuration details), and the *DMX Values* section (individual channel values).

## Master/Slave Connectivity

The Master/Slave mode allows a Q-Wash 260-LED product to control one or more products of the same model without a DMX controller. The controlling product becomes the “master product” when running the Auto1, Auto2, Sound1, Sound 2, or Custom programs. You must configure the controlled (slave) products to operate in “SLAVE” mode from their respective control panels. During the Master/Slave operation, the slave products will operate in unison with the master product. .



If you are not familiar with the DMX standard, master/slave connectivity, or if you need information about the DMX cables needed to link this product to a DMX controller, you may download the document *DMX Primer* from the CHAUVET® website: [www.chauvetpro.com](http://www.chauvetpro.com).



**DO NOT connect a DMX controller to the products operating in Master/Slave mode. The DMX controller signals may interfere with the signals from the master unit.**



The *Operation* chapter of this manual provides detailed instructions on how to configure the Master and Slave units.

## Mounting

Before mounting this product, read and follow the safety recommendations indicated in the Safety Notes section (page 2 of this manual).

## Orientation

Always mount this product in any safe position while making sure that there is adequate room around it for ventilation, head motion, configuration, and maintenance.

## Rigging

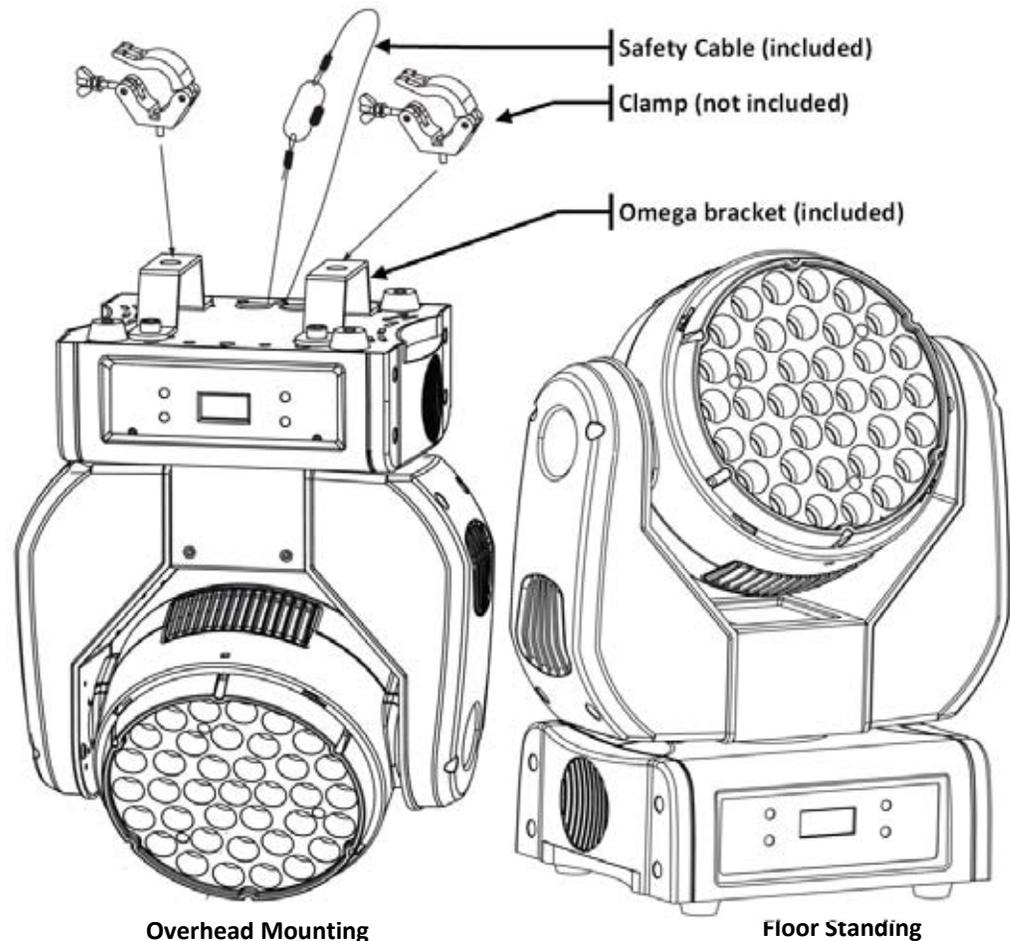
CHAUVET® recommends following the general guidelines below when mounting this product.

- When selecting an installation location, consider ease of access to the product for operation, programming adjustments, and routine maintenance.
- Make sure to mount this product away from any flammable material, as indicated in the Safety Notes section or obstructions that may block the moving head.
- Never mount the product in places where rain, high humidity, extreme temperature changes, or restricted ventilation may affect it.
- If hanging this product, make sure that the location where you are mounting it can support its weight. Please see the Technical Specifications section of this manual for the weight requirement of this product.

## Procedure

The Q-Wash 260-LED comes with two omega brackets to which you can attach clamps. You must supply your own clamps and make sure that they are capable of supporting the weight of this product. You will have to use two mounting points per product. The omega brackets also serve to anchor this product to a panel. For floor standing operation, this product has built-in rubber feet.

## Product Mounting Diagram



## 4. Operation

### Control Panel Description

| Button  | Function   |
|---------|--|
| <MENU>  | Exits from the current menu or function  |
| <ENTER> | Enables the currently displayed menu or sets the currently selected value in to the current function |
| <UP>    | Navigates upwards through the menu list and increases the numeric value when in a function           |
| <DOWN>  | Navigates downwards through the menu list and decreases the numeric value when in a function         |

### Control Options

You can set the Q-Wash 260-LED start address in the 001~512 DMX range. This enables control of up to 42 products in the 12-channel **ADVANCED** personality.

### Programming

Refer to the *Menu Map* section to learn how the menu options relate to each other. The menu map has a Menu Level and a variable number of programming levels for each option.

- To go to an option in the Menu Level, press <MENU> repeatedly until the option shows on the display. Press <ENTER> to select it. This will take you to the first programming level for that option.
- To select an option or value within the current programming level, press <UP> or <DOWN> until the option or value shows on the display. Press <ENTER> to select. In this case, if there is another programming level, you will see that first option. Otherwise, you will see the selected value.
- To exit to the previous menu level, press <MENU>.



**In the EDIT menu, <UP> and <DOWN> will only change the value of the current option. To change to the next option, press <ENTER>.**

### DMX Operation

1. Select DMX operation.
  - a. Go to **MENU > INTRO > RUN**.
  - b. Select **DMX512**.
2. Select a DMX mode.
  - a. Go to **MENU > INTRO > CHANNELS**.
  - b. Select **BASIC** or **ADVANCED**.
3. Select the starting address.
  - a. Go to **MENU > INTRO > ADDRESS**.
  - b. Select a starting address, **001~500** (Advanced) or **001~504** (Basic).

**The highest possible starting address for each DMX mode is as follows:**

| DMX Mode | DMX Address |
|----------|-------------|
| Basic    | 504         |
| Advanced | 500         |



### Stand-alone Operation

1. Go to **MENU > INTRO > RUN**.
2. Select a stand-alone operation mode (**AUTO 1, AUTO 2, CUSTOM, SOUND 1, SOUND 2, or TEST**).



**Of all the stand-alone operation modes indicated above, only “CUSTOM” is editable (see Edit Custom).**

## Master/Slave

The Master/Slave mode allows a group of Q-Wash 260-LED products (the slaves) to simultaneously duplicate the output of another Q-Wash 260-LED (the master), whether auto/custom or static modes, without a DMX controller.

1. Set the master unit:
  - a. Select a stand-alone mode, as indicated *Stand-alone Operation* section.
2. Set each of the slave units:
  - a. Go to **MENU > INTRO > RUN**.
  - b. Select **SLAVE**.



- **Do not connect a DMX controller to the master or slave products.**
- **The master unit should be the first unit in the DMX daisy chain.**

## Display Mode

This mode defines how the LCD's backlight will work.

1. Go to **MENU > INTRO > DISPLAY**.
2. Select a display mode (**60 CLOSE** or **BRIGHT**).



- **When in the “60 CLOSE” setting, the LCD’s backlight will turn off after 60 s.**
- **When in the “BRIGHT” setting, the LCD’s backlight will stay on.**

## Software Version

This option will show the installed software version.

1. Go to **MENU > INTRO > INFO**.
2. The display will show **Edition**.
3. Press **<ENTER>** to see the installed software version.

## Keylock

This option enables or disables the LCD key.

1. Go to **MENU > INTRO > KEYLOCK**.
2. Select **YES** or **NO**.



**When in the “YES” setting, the user will have to enter the password after 30 seconds of control panel inactivity or each time he/she turns the product on.**



**The default (non-modifiable) password is <UP>, <DOWN>, <UP>, <DOWN>, and <ENTER>.**

## Fan

You can select the fan operation mode, as follows:

1. Go to **MENU > INTRO > FANS**.
2. Select **HIGH**, **NORMAL**, **LOW**, or **AUTO**.



**The product’s controller will force the fan to High if the product’s internal temperature becomes too high, despite any manual or DMX setting.**

## Reset

This option allows you to reset all custom settings to their default values.

1. Go to **MENU > INTRO > RESET**.
2. Select **YES** or **NO**.

## Dimmer Curve

This setting determines how fast the output of the Q-Wash 260-LED changes when the operator modifies the values of the Red, Green, Blue, and Dimmer faders. This setting gives the user four different options to simulate the dimming curve of an incandescent lighting product.

To select the dimmer curve, do the following:

1. Go to **MENU > INTRO > DIMMER**.
2. Select **DIMMER 0~4**.

**DIMMER 0:** The output is proportional (linear) to the Dimmer and RGB channel values.

**DIMMER 1~4:** The output follows the Dimmer and RGB channel values based on the corresponding dimmer curve, being **DIM1** the fastest and **DIM4** the slowest.



## Fader Reversal

This option allows you to define how the pan, tilt, and dimmer increase based on the direction you move the corresponding fader.

1. Go to **MENU > INVERT > PAN**.
2. Select a fader direction (**NORMAL** or **REVERSE**).
3. Go to **MENU > INVERT > TILT**.
4. Select a fader direction (**NORMAL** or **REVERSE**).
5. Go to **MENU > INVERT > DIMMER**.
6. Select a fader direction (**NORMAL** or **REVERSE**).
7. Go to **MENU > INVERT > USE**.
8. Select **YES** to activate the new settings or **NO** to stop using them.

- When in **NORMAL**, the pan, tilt, and dimmer values will increase as the position of the respective fader increases.
- When in **REVERSE**, the pan, tilt, and dimmer values will decrease as the position of the respective fader increases.



## Range Limitation

When it is necessary to limit the pan or tilt range, you can do the following:

1. Go to **MENU > RANGE > P/START**.
2. Select the starting point for the limited pan (**000~255**).
3. Go to **MENU > RANGE > P/FINISH**.
4. Select the finishing point for the limited pan (**000~255**).
5. Go to **MENU > RANGE > T/START**.
6. Select the starting point for the limited tilt (**000~255**).
7. Go to **MENU > RANGE > T/FINISH**.
8. Select the finishing point for the limited tilt (**000~255**).
9. Go to **MENU > RANGE > USE**.
10. Select **YES** to activate the new settings or **NO** to stop using them.

## Reset Control

It is possible to select how you can reset the product, whether with the DMX controller or only from the control panel.

1. Go to **MENU > SPECIAL > RESET**.
2. Select **DMX** or **SYSTEM**.



**DMX:** Enables the DMX controller to reset the product (**Control** function).

**SYSTEM:** Restricts the reset function to the control panel..

## Move-in Black

This option allows you to activate or deactivate the move-in black 3-seconds delay.

1. Go to **MENU > SPECIAL > BLACK**.
2. Select **YES** to enable the 3 seconds delay or **NO** to make the blackout immediate.

## Power

You may use this function to boost the output power for specific, short-term applications.

1. Go to **MENU > SPECIAL > POWER**.
2. Select **NORMAL** or **HIGH**.



**The product will return to Normal if the LEDs' temperature becomes too high.**

## Color Settings

The **COLOR** setting determines how the Q-Wash 260-LED generates the white color based on various RGB settings.

1. Go to **MENU > SPECIAL > COLOR**.
2. Select **OFF**, **RGBTOW**, or **UC**.

**UC:** When the RGB faders are set to "255", the output matches that of less efficient products (Universal Color).



**RGBTOW:** When the RGB faders are all set to "255", the resulting output is defined by **RGB-W** (see **MENU > EXTRA > CALIB**).

**OFF:** When the RGB faders are all set to "255", the output is maximum, although the resulting white color may not be balanced.

### Fan Control

This option defines how you can control the fan speed, whether with the DMX controller or only from the control panel.

1. Go to **MENU > SPECIAL > FAN**.
2. Select **DMX** or **SYSTEM**.

**DMX:** Enables the DMX controller to control the fan speed (**Control** function).

**SYSTEM:** Restricts the control of the fan speed to the control panel..



### Color Calibration

If necessary, you may adjust the color temperature of each of the macros (**White1~11**).

1. Go to **MENU > EXTRA**.
2. Press **<ENTER> (PASSWORD)** will show on the display.
3. Press **<ENTER>** (\*\*\*\* will show on the display).
4. Enter the password, as explained in **Keylock (CALIB** will show on the display).
5. Press **<ENTER>** (**3200K** will show on the display).
6. Use **<UP>** or **<DOWN>** to select another color temperature (3400~10000 K), or press **<ENTER>** to edit the current temperature.
7. Select **RED, GREEN, or BLUE**.
8. Select a value (**000~255**).
9. Repeat for the other colors.

### White Calibration

You may calibrate the white color shown when the RGB faders are at “255” and the **MENU > SPECIAL > COLOR** setting is **RGBTOW**.

1. Go to **MENU > EXTRA**.
2. Press **<ENTER> (PASSWORD)** will show on the display.
3. Press **<ENTER>** (\*\*\*\* will show on the display).
4. Enter the password, as explained in **Keylock (CALIB** will show on the display).
5. Press **<ENTER>** (**3200K** will show on the display).
6. Use **<UP>** or **<DOWN>** to select **RGBW**.
7. Select **RED, GREEN, or BLUE**.
8. Select a value (**000~255**).
9. Repeat for the other colors.



## Menu Map

| 1 <sup>st</sup> Level | 2 <sup>nd</sup> Level | 3 <sup>rd</sup> Level                     | Description  |  |
|-----------------------|-----------------------|---|--|--|
| INTRO                 | ADDRESS               | 001~512                                   | Selects a starting DMX address   |  |
|                       | RESET                 | NO/YES                                    | Resets the product's custom settings   |  |
|                       | FAN                   |   | HIGH   | Select the fan's operation mode.   |
|                       |                       |   | NORMAL   | <b>NOTE:</b> The fan will go to <b>High</b> mode if the product's internal temperature becomes too high, despite any manual or DMX setting |
|                       |                       |   | LOW  |  |
|                       |                       |   | AUTO   |  |
|                       | RUN                   |   | DMX512   | Selects DMX running mode   |
|                       |                       |   | AUTO 1   | Selects the first automatic program  |
|                       |                       |   | AUTO 2   | Selects the second automatic program   |
|                       |                       |   | CUSTOM   | Selects the user customizable program  |
|                       |                       |   | SLAVE  | Selects the slave running mode   |
|                       |                       |   | TEST   | Starts the product's test sequence   |
|                       |                       |   | SOUND 1  | Starts products sound 1 mode   |
|                       | SOUND 2               | Starts products sound 2 mode              |  |  |
|                       | CHANNELS              |   | BASIC  | Selects the 9-channel DMX mode   |
|                       |                       |   | ADVANCED   | Selects the 12-channel DMX mode  |
|                       | DISPLAY               |   | 60 CLOSE   | Turns off the display after 60 seconds   |
| BRIGHT                |                       |   | Keeps the display on   |  |
| KEYLOCK               |                       | NO/YES                                    | Activates/deactivates the control panel password   |  |
| DIMMER                |                       | DIMMER4~1                                 | Slow ( <b>DIMMER4</b> ) to fast ( <b>DIMMER1</b> ) dimmer curves   |  |
|                       |                       | DIMMER0                                   | Linear dimmer  |  |
| INFO                  |                       | EDITION                                   | Shows the version of the installed S/W   |  |
| INVERT                | PAN                   | NORMAL/<br>REVERSE                        | Defines the direction of the pan fader   |  |
|                       | TILT                  |   | Defines the direction of the tilt fader  |  |
|                       | DIMMER                |   | Defines the direction of the dimmer fader  |  |
|                       | USE                   | NO/YES                                    | Activates the changes  |  |
| RANGE                 | P/START               | 000~255                                   | Sets the pan start point (restricted range)  |  |
|                       | P/FINISH              |   | Sets the pan end point (restricted range)  |  |
|                       | T/START               |   | Sets the tilt start point (restricted range)   |  |
|                       | T/FINISH              |   | Sets the tilt end point (restricted range)   |  |
|                       | USE                   |   | Activates the changes  |  |
| SPECIAL               | BLACKD                | NO/YES                                    | Activates the move-in black delay (3 s)  |  |
|                       | RESET                 | DMX                                       | The DMX controller can reset the product   |  |
|                       |                       | SYSTEM                                    | The control panel can reset the product  |  |
|                       | POWER                 | NORMAL/<br>HIGH                           | LEDs illuminate at normal or high intensity<br><b>NOTE:</b> The product will return to <b>Normal</b> if the LEDs' temperature becomes too high |  |
|                       | COLOR                 | UC  | RGBW = 255: The output matches that of older products  |  |
|                       |                       | RGBTOW                                    | RGBW = 255: The RGBW output is set by <b>RGB-W</b>   |  |
|                       |                       | OFF                                       | RGBW = 255: The RGBW output is maximum   |  |
| FAN                   | DMX                   | The DMX controller can set the fan speed  |  |  |
|                       | SYSTEM                | The control panel can reset the fan speed |  |  |
| EDIT                  | STEP                  | 000~255                                   | Selects the program step   |  |
|                       | PAN                   |   | Selects the pan position   |  |
|                       | TILT                  |   | Selects the tilt position  |  |
|                       | SPEED                 |   | Selects the pan/tilt speed   |  |
|                       | RED                   |   | Combines red, green, and blue to obtain a custom color   |  |
|                       | GREEN                 |   |  |  |
|                       | BLUE                  |   |  |  |

Continues on the next page

| 1 <sup>st</sup> Level | 2 <sup>nd</sup> Level | 3 <sup>rd</sup> Level | Description                             |
|-----------------------|-----------------------|-----------------------|---|
| EDIT<br>(Cont.)       | DIMMER                | 000~255               | Selects the dimmer value                |
|                       | STROBE                | 01~20                 | Selects the strobe frequency and mode   |
|                       | DIMSPEED              |                       | Selects the dimmer speed                |
|                       | TIME                  |                       | Selects the step duration               |
|                       | USE                   | NO/YES                | Activates the changes                   |
| EXTRA                 | PASSWORD              | ****                  | Opens the <b>Extra</b> menu (see below) |

### Extra Menu

| 1 <sup>st</sup> Level | 2 <sup>nd</sup> Level | 3 <sup>rd</sup> Level   | 4 <sup>th</sup> Level | Description                                |
|-----------------------|-----------------------|---|-----------------------|--|
| CALIB                 | 3200 K                | RED   | 000~255               | Sets color temperature for <b>White 1</b>  |
|                       |                       | GREEN   |                       |  |
|                       |                       | BLUE  |                       |  |
|                       | 3400 K                | RED   |                       | Sets color temperature for <b>White 2</b>  |
|                       |                       | GREEN   |                       |  |
|                       |                       | BLUE  |                       |  |
|                       | 4200 K                | RED   |                       | Sets color temperature for <b>White 3</b>  |
|                       |                       | GREEN   |                       |  |
|                       |                       | BLUE  |                       |  |
|                       | 4900 K                | RED   |                       | Sets color temperature for <b>White 4</b>  |
|                       |                       | GREEN   |                       |  |
|                       |                       | BLUE  |                       |  |
|                       | 5600 K                | RED   |                       | Sets color temperature for <b>White 5</b>  |
|                       |                       | GREEN   |                       |  |
|                       |                       | BLUE  |                       |  |
|                       | 5900 K                | RED   |                       | Sets color temperature for <b>White 6</b>  |
|                       |                       | GREEN   |                       |  |
|                       |                       | BLUE  |                       |  |
|                       | 6500 K                | RED   |                       | Sets color temperature for <b>White 7</b>  |
|                       |                       | GREEN   |                       |  |
|                       |                       | BLUE  |                       |  |
|                       | 7200 K                | RED   |                       | Sets color temperature for <b>White 8</b>  |
|                       |                       | GREEN   |                       |  |
|                       |                       | BLUE  |                       |  |
|                       | 8000 K                | RED   |                       | Sets color temperature for <b>White 9</b>  |
|                       |                       | GREEN   |                       |  |
|                       |                       | BLUE  |                       |  |
|                       | 000 K                 | RED   |                       | Sets color temperature for <b>White 10</b> |
|                       |                       | GREEN   |                       |  |
|                       |                       | BLUE  |                       |  |
| 8500 K                | RED                   | Sets color temperature for <b>White 11</b>                          |                       |  |
|                       | GREEN                 |   |                       |  |
|                       | BLUE                  |   |                       |  |
| 10000 K               | RED                   | Sets color temperature for<br><b>SPECIAL &gt; COLOR &gt; RGBTOW</b> |                       |  |
|                       | GREEN                 |   |                       |  |
|                       | BLUE                  |   |                       |  |
| DEFAULT               | DEFAULT               | NO/YES  | N/A                   | Defaults the product to factory settings   |

## DMX Values

## BASIC

| Channel   | Function              | Value     | Percent/Setting                       |
|-----------|-----------------------|-----------|---------------------------------------|
| 1         | Pan                   | 000 ⇔ 255 | 0~540°                                |
| 2         | Tilt                  | 000 ⇔ 255 | 0~270°                                |
| 3         | Red                   | 000 ⇔ 255 | 0~100%                                |
| 4         | Green                 | 000 ⇔ 255 | 0~100%                                |
| 5         | Blue                  | 000 ⇔ 255 | 0~100%                                |
| 6         | Power and Color Macro | 000 ⇔ 005 | No function                           |
|           |                       | 006 ⇔ 010 | High power                            |
|           |                       | 011 ⇔ 030 | R: 100%    G: Up    B: 0%             |
|           |                       | 031 ⇔ 050 | R: Down    G: 100%    B: 0%           |
|           |                       | 051 ⇔ 070 | R: 0%    G: 100%    B: Up             |
|           |                       | 071 ⇔ 090 | R: 0%    G: Down    B: 100%           |
|           |                       | 091 ⇔ 110 | R: Up    G: 0%    B: 100%             |
|           |                       | 111 ⇔ 130 | R: 100%    G: 0%    B: Down           |
|           |                       | 131 ⇔ 150 | R: 100%    G: Up    B: Up             |
|           |                       | 151 ⇔ 170 | R: Down    G: Down    B: 100%         |
|           |                       | 171 ⇔ 200 | R: 100%    G: 100%    B: 100%         |
|           |                       | 201 ⇔ 205 | White 1: 3200 K                       |
|           |                       | 206 ⇔ 210 | White 2: 3400 K                       |
|           |                       | 211 ⇔ 215 | White 3: 4200 K                       |
|           |                       | 216 ⇔ 220 | White 4: 4900 K                       |
|           |                       | 221 ⇔ 225 | White 5: 5600 K                       |
|           |                       | 226 ⇔ 230 | White 6: 5900 K                       |
| 231 ⇔ 235 | White 7: 6500 K       |           |                                       |
| 236 ⇔ 240 | White 8: 7200 K       |           |                                       |
| 241 ⇔ 245 | White 9: 8000 K       |           |                                       |
| 246 ⇔ 250 | White 10: 8500 K      |           |                                       |
| 251 ⇔ 255 | White 11: 10,000 K    |           |                                       |
| 7         | Dimmer                | 000 ⇔ 255 | 0~100%                                |
| 8         | Strobe                | 000 ⇔ 009 | No function                           |
|           |                       | 010 ⇔ 255 | 01~20 Hz                              |
| 9         | Control               | 000 ⇔ 019 | No function                           |
|           |                       | 020 ⇔ 039 | Pan/tilt black activation             |
|           |                       | 040 ⇔ 059 | Pan/tilt black deactivation           |
|           |                       | 060 ⇔ 079 | Automatic fan speed                   |
|           |                       | 080 ⇔ 099 | Slow fan speed                        |
|           |                       | 100 ⇔ 119 | Normal fan speed                      |
|           |                       | 120 ⇔ 139 | High fan speed                        |
|           |                       | 140 ⇔ 149 | Auto program 1 (3 s activation delay) |
|           |                       | 150 ⇔ 159 | Auto program 2 (3 s activation delay) |
|           |                       | 160 ⇔ 169 | Test (3 s activation delay)           |
|           |                       | 170 ⇔ 179 | Custom program (3 s activation delay) |
|           |                       | 180 ⇔ 199 | Sound mode active                     |
|           |                       | 200 ⇔ 219 | Reset (3 s activation delay)          |
|           |                       | 220 ⇔ 255 | No function                           |

**ADVANCED**

| Channel   | Function              | Value     | Percent/Setting                       |
|-----------|-----------------------|-----------|---------------------------------------|
| 1         | Pan                   | 000 ⇔ 255 | 0~540°                                |
| 2         | Pan Fine              | 000 ⇔ 255 | Fine movement control                 |
| 3         | Tilt                  | 000 ⇔ 255 | 0~270°                                |
| 4         | Tilt Fine             | 000 ⇔ 255 | Fine movement control                 |
| 5         | Pan/Tilt Speed        | 000 ⇔ 255 | Fast~Slow                             |
| 6         | Red                   | 000 ⇔ 255 | 0~100%                                |
| 7         | Green                 | 000 ⇔ 255 | 0~100%                                |
| 8         | Blue                  | 000 ⇔ 255 | 0~100%                                |
| 9         | Power and Color Macro | 000 ⇔ 005 | No function                           |
|           |                       | 006 ⇔ 010 | High power                            |
|           |                       | 011 ⇔ 030 | R: 100%    G: Up        B: 0%         |
|           |                       | 031 ⇔ 050 | R: Down    G: 100%    B: 0%           |
|           |                       | 051 ⇔ 070 | R: 0%        G: 100%    B: Up         |
|           |                       | 071 ⇔ 090 | R: 0%        G: Down     B: 100%      |
|           |                       | 091 ⇔ 110 | R: Up         G: 0%        B: 100%    |
|           |                       | 111 ⇔ 130 | R: 100%    G: 0%        B: Down       |
|           |                       | 131 ⇔ 150 | R: 100%    G: Up        B: Up         |
|           |                       | 151 ⇔ 170 | R: Down    G: Down     B: 100%        |
|           |                       | 171 ⇔ 200 | R: 100%    G: 100%    B: 100%         |
|           |                       | 201 ⇔ 205 | White 1:    3200 K                    |
|           |                       | 206 ⇔ 210 | White 2:    3400 K                    |
|           |                       | 211 ⇔ 215 | White 3:    4200 K                    |
|           |                       | 216 ⇔ 220 | White 4:    4900 K                    |
|           |                       | 221 ⇔ 225 | White 5:    5600 K                    |
|           |                       | 226 ⇔ 230 | White 6:    5900 K                    |
| 231 ⇔ 235 | White 7:    6500 K    |           |                                       |
| 236 ⇔ 240 | White 8:    7200 K    |           |                                       |
| 241 ⇔ 245 | White 9:    8000 K    |           |                                       |
| 246 ⇔ 250 | White 10:   8500 K    |           |                                       |
| 251 ⇔ 255 | White 11:   10,000 K  |           |                                       |
| 10        | Dimmer                | 000 ⇔ 255 | 0~100%                                |
| 11        | Strobe                | 000 ⇔ 009 | No function                           |
|           |                       | 010 ⇔ 255 | 01~20 Hz                              |
| 12        | Control               | 000 ⇔ 019 | No function                           |
|           |                       | 020 ⇔ 039 | Pan/tilt black activation             |
|           |                       | 040 ⇔ 059 | Pan/tilt black deactivation           |
|           |                       | 060 ⇔ 079 | Automatic fan speed                   |
|           |                       | 080 ⇔ 099 | Slow fan speed                        |
|           |                       | 100 ⇔ 119 | Normal fan speed                      |
|           |                       | 120 ⇔ 139 | High fan speed                        |
|           |                       | 140 ⇔ 149 | Auto program 1 (3 s activation delay) |
|           |                       | 150 ⇔ 159 | Auto program 2 (3 s activation delay) |
|           |                       | 160 ⇔ 169 | Test (3 s activation delay)           |
|           |                       | 170 ⇔ 179 | Custom program (3 s activation delay) |
|           |                       | 180 ⇔ 199 | Sound mode active                     |
|           |                       | 200 ⇔ 219 | Reset (3 s activation delay)          |
|           |                       | 220 ⇔ 255 | No function                           |

## 5. Technical Information

### Product Maintenance

To maintain optimum performance and minimize wear, the user should clean this product frequently. Usage and environment are contributing factors in determining the cleaning frequency.

As a rule, the user should clean this product at least twice a month. Dust build up reduces light output performance and can cause overheating. This can lead to reduced light source life and increased mechanical wear.

To clean a product, follow the recommendations below:

- Unplug the product from power.
- Wait until the product is has cooled.
- Use a vacuum (or dry compressed air) and a soft brush to remove dust collected on the external vents and accessible internal components.
- Clean all external optics and glass surfaces with a mild solution of non-ammonia glass cleaner or isopropyl alcohol.
- Apply the solution directly to a soft, lint-free cotton cloth or a lens cleaning tissue.
- Drag any dirt or grime to the outside of the glass surface.
- Gently polish the glass surfaces until they are free of haze and lint.



**Always dry the external optics and glass surfaces carefully after cleaning them.**



**Refrain from spinning this product's fans using compressed air.**

## Troubleshooting Guide

| Symptom   | Cause(s)                            | Action(s)  |
|---|-------------------------------------|--|
| Product is on LEDs are off                                    | Product defaulted                   | Configure product's parameters   |
|   | Faulty LED board                    | Send unit for repair   |
|   | Faulty LED Driver board             |  |
|   | Faulty LED Control board            |  |
|   | Faulty Display board                |  |
| Product and LEDs are on Head fan is off                       | Faulty head fan                     | Send unit for repair   |
|   | Faulty sensor or wiring             | Send unit for repair   |
| Pan movement problem  | Faulty sensor                       | Send unit for repair   |
|   | Faulty pan belt                     | Send unit for repair   |
|   | Faulty pan motor                    | Send unit for repair   |
|   | Faulty Display board                | Send unit for repair   |
| Tilt movement problem   | Faulty tilt sensor                  | Send unit for repair   |
|   | Faulty tilt belt                    | Send unit for repair   |
|   | Faulty tilt motor                   | Send unit for repair   |
|   | Faulty Display board                | Send unit for repair   |
| Circuit breaker/fuse keeps tripping/blowing                   | Excessive circuit load              | Reduce total load placed on the electrical circuit   |
|   | Short circuit along the power wires | Check electrical wiring  |
| Product does not power up                                     | No power                            | Check for voltage on outlet  |
|   | Loose or damaged power cord         | Check power cord   |
|   | Blown fuse                          | Replace fuse   |
|   | Faulty internal power supply        | Send unit for repair   |
| Product does not respond to wired DMX or responds erratically | Wrong DMX addressing                | Check unit addressing  |
|   | Damaged DMX cables                  | Check DMX cables   |
|   | Wrong polarity on the controller    | Check polarity switch settings on the controller   |
|   | Loose DMX cables                    | Check cable connections  |
|   | Non DMX cables                      | Use only DMX compatible cables   |
|   | Bouncing signals                    | Install terminator as suggested  |
|   | Long cable / low level signal       | Install an optically coupled DMX splitter before a long section of cable or right after the product with the strong signal |
|   | Too many products                   | Install an optically coupled DMX splitter after unit #32   |
|   | Interference from AC wires          | Keep DMX cables separated from power cables or fluorescent/black lights  |
| Faulty Display board  | Send unit for repair                |  |



**If you still experience technical problems after trying the above solutions or if you need to send the unit for repair, contact CHAUVET® Technical Support.**

## Returns Procedure

The user must send the merchandise prepaid, in the original box, and with its original packing and accessories. CHAUVET® will not issue call tags.

Call CHAUVET® and request a Return Merchandise Authorization (RMA) number before shipping the product. Be prepared to provide the model number, serial number, and a brief description of the cause for the return.

The user must clearly label the package with a Return Merchandise Authorization (RMA) number. CHAUVET® will refuse any product returned without an RMA number.



**DO NOT write the RMA number directly on the box. Instead, write it on a properly affixed label.**

Once you have received the RMA number please include the following information on a piece of paper inside the box:

- Your name
- Your address
- Your phone number
- The RMA number
- A brief description of the problem

Be sure to pack the product properly. Any shipping damage resulting from inadequate packaging will be the customer's responsibility. As a suggestion, proper FedEx packing or double boxing is the method Chauvet® recommends.



**CHAUVET® reserves the right to use its own discretion to repair or replace returned product(s).**

## Contact Us

### World Headquarters

CHAUVET®

#### General Information

Address: 5200 NW 108th Avenue  
Sunrise, FL 33351  
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Toll free: (800) 762-1084

#### Technical Support

Voice: (954) 577-4455 (Press 4)  
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#### World Wide Web

[www.chauvetpro.com](http://www.chauvetpro.com)

### United Kingdom & Ireland

CHAUVET® Europe Ltd.

#### General Information

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#### Technical Support

Email: uktech@chauvetlighting.com

#### World Wide Web

[www.chauvetlighting.co.uk](http://www.chauvetlighting.co.uk)

## Technical Specifications

| Dimensions and Weight | Length          | Width            | Height           | Weight           |
|-----------------------|-----------------|------------------|------------------|------------------|
|                       | 7.5 in (191 mm) | 11.7 in (304 mm) | 14.7 in (374 mm) | 14.5lbs (6.58kg) |

**Note:** Dimensions in inches rounded to the nearest decimal digit.

| Electrical | Power Supply Type    | Range               | Voltage Selection |
|------------|----------------------|---------------------|-------------------|
|            | Switching (internal) | 100~240 V, 50/60 Hz | Auto-ranging      |

| Parameter      | 120 V, 60 Hz | 230 V, 50 Hz |
|----------------|--------------|--------------|
| Consumption    | 133W (1.2A)  | 130W (0.6A)  |
| Inrush current | N/A          | N/A          |

| Power I/O  | Input  | Output |
|------------|--------|--------|
| Connectors | IEC    | N/A    |
| Cord plug  | Edison | N/A    |

| Light Source | Type | Power | Current | Lifespan     |
|--------------|------|-------|---------|--------------|
|              | LED  | 3 W   | 862mA   | 50,000 hours |

| Color | Quantity |
|-------|----------|
| Red   | 13       |
| Green | 12       |
| Blue  | 12       |

| Photo Optic | Parameter         | Standard Optics |
|-------------|-------------------|-----------------|
|             | Illuminance @ 5 m | 7,860 lx        |
|             | Beam angle        | 6°              |
|             | Field angle       | 6.5°            |

| Motion | Pan    | Tilt   |
|--------|--------|--------|
|        | 0~540° | 0~270° |

| Thermal | Max. External Temperature | Cooling System |
|---------|---------------------------|----------------|
|         | 104° F (40° C)            | Forced (fans)  |

| DMX | I/O Connectors | Connector Type | Channel Range |
|-----|----------------|----------------|---------------|
|     | 3-pin XLR      | Sockets        | 9,12          |

| Ordering | Product Name   | Item Code | Item Number |
|----------|----------------|-----------|-------------|
|          | Q-Wash 260-LED | 01010343  | QWASH260LED |



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